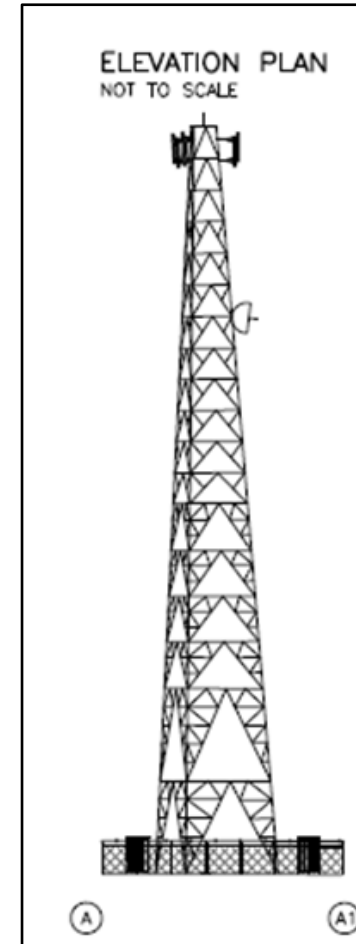


Proposed Telecommunication Tower STC0069  
1 Albert Judge Drive,  
County of Brant, ON

December 7, 2021  
Public Meeting

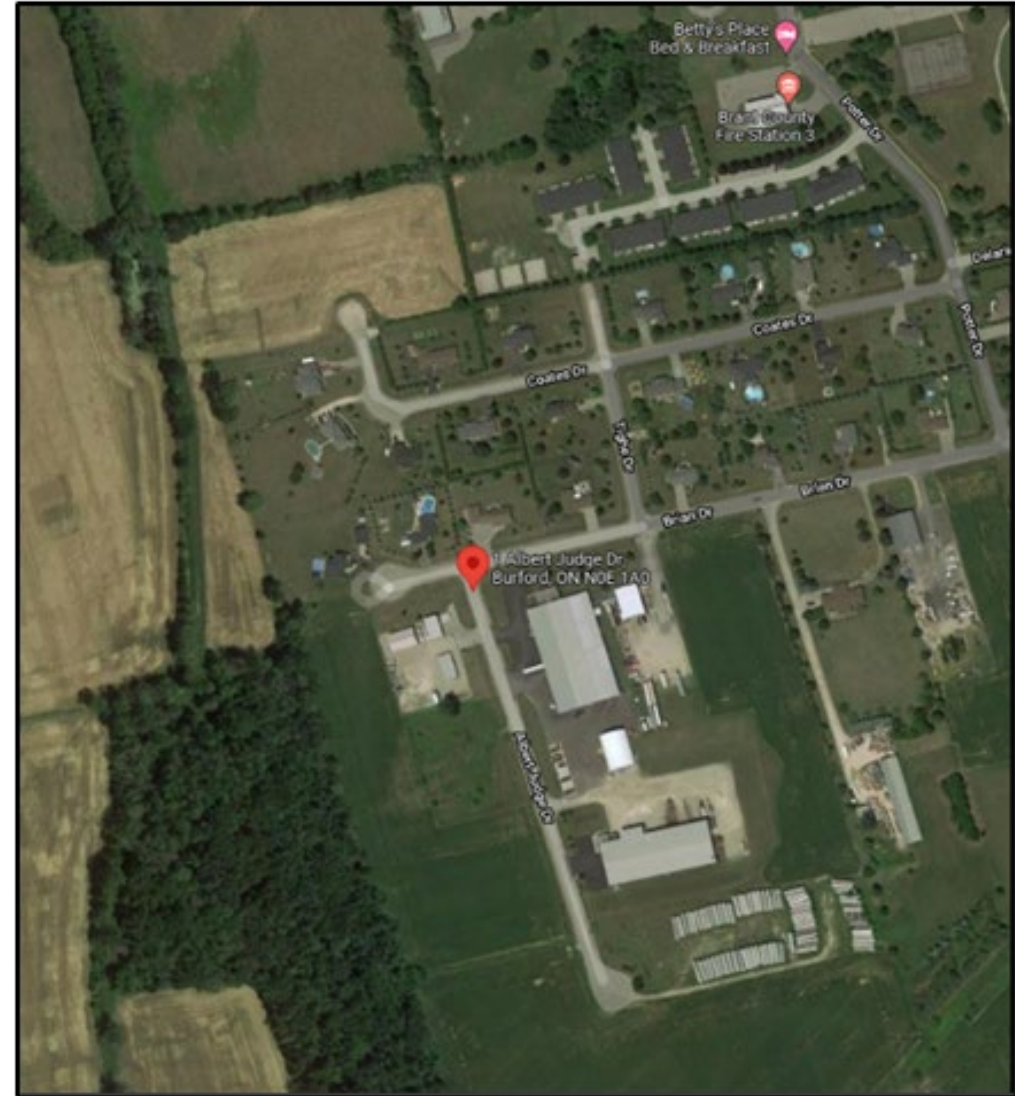
# What is proposed?

