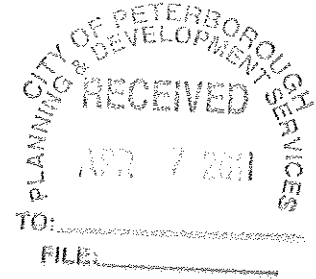


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MEMORANDUM

To: Caroline Kimble
Date: March 30th, 2011
From: Rita Kostyan
Re: Summary of the March 8th, 2011 Pubic Information Session
Project Name: 184 Marina Blvd., Peterborough (OPB1707)
Project Number: 10187



Ms. Kimble,

Please see below a summary of the March 8th, 2011 Public Information Session/Open House held at 6:00pm on March 8th, 2011 in the Northminster United Church, in the City of Peterborough with respect to the proposed Communication Tower at 184 Marina Boulevard.

- In total we counted approximately 28 people in attendance at the meeting. Please note that not all in attendance were local residents.
- 27 people in total signed our sign-in sheet.
- 75 copies of the Public Consultation Information Package were mailed out to the City of Peterborough staff to distribute to residents and local municipal staff on February 7th, 2011.
- Another copy of the Public Consultation Information Package was mailed to Industry Canada staff.
- The Public Consultation circulation list was prepared by Peterborough Planning Staff (see attached) and was based on an approximately 140 metre radius around the property line of 184 Marina Blvd (3 times the tower height).
- An ad with respect to the proposed communication tower was also place in the Peterborough Examiner on February 14, 2011, advising residents of the upcoming Public Information Session/Open House and the public commenting deadline.

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- The approximate capacity of the ground floor room in Northminster United Church is for approximately 150 people and approximately 30-40 chairs were made available for residents with more in storage if needed

The Information Session/Open House was scheduled for 6:00 -7:30pm, as per my discussion with Peterborough Planning Staff prior to the meeting. The meeting can be summarized as follows:

- TBG staff arrived at 5:30pm to set up for the information session
- The session was set up in an Open House format with 2 sets of large display boards along two walls of the ground floor room. Display boards included:
 1. Location Map and Site details
 2. Superimposed photo of proposed tower on subject site
 3. Othophoto of Subject Site and surrounding area with distance to the nearest residential dwelling
 4. Site Plan
 5. Elevation of proposed tower
 6. Close up of proposed compound
- Other information and handouts available to those that attended the meeting:
 1. The full municipal submission package for review
 2. Copies of the Public Consultation Package to take home
 3. Brochures and handouts to answer any concerns or questions were made available to residents to take home including:
 - *Radiocommunication Towers, Environmental Assessment and Safety Code 6: Frequently Asked Questions*, compiled by Industry Canada
 - *It's Your Health: Safety of Cell Phones and Cell Phone Towers*, compiled by Health Canada
- People started to arrive at 6:00pm
- TBG Staff initially treated the session as an Open House welcoming attendees and walking them through the display boards and answering any questions.
- At 7:15pm people in attendance requested a presentation. Anthony Biglieri and Rita Kostyan proceeded to give a short presentation providing the details of the proposed communication tower and welcomed any questions from the audience.

- A 30 min question and answer period followed. Questions included the following:
 1. Where in the planning process is this project?
 2. When is the deadline to inquire or make complaints?
 3. What kind of jurisdiction does the municipality have in this case?
 4. Can we email you our questions instead of writing them down on this sheet?
 5. What guidelines does your company or SBA follow? And in the absence of municipal guidelines what is followed?
 6. How many tenants can use the tower?
 7. How many antennas will this tower have?
 8. Is it possible for the proposed tower to be increased in height at a later date?
 9. Is the real reason for this location choice due to the fibre optic cable adjacent the site?
 10. What will be done in regards to ice build-up in the winter? Bell towers in the city have already had to deal with this, what precautions will SBA employ?
 11. What will be done to protect birds living close to these towers?
 12. What exactly does 500m radius mean? Does this mean my cell phone signal will not work outside of that radius?
 13. How many more towers are required in order to provide a network for the service to exist outside of this zone?
 14. How do we know or find out where the other proposed sites are located?
 15. Has property value been considered?
 16. Was the school board approached regarding this proposed tower?
 17. What if we shut down the project? Will the site just move to another location within the same area?
 18. What does SBA stand for?
 19. Where does the interest lie for this project?
 20. How many towers need to be in place in order for them to launch a network?
 21. Why are the proposed towers going up in areas of low income?
 22. Does the municipality have any decision making or approval authority?
 23. What happens if the City of Peterborough does not support this project?
 24. Will there be a light on top of the tower?
 25. Can a stealth design be used?
 26. Have you read the BRAG Report stating no tower should be located within a 450m radius of a school?
 27. Why was the precautionary principle not used instead of Industry Canada?
 28. Why is a full printout of Safety Code 6 not provided for us to review?

29. Will you have another meeting for this since there has not been a good turnout, due to poor advertising?
30. Is there any reason why the existing Bell towers can't accommodate more tenants instead of building more towers?

TBG staff answered the above questions to the best of their abilities and assured attendees that all questions received at the meeting will be forwarded to SBA Canada and we will follow up with detailed answers to their questions in a response package once the commenting period is over. TBG staff also assured attendees that all questions would be recorded and any technical questions beyond the expertise of TBG staff would be addressed in a detailed response letter to attendees.

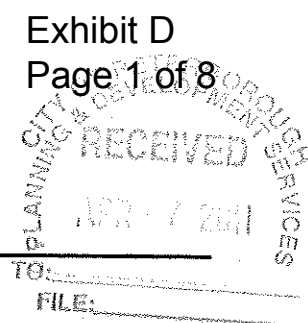
Attendees were advised that the commenting period will end on March 24th, 2011. Peterborough Planning staff was also able to confirm that the proposed communication tower will go forward to Planning Committee and Council sometime in May, 2011, at which point Council will provide their recommendation with respect to the proposed tower. Some attendees asked Peterborough Planning staff that they be notified when the proposed communication tower will be going forward to Planning Committee, as currently no exact date has been set.

TBG staff remained on the premises of the Northminster United Church until approximately 8:15pm to answer any additional questions from attendees on an individual basis. TBG staff were among the last people to leave the premises of Northminster United Church.

Should you have any questions or concerns please do not hesitate to contact me.

