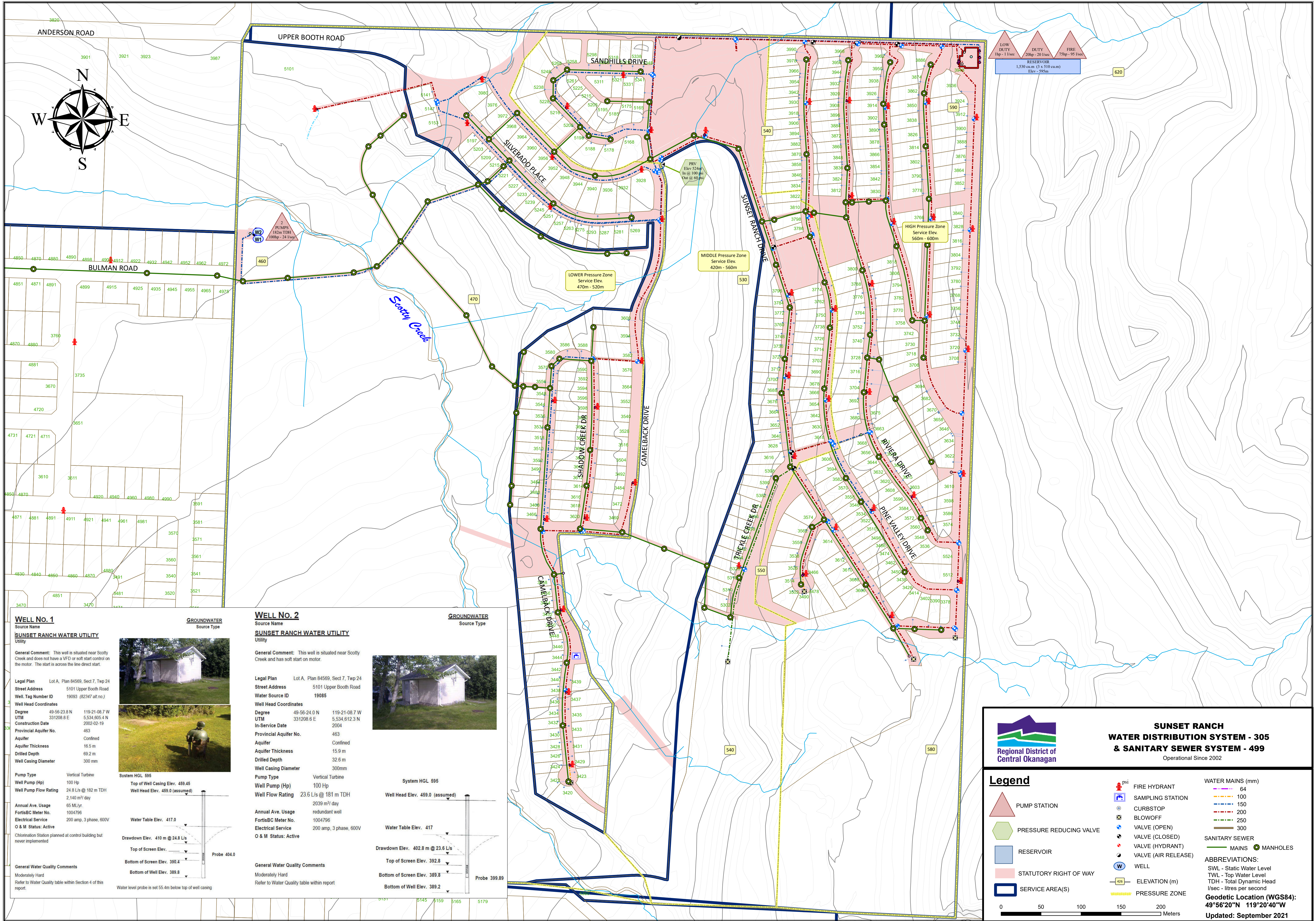




WELL No. 1
Source Name
SUNSET RANCH WATER UTILITY
Utility

General Comment: This well is situated near Scotty Creek and does not have a VFD or soft start control on the motor. The start is across the line direct start.

