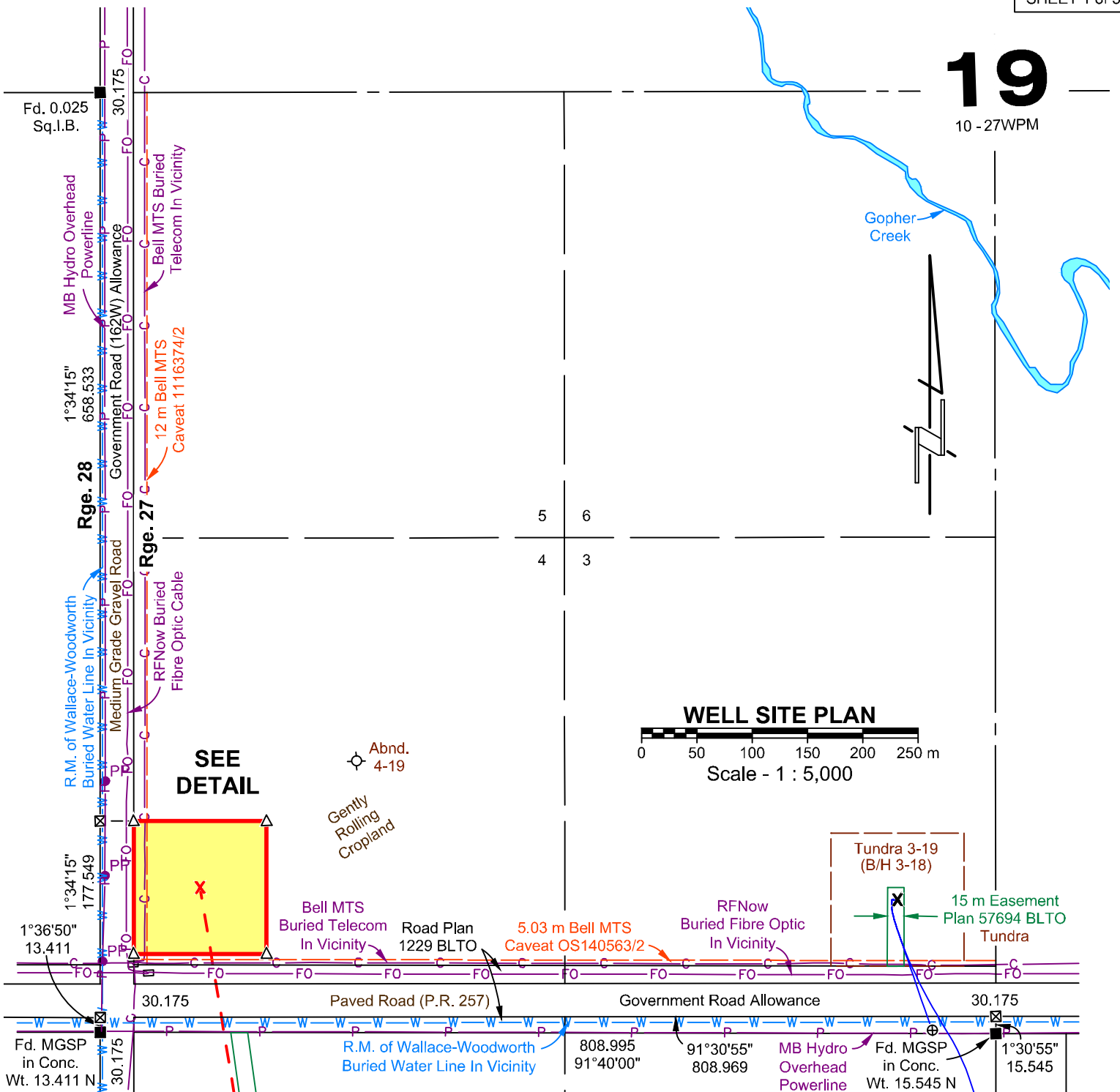


19

10 - 27WPM



Plan Showing Survey of

TUNDRA DALY SINCLAIR HZNTL 4-18-10-27WPM

Well Site

Terminus: 4B-18-10-27WPM

Well Site Surface Location

L.S.4B Sec.19 Twp.10 Rge.27 WPM

R.M. of Wallace-Woodworth, Manitoba

I, Brendan L. Wood, Manitoba Land Surveyor certify that the survey represented by this plan is correct to the best of my knowledge and was completed between the 17th day of September, 2019, and the 27th day of September, 2019.

