

PROJECT: Well No. 10 Drilling & Construction	CLIENT: City of Whitehorse	HOLE NO: Well 10
LOCATION: Selkirk Aquifer UTM N 6,729,185.0 E 498,824.0		PROJECT NO.: 5140576
CONTRACTOR: Midnight Sun Drilling Ltd.	METHOD: Air Rotary	GROUND ELEVATION (m): 656
BACKFILL TYPE	<input checked="" type="checkbox"/> BENTONITE <input type="checkbox"/> GRAVEL <input type="checkbox"/> SLOUGH <input type="checkbox"/> GROUT <input type="checkbox"/> CUTTINGS <input type="checkbox"/> SAND	

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	WELL INSTALLATION	COMMENTS	ELEVATION (m)
-1		TOPSOIL, sandy loam with rootlets. Brown to yellow organic layer.		Well Stickup: 0.8 m Well Casing: 406.4 mm (16") OD Carbon Steel ANSI/AWWA C200, ASTM A139	655
-1		Fine SAND with tr. SILT, orange-brown.			654
-3		Medium SAND with tr. fine GRAVEL.			653
-4		Medium SAND, light brown.			652
-5		Medium SAND, light brown.			651
-6		Medium SAND, light brown.			650
-7		Medium SAND, light brown.			649
-8		Medium SAND, becoming moist.			648
-9		Medium SAND, becoming moist.			647
-10		Medium SAND, becoming moist.			646
-11		Medium SAND, grey, saturated.	645		
-12		Medium SAND, grey, saturated.	644		
-13		Medium SAND, grey, saturated.	643		
-14		Medium SAND, grey, saturated.	642		
-15		Medium SAND, grey, saturated.	641		
-16		Medium SAND, grey, saturated.	640		
-17		Medium SAND, grey, saturated.	639		
-18		Medium SAND, grey, saturated.	638		
-19		Medium SAND, grey, saturated.	637		
-20		Medium SAND, grey, saturated.	636		
-21		Medium SAND, grey, saturated.	635		
-22		Medium SAND, grey, saturated.	634		
-23		Medium SAND, grey, saturated.	633		
-24		Medium SAND, grey, saturated.	632		
-25		Medium SAND, grey, saturated.	631		
-26		Medium SAND, grey, saturated.	630		
-27		Medium SAND, grey, saturated.	629		
-28		Medium SAND with tr. fine GRAVEL, saturated.	628		
-29		Medium SAND with tr. fine GRAVEL, saturated.	627		
-29		Medium sandy GRAVEL with tr. SILT, grey coloured, saturated.	627		
-30		Coarse GRAVEL with sand	626		
-31		Coarse GRAVEL with sand	625		
-32		Medium SAND with tr. SILT, saturated and homogenous.	624		
-33		Medium SAND with tr. SILT, saturated and homogenous.	623		
-34		Medium SAND with tr. SILT, saturated and homogenous.	622		
-35		Medium SAND with tr. SILT, saturated and homogenous.	621		
-36		Medium SAND with tr. SILT, saturated and homogenous.	620		
-37		Medium SAND with tr. SILT, saturated and homogenous.	619		
-38		Medium SAND with tr. SILT, saturated and homogenous.	618		
-39		Medium SAND with tr. SILT, saturated and homogenous.	617		
-40		Medium SAND with tr. SILT, saturated and homogenous.	617		

BOREHOLE AND WELL LOG - GINT-06-11-2014-COWWELL_NO 10 BH LOG - CL-5140576.GPJ - AECOM - BBY - 2011.GDT - 07/11/14



MORRISON HERSHFIELD

LOGGED BY: JK, CL	COMPLETION DEPTH: 62.48 m
REVIEWED BY: JK	COMPLETION DATE: 09/05/14
PROJECT GEOSCIENTIST: JK	Page 1 of 2