Legal Plan Lot A, Plan 84569, Sect 7, Twp 24
Street Address 5101 Upper Booth Road
Well Tag Number ID 19083 (82347 alt no.)
Well Head Coordinates
Degree 49-56-23.8 N 119-21-08.7 W
UTM 331208.8 E 5534.805.4 N
Construction Date 2002-02-19
Provincial Aquifer No. 463
Aquifer Confined
Aquifer Thickness 16.5 m
Drilled Depth 69.2 m
Well Casing Diameter 300 mm

Pump Type Vertical Turbine
Well Pump (Hp) 100 Hp
Well Pump Flow Rating 2,140 m³/day
Annual Ave. Usage 65 ML/yr.
FortisBC Meter No. 1004796
Electrical Service 200 amp, 3 phase, 600V
O & M Status: Active
Chlorination Station planned at control building but never implemented

General Water Quality Comments
Moderately Hard
Refer to Water Quality table within Section 4 of this report.

GROUNDWATER
Source Type

System HGL 595
Top of Well Casing Elev. 459.45
Well Head Elev. 459.0 (assumed)
Water Table Elev. 417.0
Drawdown Elev. 410 m @ 24.8 L/s
Top of Screen Elev. 390.4
Bottom of Screen Elev. 389.4
Bottom of Well Elev. 389.8
Probe 404.0
Water level probe is set 55.4m below top of well casing




WELL No. 2
Source Name
SUNSET RANCH WATER UTILITY
Utility

General Comment: This well is situated near Scotty Creek and has soft start on motor.

Legal Plan Lot A, Plan 84569, Sect 7, Twp 24
Street Address 5101 Upper Booth Road
Water Source ID 19085
Well Head Coordinates
Degree 49-56-24.0 N 119-21-08.7 W
UTM 331208.6 E 5534.812.3 N
In-Service Date 2004
Provincial Aquifer No. 463
Aquifer Confined
Aquifer Thickness 15.9 m
Drilled Depth 32.6 m
Well Casing Diameter 300mm

Pump Type Vertical Turbine
Well Pump (Hp) 100 Hp
Well Flow Rating 23.6 L/s @ 181 m TDH
Annual Ave. Usage redundant well
FortisBC Meter No. 1004796
Electrical Service 200 amp, 3 phase, 600V
O & M Status: Active

General Water Quality Comments
Moderately Hard
Refer to Water Quality table within report

GROUNDWATER
Source Type

System HGL 595
Well Head Elev. 459.0 (assumed)
Water Table Elev. 417
Drawdown Elev. 402.8 m @ 23.6 L/s
Top of Screen Elev. 392.8
Bottom of Screen Elev. 389.8
Bottom of Well Elev. 389.2
Probe 399.89



**SUNSET RANCH
WATER DISTRIBUTION SYSTEM - 305
& SANITARY SEWER SYSTEM - 499**
Operational Since 2002

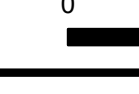
Legend

 PUMP STATION

 PRESSURE REDUCING VALVE

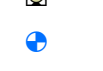
 RESERVOIR

 STATUTORY RIGHT OF WAY

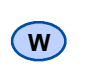
 SERVICE AREA(S)

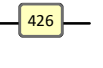
 FIRE HYDRANT

 SAMPLING STATION

 CURBSTOP

 BLOWOFF

 VALVE (OPEN)

 VALVE (CLOSED)

 VALVE (HYDRANT)

 VALVE (AIR RELEASE)

 WELL

 ELEVATION (m)

 PRESSURE ZONE

WATER MAINS (mm)

64
100
150
200
250
300

SANITARY SEWER

MAINS
MANHOLES

ABBREVIATIONS:
SWL - Static Water Level
TWL - Top Water Level
TDH - Total Dynamic Head
L/sec - litres per second

Geodetic Location (WGS84):
49°56'20"N 119°20'40"W
Updated: September 2021