Thank you,

Rita Kostyan, B.A.(Hons.), B.U.R.Pl.
Planner



April 6, 2011

**RE: Public Consultation with respect to Proposed Communications Tower
184 Marina Blvd., Peterborough, Ontario
TBG Project No. 10187**

Dear Sir/Madam,

I am writing to you on behalf of SBA Canada, ULC, as a follow up to the Public Information Session/Open House held on March 8th, 2011 in the Northminster United Church, Peterborough. Thank you for attending the Information Session/Open House regarding the proposed communication tower to be located at 184 Marina Boulevard and expressing your questions/concerns.

This letter is intended to address, to the best of our abilities, any questions/concerns communicated to us by interested parties via email, mail and telephone prior to the end of the commenting period on March 24th, 2011 or during the March 8th, 2011 Information Session/Open House.

Please see the questions/concerns communicated to us during the public consultation period, in **bold**, along with our answers *italicized*.

A. Site Acquisition:

- 1. Why is the proposed tower going up in an area with such close proximity to schools, daycares, churches and houses? Is the real reason for this location choice due to the fibre optic corridor just south of the area, or because it is near a low income neighbourhood?**
- 2. What if we shut down the project? Will the site just move to another location within the same area?**
- 3. Would it be possible to relocate the site closer to the water near Northcrest Arena or within Bears Creek Woods?**

B. Structural & Service:

- 4. How many tenants can use the tower?**
- 5. How many antennas will this tower have?**
- 6. Is it possible that SBA may add onto the height of this tower in the future?**
- 7. What will be done in regards to ice build-up in the winter and potential falling ice? Bell towers in the city have already had to deal with this, what precautions will SBA employ and who will be liable if a shard falls on a car or hurts someone?**
- 8. What exactly does 500m radius mean? Does this mean my signal will not work outside of that radius?**

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9. How many towers are required for SBA or WIND Mobile to launch a network in Peterborough? How do we know or find out where the other proposed sites are located?
10. Will there be a light at the top of the tower?
11. Can a stealth design be used?
12. Is there any reason why the existing Bell towers can't accommodate more tenants? Why can't WIND Mobile co-locate on one of their existing towers?
13. Is there a scheduled long-term procedure for maintenance of the tower so that it does not become an eyesore in the future?

C. Health & Safety:

14. Will the proposed communication tower pose any health risk to students in the nearby schools? Please provide any published documentation that shows the frequency level is safe for children that are exposed daily or long-term.
15. Is your company aware of cancer clusters in homes within 500 meters of a tower?
16. Will there be continual monitoring and measuring of exposure rates?
17. What is the RF emission and wattage emitted from this proposed tower?

D. Property Devaluation:

18. Has property value been considered? Will the proposed communication tower negatively impact property values?

E. Conservation/Natural Heritage Features:

19. What will be done to protect birds living close to these towers?
20. The proposed site is located by a creek with potential soil instability, have natural hazards been considered?
21. Has there been an environmental impact study prepared to assess the potential impacts to the creek and soil stability along the banks?
22. Why was the precautionary principle not used instead of Industry Canada?

F. Process, Guidelines & Community Consultation:

23. Where in the planning process is this project? How long will it be until this site is available and approved to construct a tower on it?
24. When is the deadline to inquire or make complaints?
25. What kind of jurisdiction does the municipality have in this case? What happens if the City of Peterborough does not support this project?
26. Can we email you our questions instead of writing them down on this sheet?
27. What guidelines does your company or SBA follow? And in the absence of municipal guidelines what is followed?
28. Was the school board approached regarding this proposed tower?
29. Will you have another meeting for this since there has not been a good turnout, due to poor advertising?

G. Miscellaneous Questions:

30. What does SBA stand for?
31. Where does the interest lie for this project?
32. Have you read the BRAG Report stating no tower within a 450m radius of a school?
33. Why is a full printout of safety code 6 not provided for us to review?
34. Please provide the name of the insurance company that ensures we have 3rd party medical indemnity against any damage caused by microwave radiation emitted from the proposed cell phone tower.
35. How do these towers fit in with the eugenic program based on the Georgian Guidestones, which states that the world population should be reduced to 500 million from 6.8 billion?
36. Who is the land owner of the lot for the proposed tower? And what is their contract?

Please see following for our responses to the above questions and comments received.

A. Site Acquisition:

1. Why is the proposed tower going up in an area with such close proximity to schools, daycares, churches and houses? Is the real reason for this location choice due to the fibre optic corridor just south of the area, or because it is near a low income neighbourhood?

SBA Canada's tenants (cell phone carriers) review their existing networks of towers and identify any gaps in their networks. In order to fill the gaps and provide improved wireless service, cell phone carriers identify nominal points (ideal locations) for proposed communication towers in order to fill the gaps with the least number of towers possible. Cell phone providers then provide SBA Canada with the location of their nominal points and SBA further investigates the proposed locations.

In SBA's search for antenna system solutions in a particular community, the suitability of existing infrastructure (other towers, rooftops, and taller structures) is reviewed in detail within a 500 metre radius of the nominal point. Locating the proposed tower outside of the 500 metre radius would result in the siting of additional communication towers to ensure that the quality of the network is intact. Once the requirement for a new communication tower has been determined the site selection process involves the evaluation of the radio frequency characteristics of an area, based on characteristics such as terrain, existing structures, the number of subscribers, distance from existing sites and the availability of a landlord to lease the land.

The proposed communication tower location was chosen according to RF (Radio Frequency) requirements. The tower location also depends on where a landlord would like to position a proposed tower on their property so that it does not interfere with the

existing land use on the property. Therefore, there are many variables that SBA Canada had to work with to come up with the proposed tower location. Given these facts SBA Canada is unable to reposition the proposed communication tower.

2. What if we shut down the project? Will the site just move to another location within the same area?

The Federal Government, through Industry Canada, has exclusive jurisdiction with respect to Communication Tower Siting.

3. Would it be possible to relocate the site closer to the water near Northerrest Arena or within Bears Creek Woods?

SBA Canada investigated the suitability all sites within a 500 metre radius of the nominal point (northwest corner of Marina Blvd and Royal Drive) and found that all of the other sites including the two mentioned above were unsuitable for the purposes of the communication tower location.

B. Structural & Service:

4. How many tenants can use the tower?

The proposed communication tower will allow for the co-location of up to four (4) telecommunication providers. The construction of the proposed facility will eliminate the need for any additional communication towers within the surrounding area.

