Subject:	**Information Package** **Proposed 80m Self Support Telecommunications Installation**
Address:	**7384 Wellington Rd. 30**
Legal Description:	**PT LOTS 15 & 16, CONCESSION 3, DIVISION D, TOWNSHIP OF GUELPH, AS IN RO5145018, SAVE AND EXCEPT PT 2, 61R870 & PT 1, 61R9861 ; TOWNSHIP OF GUELPH SUBJECT TO AN EASEMENT OVER PTS 2 & 5, 61R9861 IN FAVOUR OF PT 1, 61R9861 AS IN W(C241859 SUBJECT TO AN EASEMENT OVER PTS 3 & 6, 61R9861 IN FAVOUR OF PT 1, 61R9861 AS IN W(C241859 SUBJECT TO AN EASEMENT OVER PT 4, 61R9861 IN FAVOUR OF PT 1, 61R9861 AS IN W(241859**
Coordinates:	**Latitude: N 43°35' 1.6", Longitude: W 80°18' 33.9"**
Bell Site Reference:	**X6487 – W1487 Replacement**

1. Proposed Location

Bell Mobility Inc. ("Bell") is proposing to locate a new Self Support at the above referenced location, on land owned by the municipality. The proposed tower is being proposed to maintain high-speed wireless mobile network and Wireless to the Home (WTTP) internet service coverage and capacity. This installation is required to maintain service in the Marden area and replace an existing tower that is to be decommisioned. The site is located on lands designated as "Recreational" in Wellington County's Official Plan and "Open Space" in the Township's Zoning By-Law (please note radio installations are federally regulated and not subject to the Planning Act). The site is located west of Highway 6 & Marden Road. Access to the tower will be entirely via an existing access off of Marden 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 ("CAN6"): The proposed site meets the requirements of the radio-frequency engineering team and it well located due to its proximity to the existing tower. It is setback from existing residences and the ROW as well as being shrouded by existing tree cover resulting in minimal aesthetic impacts. There is existing ROW and utility access minimizing any disruptive construction required for installation.

Alternate Site 1 ("CAN1"): This site met radio-frequency requirements; however, it was rejected in favour of CAN6 due to the increased aesthetic impact as it is close to a residential area and the ROW.

Alternate Site 2 ("CAN2"): This site met radio-frequency requirements; however, it was rejected in favour of CAN6 due to the increased aesthetic impact as it is close to a residential area and the ROW.

Alternate Site 3 ("CAN3"): This site met radio-frequency requirements; however it was rejected in favour of CAN 6 due to potential interference with Marden Creek and Grand River Conservation Authority regulated area. This site would also require additional access construction and interfere with existing farmland.

Alternate Site 4 ("CAN4"): This site met radio-frequency requirements; however it was rejected in favour of CAN 6 due to potential interference with Marden Creek and Grand River Conservation Authority regulated area. This site would also require additional access construction and interfere with existing farmland.

Alternate Site 5 ("CAN5"): This site met radio-frequency requirements; however, it was rejected in favour of CAN6 due to the increased aesthetic impact as it is close to a residential area and the ROW.

Alternate Site 6 ("CAN7"): While site met radio-frequency requirements and would have lower aesthetic impact compared to other sites, it was rejected in favour of CAN6 as this site would be less appropropriate for the network and CAN6 would provide more of the required coverage.

Existing Rogers Tower ("Co-Location"): Bell's radio frequency team reviewed the nearest Rogers tower for potential co-location and determined it would not provide sufficient coverage to maintain appropriate service levels.

2. Proposed Design

In order to enhance wireless service, Bell is proposing to install a 80-metre self support 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 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 380m 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 Township of Guelph Eramosa in regards to the proposed tower location and design.

3. Public Consultation Process

The Township of Guelph/Eramosa follows the telecommunications protocol defined in policy COR-0206 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 120 metres of other properties (measured from the outside permitter of the supporting structure), these property owners will be sent a notification package that includes the proposal and consultation details. Additionally, an ad will be published in a local newspaper determined by planning staff and a sign will be posted on the property. 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

In in order to move forward with the public consultation process, Bell has submitted an application for a tower installation to the Township of Guelph/Eramosa. 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 sitting of antenna support structures. As a form of comment, Bell will be seeking support or concurrence from the Township in the form of a Resolution, Minutes of a committee meeting or council and/or a letter that addresses the following items:

- The Township is satisfied with Bell's consultation process, as outlined in the current telecommunication policy;
- The proposed design and location is acceptable;
- That the Township 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

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-semt/alt_formats/pdf/consult/_2014/safety_code_6-code_securite_6/final-finale-eng.pdf

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 and has since received approvals from NAV Canada while the Transport Canada application is under review.