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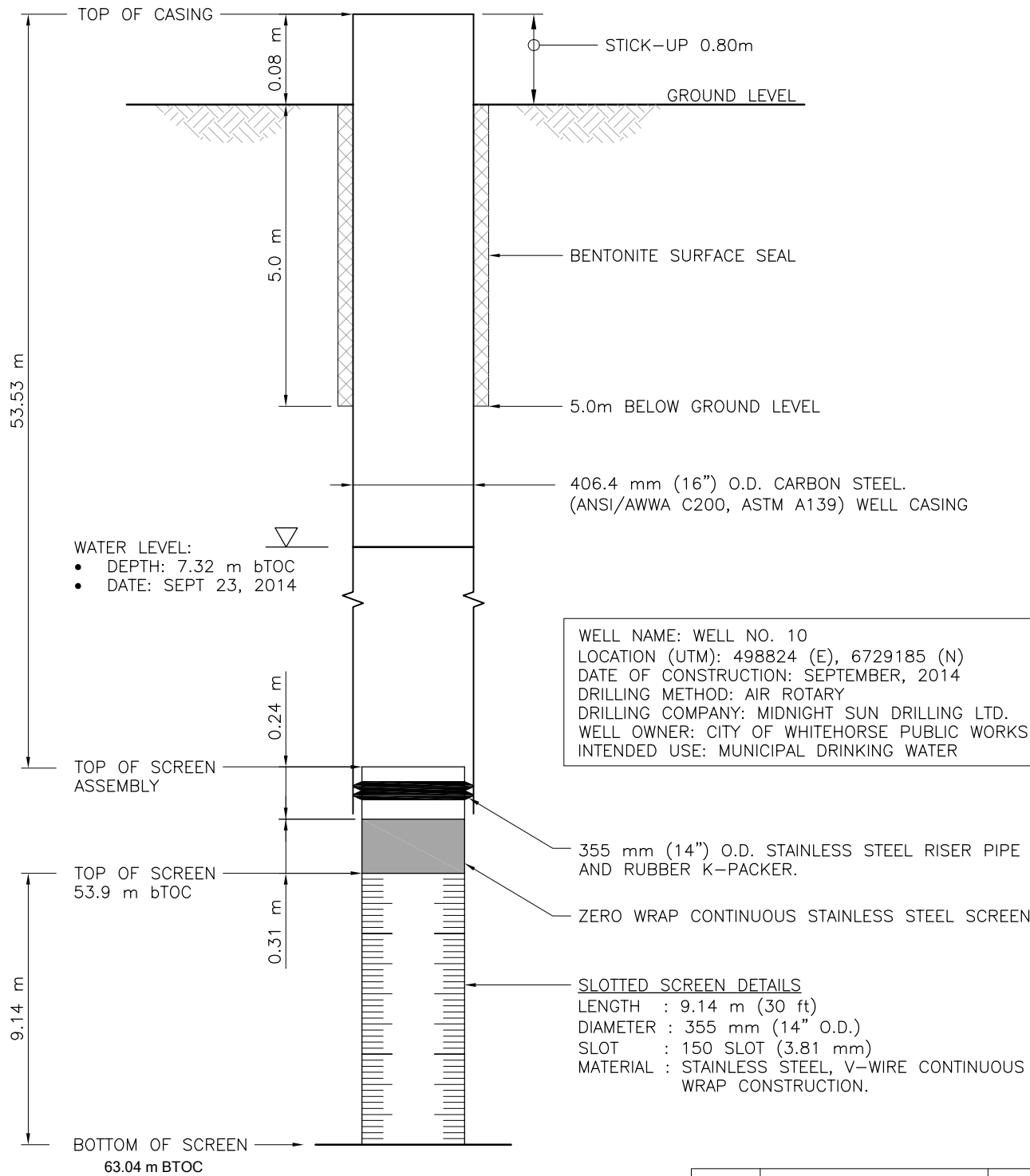
DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	WELL INSTALLATION	COMMENTS	ELEVATION (m)
-41		Coarse GRAVEL, some cobbles and sand present. Grey coloured and saturated.		Well Screen Details: Screen Length: 9.144 m Screen OD: 355 mm (14") Slot: 160-slot (4.064 mm) Material: Stainless Steel, V-Wire continuous wrap construction.	615
-42					614
-43					613
-44					612
-45					611
-46					610
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-56		600			
-57		599			
-58		598			
-59		597			
-60		596			
-61		595			
-62		594			
-63		end of hole			593
-64					592
-65					591
-66					590
-67					589
-68					588
-69					587
-70					586
-71					585
-72					584
-73					583
-74					582
-75					581
-76					580
-77					579
-78					578
-79					577
-80					

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MORRISON HERSHFIELD

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WELL NAME: WELL NO. 10
 LOCATION (UTM): 498824 (E), 6729185 (N)
 DATE OF CONSTRUCTION: SEPTEMBER, 2014
 DRILLING METHOD: AIR ROTARY
 DRILLING COMPANY: MIDNIGHT SUN DRILLING LTD.
 WELL OWNER: CITY OF WHITEHORSE PUBLIC WORKS
 INTENDED USE: MUNICIPAL DRINKING WATER

SLOTTED SCREEN DETAILS
 LENGTH : 9.14 m (30 ft)
 DIAMETER : 355 mm (14" O.D.)
 SLOT : 150 SLOT (3.81 mm)
 MATERIAL : STAINLESS STEEL, V-WIRE CONTINUOUS WRAP CONSTRUCTION.

A	FINAL	14-11-27
ISSUE	DESCRIPTION	DATE

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Notes:
 ID - INNER DIAMETER
 BTOC - BELOW TOP OF CASING
 OD - OUTER DIAMETER

Design: —
 Drawn: —
 Reviewed: —
 Scale: NTS
 Date: 27-11-14

Client:

CITY OF WHITEHORSE
WELL No. 10
WELL CONSTRUCTION RECORD DRAWING

Project No.: 5140576.00 Drawing No.: 1

Suite 202, 208 Main Street,
 Whitehorse, Yukon Y1A 2A9
 www.morrisonhershfield.com
 Tel: 867 456 4747 Fax: 867 456 4760