- A 50-metre tall self support tower with lightning protection system, situated within a compound area.
- Proposed Compound Area will be 9-metres x 16-metres in area.
- The design ensures that the visual impact of the new antenna structure will be minor.



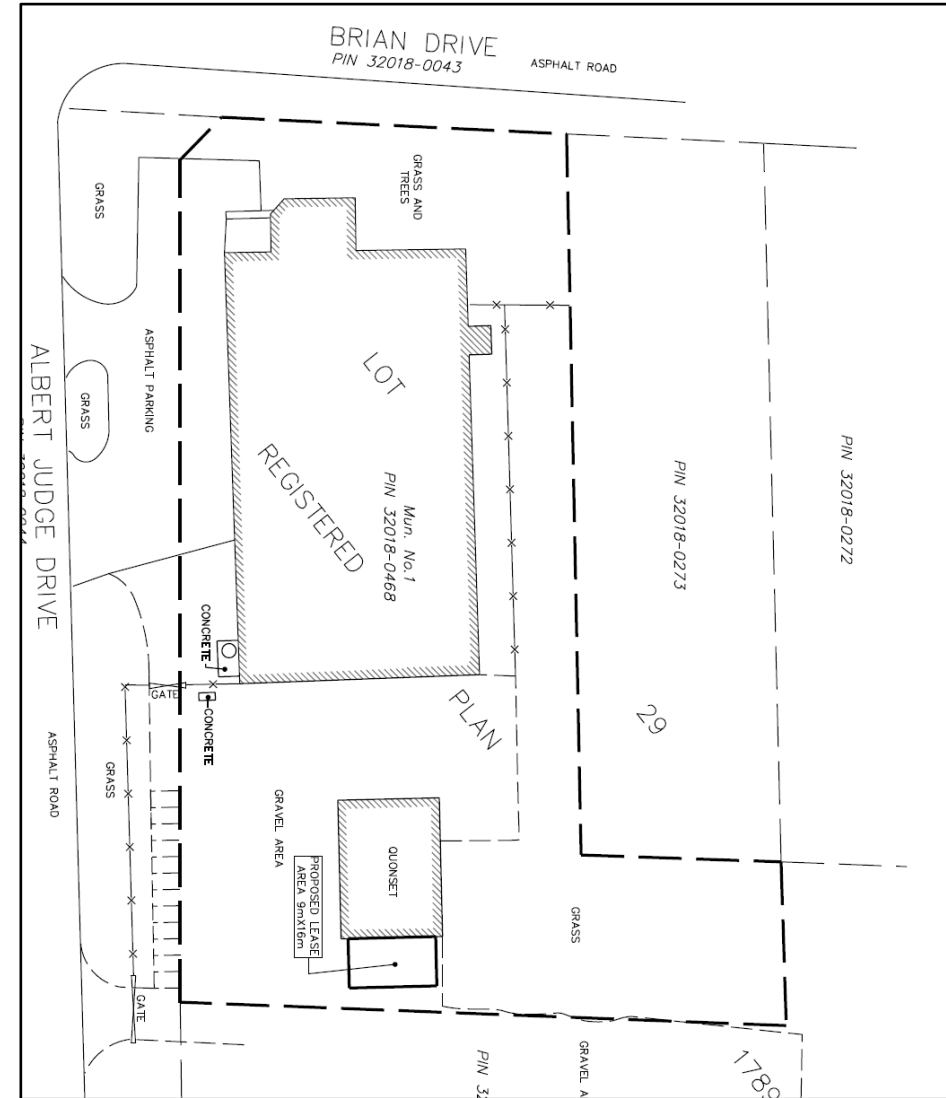
# Location?