5. How many antennas will this tower have?

Currently one antenna is proposed on the tower with a potential for an additional three (3) antennas.

6. Is it possible that SBA may add onto the height of this tower in the future?

It is unlikely that the proposed communication tower would be increased in height.

What will be done in regards to ice build-up in the winter and potential falling ice? Bell towers in the city have already had to deal with this, what precautions will SBA employ and who will be liable if a shard falls on a car or hurts someone?

There will be an ice-guard installed on the proposed tower to ensure that any ice formed will not fall on individuals or cars located in the vicinity of the proposed tower. The ice-guard will be located below the proposed antenna approximately 33.7 metres above the ground. SBA insures all tower sites and carries additional corporate insurance in the case that an unpredictable circumstance may arise.

7. What exactly does 500m radius mean? Does this mean my signal will not work outside of that radius?

The 500 metre radius represents SBA's search area around the nominal point. Based on the initial investigation into signal strength, an ideal location (a nominal point) was identified at the corner of Marina Blvd and Royal Drive for the purposes of the location of the proposed communication tower. Given this ideal location, an area within 500 metre radius of the nominal point was investigated in detail by SBA Canada. Locating the proposed tower outside of the 500 metre radius would result in network disruptions and possibly the siting of additional communication towers in the area to ensure that the quality of the network is intact.

Antennas can have a signal radius anywhere between 800 metres to 3.2 kilometres. The signal radius is dependent on the height and the angle of the antennas. Signal strength can also depend on the amount of interference in between sites, such as structures and trees.

8. How many towers are required for SBA or WIND Mobile to launch a network in Peterborough? How do we know or find out where the other proposed sites are located?

SBA does not build the network and does not know how many towers are required by WIND in order to build a sufficient network as that is proprietary information belonging to WIND Mobile.

9. Will there be a light at the top of the tower?

There will be no lighting required on top of the proposed communication tower as per the approvals received from Transportation Canada.

10. Can a stealth design be used?

SBA will be flush mounting the equipment, landscaping the site and painting the tower to the City's requested colour of choice.

11. Is there any reason why the existing Bell towers can't accommodate more tenants? Why can't WIND Mobile co-locate on one of their existing towers?

The existing towers are located well outside of the 500 metre search area and therefore are not suitable for the purposes of the establishing a network.

12. Is there a scheduled long-term procedure for maintenance of the tower so that it does not become an eyesore in the future?

The proposed communication tower is designed and will be built to the highest engineering standards by qualified engineers specializing in communication tower construction. Once built, the proposed tower will be carefully maintained by SBA Canada, a company with extensive experience in maintaining and managing communication towers.

C. Health & Safety:

13. Will the proposed communication tower pose any health risk to students in the nearby schools? Please provide any published documentation that shows the frequency level is safe for children that are exposed daily or long-term.

According to Health Canada, the amount of RF Energy that is emitted from base stations (communication towers) are thousands of times below the limits for public exposure. The limits of public exposure according to Health Canada standard, Safety Code 6, range from 3 kHz to 300 GHz. Therefore, living anywhere in the vicinity of the proposed compound is safe as limits of RF Energy emitted from the proposed communication tower will be well below the Health Canada standard for public exposure.

According to Health Canada, "the typical RF energy that you find coming from base stations, including cell phone towers, are thousands of times below the limits of public exposure. The specific limits for public exposure apply to everyone including the elderly, individuals with health concerns, children and pregnant women – and allow for continuous, 24/7 exposure" (Health Canada, Wireless Device Safety Brochure, enclosed).

If you are interested in viewing or learning more about Health Canada's Safety Code 6, please view following link:

<http://www.rfsafety.com/PDF%20Files/Health%20Canada%20Safety%20Code%206%20Standard%202009.pdf>

Please note that Safety Code 6 is "based on an ongoing review of published scientific studies on the health impacts of radio frequency electromagnetic energy" (Safety Code 6, 2009, page 3).

14. Is your company aware of cancer clusters in homes within 500 meters of a tower?

According to Health Canada there is no scientific evidence linking communication towers to the cause of cancer. Please note that every carrier that is to locate on SBA's towers must provide a certification that asserts that their equipment abides by Safety Code 6 (Health Canada regulation). Carriers will also have to receive a "spectrum

32. Why is a full printout of safety code 6 not provided for us to review?

Safety Code 6 is a large document that The Biglieri Group felt would be too costly economically and environmentally to print copies for every resident at the public information session. Instead a shorter document from Health Canada containing the most applicable excerpts from Safety Code 6 was provided at the information session, "It's Your Health: Safety of Cell Phones and Cell Phone Tower". For your information purposes, a full version of Safety Code 6 is available online at the following website:

http://www.rfsafetyolutions.com/PDF%20Files/Health%20Canada%20Safety%20Code%206%20Standard_2009.pdf

33. Please provide the name of the insurance company that ensures we have 3rd party medical indemnity against any damage caused by microwave radiation emitted from the proposed cell phone tower.

Tower and equipment will abide Safety Code 6. The name of SBA's insurance provider is proprietary information.

34. How do these towers fit in with the eugenic program based on the Georgian Guidestones, which states that the world population should be reduced to 500 million from 6.8 billion?

From our understanding the Georgia Guidestones is a large granite monument in Elbert County, Georgia, USA. It consists of a message comprising ten guides inscribed on the structure in eight modern languages and in four ancient languages. Although this is interesting, we are unsure of how to respond to this question as we do not see any link between the proposed communication tower and this monument.


35. Who is the land owner of the lot for the proposed tower? And what is their contract?

Please note that contractual information between SBA Canada and the landowner is proprietary information and cannot be disclosed.

To further address your questions, please see in closed brochure on "Radiocommunication Towers, Environmental Assessment and Safety Code 6: Frequently Asked Question" and "Safety of Cell Phone Towers" and "Wireless Device Safety".

Thank you again for taking the time to express your concerns. Should you have any questions or concerns please do not hesitate to contact me by **Wednesday, April 27th, 2011**, 21 days from the date of this correspondence, as per Industry Canada guidelines.

Yours truly,
THE BIGLIERI GROUP LTD.



Rita Kostyan, B.A. (Hons.), B.U.R.Pl.
Planner

Cc: Caroline Kimble, City of Peterborough
Joel Dubois, Industry Canada
Alex Lallitto, SBA Canada (via Email)



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THE BIGLIERI GROUP LTD.

