



**Subject:** Information Package  
Proposed 60m Self Support Telecommunications Tower

**Address:** 5645 Lakeshore Rd, Port Hope ON

**Coordinates:** Latitude: N 43°56' 29.6", Longitude: W 78°19' 30.83"

**Bell Site Reference:** X6406 – Port Hope

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## 1. Proposed Location

Bell Mobility Inc. (“Bell”) is proposing to locate a new self-support telecommunications tower at the above referenced location, on land owned by a private property owner. The proposed tower is being proposed to bring high-speed wireless mobile network coverage and capacity. The site is located on lands designated as “Agricultural” in the Municipality of Port Hope’s Official Plan and “Major Recreational” in the Municipality of Port Hope’s Zoning By-Law (please note radio installations are federally regulated and not subject to the Planning Act). The site is located south of Lakeshore Road and Baulch Road. Access to the tower will be entirely via a private driveway off of Lakeshore Road.

In selecting the proposed location, a number of other sites were also considered:

- a. **Evaluation of Existing Structures.** As required by Innovation, Science and Economic Development Canada (“ISED”, formerly known as Industry Canada), before a new free standing tower is proposed, a telecommunications carrier must make best efforts to evaluate any existing structures - towers or rooftops - that may be available to support new equipment or to use for co-location. After careful examination, it has been determined there are no viable existing structures in the area that would be suitable for the operations of Bell’s network equipment.
- b. **Alternative Sites Considered.** Other properties were investigated by Bell but were determined not to be appropriate or feasible for hosting new telecommunications equipment for various reasons. These sites were assessed by a detailed analysis conducted by Bell’s Radio Frequency Engineering Department, and subsequently in the field by conducting multiple site visits by the project team personnel. The proposed site location and alternative sites considered are depicted under **Appendix 1: Proposed and Alternative Site Locations.**

The reasons for rejecting the alternate candidate sites are as follows:

**Proposed Site (“CAN1”):** CAN1 is optimal as it is located away from residential areas and while still fulfilling radio-frequency objectives. The landowner was receptive to the proposed tower and space is available for the proposed compound.

**Alternate Site 1 (“CAN2”):** CAN2 was rejected in favour of CAN1 as the property is currently being redeveloped.

**Alternate Site 2 (“CAN3”):** CAN3 is not optimal as the location is in close proximity to residential and there is minimal space available on the parcel for the proposed compound.

**Alternate Site 3 (“CAN4”):** CAN4 is not optimal as the location is in close proximity to residential and there is minimal space available on the parcel for the proposed compound..

**Alternate Site 4 (“CAN5”):** CAN5 is not optimal as the location is in close proximity to residential and there is minimal space available on the parcel for the proposed compound..

## 2. Proposed Design

In order to enhance wireless service, Bell is proposing to install a 60-metre self-support telecommunications tower and radio equipment shelter, located in the northern portion of the property to support a new radiocommunications facility that will service the area.

Bell has completed a survey plan (see **Appendix 2: Survey Plan**) as well as visual simulations of the proposed self-support telecommunications tower (see **Appendix 3: Visual Simulations**). The tower will use a private right-of-way (driveway) for safe vehicular access into the site. The proposed design is subject to change based on final engineered design and final land survey.

Bell has made efforts to minimize the visibility of the tower to the area residents. This location was selected not only because it had the least visual impact compared to all the viable sites and is over 360 metres away from the closest residential dwelling, but also provides the community with the highest network coverage and capacity improvements.

Bell welcomes any comments from the Municipality of Port Hope in regards to the proposed tower location and design.

## 3. Public Consultation Process

The Municipality of Port Hope follows the ISED CPC-2-0-03 — Radiocommunication and Broadcasting Antenna Systems for the consultation process. Although ISED has exclusive jurisdiction in the licensing of radiocommunication sites, such as the proposed tower, ISED also requires proponents to consult with the local land use authority and public.

