



**NOTICE OF PROPOSED
COMMUNICATIONS TOWER**

June 21, 2021

Town of New-Wes-Valley
PO Box 64
202 Main Street
Badgers Quay, NL
A0G 1B0
Att: Pamela Preston, CAO

Public Notification

- 1. Industry, Services & Economic Development Canada**
- 2. Town of New-Wes-Valley**
- 3. Landowners within 3 times the height of the proposed tower**

Telecommunications Installation for High Speed Wireless Internet

1. Xplornet Communications Inc., is writing to inform you that a telecommunications installation with associated equipment is being proposed at Route 330, New-Wes-Valley, NL.
Xplornet Communications Inc., has considered collocation on other tower(s) near New Wes Valley but no other towers exist in a 500m radius from the proposed location that were deemed suitable for our installation. The finished installation will consist of a 45m self supporting tower. The proposed tower has not been specifically engineered to accommodate other radio communication user's antennas. Xplornet Communications Inc., will however, entertain collocation requests from other radio communications companies.
2. Geographical Location
Tower Build Address: Route 330, New-Wes-Valley, NL
Generally located at:
Lat: 49206637 N
Long: -53.544048 W
3. **Health Canada's Safety Code 6:** Xplornet Communications Inc., attests that the radio installation described in this notification package will be installed and operated on an ongoing basis so as to comply with Health Canada's Safety Code 6, as may be amended from time to time, for the protection of the general public including any combined effects of nearby installations within the local radio environment. For further details please visit: http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct-eng.php
4. The proposed communications tower is to be located on private / municipal property, Xplornet Communications Inc., wishes to advise that precautions will be taken to prevent unauthorized climbing of the structure, e.g. by children. Xplornet Communications Inc., will be installing anti-climb shields on this tower or a chain link fence around to tower to meet local / municipal by-laws.
5. Xplornet Communications Inc., attests that the radio antenna system described in this notification package will comply with the *Canadian Environmental Assessment Act* as this facility is exempt from assessment.

PO Box 9060
300 Lockart Mill Road
Woodstock NB E7M 5C3
Canada

6. Antenna System and Tower Description

- a. The antenna system will consist of a concrete foundation design and 45m self support steel tower. Xplornet Communications Inc., will install a qty of LTE & 5G panel antennas. This installation will be connected to the Xplornet Communications Inc., network with a licensed microwave with a parabolic antenna and/or fiber optic communications cable.
 - b. The tower will be a 147.64 foot/ 45m self supporting tower.
7. Xplornet Communications Inc., attests that the radio antenna system described in this notification package will comply with Transport Canada and NAV Canada aeronautical safety requirements. Xplornet Communications Inc., will make all necessary applications to Transport Canada and NAV Canada. It should be noted that painting and lighting is as prescribed by Transport Canada based on their review of the site location not Xplornet Communications Inc. It has been our experience that painting may not be required however it should be noted it is absolutely up to the sole discretion of Transport Canada who will take into consideration flight paths.
8. Xplornet Communications Inc., attest that this installation respects good engineering practices including structural adequacy. Towers and foundations are designed, approved and stamped by a structural engineer licensed in the province of Newfoundland & Labrador and follow the National Building Code of Canada. For further information please visit: <http://www.nationalcodes.ca/eng/nbc/index.shtml>
9. Xplornet Communications Inc., has determined that the municipality of New Wes Valley "Consultation Process" for Wireless Telecommunication Facilities falls under the Industry Canada Guidelines. As such we are following this Industry Canada's consultation process for Antenna System siting.
10. The reason for our notification is that the Federal Government – Industry Canada requires that tower proponents consult with and send a public notification to local land use authorities i.e.) municipal governments and landowners within 3 times the height of the tower. If further information is required, please consult with the Industry Canada's Client Procedure Circular CPC-2-0-03 Issue 5. More information is found at <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08777.html> .

11. The local offices are:

Industry, Services & Economic Development Canada
John Cabot Building
10 Barters Hill, 10th Floor
St. John's, NL A1C 6M1
Email: ic.spectrumnl-d-spectredtl.ic@canada.ca

Town of New Wes Valley
PO Box 64
202 Main Street
Badgers Quay, NL
A0G 1B0
Email: info@townofnewwesvalley.ca

If you have any questions, please send them in written format within **30 days (July 23, 2021)** from receipt of this notification by email or fax to the attention of:

VRE Department
Xplornet Communications Inc.,
300 Lockhart Mill Rd.,
Woodstock, NB, E7M 5C3
Fax: 1-506-324-6676 or
email VRE@corp.xplornet.com

OR

Real Wave Inc
50 Hamlyn Road Plaza, Suite 428
St. John's, NL A1E5X7
Email: sean@goingmobilewireless.ca

We will acknowledge the receipt of your questions within **14 days**, and then respond to your questions in written format within **60 days**. Thereafter you have an additional **21 days** to respond. A further response will be issued or Industry Canada will be engaged.