May 9, 2011

**RE: Public Consultation Response with respect to Proposed Communications Tower
184 Marina Blvd., Peterborough, Ontario
TBG Project No. 10187**

Dear Sir/Madam,

I am writing to you on behalf of SBA Canada, ULC, as a follow up to your questions/comments received with respect to the Public Consultation Response Package dated, April 6th, 2011. I would like to thank you for providing further comments with respect to the proposed communication tower at 184 Marina Blvd.

This letter is intended to address any issues or concerns communicated to us by interested parties with respect to the proposed communication tower via email, mail and telephone prior to the end of the commenting period on April 27th, 2011.

Please see the questions or concerns communicated to us during the public commenting period, in **bold**, along with our answers *italicized*.

1. **"We have not been able to find any randomized controlled trials (RCTs) in which researchers have randomly exposed one group of children to microwave radiation from cell phone towers and another group to a placebo condition for extended periods of time to document the safety of this type of radiation." Resident is concerned about the safety of the RF emission from the proposed antenna on top of the proposed tower.**

As per an April 27, 2011 email received from Health Canada's Chief of Electromagnetics Division, Art Thansandote, the following is a list of comprehensive analysis of recent scientific literature with respect to health and RF emissions (see following web links the full reports):

- a. *Report on "Exposure to high frequency electromagnetic fields, biological effects and health consequences (100 kHz - 300 GHz)" by the International Commission on Non-Ionizing Radiation Protection, 2009.
www.icnirp.de/documents/RFReview.pdf*
- b. *Report on "Health Effects of Exposure to EMF" by the European Commission's Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR), 2009.
http://ec.europa.eu/health/ph_risk/committees/04_scenihhr/docs/scenihhr_o_022.pdf*

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- c. *"Recent Research on EMF and Health Risks Seventh annual report from SSM:s Independent Expert Group on Electromagnetic Fields 2010" by the Swedish Radiation Safety Authority, SSM.*
www.stralsakerhetsmyndigheten.se/Global/Publikationer/Rapport/Stralskydd/2010/SSM-Rapport-2010-44.pdf

See attached email correspondence from Art Thansandote of Health Canada for further information.

In addition, please note that according to Health Canada, "specified limits for public exposure apply to everyone-including the elderly, individuals with health concerns, children and pregnant women- and allow for continuous, 24/7 exposure" (Wireless Device Safety Brochure, 2009).

Also note that, "worst-case exposure levels (from base stations) are typically thousands of times below those specified in health-base exposure standards" (Safety of Cell Phones and Cell Phone Towers Brochure, 2009).

- 2. "Some of the radiation concern material that you refer to is old publications, some 11 or 12 years old which a lot of updated scientific studies are disputed. A lot has changed in 11 or 12 years and we should be made aware of recent updates as you promised 'to the best of our abilities'."**

Please note that we have tried to provide you with the most up-to-date and unbiased information currently available with respect to the communication tower siting process. In our Public Consultation Response Package, dated April 6, 2011, we included the following materials:

- *Health Canada. Safety of Cell Phones and Cell Phone Towers. May, 2009.*
- *Health Canada. Wireless Device Safety Brochure. 2009.*
- *Industry Canada. Frequently Asked Questions: Radiocommunication Towers, Environmental Assessment and Safety Code 6. 1997*

Web links for the following guidelines and procedures were also provided within the April 6, 2011 Public Consultation Response Package:

- *Health Canada's Safety Code 6 - Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz. 2009.*
- *Industry Canada's CPC-2-0-03 – Radiocommunication and Broadcasting Antenna Systems, Issue 4. June 2007.*

3. If antennas can have a signal radius anywhere from 800 metres to 3.2 kilometres and a higher elevation optimizes their coverage, then why could you not co-located on the existing towers within the City at these higher elevations? For example, at the existing tower on CHEX Hill (1925 Television Road) or the existing tower on Chemong Road near Towerhill Road.

Locating on the above mentioned existing towers would not meet the signal objectives of the telecommunication service provider and the target area would not be covered fully.

4. "There is the very real potential to ice chunks to fall down on top of the 'habitat' and school field in the winter and early spring. We are not convinced that the ice guards you mention in the package would guarantee that there would be no ice falling from the tower." Resident is concerned about the safety of children playing in the adjacent school yard.

As per our response letter, dated April 6, 2011, there will be an ice-guard installed on the proposed tower to ensure ice will not fall on individuals or cars in the vicinity of the proposed communication tower.

Please note that SBA is a company with extensive experience in maintaining and managing communication towers. SBA currently owns 9,112 towers and manages 5,500 telecommunication sites worldwide and has never had an issue with ice falling on individuals or cars, inside or outside of their telecommunication tower compounds.

5. "We find it very upsetting that the federal government (in Ottawa) has the final say over what goes on (or up) in our own backyards here in Peterborough." "We find the prospect that companies from other cities can come into our neighbourhood and tell us that we have to accept something that we very much oppose, and have the federal government potentially approve this, to be very disturbing."

We can assure you that your comments, with respect to the current process for communication tower siting, will be forwarded to the City of Peterborough and Industry Canada for consideration. As you might know we do not have no control over the current process, however we are required to follow it.

6. "There is a teaching environmental area to the immediate east of the tower. Monopole towers have fallen over in the past. Vandalism is problem with easy accessible towers, personally have experience with latter (bullet holes, rolled military razor replacing normal barbed wire, tower climbing, gruesome...discovery's ect. etc.)" Resident is concerned about the structural safety of the proposed tower near schools and 40 metres from a residential home.

The proposed communication tower is designed and will be built to the highest engineering standards by qualified engineers specializing in communication tower construction. Once built, the proposed tower will be carefully maintained by SBA Canada to ensure that the proposed tower will have the highest structural integrity.

Please note that access to the proposed tower will be controlled with a secure fencing and a locked gate to ensure that only authorized personnel enter the communication facility. The secure fence and locked gate will ensure that there is no vandalism and unauthorized access to the proposed communication tower compound.

Thank you again for taking the time to express your concerns. Should you have any questions or concerns please do not hesitate to contact me.

Yours truly,
THE BIGLIERI GROUP LTD.