Since the proposed tower is within 500 metres of other properties (measured from the supporting guyed wires), these property owners will be sent a notification package that includes the proposal and consultation details. A public information meeting will be held and a notice sign will also be installed on the site to provide further information on the consultation process. The consultation period will run for 30 days where members of the public can submit comments and questions

During the consultation period, any questions, comments or concerns will be acknowledged within 14 days and address in writing all reasonable and relevant concerns within 60 days of receipt. Members of the public will have 21 days from the date of the correspondence to reply to the proponent's response

At the conclusion of the consultation process, Bell will prepare and submit a summary of comments received from the community and the replies provided by Bell.

#### 4. Concurrence Requirements

Although Bell is exclusively regulated by the Federal Government, ISED requires Bell to consult with the land use authority as a commenting body in the siting of antenna support structures. As a form of comment, Bell will be seeking support or concurrence from the Municipality in the form of a Resolution, Minutes of a committee meeting or council and/or a letter that addresses the following items:

- The Municipality is satisfied with Bell's consultation process, as outlined in the current telecommunication policy;
- The proposed design and location is acceptable;
- That the Municipality has been consulted and concurs with the tower location.

#### 5. Health and Safety Compliance

The installation and operation of the proposed tower will be in compliance with the following safety standards:

a) **Safety Code 6**

Bell attests that the proposed tower will at all times comply with Health Canada's Safety Code 6 which limits the public's exposure to radiofrequency electromagnetic fields (EMF) and ensures public safety. This code is based on current, accepted scientific data. Additional information on health and safety may be found on-line at:

[http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h\\_sf01702.html](http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf01702.html)

Safety Code 6 takes into account all RF emissions in the area to ensure levels in EMF energy operate within the safety limits. Safety Code 6 exposure limits are not device specific, but the limits do take into account the total exposure from all sources of RF energy.

For more detailed information on Safety Code 6, please see:

<https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh->

**b) Environmental**

There are no environmental restrictions for this proposed site location. Bell will undertake all the necessary environmental assessment(s) to mitigate potential impacts in the siting and construction of the proposed tower.

**c) Engineering Practices**

Bell attests that the proposed tower will be constructed in compliance with all applicable building standards and comply with good engineering practices including structural adequacy.

**d) Transport Canada's Aeronautical Obstruction Marking Requirements**

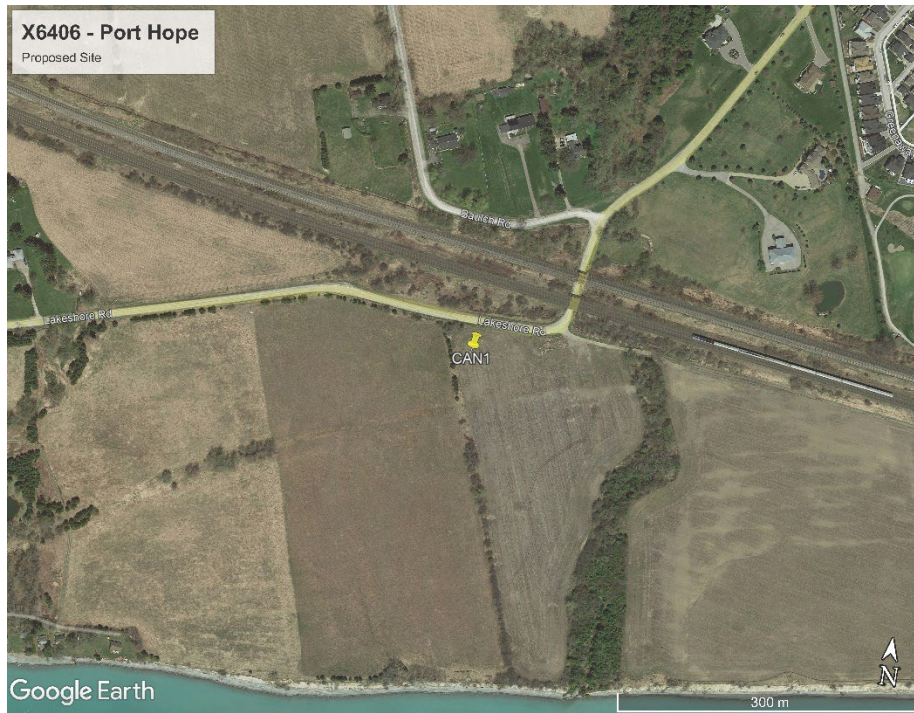
The proposed tower is in compliance with Transport Canada and NAV CANADA aeronautical safety requirements. Bell submitted an application to Transport Canada and NAV CANADA.

