


ENVIRO (VAPOUR/F2/F3) GINT-2016-08-16-MARSH LAKE FIREHALL WELL BH LOG CL-5160766.GPJ AECOM BBY.GDT 16/08/16



Morrison Hershfield Ltd.
301 Hawkins Street, Suite 101
Whitehorse, Yukon Y1A 1X5

LOGGED BY: [REDACTED]

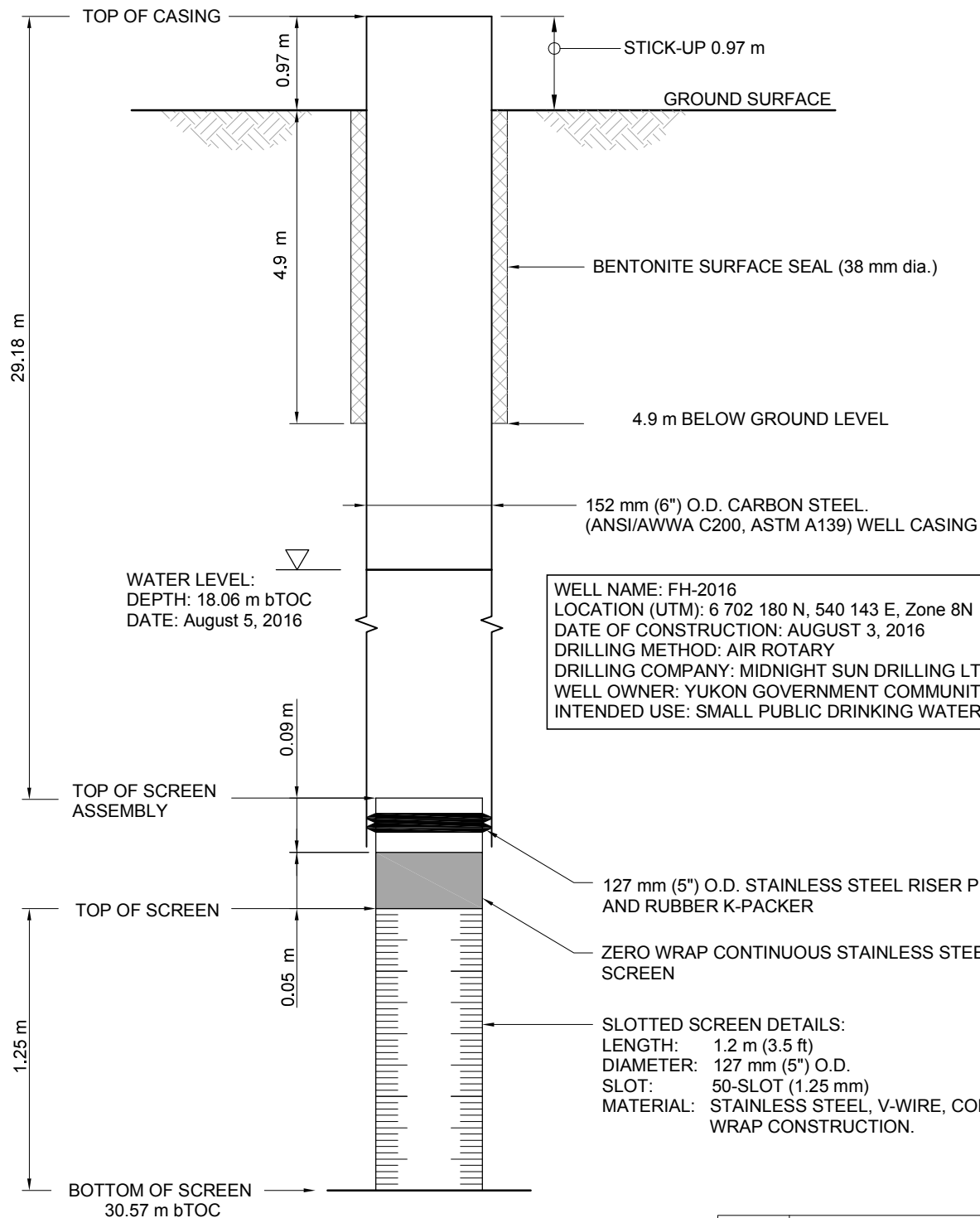
REVIEWED BY: [REDACTED]

PROJECT MANAGER: [REDACTED]

COMPLETION DEPTH: 98

COMPLETION DATE: 03/08/16

Page 1 of 1



WELL NAME: FH-2016
LOCATION (UTM): 6 702 180 N, 540 143 E, Zone 8N
DATE OF CONSTRUCTION: AUGUST 3, 2016
DRILLING METHOD: AIR ROTARY
DRILLING COMPANY: MIDNIGHT SUN DRILLING LTD.
WELL OWNER: YUKON GOVERNMENT COMMUNITY SERVICES
INTENDED USE: SMALL PUBLIC DRINKING WATER

A	DRAFT	2016-09-07
ISSUE	DESCRIPTION	DATE

Notes:

ID - Inner Diameter
OD - Outer Diameter
bTOC - below Top of Casing

Client:

Yukon
Government
Community
Services

Marsh Lake Fire Hall Well FH-2016

WELL CONSTRUCTION RECORD DRAWING

Project No.:

Figure No.:

2

Design	Drawn	Reviewed	Scale	Date
--	--	--	NTS	2016-09-07

Morrison Hershfield Limited
101 - 301 Hawkins Street
Whitehorse Yukon Y1A 1X5
P: 867 456 4747 F: 867 456 4760