- 1 Albert Judge Drive (Burford),  
County of Brant.
- Access to the site will be from an  
existing driveway from Albert  
Judge Drive.
- Alternative properties were  
considered, including the nearby  
buildings; however, the subject  
property was deemed to be the  
most suitable for the installation  
given its current use, its setback  
from residential uses, and the  
space requirements of the tower  
compound.

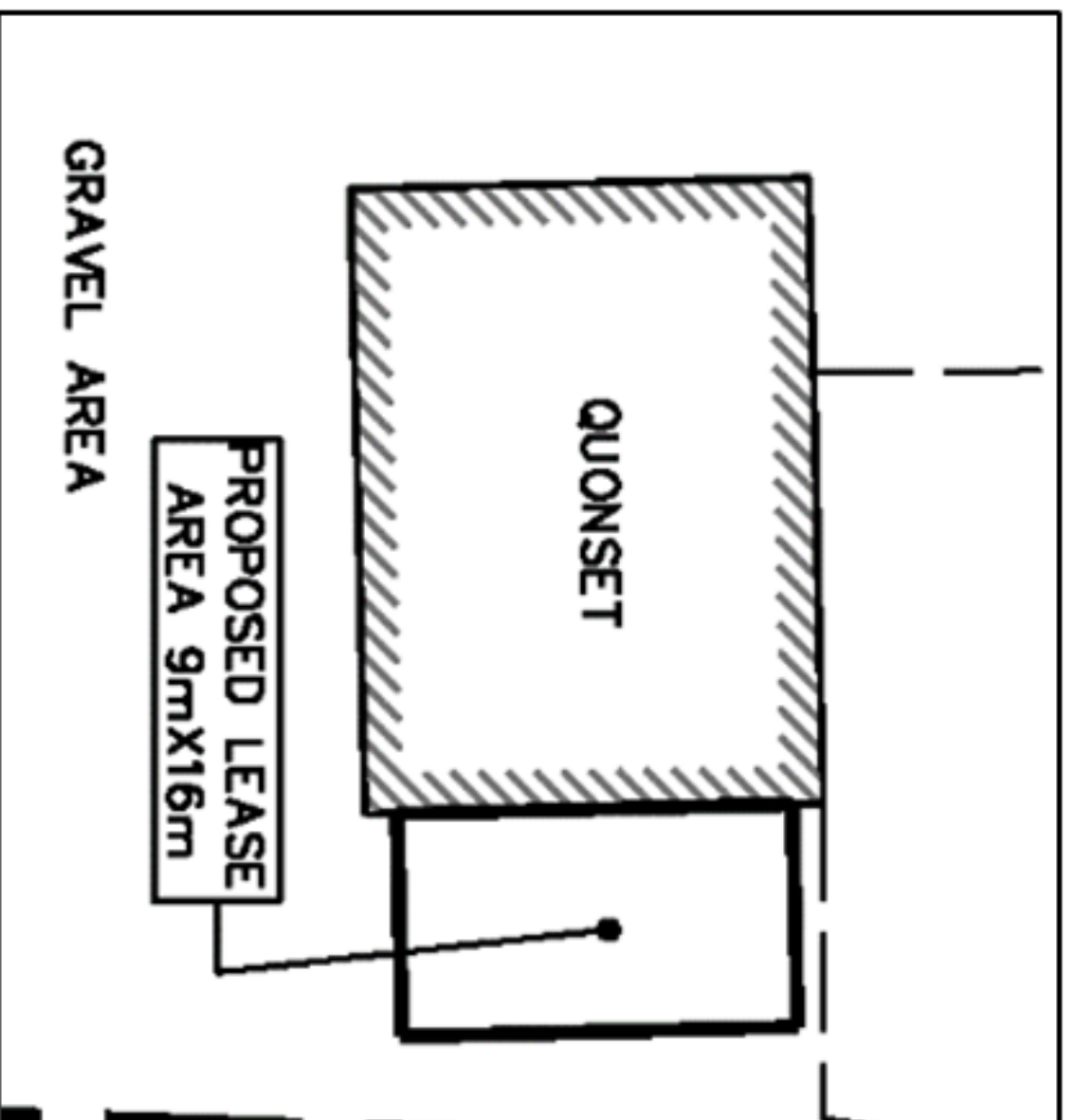