This is a copy of an original plan, signed and sealed by Brendan L. Wood, Manitoba Land Surveyor, on October 4, 2019. The original plan is held on file in the Virden office of Altus Group Manitoba Land Surveyors Ltd.

This copy has been prepared for distribution via electronic and other means. Should there be a discrepancy between this document and the original document, the signed, sealed original shall govern.

ELEVATION ON GROUND
AT WELL LOCATION = **493.01**

AREAS:
Well Site = HECTARES 1.440 ACRES 3.56

Brendan Wood
Manitoba Land Surveyor

Brent Mackenzie
Witness (Brent Mackenzie)



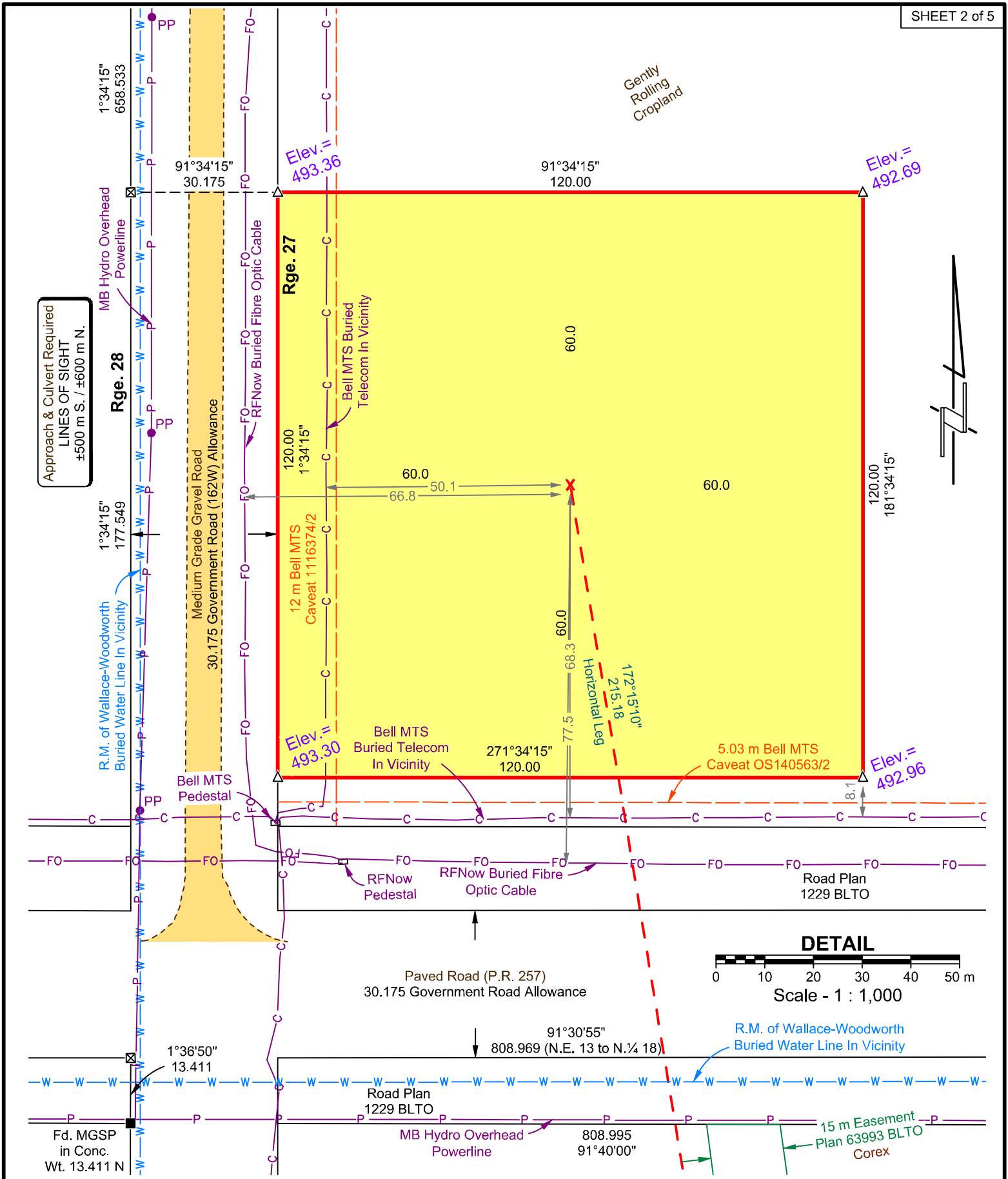
CERTIFICATE OF TITLE:
SW 19-10-27WPM CT No. 2214927/2 (2019/09/16)
Herbert James Whittle

