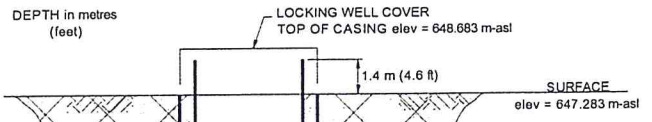
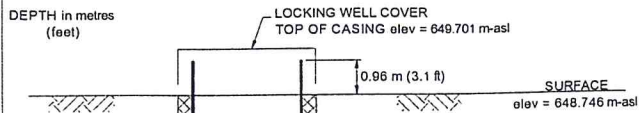


Well 8
E: 498494
N: 6728987

Well 9
E: 498614
N: 6729064

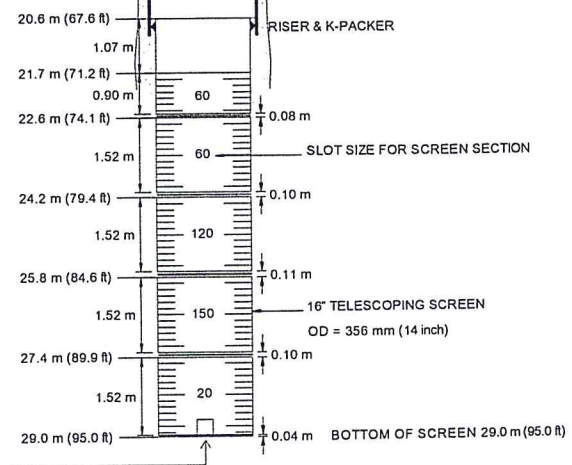
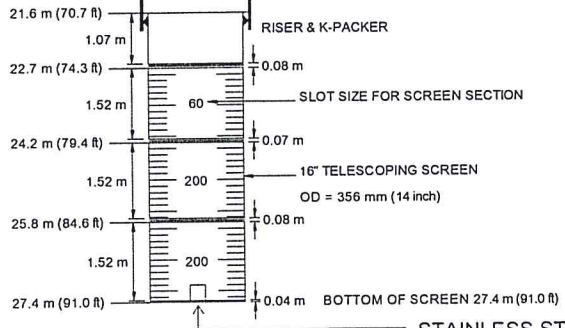


Well 8

Date Drilled: August 30 - September 8, 2008
 Drilling Method: Air Rotary
 Drilling Company: Encore Coring & Drilling Inc.
 Well Owner: City of Whitehorse
 Intended Use: Municipal Water Supply
 Minimum Inside Screen Diameter: 342mm

Well 9

Date Drilled: September 8 - October 6, 2008
 Drilling Method: Air Rotary
 Drilling Company: Encore Coring & Drilling Inc.
 Well Owner: City of Whitehorse
 Intended Use: Municipal Water Supply
 Minimum Inside Screen Diameter: 342mm



ISSUED FOR USE

STAINLESS STEEL BOTTOM PLUG WITH TAPERED THREAD MALE CONNECTOR USED TO SUPPORT THE SCREEN DURING INSTALLATION

NOTES

- 1) Well screen manufactured by Johnson
- 2) See TH1-08 (Well 9) and TH2-08a, TH2-08b (Well 8) in Appendix A for well lithology and grain size analysis depths
- 3) Grain size analysis results included in Appendix B

CLIENT



2008 Groundwater Exploration and Development Program, Whitehorse, Yukon

WELL 8 AND 9 CONSTRUCTION DETAILS

PROJECT NO W23101152.003	DWN LM	CKD KSJ	REV 1
OFFICE EBA-KELOWNA	DATE January 8, 2009		

Figure 4



C:\Kebowma\Drawings\W23101152\W23101152\W23101152.003_FIGS 1-9_R1.dwg [FIGURE 4] February 09, 2009 - 2:29pm lmajelich

Project: 2008 Groundwater Exploration and Development Program, Whitehorse, Yukon		Client: City of Whitehorse		PROJECT NO. - BOREHOLE NO.										
see Figure 2 for borehole location		Contractor: SDS Drilling		W23101152.001 - TH1-08										
		Equipment: Superdrill 150 RDU Sonic Drill		ELEVATION: 645m										
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 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	SAMPLE NUMBER	USCS	GRAPHICAL LEGEND	MOISTURE CONTENT	CLASSIFICATION TESTS			PARTICLE SIZE DISTRIBUTION			POCKET PENETROMETER (kPa)	Elevation (m)
							PLASTIC	M.C.	LIQUID	FINES (%)	SAND (%)	GRAVEL (%)		
0	LOAM			PT			10	20	30	40				645.0
1	SAND, gravelly, some silt													644.0
2														643.0
3	SAND, some silt, trace gravel													642.0
4														641.0
5	SAND, some to trace silt													640.0
6														639.0
7														638.0
8														637.0
9				SW										636.0
10														635.0
11														634.0
12														633.0
13														632.0
14														631.0
15														630.0
16														629.0
17														628.0
18														627.0
19	SILT, sandy SAND, some silt, trace gravel			ML										626.0



EBA Engineering Consultants Ltd.

LOGGED BY: MAL	COMPLETION DEPTH: 32m
REVIEWED BY: KSJ	COMPLETE: 8/12/2008
DRAWING NO: TH1-08	Page 1 of 2

Project: 2008 Groundwater Exploration and Development Program, Whitehorse, Yukon		Client: City of Whitehorse		PROJECT NO. - BOREHOLE NO.										
see Figure 2 for borehole location		Contractor: SDS Drilling		W23101152.001 - TH1-08										
		Equipment: Superdrill 150 RDU Sonic Drill		ELEVATION: 645m										
SAMPLE TYPE		<input type="checkbox"/> DISTURBED	<input type="checkbox"/> NO RECOVERY	<input type="checkbox"/> SPT	<input type="checkbox"/> A-CASING									
BACKFILL TYPE		<input 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	<input type="checkbox"/> SHELBY TUBE	<input type="checkbox"/> CORE									
Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	USCS	GRAPHICAL LEGEND	MOISTURE CONTENT	CLASSIFICATION TESTS			PARTICLE SIZE DISTRIBUTION			POCKET PENETROMETER (kPa)	Elevation (m)
							PLASTIC	M.C.	LIQUID	FINES (%)	SAND (%)	GRAVEL (%)		
19				SW										626.0
20														625.0
21			20.4											624.0
22	SILT, sandy			ML										623.0
23	SAND, some gravel, trace silt		21.9											622.0
24	SAND and GRAVEL, trace silt			SP										621.0
25	SAND, trace gravel, trace silt		23.8											620.0
26	GRAVEL, sandy, trace SILT			GP										619.0
27			26.5											618.0
28	SAND, gravelly, trace SILT		27.0											617.0
29			27.6	SP										616.0
30	TILL			CL										615.0
31	BEDROCK - BASALT			BEDROCK										614.0
32	END OF BOREHOLE AT 32.0 METRES													613.0
33	Elevation is approximate. See Appendix B for grain size results. TH1-08 drilled as a pilot hole for well 9 - see Figure 4 for well 9 construction details.													612.0
34														611.0
35														610.0
36														609.0
37														608.0
38														607.0

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LOGGED BY: MAL	COMPLETION DEPTH: 32m
REVIEWED BY: KSJ	COMPLETE: 8/12/2008
DRAWING NO: TH1-08	Page 2 of 2