

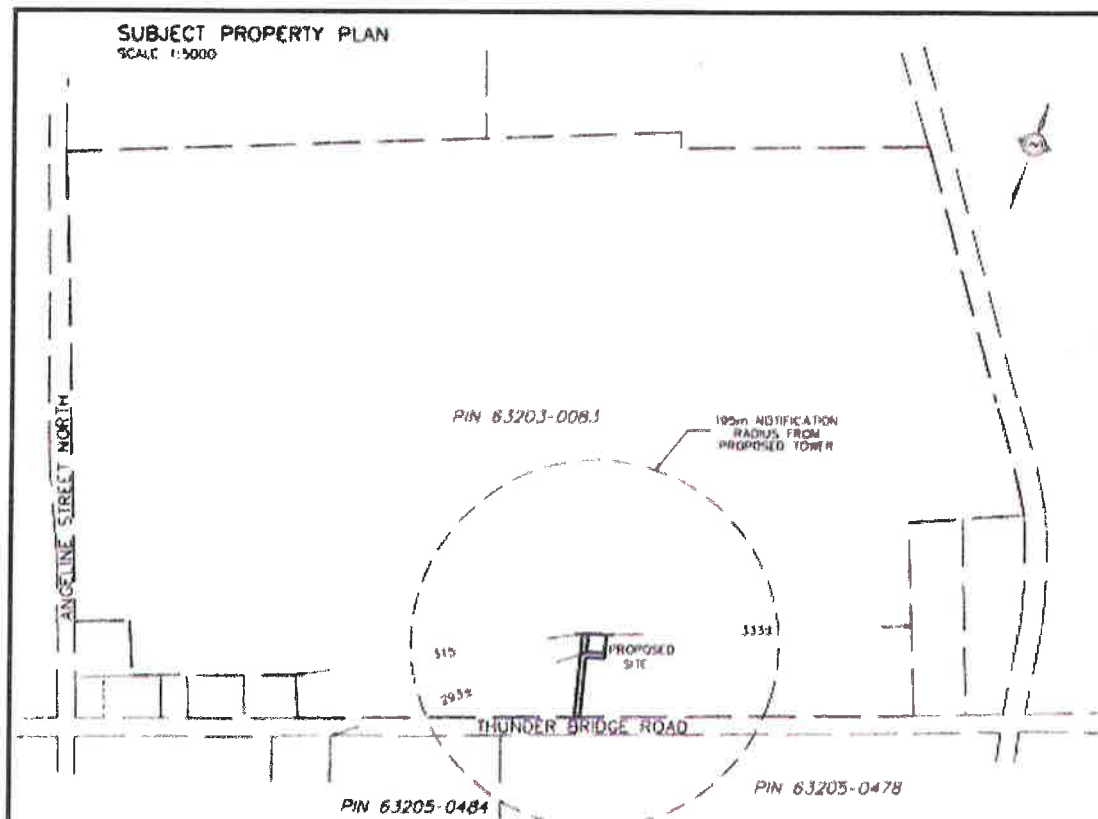
December 18, 2017

Ian Walker, Planning Officer – Large Development
Planning Division, Development Services Department
City of Kawartha Lakes
180 Kent Street West
Lindsay, ON K9V 2Y6

Re: Proposed Telecommunication Tower, 388 Angeline Street North, Former Township of Ops, File # D38-17-079, SNC File #0123

Introduction:

Shared Network Canada (SNC) is proposing a telecommunications tower installation at 388 Angeline Street North in the former Township of Ops in the City of Kawartha Lakes (see location of Site on the Subject Property Plan below).



The proposed structure is a 65m tall self supported tower, situated within a proposed 20m x 20m fenced compound. Access to the site will be from Thunder Bridge Road.

Pre-consultation Comments:

The application fee of \$2,163.00 is enclosed along with a signed survey to confirm landlord authorization and an electronic copy of this submission.

Further to your Pre-consultation Comments dated November 14, 2017, I provide the following;

1. Planning Department

- The City's approved Telecommunication System Protocol has been reviewed.
- The justification report is included in this cover letter along with the site plan and the additional required information.
- Please note that stamped engineered drawings are not a requirement of Industry Canada, until after concurrence is received (section 5.02 e of the City Protocol).
- Lot grading/drainage plan can be completed; however it is the position of SNC to undertake submission as part of a condition of concurrence.

2. Engineering and Corporate Assets Department

- Industry Canada is exempt from the requirement of an entrance permit.

Justification:

The tower location has been situated based on the anticipated current and future network improvement needs of the wireless telecommunication companies. Approval of this tower location would force carriers to collocate upon the tower instead of constructing their own, single carrier installations.

The tower height and compound size will accommodate multiple wireless service providers, including licensed cellular carriers. As of the date of this application, an incumbent national carrier has expressed interest in collocating on the proposed tower. The tower is being designed to accommodate equipment from Rogers, Bell, Telus and Freedom Mobile, including space for their radio equipment cabinets within the fenced compound at the tower base.