* Comments received shall form part of Innovation, Science and Economic Development Canada Public Consultation Process under the Spectrum Management and Telecommunications Client Procedures Circular cpc-2-0-03-i5 Effective July 15.2014, and will be made public as part of a report issued to the Municipality and Industry Canada *

Note: Industry Canada retains exclusive jurisdiction. Therefore, no permit, site plan approval or zoning for the proposed tower is required.

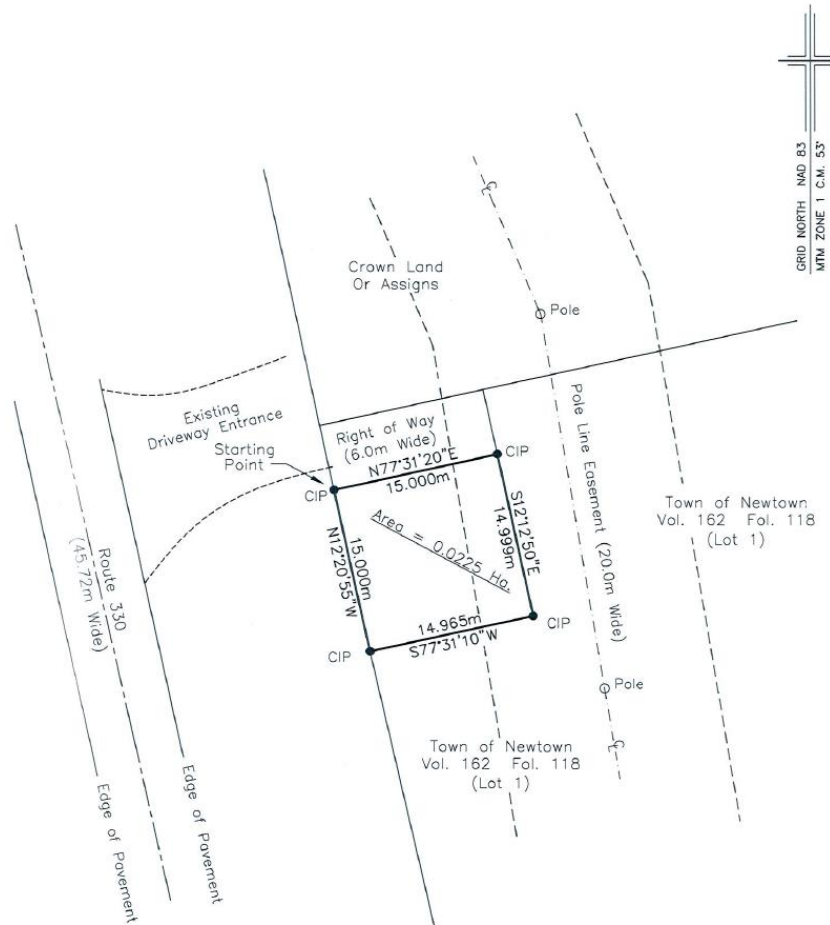
The following points are to clarify the details of the tower proposal.

Currently, to our knowledge, the proposed area is underserved with high speed wireless internet coverage in the region.