Rita Kostyan, B.A.(Hons.), B.U.R.Pl.
Planner

Cc: Caroline Kimble, City of Peterborough
Industry Canada, Eastern Ontario District
Alex Lallitto, SBA Canada (via Email)

Rita Kostyan

To: Art Thansandote
Subject: RE: Proposed cell phone tower at 184 Marina Blvd., Peterborough, Ontario

From: Art Thansandote [mailto:Art.Thansandote@hc-sc.gc.ca]
Sent: April 27, 2011 12:32 PM
To: [REDACTED]
Cc: spectrum.ottawa@ic.gc.ca; CCRPB-PCRPPC@hc-sc.gc.ca; rkostyan@thebiglierigroup.com; ckimble@peterborough.ca;
[REDACTED]
Subject: Re: Proposed cell phone tower at 184 Marina Blvd., Peterborough, Ontario

Dear [REDACTED]

In response to your email of 2011-04-26, regarding cell towers, we have the following information:

Over the past decade, there has been public and media interest on the safety of exposure to radiofrequency (RF) electromagnetic energy, such as that from wireless devices, including cell phones, cordless phones, cell towers and Wi-Fi equipment. Recent media coverage includes selected reports or opinions from some scientists who have said these devices could pose a health risk. However, these reports/opinions are considered controversial and do not reflect the mainstream view of experts in this subject area.

For your information, the following URLs provide a comprehensive analysis of the recent scientific literature:

1. Report on "Exposure to high frequency electromagnetic fields, biological effects and health consequences (100 kHz - 300 GHz)" by the International Commission on Non-Ionizing Radiation Protection, 2009.
www.icnirp.de/documents/RFReview.pdf

2. Report on "Health Effects of Exposure to EMF" by the European Commission's Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR), 2009.
http://ec.europa.eu/health/ph_risk/committees/04_scenihhr/docs/scenihhr_o_022.pdf

3. "Recent Research on EMF and Health Risks Seventh annual report from SSM:s Independent Expert Group on Electromagnetic Fields 2010" by the Swedish Radiation Safety Authority, SSM.
www.stralsakerhetsmyndigheten.se/Global/Publikationer/Rapport/Stralskydd/2010/SSM-Rapport-2010-44.pdf

Radiofrequency exposures from wireless devices pose no known risks to human health, provided that they comply with Health Canada's Safety Code 6 - *Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz*.

Health Canada's mandate with regard to human exposure to RF energy from wireless devices is to carry out internally funded, unbiased research into possible health effects, monitor the scientific literature related to such effects, and develop exposure guidelines such as Safety Code 6. The Code was last updated in October 2009. The limits specified in Safety Code 6 for public exposure apply to everyone, including children and pregnant women, and allow for continuous 24/7 exposure.

In response to public concerns, Health Canada has posted communication materials on wireless devices on its websites:

Cell Phone Towers
www.hc-sc.gc.ca/ewh-semt/radiation/cons/stations/index-eng.php

Safety of Cell Phones and Cell Phone Towers
www.hc-sc.gc.ca/hl-vs/iyh-vsv/prod/cell-eng.php

Health Canada - Video and text transcript on Wi-Fi
www.hc-sc.gc.ca/ewh-semt/radiation/cons/wifi/index-eng.php

Health Canada - Frequently Asked Questions about Wi-Fi
www.hc-sc.gc.ca/ewh-semt/radiation/cons/wifi/faq-eng.php

Health Canada - It's Your Health: Safety of Wi-Fi Equipment
www.hc-sc.gc.ca/hl-vs/iyh-vsv/prod/wifi-eng.php

Health Canada Statement on Radiofrequency Energy and Wi-Fi Equipment
www.hc-sc.gc.ca/ahc-asc/media/ftr-atl/2010/2010_142-eng.php

Fact sheet on wireless device safety
www.hc-sc.gc.ca/ewh-semt/pubs/radiation/wireless_safe-securit_sansfil-eng.php

As you may be aware, wireless devices are regulated by Industry Canada who enforces compliance of these devices with safety standards outlined in their regulatory documents. The safety standards developed by Industry Canada use part of the human exposure guidelines found in Safety Code 6. If you have questions with respect to compliance of cell towers, we suggest that you contact Industry Canada. Their local district offices are listed on the following website:

www.ic.gc.ca/epic/site/smt-gst.nsf/en/sf01742e.html

I hope this information is helpful.

Sincerely,

Art Thansandote
Chief, Electromagnetics Division
Consumer and Clinical Radiation Protection Bureau
Environmental and Radiation Health Sciences Directorate
Healthy Environments and Consumer Safety Branch
Health Canada

775 Brookfield Road
Ottawa, Ontario K1A 1C1



City of Peterborough

500 George Street North, Peterborough Ontario, K9H 3R9

Planning & Development Services Department - Planning Division
Phone 705-742-7777, ext. 1710, Fax 705-742-5218
email: kpayne@peterborough.ca

May 3, 2011

By Fax: 416-693-9133

The Biglieri Group Ltd.
c/o Rita Kostyan
20 Leslie Street
Toronto, ON M4M 3L4

Dear Mrs. Kostyan:

Re: Application CT-02-11 – 184 Marina Blvd

The Communication Tower application has been circulated to utilities and agencies, as well as, all concerned City departments. The Communication Tower Committee has completed their review of the development proposal, and we have the following comments:

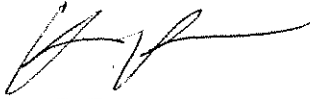
1. The applicant must ensure that lighting levels proposed for the communication tower do not adversely impact neighbouring properties.
2. The applicant shall designate a temporary area on-site for the purpose of construction staff parking and the storage of construction materials and equipment. The parking of vehicles or the storage of construction materials on the adjacent public road allowance is not permitted. This area should be outlined on the plan. We suggest this area be fenced off as not to endanger the general public.
3. The Peterborough Utilities Services Inc. has requested confirmation that this proposed tower will not interfere with their existing licensed towers and communications equipment. Please contact of the Bill Watson, Manager of Engineer Services PUSI, at 705-748-9300.
4. Please see the attached response from the Otonabee Regional Conservation Authority.

5. The guidelines for electromagnetic transmission should be reviewed by the federal government before such transmission towers are located adjacent to elementary school yards and residential areas.

I would be pleased to discuss these comments with you further.

Please complete the revisions, provide the additional information requested, and submit four (4) copies of only the revised drawings. Please respond in writing indicating how each point in this letter has been addressed.