Space on the tower will also be made available for any fixed wireless Internet tenants, as well as for municipal/public communication equipment purposes, hence the required tower height.

Coverage Objective

The proposed installation is designed to improve wireless services in the surrounding area of the site.

The coverage of the service depends mainly on the carriers, their antennas and technology they choose to use.

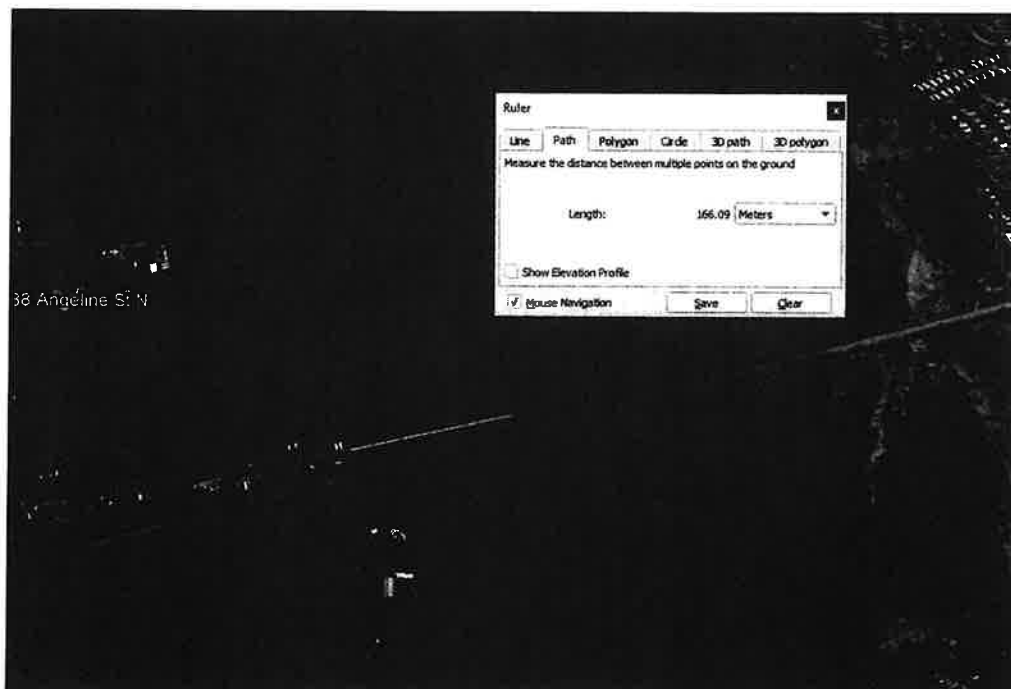
Site Selection / Land Use Considerations

SNC has identified the property outside the urban boundaries of the area targeted for improved coverage.

The proposed tower location will enable delivery of signal into the surrounding area while maximizing setbacks from current and future residential property lines to the extent possible, and minimizing visibility of the site from highly trafficked roadways.

In addition, the property is agricultural and is suitable for a tower installation. No alternative properties were considered, as this was deemed to be the most suitable for the installation given its current use.

There are no residential zoned properties in the immediate area of the subject property (red dot). The nearest residential property line to the proposed facility is a rural residential lot approximately 166.09m to the west (see aerial photograph below).



Setbacks from Existing Tower Sites / Co-location Opportunities FILE NO. D44-17-002

Before proposing a new telecommunication tower, SNC reviewed the location of existing telecommunication installations.

The closest existing tower to the proposed SNC0123 facility (blue circle on the map below) is a Bell tower (site code W1821) located on Mount Hope Street, approximately 3.4 km to the southeast (red circle below) at a peak height of 44.37m.



There are no existing structures available in the immediate vicinity of the proposed tower to provide a co-location alternative to a new tower.

The proposed tower will be engineered specifically to accommodate co-location by multiple service providers / as many carries interested. Specifically, this tower will be able to accommodate all 4 national incumbents as well as other ISPs and municipal services that would benefit from this location.

Compound space at the base of the tower has been designed for the typical equipment cabinet / shelter sizes of the major wireless service. If more space is required, it will be upon request.

Design

A steel self supported tower design is proposed at this location. Paint colour and lightning protection system is subject to Nav Canada requirements.

Designs, in most cases, make co-location of 2 or more carriers troublesome where in most cases we have found it would require further tower reinforcement to support the shroud and extra equipment required by the incoming carrier.

044-17-002

The tower design has been selected to provide maximum co-location potential with a relatively small footprint and limited visual impact on the immediate surroundings.

The proposed design allows views through the tower, minimizing its profile against the sky. It is also a compatible design with the agricultural character of its immediate area.