# Site Plan

- The facility will include a compound area with equipment cabinets.
- The 9mx16m compound area will have a chain link security fence.
- The proposed tower will be located beside an existing Quonset structure on the south side of the property.
- The subject property is used for industrial (Fowler Metal Industries).
- There is residential and industrial uses surrounding the proposed 50 m tower.







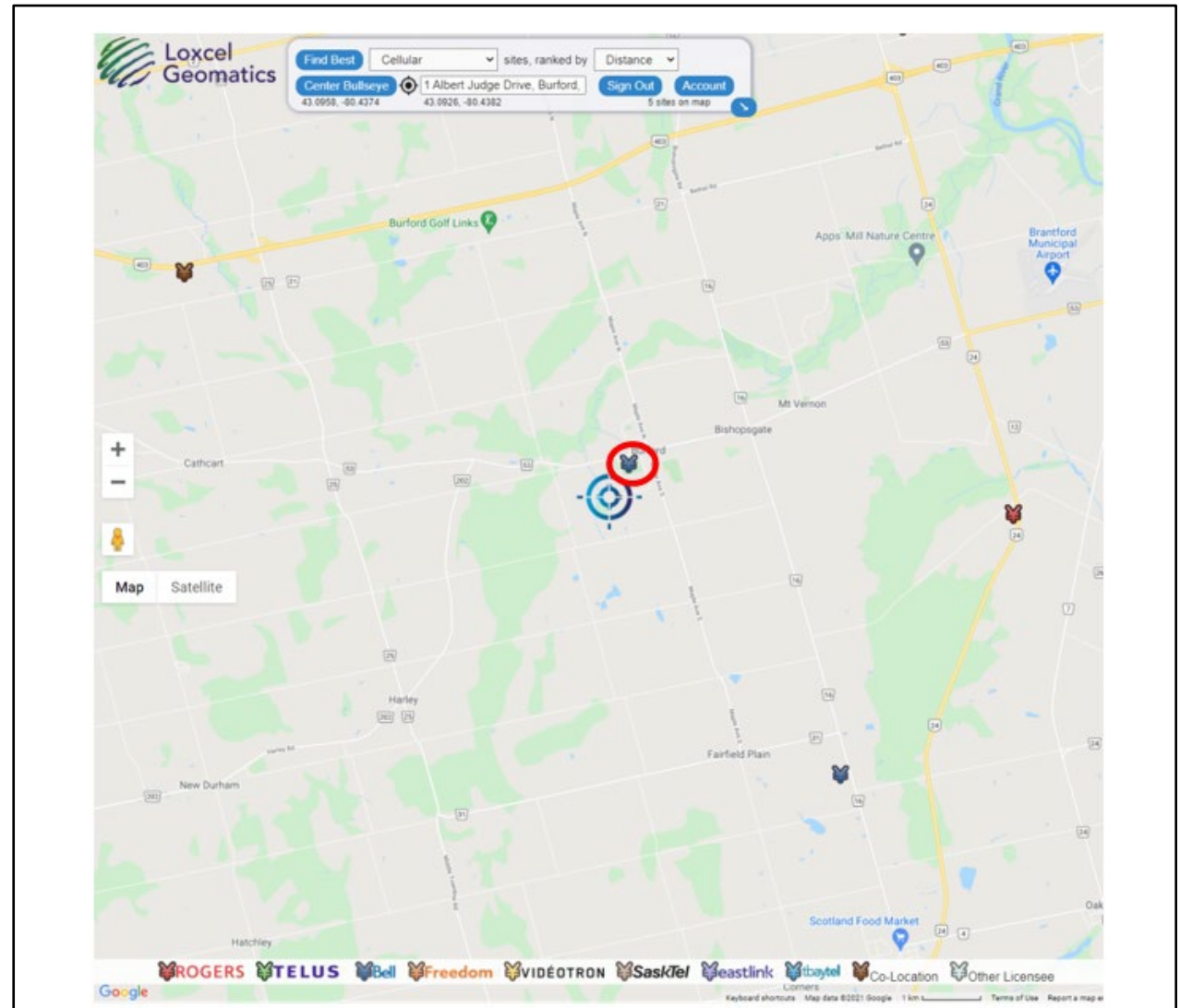
# Why the need for the Tower?