Yours truly,



Keith Payne, P.Eng.
Technologist, Urban Design

Cc: Joel Dubois, Industry Canada Eastern Ontario District
160 Elgin Street, 11th Floor, Suite C-100
Ottawa, ON K2P 2P7



March 30, 2011

Mr. Brian Buchardt, Planner
Urban Design, Planning Division
City of Peterborough
500 George Street North
Peterborough, Ontario
K9H 3R9

Dear Mr. Buchardt:

RE: CT-02-11, The Biglieri Group Ltd, 184 Marina Blvd, ORCA file 2011-SP006

Otonabee Region Conservation Authority has received the notice of application for communication tower for the above noted property. Please be advised that the proposed location of the communication tower is within the floodplain of Bears Creek. ORCA recommends that the proposed communication tower be relocated to an area outside of the floodplain. In addition, the developer should be advised that the location of the proposed development is subject to Ontario Regulation 167/06, this Conservation Authority's Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses.

Yours truly,

A handwritten signature in black ink, appearing to read 'Cara Scrimshaw', with a stylized flourish at the end.

Cara Scrimshaw
Planning & Regulations Officer

copy: ORCA Representatives, Bob Hall, Jack Doris, Mayor Bennett

Site Selection and Justification Report

City of Peterborough

Proposed Communication Tower

184 Marina Blvd
City of Peterborough

Prepared For: City of Peterborough

Prepared By: The Biglieri Group Ltd. on behalf of SBA Canada

February 2011



BUILDING YOUR IDEAS - INTO BIG PLANS

THE BIGLIERI GROUP LTD.

PLANNING, DEVELOPMENT & PROJECT MANAGEMENT CONSULTANTS



Site Selection and Justification Report

Proposed Communication Tower

184 Marina Blvd,
City of Peterborough

Prepared For: City of Peterborough

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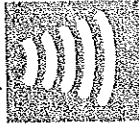
20 Leslie Street, Suite 121, Toronto, Ontario M4M 3L4

Telephone: 416-693-9155 Facsimile: 416-693-9133

tbg@thebiglierigroup.com

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1.0 INTRODUCTION

Wireless services, such as mobile phones and broadcasting, are increasingly consumed by and important to Canadians. The services are used daily by consumers, business people, police, fire fighter and ambulance services, as well as government, air navigation systems and national defence.

For wireless to work effectively and meet demand, antenna systems composed of towers and rooftop sites are required to deliver services to a given coverage area. Industry Canada, the federal government department which regulates the deployment of antenna systems, including towers, encourages the building of multi-tenant towers and antenna site sharing.

SBA's business is built on sharing.

SBA currently owns 9,112 towers and manages 5,500 telecommunication sites worldwide. As Canada's focused and independent tower company, SBA has over 400 towers and managed sites across Canada. These are promoted and offered to all radio network users, including mobile phone operators, broadcasters, police services, utilities and municipalities.

SBA is committed to bringing customers the very best in tower and antenna site services. They operate in accordance with all applicable policies, work hard to maintain effective community liaisons, and want to be closely involved with all stakeholders as we go forward.

The Biglieri Group Ltd. has been retained by SBA Canada to coordinate the planning applications and approvals necessary to permit the proposed communication tower siting and to prepare this Site Selection and Justification Report in support of the proposed communication tower.



2.0 PURPOSE OF SBA'S PROPOSAL

There is ever-growing consumer demand for wireless products in Canada. Additional mobile operators are bringing attractive new choices for consumers, and new technologies allow for a richer, "high speed" wireless experience (indeed, we are all witnessing the rapid advances in mobile data allowed by "smart phone" devices such as RIM's Blackberry and Apple's iPhone).

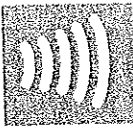
To support these new and improved services, additional antenna sites and communications facilities are often necessary at specific geographical locations. SBA is continually seeking to augment their portfolio in order to provide quality antenna site services to wireless operators, who in turn can introduce or improve their network capabilities for the benefit of a community's residents and businesses.

SBA has identified the northwest corner of Marina Blvd and Royal Drive, within the City of Peterborough as an area in need of new wireless infrastructure in order to support the requirements for improved service and additional mobile service providers. To accomplish this, they have applied to build a new communications tower.

SBA has worked to identify an acceptable tower location that will provide improved wireless coverage. To that end, the purpose of this document is to provide further information about SBA's proposed tower, the technical details of the proposal, and SBA's efforts to find an appropriate location near the intersection of Marina Blvd and Royal Drive in the City of Peterborough.

3.0 JURISDICTION

The Federal Government has exclusive jurisdiction over the installation or modification of antenna systems in Canada. Industry Canada is the approval authority for proposed communication facilities but, in an attempt to involve local municipalities in the siting process, requires that proponents of telecommunication facilities consult with the Local

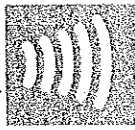


Land-use Authority as part of their licensing process. The legislative requirement to consult can be found in Industry Canada's document, Client Procedure Circular (CPC), "Radiocommunication and Broadcasting Antenna Systems" CPC-2-0-03, Issue 4, dated January 1, 2008. The purpose of the consultation with the Local Land-use Authority, according to the CPC, is to ensure that land-use authorities are aware of significant antenna structures and/or installations proposed within their local surroundings. It should be noted that the Federal Government has exclusive jurisdiction with respect to Communication Tower Siting. General information relating to antenna systems is available on Industry Canada's Spectrum Management and Telecommunications website <http://strategis.ic.gc.ca/antenna>.

SBA Canada is committed to consultation with the local Land-use Authority. In this case the City of Peterborough has an existing draft *Communications Facility Policy* (TFP) as identified in the draft policy document entitled *Telecommunication Structures Procedure*. This Justification Report is intended to provide the necessary information as required by the aforementioned draft municipal procedure for the City of Peterborough to review and provide a Letter of Recommendation.

4.0 SITE JUSTIFICATION

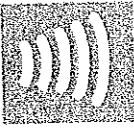
Two of the most important parts of a radio communication system are the antenna and the tower. The antenna is essential as it sends and receives signals from the radio station. The tower allows the antenna to be raised above obstructions such as trees and buildings to ensure that it can clearly send and receive communication signals. Each radio station and its antenna system (including the tower) provide radio coverage to a specific geographic area, often called a cell. Telecommunication providers must ensure that antenna systems are carefully located and that they provide a clear signal over the whole cell area, without interfering with other stations.



