


Monitoring Well Installation	CLIENT: Access Consulting Group	PROJECT NO. - BOREHOLE NO.
Keno City, YT	DRILL: Air Rotary	W23101422-MW-4
	7086914N; 485205E; Zone 8	KC-MW-4
SAMPLE TYPE	<input type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPT	<input type="checkbox"/> A-CASING <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> CORE
BACKFILL TYPE	<input checked="" type="checkbox"/> BENTONITE <input type="checkbox"/> PEA GRAVEL <input type="checkbox"/> SLOUGH	<input type="checkbox"/> GROUT <input type="checkbox"/> DRILL CUTTINGS <input type="checkbox"/> SAND

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
0	SAND and GRAVEL - moderately sorted, subangular to subrounded, dry, grey and brown				0
1					5
2	SAND - fine grained, damp, brown				10
3	SAND and GRAVEL - moderately sorted, fine to coarse grained sand, subangular to subrounded, dry, grey and brown - as above with occasional schist fragments and well rounded gravels				15
4	SAND - trace gravel, uniformly sorted, fine grained sand, dry, brown				20
5	SAND and GRAVEL - moderately sorted, fine to coarse grained sand, subangular to subrounded, dry, grey and brown				25
6					30
7					35
8					40
9	SAND and GRAVEL - poorly sorted, fine grained sand, some coarse grained sand, subangular to subrounded, dry, grey, brown and white				45
10	SAND - fine grained, damp, brown				50
11	SAND - uniformly graded, fine grained, moist to wet, brown/slightly grey				55
12	SAND and GRAVEL - poorly sorted, fine grained sand with some coarse grained sand, subangular to subrounded, dry, grey, brown and white				60
13	SAND and GRAVEL - well sorted, coarse grained sand with some fine grained sand, subangular with occasional subrounded gravels, dry, grey, some white and brown				65
14					70
15	SAND - some gravel, poorly sorted, gravel subrounded, dry, brown				75
16	SAND - uniformly sorted, fine grained, damp, brown				80
17	SAND - uniformly sorted, fine grained, moist to wet, brown/slightly grey				85
18					90
19	SAND and GRAVEL - moderately sorted, fine to coarse grained, subangular to subrounded, dry, grey, some brown				95
20					100


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	REVIEWED BY: SK	COMPLETE: 4/18/2011
	DRAWING NO:	Page 1 of 5

ENVIRONMENTAL W23101422.GPJ EBA.GDT 11/7/5

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Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
20	SAND and GRAVEL - well sorted, coarse grained sand, some fine grained sand, subangular with some subrounded gravels, dry, grey, some white and brown				70
21					75
22					80
23					85
24					90
25					95
26					100
27	- trace schist present				105
28					110
29					115
30	SAND - well sorted, fine and medium grained sand, dry, grey, brown and light brown				120
31	SAND and GRAVEL - well sorted, coarse grained sand, some fine to medium grained sand, fine grained gravel, rounded to subrounded, dry, grey, brown and white				125
32					130
33	- as above with occasional schist fragments and well rounded gravels				135
34	SILT - soft, moist to damp, brown				140
35					145
36	- became dark grey in colour				150
37					155
38					160
39	SILTY GRAVEL - some sand, moderately sorted, generally subrounded, moist to damp, grey, brown and orange				165
40	SAND and GRAVEL - trace silt, well graded, fine to coarse grained sand, fine grained gravel, subrounded, moist, grey, brown and orange				170
			- water in returns after casing and rods added - not significant amount - driller started to inject water as cuttings not returning to surface		
			- no water in cuttings after rods and casing added		


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	DRAWING NO:	Page 2 of 5

ENVIRONMENTAL W23101422.GPJ EBA.GDT 11/7/5

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Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
40	- becoming drier, less silt				
41	SAND and GRAVEL - well graded, fine to coarse grained sand, fine grained gravel, subrounded, dry, grey with some orange and white				135
42	GRAVEL - some sand, moderately to well graded, fine grained gravel, subrounded, dry, grey with trace white				140
43	SAND - well graded, fine to medium grained sand, subrounded, dry, grey, brown, orange and white				145
44	GRAVEL and SAND - moderately graded, fine grained gravel and fine grained sand, subrounded, damp, brown, grey, orange and white				150
45	- dry				155
46					160
47	- boulder/cobble to around 46.5 m				165
48					170
49					175
50					180
51					185
52					190
53					195
54					200
55					205
56					210
57	- boulder/cobble to around 56.7 m				215
58					220
59	SAND - some gravel, well graded, fine to coarse grained sand, fine grained gravel, subangular to subrounded, damp, grey, orange and white				225
60	- saturated				230

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	DRAWING NO:	Page 3 of 5


ENVIRONMENTAL W23101422.GPJ EBA.GDT 11/7/5

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Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
60					200
61					205
62					210
63					215
64					220
65					225
66					230
67					235
68	SAND - well graded, fine to coarse grained, subrounded to rounded, saturated, brown with grey, white and orange				240
69					245
70					250
71					255
72					260
73					265
74					270
75					275
76					280
77					285
78					290
79	- increasing fine sand and silt				295
80			- slow drilling, bit worn?		300

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	DRAWING NO:	Page 4 of 5

ENVIRONMENTAL W23101422.GPJ EBA.GDT 11/7/5

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Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE		NOTES & COMMENTS	Monitoring well	Depth (ft)	
80						265	
81							
82						270	
83	EOH @ 82.3 m (270 ft)						
84	NOTE: bit not drilling, too worn. Bedrock not reached. Hole collapsed to 59.4 m (195 ft) when 4" casing pulled. Redrilled to 67.1 m (220 ft).					275	
85						280	
86							
87						285	
88							
89						290	
90						295	
91						300	
92							
93						305	
94						310	
95							
96						315	
97							
98						320	
99						325	
100						328	
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		DRAWING NO:		Page 5 of 5			

ENVIRONMENTAL W23101422.GPJ EBA.GDT 11/75