- Network of tower facilities enables wireless service providers to improve coverage and cellular network capacity in the most efficient manner.
- The area of the proposed tower has a coverage and network capacity gap, resulting from a relatively high distance between neighbouring tower sites / antenna installations.
- The area where the tower will be located suffers from substandard coverage.
- The proposed tower will also improve connectivity in the area for residents in the area especially for emergency services.



# Location of Nearby Towers

- The closest existing tower to the proposed STC0069 facility (blue circle below) is a Bell (W3321) tri-pole tower located on Potter Drive.
- The Bell tower is approximately 538 m to the northeast (red circle below) at a peak height of 38m, which is too short for new services.
- The tower elevation provided by Bell is too low.





# Current Coverage



- Telecommunications' equipment will deliver high levels of service depending on the type of provider, terrain elevations, trees, buildings, and other structures that could provide blockages.
- 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.
- Using Freedom Mobile Inc. as an example, the map below illustrates the approximate coverage network in the area (red star is the Subject Site).

# Photo Simulations – 2 Views





View 1 (Coates Drive looking south)





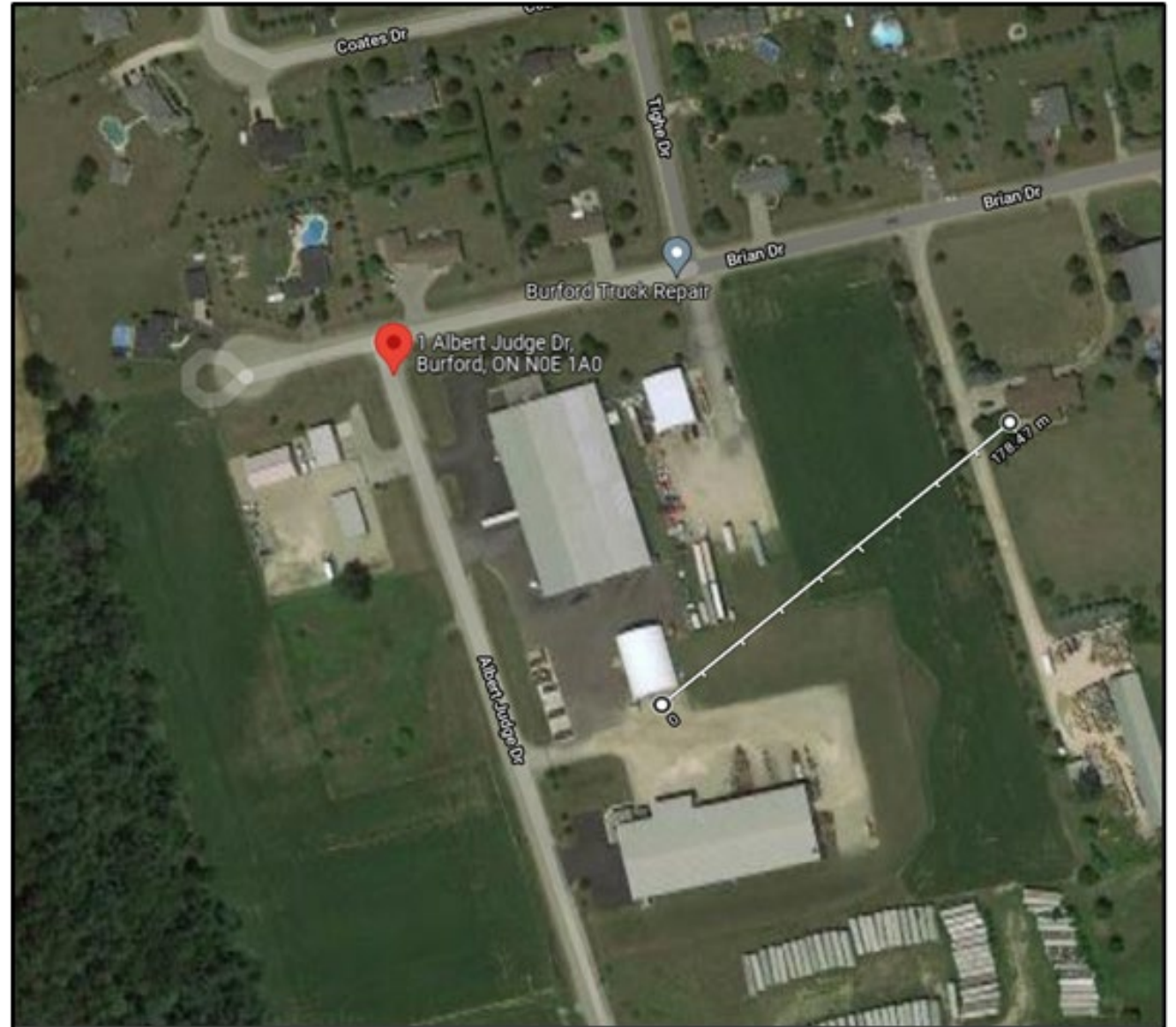
View 2 (Corner of Brian Drive and Potter Drive, looking west)