If the station is part of a radio telephone network, the number of stations needed also depends on how many people are using the network. If the number of stations is too small, people may not be able to connect to the network, or the quality of service may decrease. As demand increases for mobile phones and new telecommunication services, additional towers are required to maintain or improve the quality of service to the public.

SBA Canada, in conjunction with the anchor tenant, Wind Mobile, has determined that Wind Mobile's new network deployment will need communication towers in the City of Peterborough, to provide continuous coverage and service to Wind Mobile's customer base in the area centered on Marina Blvd and Royal Drive. Given this ideal location, a field agent searched the area (within a 500 metre radius) for potential candidates who are interested in leasing a portion of their land to SBA Canada for the purposes of communication tower siting. In order to provide high quality of service to the public, the proposed communication tower must be located within a 500 metre radius of the ideal location, as there is a limit to how far radio waves can travel while still being consistent. Once the requirement for a new communication tower has been determined the site selection process involves the evaluation of the radio frequency characteristics of an area, based on characteristics such as terrain, existing structures, the number of subscribers, distance from existing sites and the availability of a landlord to lease the land.

In SBA's search for antennas system solutions in the local community, the suitability of existing infrastructure (other towers, rooftops, and taller structures) was reviewed in detail. Existing communication structures in the local area of the proposed communication tower ideal location include the Telus silo, located approximately 1.2 kilometres to the southwest, the Rogers lattice tower located approximately 1.74 kilometres to the southeast, and the Telus tripole located approximately 1.72 kilometres to the southeast. For the wireless demands and coverage needs, it was determined that other infrastructure was either not available or could not be used. Also, please note that there are no existing communication towers within the 500 metre radius search area.



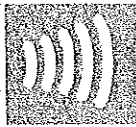
Based on the investigation into signal strength and where towers are needed to be located in order to deploy a successful network, it was determined that 184 Marina Blvd, Peterborough, represents the most preferred location for the new communication tower given its location within the context of other existing and proposed communication towers and other antenna locations. Throughout the site selection process, special care has been taken to maximize distance from existing residential dwellings, while maintaining the function of the existing commercial plaza.

It is the intention of SBA Canada to build communication towers where more than one tenant will be locating, in order to promote co-location. The proposed communication facility will allow for future sharing opportunities with various telecommunication providers. The new communication tower will allow for the co-location of up to four (4) telecommunication providers. The construction of a telecommunication facility that permits co-location will eliminate the need for any additional communication towers within the surrounding area.

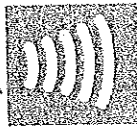
The following table summarizes how the proposed communication tower will address the municipal policies.

Figure 1: City of Peterborough's Site Selection Guidelines and SBA's Response

	CITY OF PETERBOROUGH'S SITE SELECTION GUIDELINES	SBA'S RESPONSE
1	Minimizing the overall number of sites required within the City.	The proposed communication tower will allow for the co-location of up to 4 telecommunication providers and this will minimize the need for any additional communication towers within the surrounding area.
2	Utilizing existing support structures located on lands not zoned to permit residential use and on lands at least 120 metres outside of lands zoned to permit residential use.	There are no existing tall structures within the identified search area that would be appropriate for an alternative tower structure. The proposed communication tower will be located on a property zoned for Special Purpose Commercial uses, with no residential uses permitted. SBA Canada has taken



		special care to maximize distance from existing residential dwellings, while maintaining the function of the existing commercial plaza. The proposed communication tower will be located approximately 40 metres of the nearest residential dwelling to the north; approximately 300 metres of the nearest residential dwelling to east; approximately 176 metres of the nearest residential dwelling to south; approximately 85 metres of the nearest residential dwelling to west.
3	Size and configuration that will allow for flexibility in the orientation of the telecommunication structure.	The diameter of the proposed monopole at the base of the tower is approximately 1.5 metres, allowing for flexibility in the placement of the tower.
4	Appropriate landscaping and screening.	Landscaping will be provided to the north and east side of proposed compound for screening purposes.
5	Maximizing distance from lands zoned residential.	SBA Canada has taken special care to maximize distance from existing residential dwellings, while maintaining the function of the existing commercial plaza.
6	Maximizing distance from environmentally sensitive land use areas.	SBA Canada has made every effort to maximize the proposed compound's distance from environmentally sensitive land uses, while maintaining the function of Northcrest Plaza.
7	Maximizing distance from listed heritage buildings and sites.	The proposed communication tower will not be located in the vicinity of listed heritage buildings and sites.
8	Avoiding lands containing sites located within Parks and Open Space Areas (with the exception of sites zoned to permit utilities).	The proposed communication tower will not be located within Parks and Open Space Areas.
9	Avoiding sites of topographical prominence.	The proposed communication tower is not located in an area of topographical prominence.
10	Avoiding sites that would obscure public views and vistas of important natural or cultural Significance.	The tubular design of the proposed tower and its resemblance to flagpoles will mitigate any impact public views. The proposed tower will not obscure public views and vistas of important natural or cultural significance.