## 6. Conclusion

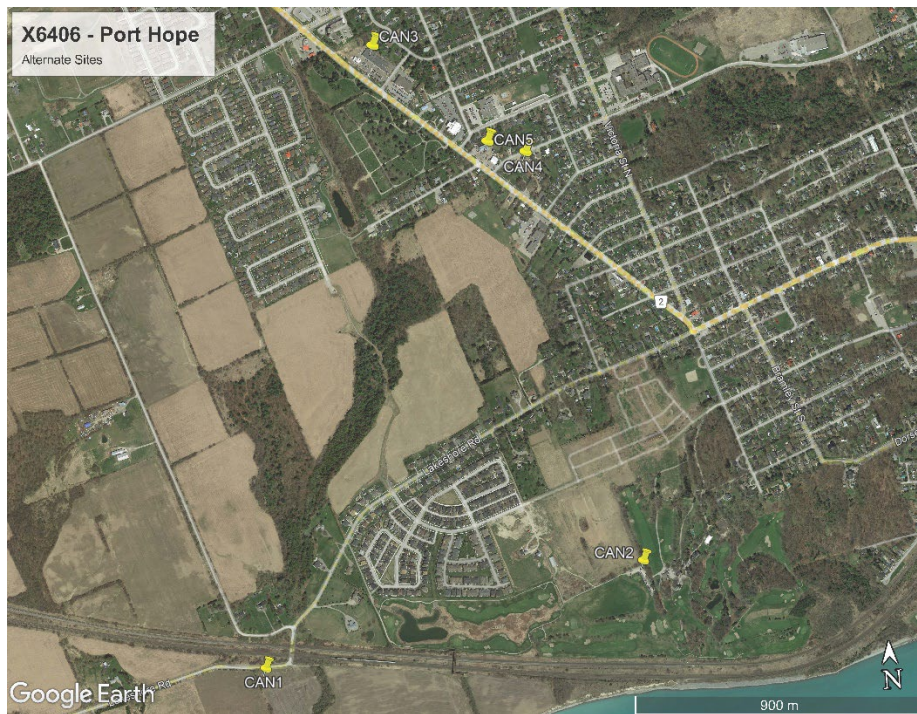
Bell is seeking to improve high speed wireless service to the residential community and businesses by improving **high-speed mobile (LTE) network coverage** in the Port Hope area. To provide service Bell is proposing the construction of a new tower. After investigating the area, reviewing local regulations and considering Bell's technical requirements, Bell finds the proposed infrastructure appropriate as it has taken into consideration the following:

- The proposed tower location will bring much needed mobile wireless network coverage and capacity,;
- The proposed tower is designed to provide high quality service to Bell customers in the Port Hope community and surrounding areas; and
- The proposed tower is located over 360 metres away from the closest residential dwelling;