The following are pictures of the proposed site:



North View at proposed entrance

FILE NO. D44-17-002



North View



East View



West View

Control of Public Access

The site facility proposes to locate the radio equipment within a 20m x 20m fenced compound that is electronically monitored.

Health Canada's Safety Code 6 Compliance

Health Canada's role is to protect the health of Canadians, so it is the Department's responsibility to research and investigate any possible health effects associated with exposure to electromagnetic energy, such as that coming from cell phones and base stations.

Health Canada has developed guidelines for safe human exposure to Radio Frequency (RF) energy, which are commonly known as Safety Code 6. Safety Code 6 has been adopted by Industry Canada and is included in their regulatory documents on radio communication licensing and operational requirements. Industry Canada requires all proponents and operators to ensure that their installations and apparatus comply with the Safety Code 6 at all times.

SNC attests that the radio antenna system will comply with Health Canada's Safety Code 6 limits, as may be amended from time to time, for the protection of the general public including any combined effects of additional carrier co-locations and nearby installations within the local radio environment. For more information on Safety Code 6, please visit the following Health Canada site: www.healthcanada.gc.ca/radiation.

Canadian Environmental Assessment Act

SNC attests that the radio antenna system located by its tenants will comply with the Canadian Environmental Assessment Act, as the facility is exempt from review.

The proposed location creates no impact on area environmental features. It is located on an already disturbed area of an existing agricultural use. No trees or vegetation is being removed to accommodate the installation.

Transport Canada's Aeronautical Obstruction Marking Requirements

SNC attests that the radio antenna system placed by its tenants will comply with Transport Canada / NAV CANADA aeronautical safety requirements. When Transport Canada / NAV Canada have determined if any aeronautical safety features are required for the installation, such information will be provided to the Municipality.

For additional detailed information, please consult Transport Canada at:

<http://www.tc.gc.ca/eng/civilaviation/regserv/cars/part6-standards-standard621-512.htm>

Engineering Practices

SNC attests that the telecommunications structure as proposed for this site will be constructed in compliance with the Canadian Standard Association (CSA), and comply with good engineering practices including structural adequacy.

Contact Information

As a representative of SNC, you can contact me at the following:

Tracey Pillon-Abbs
c/o Shared Network Canada
275 Macpherson Ave, Unit 103
Toronto, ON M4V 1A4
p. (519) 776-9214 c. (226) 340-1232
tpillonabbs@gmail.com

Municipal Consultation Process

SNC builds and operates shared wireless telecommunications infrastructure, designed to ensure that service providers can address their customers' needs in the most efficient manner. As a federal undertaking, SNC is required by Industry Canada to consult with land-use authorities in siting telecommunication infrastructure locations.

The consultation process established under Industry Canada's authority is intended to allow the local land-use authorities the opportunity to address land-use concerns while respecting the federal government's exclusive jurisdiction over the siting and operation of wireless and data systems. SNC welcomes comments from the municipality and its agencies to address any expressed comments that are deemed relevant by Industry Canada's CPC-2-0-03 Issue 5.

Industry Canada's Spectrum Management

FILE NO. D44-17-002

Please be advised that the approval of this site and its design is under the exclusive jurisdiction of the Government of Canada through Industry Canada. SNC is participating in this consultation in accordance with Industry Canada's guidelines CPC-2-O-03 Issue 5.

For more information on Industry Canada's public consultation guidelines including CPC-2-O-03 contact <http://www.ic.gc.ca/epic/site/smt-gst.nsf/en/sf08777e.html> or the local Industry Canada office:

Industry Canada, Spectrum Management
Toronto District Office
151 Yonge Street, 4th Floor
Toronto, ON M5C 2W7
Telephone: 1-855-465-6307

Email: ic.spectrumtoronto-spectretoronto.ic@canada.ca

General information relating telecommunication is available on Industry Canada's Spectrum Management and Telecommunications website:

<http://www.ic.gc.ca/epic/site/smt-gst.nsf/en/home>

Conclusion

SNC sustains that the proposed site is ideally located to address and improve wireless voice and data services.

The proposed site is also situated and designed to minimise impacts on surrounding land uses, as the proposed tower aims to accommodate multiple wireless carrier equipment. It will also minimize the need for multiple additional tower infrastructures in the area in the future.

SNC looks forward to working with the City of Kawartha Lakes in providing improved wireless services in the area.

In order to proceed with the Public Information Session (PIS), I will require labels for the abutting land owner mailing list within the required time frame, set out in the City Telecommunication protocol.

Please contact me if you require additional information.

Yours Truly,


Tracey Pilon-Abbs, RPP
Planning Consultant

ENCL

SNC0123 Lindsay
Photo simulation locations



APPENDIX " D "
to 11/13
REPORT PLAN 2018-048

FILE NO. D44-17-002





APPENDIX "D" 13/13

REPORT PLAN2018-048

FILE NO. D44-17-002

