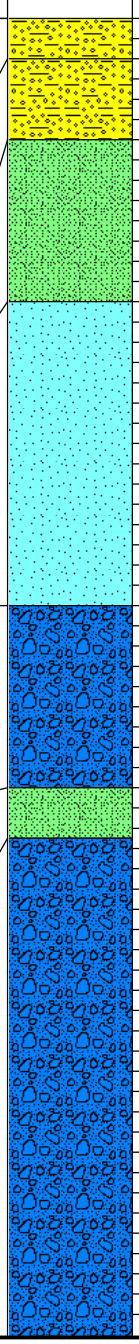
ROBERTS ENVIRONMENTAL SERVICES, LLC
2112 Carmen Court
Goshen, Indiana
Ph: (574) 537-0881
www.robertsenvironmental.net

BORING NUMBER: GB-1

Client: Barnes & Thornburg
Project: Ground Water Screening
Location: Cooper Drive Elkhart, In
Project Number: 11-10378-20
Date: 3/28/2011

SAMPLE INFORMATION				SUBSURFACE PROFILE			
Sample I.D.	Time	Recovery (%)	FID/PID (ppm)	Lithologic Description	Symbol	Depth	Well Completion
				Ground Surface		0	
0-2	12:15	80	0.1 / 0.5	**SANDY LOAM** Silt 40% and Fine Sand 60%. Dusky yellowish brown (10YR 2/2). Moist.		2	
2-5	12:16	80	0.2 / 0.2	**FINE/COARSE SAND with SILT** Fine Sand 60%, Coarse Sand 20%, and Silt 20%. Moderate yellowish brown (10YR 5/4) to Moderate brown (5YR 3/4). Moist.		4	
5-7	12:19	90	0.3 / 0.1	**FINE/MEDIUM SAND** Fine Sand 50% and Medium Sand 50%. Trace amount of Silt and Coarse Sand. Wet at 4'.		6	
7-10	12:20	90	1.5 / 0.8	**SAND MIX** Medium Sand 40%, Fine Sand 30%, and Coarse Sand 30%. Trace amount of gravel and wet.		8	
10-12	12:28	60	1.3 / 1.3			10	
12-15	12:29	60	6.5 / 1.4			12	
						14	
15-17	12:37	60	3.8 / 1.2	**COARSE/MEDIUM SAND and GRAVEL** Coarse Sand 40%, Medium Sand 40%, and Gravel 20%. Some Fine Sand. Some large gravel about .5" diameter. Wet and Moderate yellowish brown (10YR 5/4). Change to Pale yellowish brown (10YR 6/2) at 18'.		16	
17-20	12:38	60	1.2 / 1.3			18	
20-22	12:49	50	2.3 / 1.8	**FINE/MEDIUM SAND** Fine Sand 80-90% and Medium Sand 10%. Pale yellowish brown (10YR 6/2) to Light gray. Wet.		20	
22-25	12:50	50	3.7 / 1.0	**COARSE/MEDIUM SAND with GRAVEL.** Coarse Sand 40%, Medium Sand 40%, and Gravel 20%. Some angular gravel. Gray to Pale yellowish brown (10YR 6/2). Gravel 40-50% at 27-31'. A 1.5" layer of silt-clay at 31'.		22	
25-27	13:04	50	1.4 / 0.9			24	
27-30	13:05	50	1.0 / 0.6			26	
30-32	13:18	40	2.4 / 1.3			28	
						30	
						32	



Drilling Method: Geoprobe 6620DT **Logged By:** DDJ

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32-35	13:19	40	1.0 / 0.9			34	
35-37	13:35	50	3.7 / 1.5			36	
37-40	13:36	50	4.6 / 1.0	**SAND MIX** Coarse Sand 40%, Medium Sand 40%, and Fine Sand 20%. Trace amount of gravel. Gray and wet.		38	
40-42	13:53	50	3.9 / 1.6	**COARSE SAND/GRAVEL** Gravel 30-50%. Some large gravel. A 3" layer of Fine/Medium Sand at 48'. Gravel 50% at 51-53'. Grade to 10%-5% by 54'. Pushed rock at 54-55'. Gray.		40	
42-45	13:54	50	3.5 / 0.1			42	
45-47	14:12	50	3.4 / 0.8			44	
47-50	14:13	50	4.0 / 0.4			46	
50-52	14:42	40	2.5 / 0.3			48	
52-55	14:43	40	1.3 / 0.0			50	
55-57	15:17	70	3.4 / 0.3	**SAND MIX** Fine Sand 70%, Medium Sand 20%, and Very Fine Sand 10%. Grade to 80% Fine Sand and 20% Very Fine Sand.		52	
57-60	15:18	70	6.8 / 0.0			54	
						56	
						58	
				End of Boring		60	
						62	
						64	

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