Surface / Environmental Seal (depth below ground surface, please circle appropriate units)

C8 Seal Material Type:

C9 Diameter of Seal: 2 (cm / in)

C10 Seal Depth from:

C11 Seal Depth to: 0 (m / ft)

C12 Volume Placed:

30 (m³ / ft³)**Gravel Pack** (depth below ground surface, please circle appropriate units)

C13 Gravel Pack:

☒ NO
☐ YES

If yes, indicated depth (m / ft):

from: to: Indicate diameter of material:

(mm / inches)

Material type:

(i.e. silica)

Well Screen Information (depth below ground surface, please circle appropriate units)

C14 Outside

Diameter 5.5 (cm / in)

C15 Screen Material

☒ Stainless Steel
☐ Steel
☐ Plastic
☐ N/A
☐ Other

C16 Screen Type

☒ Continuous Wire Wrap
☐ Louver Screen
☐ Perforated
☐ Slotted
☐ Open Hole

C17 Depth from:

Screen 1. 98 (m / ft)

C18 Depth to:

Screen 2. 94 (m / ft)

Slot Size / Perforation Dia:

Screen 3. 0.05 Thou. / mm / inchesScreen 2. (m / ft)Screen 3. (m / ft)

C19 Screen

Comments: 19 Packets - 6" -
Reg - bail bottom**WELL DEVELOPMENT AND STATUS**

D1 Well Developed by

☐ Surge Block
☒ Water Jetting
☐ Air Jetting / Air Lifting
☐ Bailing
☐ Pumping
☐ Other:

D2 Well Head Completion

☐ Well House
☒ Pitless Adaptor Depth of adaptor: 3 (m / ft)
☐ Well Pit (NOT PERMITTED)
☐ None (well not completed)

D3 Well Head Stick-up

(above ground surface)

3 (m / ft)

(Use negative if below grade)

D4 Static Water Level

(below top of casing)

57 (m / ft)

(Use negative if below grade)

D5 Well Yield Estimate

60 (Lps / gpm)

D7 Well Abandonment Status

Was the well properly decommissioned with bentonite grout? ☐ YES ☐ NO

If YES, Indicate Date:

D8 Method Used to

Estimate Well Yield

☐ Air Lifting
☐ Bailing
☐ Pumping Test
(If test conducted, complete Pumping Test Record)

D6 Final Well Status

☒ Water Supply (in use)
☐ Stand by (Back-up)
☐ Observation☐ Not in use
☐ Deepened
☐ Other: ☐ Abandoned
If well was abandoned, please give reason:☐ Dry
☐ Poor Quality
☐ Insufficient Yield
☐ Artesian conditions

Y Y Y Y M M D D

PUMPING TEST RECORD AND GROUNDWATER QUALITY

(All depths below ground, circle appropriate units)

E1 Pumping Test Information

Pumping Test Start Date:

Y Y Y Y M M D D

Static Water Level (SWL):

 (m / ft)

Pump Intake Set at:

 (m / ft)

Duration of pumping:

 hrs min

Final Water Level (FWL)

at end of Pumping Test:

 (m / ft)

G1 GROUNDWATER QUALITY

Field Data

Date Measurements Taken:

Y Y Y Y M M D D

Electrical Conductivity: uSpH: Temperature: °C

Groundwater Type

☐ Salty
☐ Sulphur / Egg Odour
☐ Organic Taste / Odour
☐ Metallic Taste
☐ Other:

Turbidity/Sand Content

☐ Clear
☐ Slightly turbid/cloudy
☐ Moderately turbid/cloudy
☐ Turbid/cloudy
☐ Trace sand present
☐ No sand present

Well Disinfection

Was the well disinfected upon completion of the pump installation? ☐ YES ☐ NO

Briefly describe method of well disinfection.

F1 Well Water Level Drawdown/Recovery DATA

Drawdown

Recovery

Time (min)	Water Level (m / ft)	Time (min)	Water Level (m / ft)
0 (SWL)		0 (FWL)	
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Bacteria Testing

Was a sample taken? ☐ YES ☐ NO

Date Sample Taken:

Y Y Y Y M M D D

If yes, indicate the name of the laboratory.

Chemical Analysis of Water

Was a sample taken? ☐ YES ☐ NO

Date Sample Taken:

Y Y Y Y M M D D

If yes, indicate the name of the laboratory.

WELL CONTRACTOR

H1 Name of Contractor / Drilling Company:

H2 Name of Driller(s):

H3 Address of Driller:

Y Y Y Y M M D D
Date Submitted to Dept. Of Environment

CONSULTANT (If applicable)

1 Company Name:

2 Company Address:

3 Report Reference:

4 Report Date:

Y Y Y Y M M D D

ADDITIONAL INSTRUCTIONS

Upon completing this form, please mail or fax it to:

Please feel free to contact us at:

Phone: (867) 667-3171, Toll free (in Yukon): (1-800) 661-0408, local 3171)

Fax: (867) 667-3195 E-mail: Water.Resources@gov.yk.ca

Water Resources Section (V-310),
Department of Environment,
Government of Yukon Box 2703,
Whitehorse, Yukon, Canada Y1A 2C6

Personal information contained on this form is collected under the authority of the Access to Information and Protection of Privacy (ATIP) Act, Section 29 (c) and will be used to compile a public database of well and ground water information. For further information contact the Manager of Hydrology, Water Resources at (867) 667-3223, toll free within Yukon 1-800-661-0408 Ext 3223.

I have read the above clause and understand the purpose for collection of personal information.

Signature of Well Owner