OPERATOR: TUNDRA OIL & GAS LIMITED

0	Issued	Oct. 4, 2019	CM/CL- BM -PS
REV.	REVISION	DATE	INITIALS
0	File: 217379W	Job No.: 217379	
	Client File No.:	AFE No.:	



Altus Group Manitoba
Land Surveyors Ltd.
Toll Free: 1-800-465-6233
www.altusgeomatics.com



LEGEND:

Surface Location - Horizontal / Directional / Slant	-----	X
Portions referred to outlined thus	-----	---
Legal Survey Posts (found / planted)	-----	■
Planted 0.013 Square Iron Bar	-----	▲
Calculated Point	-----	⊠
Surveyed Well Centre	-----	⊙
Producer	-----	●
Junked and Abandoned	-----	⊕
Abandoned Producer	-----	⊖
Abandoned Dry	-----	○

NOTES:

1. UTM and Geographic Co-ordinates are Derived from GNSS
2. Unless indicated otherwise, coordinates and bearings are referred to UTM Zone 14 NAD83 (CSRS) Epoch 1997, and were derived from GNSS observations to the Saskatoon base station of the Canadian Active Control System (965001).
3. Distances are ground and in metres and decimals thereof.
4. Combined Scale Factor used = 0.999818
5. Elevations are in metres, referred to CGVD28 (mean sea level) and were derived from the Saskatoon base station of the Canadian Active Control Network (965001) (Elev. = 600.674).

LICENSING INFORMATION:

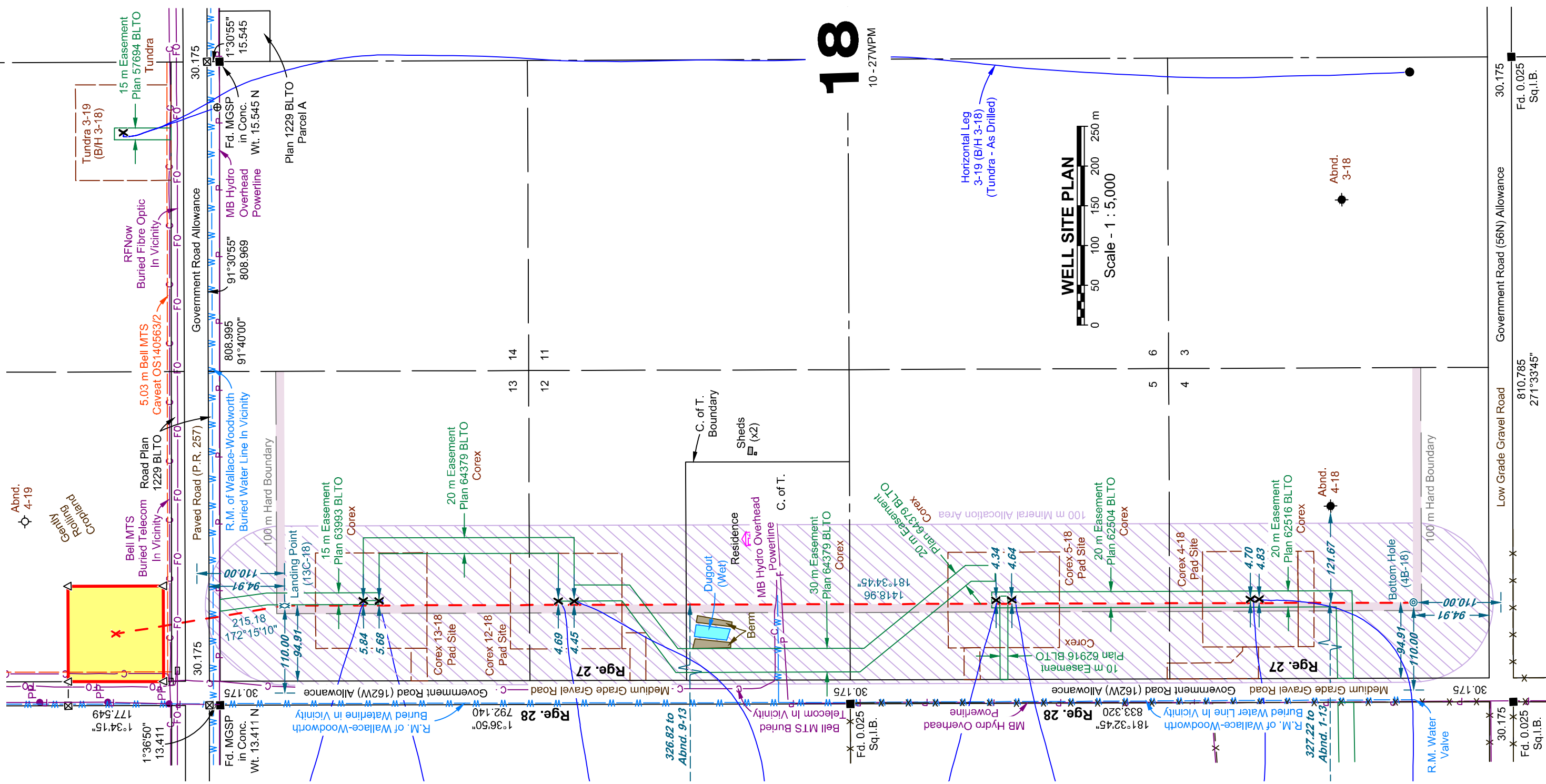
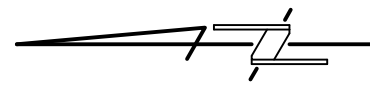
The Proposed Well :	YES	NO
- Is at least 1.5 km from the Corporate Limits of a City, Town or Village	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Is at least 100 m from a Water Covered Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Is at least 75 m from any Surface Improvements (Various)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Is at least 45 m from any Surveyed Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Is at least 75 m from any Aircraft Runway or Taxiway	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Is at least 75 m from any Water Well	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Approximately 13.0 km from the nearest Urban Centre (Virden)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Approximately 0.8 km from the nearest Residence (NW ¼ 18-10-27WPM)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This plan represents the best information available at the time of survey. Altus Group Manitoba and its employees take no responsibility for the location of any underground pipes, conduits, or facilities, whether shown on or omitted from this plan. An additional search for specific buried facilities utilizing all resources must be performed just prior to construction.

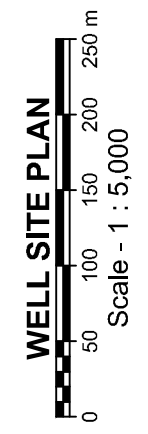
R.M. of Wallace-Woodworth, Bell MTS, Manitoba Hydro, and Manitoba Hydro-Gas Operations **MUST** be contacted for location of any underground facilities that may exist.