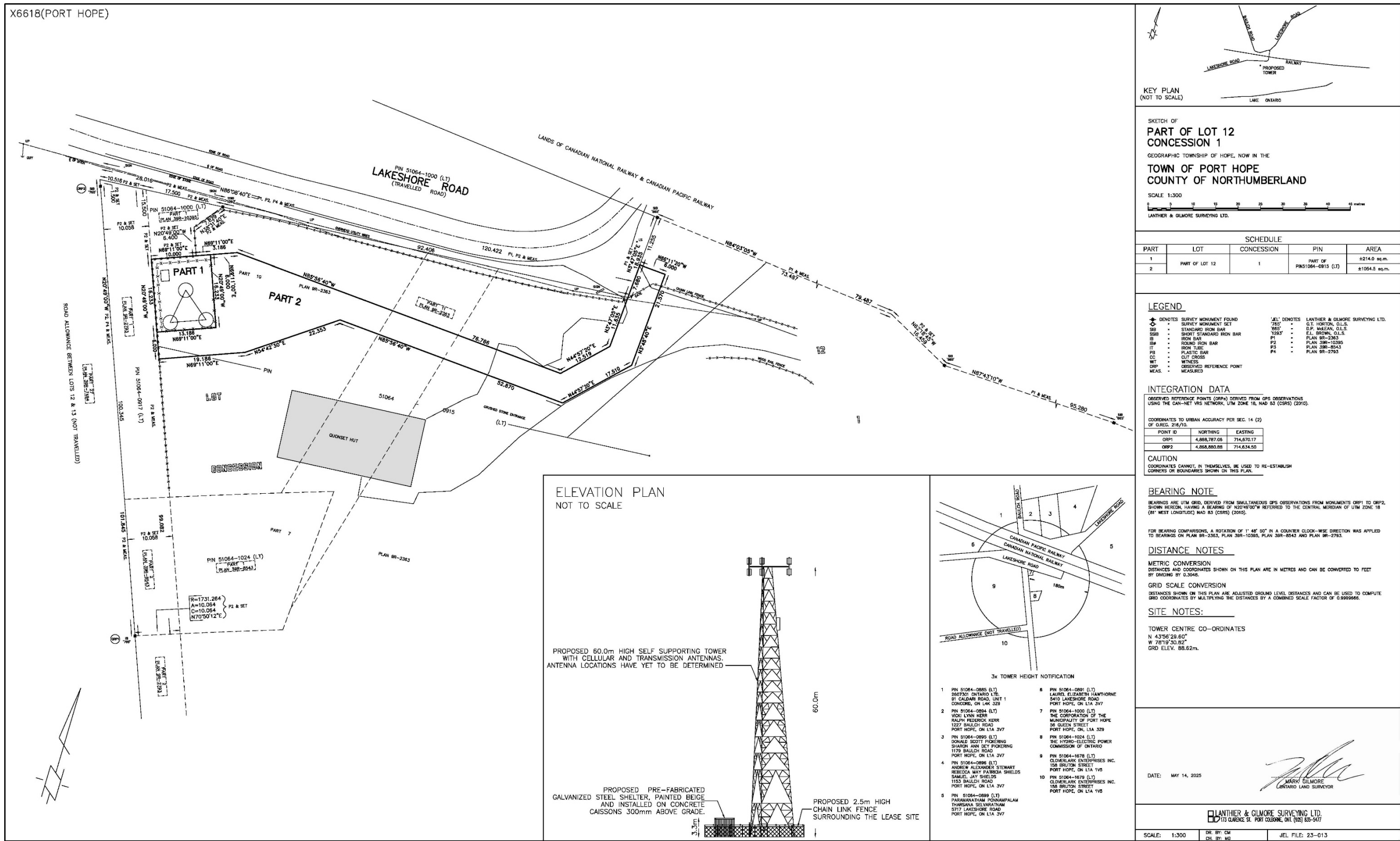
**Appendix 1 – Proposed and Alternative Site Locations**  
*Proposed Site*



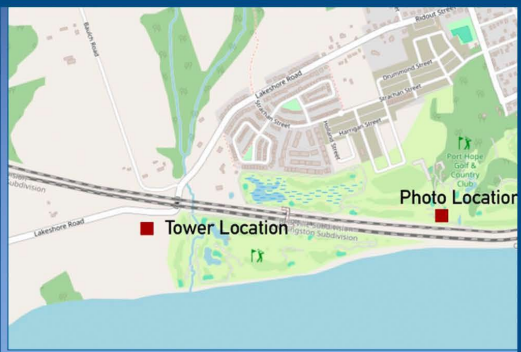
*Proposed and Alternate Locations*



Appendix 2 – Survey Plan

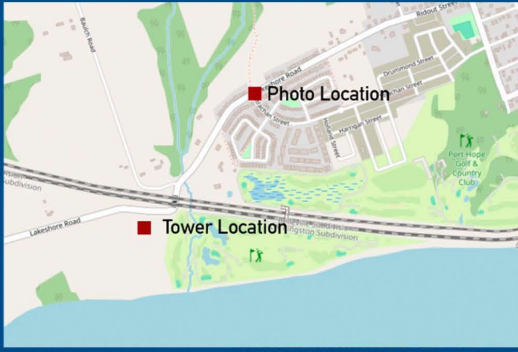


Appendix 3 – Visual Simulations



X6618 (Port Hope, ON)





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