6. Conclusion

Bell is seeking to provide high speed wireless service to the residential community and businesses by maintaining **high-speed mobile (LTE) network coverage and WTTP service** in the Marden 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:

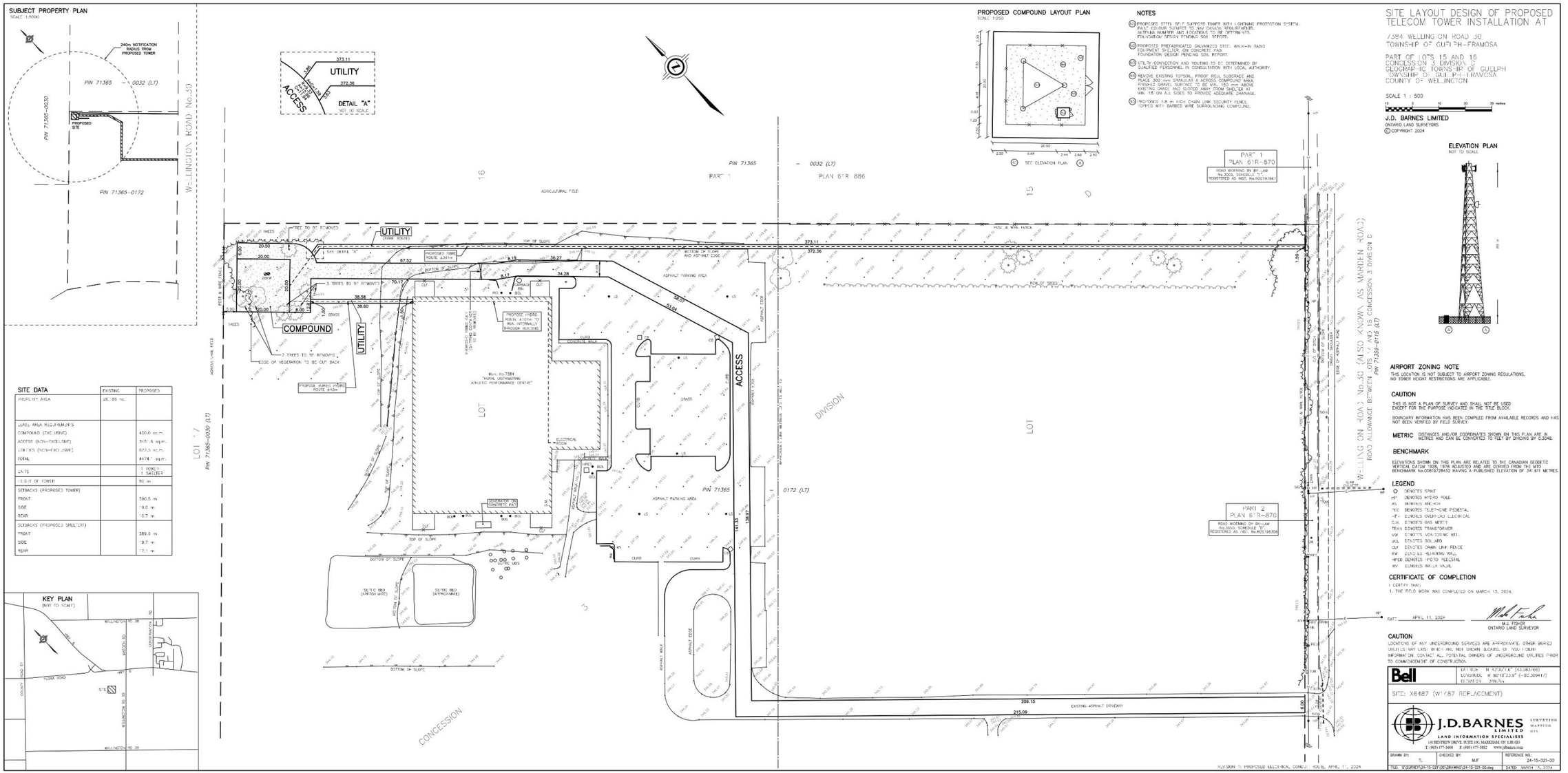
- The proposed tower location will bring much needed mobile wireless network coverage and capacity;
- The proposed tower is designed to provide high quality service to Bell customers in the Marden community and surrounding areas;
- The proposed tower is located over 380 metres away from the closest residential dwelling;
- The proposed tower is located over 370m metres away from the nearest public road; and
- The proposed tower is well located due to existing tree cover around the property and the location behind the Royal Distributing Athletic Performance Centre.

