



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

JOB NO. 13-15148

SURFACE ELEV. DATE 2-05-14

LOG OF SOIL
BORING NO. 111

PROJECT Environmental Site Assessment
Approximate 85-Acre Parcel
LOCATION Dhu Varren Road and Pontiac Trail

Ann Arbor, Washtenaw County, Michigan

Sample & Type	Depth	Legend	SOIL DESCRIPTION	Penetration Blows for 6"	Moisture %	Natural Wt. P.C.F.	Dry Den Wt. P.C.F.	PID Readings. (PPM)	RKI (% LEL)
	1		0'2" Frozen dark brown sandy TOPSOIL, fill						ND
	2		Frozen to moist brown SAND & GRAVEL, fill						
	3		2'8" Moist brown fine SAND with traces of sand and pebbles, fill						ND
	4		3'10" Moist brown gravelly SAND, fill						ND
	5		5'5"						0
	6								ND
	7								ND
	8								ND
	9								
	10								ND 0
	11								
	12								ND
	13								
	14								ND
	15								0
	16		15'3"						ND
	17								ND
	18								ND
	19								
	20		Moist brown fine to medium SAND with some gravel, possible fill						ND 0
	21								
	22								ND
	23								
	24		23'7" Moist brown fine SAND with traces of silt and gravel						ND
	25								0

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	24 FT.	6 INS.
G.W. ENCOUNTERED AT	FT.	INS.
G.W. AFTER COMPLETION	FT.	INS.
G.W. AFTER	HRS.	FT.
G.W. VOLUMES	heavy	INS.



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JOB NO. 13-15148

SURFACE ELEV. 13-15148 DATE 1-31-14

LOG OF SOIL BORING NO. 111 (continued)
PROJECT Environmental Site Assessment
LOCATION Approximate 85-Acre Parcel
Dhu Varren Road and Pontiac Trail
Ann Arbor, Washtenaw County, Michigan

Sample & Type	Depth	Legend	SOIL DESCRIPTION	Penetration Blows for 6"	Moisture %	Natural Wt P.C.F.	Dry Den Wt P.C.F.	PID Readings (PPM)	RKI (% LEL)
	26	26'5"	Moist brown fine SAND with traces of silt and gravel						
	27							ND	
	28		Wet brown fine SAND with traces of silt and gravel					ND	0
	29							ND	
	30							ND	
	31	29'10"							0
	32		Wet gray fine SAND with trace of gravel						
	33								
	34								
	35								
	36	35'0"							
	37								
	38								
	39								
	40								
	41		Soil spoils were screened with a MiniRAE 2000 photoionization detector (PID). Results were reported in parts per million (PPM).						
	42		Readings from RKI Eagle 4 gas detected presented in % lower explosive limit (LEL).						
	43								
	44		Notes: Installed 2" PVC temporary well set at 28'6" with 1'6" stick up.						
	45								
	46		ND = None Detected						
	47								
	48								
	49								
	50								
TYPE OF SAMPLE		REMARKS:		GROUND WATER OBSERVATIONS					
D.	- DISTURBED			G.W. ENCOUNTERED AT	24	FT.	6	INS.	
U.L.	- UNDIST. LINER			G.W. ENCOUNTERED AT		FT.		INS.	
S.T.	- SHELBY TUBE			G.W. AFTER COMPLETION		FT.		INS.	
S.S.	- SPLIT SPOON			G.W. AFTER	HRS.	FT.		INS.	
R.C.	- ROCK CORE			G.W. VOLUMES	heavy				
()	- PENETROMETER	Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30°: Count Made at 6" Intervals							