REV.	TUNDRA DALY SINCLAIR HZNTL 4-18-10-27WPM	
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	Client File No.:	AFE No.:



18
10 - 27WPM

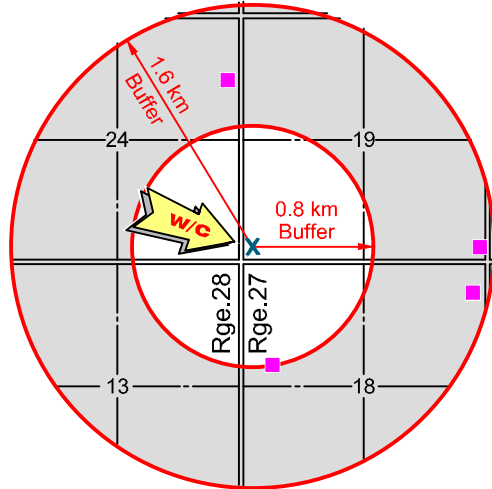


Horizontal Leg
3-19 (B/H 3-18)
(Tundra - As Drilled)

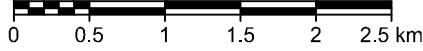
Abnd.
3-18



TUNDRA OIL & GAS LIMITED



SURFACE DEVELOPMENT



Scale - 1 : 50,000

NOTE:

Residences are shown thus:-----■

COORDINATE TABLE

	LOCAL		SEC.	NAD 83		NAD 27	
	N/S	E/W		U. T. M.	GEO.	U. T. M.	GEO.
SURFACE (4B-19)	87.29 N of S	60.00 E of W	19	5523410.810 N 345858.951 E	49°50'35.813" 101°08'38.097"	5523190.949 N 345887.447 E	49°50'35.813" 101°08'36.418"
LANDING POINT (13C-18)	94.91 S of N	94.91 E of W	18	5523197.631 N 345887.952 E	49°50'28.942" 101°08'36.341"	5522977.772 N 345916.447 E	49°50'28.942" 101°08'34.662"
BOTTOM HOLE (4B-18)	94.91 N of S	94.91 E of W	18	5521779.469 N 345848.849 E	49°49'43.019" 101°08'36.268"	5521559.618 N 345877.343 E	49°49'43.019" 101°08'34.590"

CARTESIAN CO-ORDINATE TABLE

	NAD 83		True North		
	N/S	E/W	N/S	E/W	
LANDING POINT	213.22 South	29.01 East	212.30 South	35.09 East	of surface Location
BOTTOM HOLE	1631.64 South	10.10 West	1631.26 South	36.57 East	of surface Location
13-18 (B/H 13-13)	312.34 South	32.11 East	311.29 South	41.03 East	of surface Location
13-18 (B/H A13-13)	332.12 South	31.41 East	331.08 South	40.90 East	of surface Location
12-18 (B/H A12-13)	557.25 South	24.21 East	556.33 South	40.14 East	of surface Location
12-18 (B/H 11-13)	577.09 South	23.42 East	576.18 South	39.92 East	of surface Location
Abnd. 9-13 Vert.	713.32 South	311.73 West	721.95 South	291.20 West	of surface Location
5-18 (B/H 6-13)	1107.14 South	8.70 East	1106.43 South	40.36 East	of surface Location
5-18 (B/H 7-13)	1126.97 South	8.46 East	1126.26 South	40.68 East	of surface Location
4-18 (B/H 4-13)	1426.88 South	0.25 East	1426.29 South	41.05 East	of surface Location
4-18 (B/H A4-13)	1437.83 South	0.07 East	1437.24 South	41.20 East	of surface Location
Abnd. 1-13 Vert.	1517.54 South	334.31 West	1526.48 South	290.77 West	of surface Location
Abnd. 4-18 Vert.	1531.09 South	114.39 East	1527.19 South	158.13 East	of surface Location