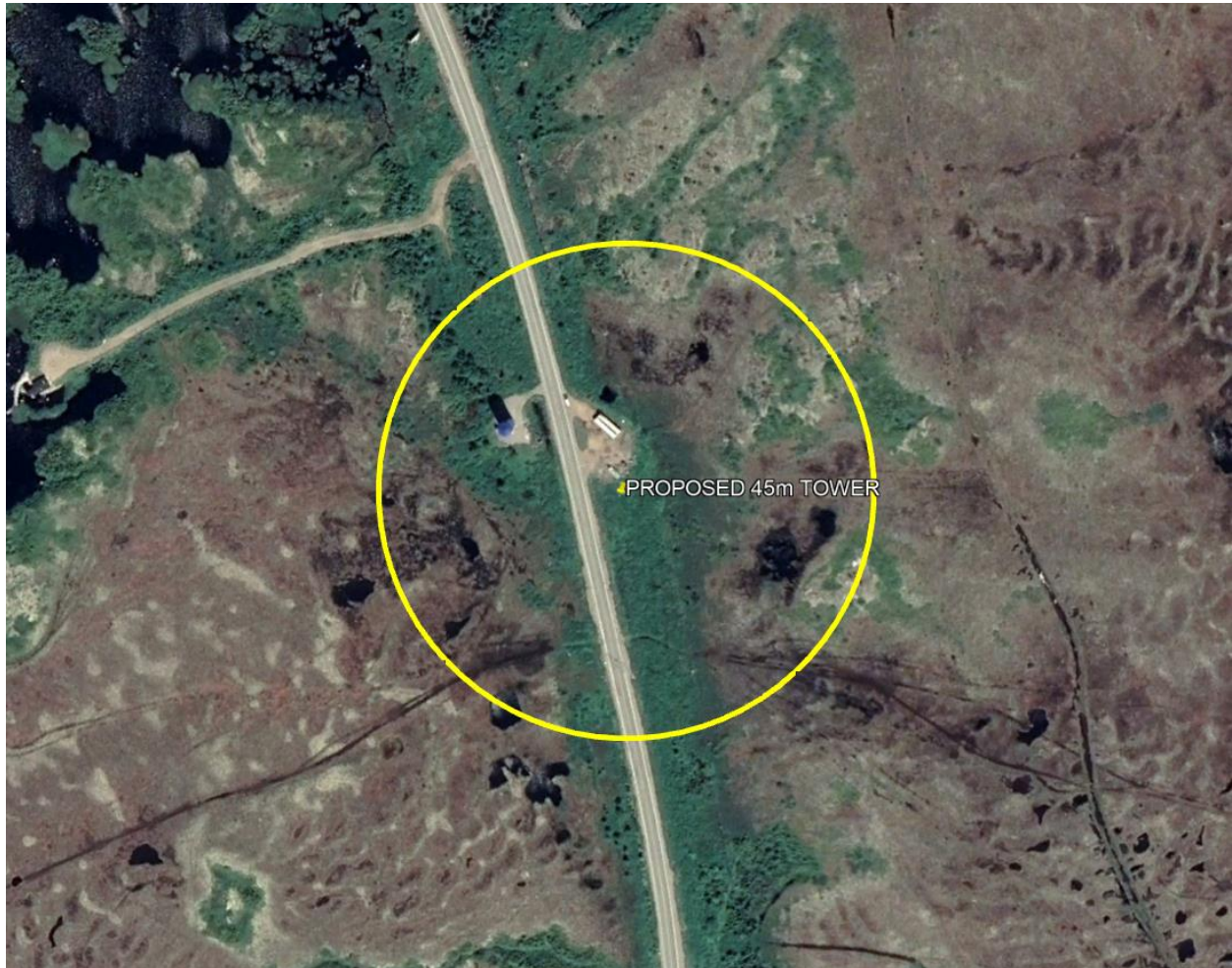
Proposed coverage will cover approximately 8km to 12km area from the tower.

The attached site plan shows the location of the tower in relation to the area..

Proposed Site Location Plan (not to scale)



The attached site plan shows the radius of 3x the proposed 45m tower height or 135m.

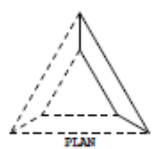
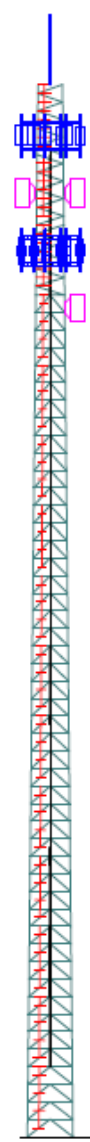


Proposed Tower Design 45m tower

DrawTower (d Gagnat Inc. 2012 Phone: (416) 735-7443

Leg	35W	SR 8mm Φ	SR 70mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ	SR 51mm Φ
Diagonal	30W	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ	SR 23mm Φ
Horizontal	30W	SR 35mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ	SR 32mm Φ
Face Width	1.95m												
Face Height / Panels	48 @ 0.9m												

45.7m
39.6m
36.6m
33.5m
30.5m
27.4m
24.4m
18.0m
15.0m
9.0m
3.0m
0.0m



NOTES:
 1. Same tower as 30-08521
 2. TX lines stacked up tower faces
 3. Maximum deflection at MW < 1.05 degree
 Serviceability factor= 1.0
 1/10 Wind loading=474P

ANTENNA LIST

NO	ELEV	ANTENNA	TX-LINE
1	43.5m	(3)Alz3228 (1)	(3)DC+(6)PO
2	43.5m	(3)Alz6449 (F)	(3)DC+(6)PO
3	41.0m	(2)VHLFX4-15 (F)	(4)DC+(4)PO
4	38.5m	(3)PS0093+(3)Radio44 15+(3)Radio4426 (F)	(6)DC+(6)PO
5	38.5m	(3)PS0186+(3)Radio47 8 (F)	(3)DC+(3)PO
6	36.0m	(1)VHLFX4-15 (F)	(2)DC+(2)PO

MATERIAL LIST

NO	TYPE
A	SR 83mm Φ
B	SR 32mm Φ
C	SR 38mm Φ
D	SR 29mm Φ

TOTAL FOUNDATION LOADS	INDIVIDUAL FOOTING LOADS
H=89.55 kN	H=48.45 kN
V=279.18 kN	V=1436.89 kN
M=2455.37 kN-m	U=-1390.58 kN
T=21.03 kN-m	

 WestTower Communications Ltd. 60 South Field Dr., Elmira, Ontario N3B 2Z6 Phone: (519) 669-4144	Fax: (519) 669-1980	
Client: Xplornet	Job No: Q602100536	Date: 17 feb 2021
Location: Various Sites, NB	Total Height: 47.24m	Tower Height: 45.72m
Standard: CSA 837-18	Design Wind & Ice: Wind=500/474Pa, Ice=30mm	

Typical 45m Tower Site



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Canada