Appendix 1 – Proposed and Alternative Site Locations

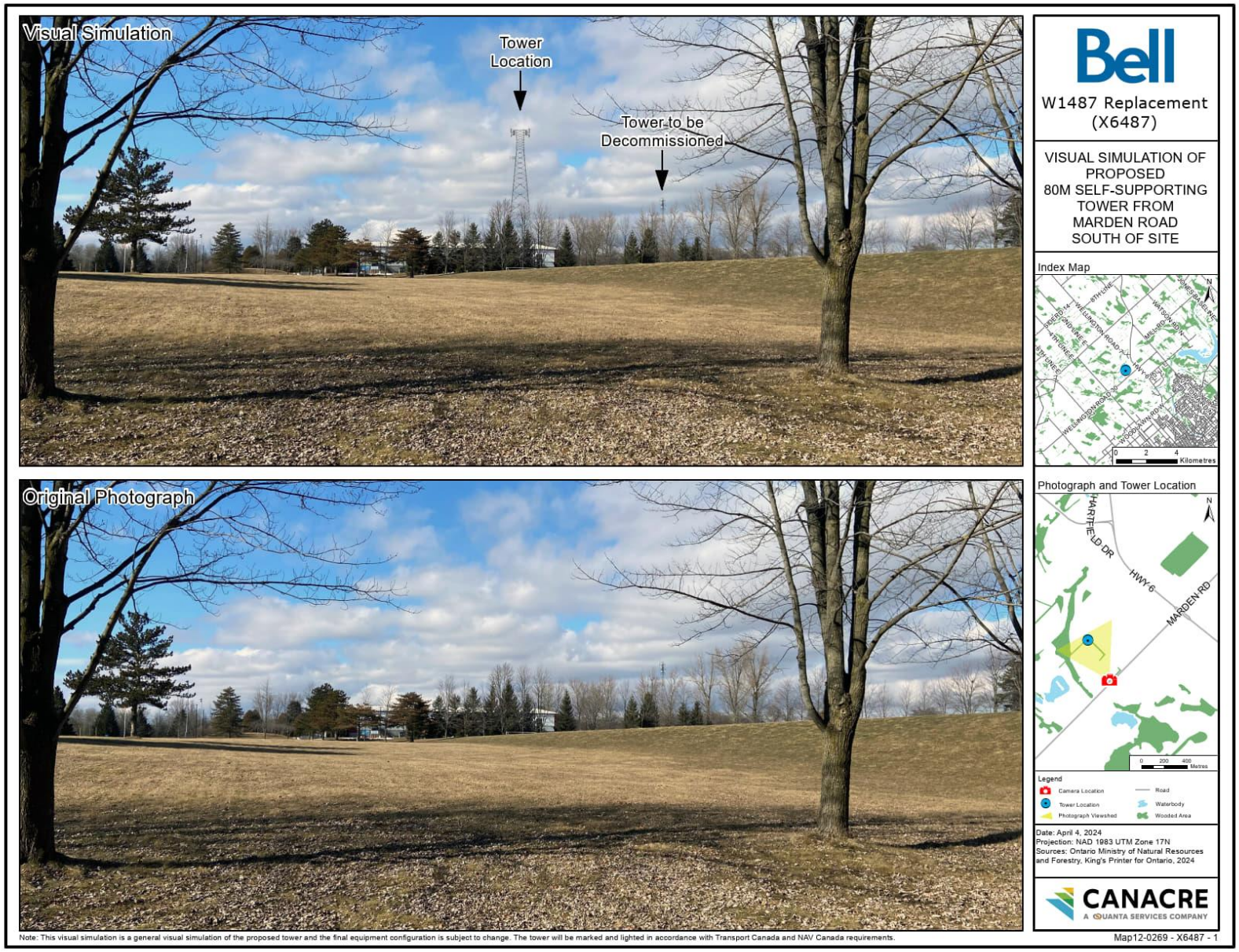
Proposed Site

Proposed and Alternate Locations

Appendix 2 – Survey Plan



Appendix 3 – Visual Simulations



Bell

W1487 Replacement (X6487)

VISUAL SIMULATION OF PROPOSED 80M SELF-SUPPORTING TOWER FROM MARDEN ROAD EAST OF SITE

Index Map

Photograph and Tower Location

Legend

Camera Location
Tower Location
Photograph Viewshed
Road
Waterbody
Wooded Area

Date: April 4, 2024
Projection: NAD 1983 UTM Zone 17N
Sources: Ontario Ministry of Natural Resources and Forestry, King's Printer for Ontario, 2024

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Note: This visual simulation is a general visual simulation of the proposed tower and the final equipment configuration is subject to change. The tower will be marked and lighted in accordance with Transport Canada and NAV Canada requirements.

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