# County of Brant Protocol

To Be Considered	Responses
Distance from Residential Uses	Min. 120 m (or 3x tower) from Residential Uses. The nearest residential building is 178.47m (150 m min. required).
Distance from Natural Heritage	There are no natural heritage features.
Distance from Heritage Buildings and Sites	There are no heritage buildings or sites in the area.
Topographical Prominence	There are no existing towers available for co-location.
Views and Vistas	The proposed self-support tower is suited for the area. Co-location is being provided.
Compatibility	The Site is located in an existing industrial area.
Access	An existing access will be used



Closest  
Residential  
178.47 m





# Wireless Technology - Overview

- Today, wireless technology is responsible for delivering many much relied upon communications services such as;
  - Agricultural Equipment (GPS capabilities and farm applications in the field)
  - Internet of Things (IoT) (occurs between internet enabled devices and systems – cellphone, tablet, or a smart car all talking to each other)
  - EMS Response
  - Police & Fire Response
  - Voice (Cellular phone, Conferencing)
  - Data (Text, E-mail)
  - Internet Service (Web-browsing)
  - Paging
  - Video Streaming
- In order to provide wireless technology communications services, each carrier must establish a wireless network.

# Who Approves the Tower?

- Innovation, Science and Economic Development Canada (ISED) is the governing body for installations of this type of telecommunication installation.
- ISEDC, Toronto District Office, 151 Yonge Street, 4th Floor, Toronto, ON, M5C 2W7, 1-855-465-6307
- [ic.spectrumtoronto-spectretoronto.ic@canada.ca](mailto:ic.spectrumtoronto-spectretoronto.ic@canada.ca)
- LandSquared will always meet and exceed the safety standards set out by Health Canada with regards to wireless equipment operation, and their ultimate goal is to ensure the safety and improved standard of living of every resident they serve.
- LandSquared follows the consultation process approved by the municipality and their concurrence will be ratified by ISED.

# Consultation

- **Municipal Consultation**

- Pre Consultation (August 21/21)
- Formal Application (Sept 4/21)
  - Cover Letter
  - Site Selection Report
  - Site Plan
  - Application
  - Fee
  - Photosimulations

- **Public Consultation**

- Public Notification (30 days)
  - Sign on the subject property
  - Newspaper (Expositor)
  - Mailing (500 m radius)
- Virtual Open House (Dec 2/21)
  - no public attendees
- Comment Deadline (Dec 2/21)
  - No comments received
- Public Meeting (Dec 7/21)

# Questions?

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