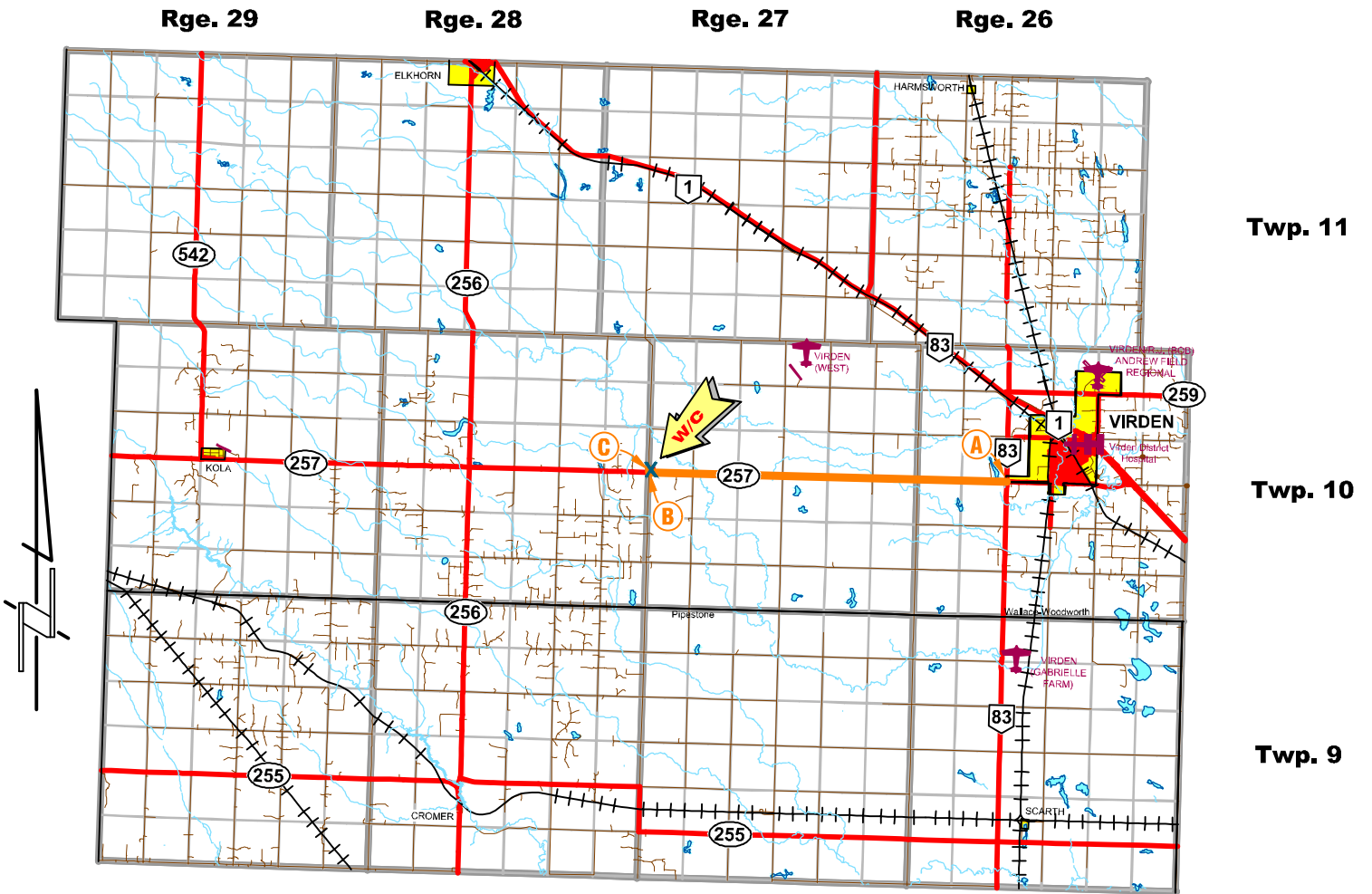
- NAD 83 distances shown are cartesian referenced to UTM GRID, NAD 83, ZONE 14

- True North distances shown are cartesian referenced to True North (Grid Convergence = -1.6389°)

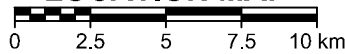
REV.	TUNDRA DALY SINCLAIR HZNTL 4-18-10-27WPM	
	File: 217379W	Job No.: 217379
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LOCATION MAP



Scale - 1 : 250,000

ACCESS TABLE			
ITEM	ROAD	ROAD TYPE	LENGTH
A - B	P.R. 257	Paved Road	±13.0 km
B - C	Road (162W) Allowance	Medium Grade Gravel Road	±0.1 km
		Total	±13.1 km

REV.	TUNDRA DALY SINCLAIR HZNTL 4-18-10-27WPM	
0	File: 217379W	Job No.: 217379
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