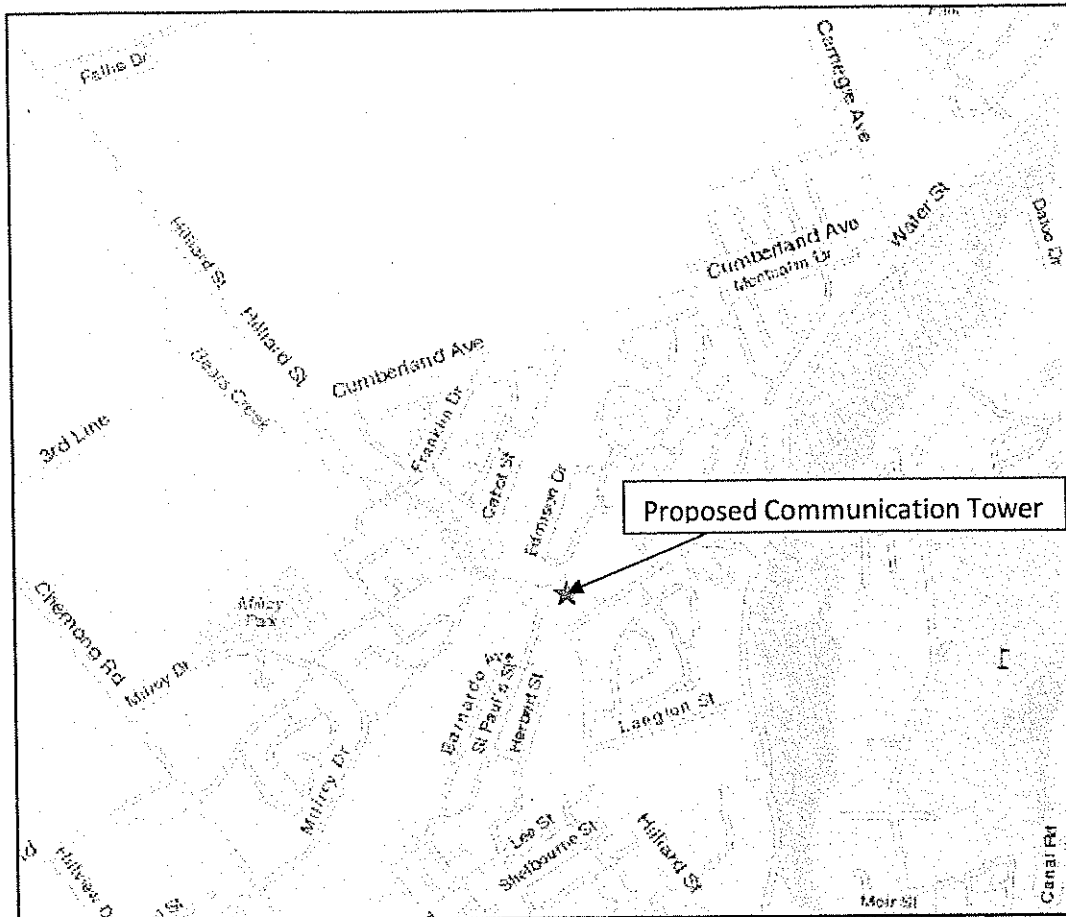
11	Avoiding natural hazards.	The proposed communication tower will avoid natural hazards, as per the Floodline Impact Brief prepared by D.M. Willis Associates Limited. Although the proposed communication tower will be located within the flood plain of Bears Creek, D.M. Willis Associates has found that the proposed communication facility will cause no change in the regulatory water surface elevations immediately upstream or downstream of the proposed compound.
12	Ensuring compatibility with adjacent uses.	The proposed monopole tower will look, similar to a flag pole in shape, with its vertical tubular shape, colour, and appearance. The slim, tubular design of the proposed tower will minimize visual impact and will be compatible with the context of the surrounding area.
13	Access for maintenance purposes.	Access to the leased area will be through a 7.1 metre wide access and utility easement from Hilliard Street.

5.0 SITE LOCATION

The proposed communication tower is located on the northeast corner of Hillard Street and Marina Blvd, west of Royal Drive. The proposed communication facility will be located at 184 Marina Boulevard in the City of Peterborough (Subject Site), on the northeast corner of Northcrest Plaza. The Subject Site is currently zoned as Special Purpose Commercial.



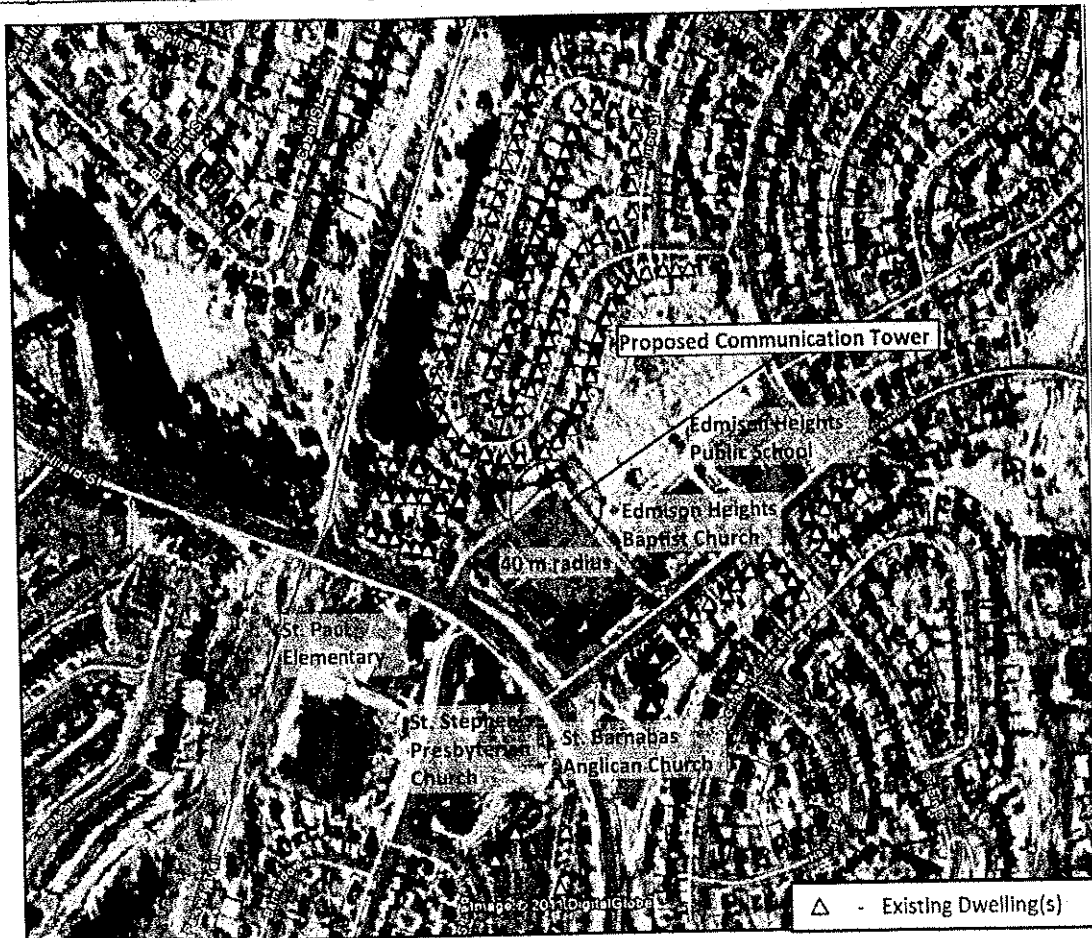
Figure 2: Site Location Map



Mapquest, 2010

The Subject Site is surrounded by Institutional uses to the east, south and southwest. Residential uses are located to the north, west and southeast of the proposed communication tower.

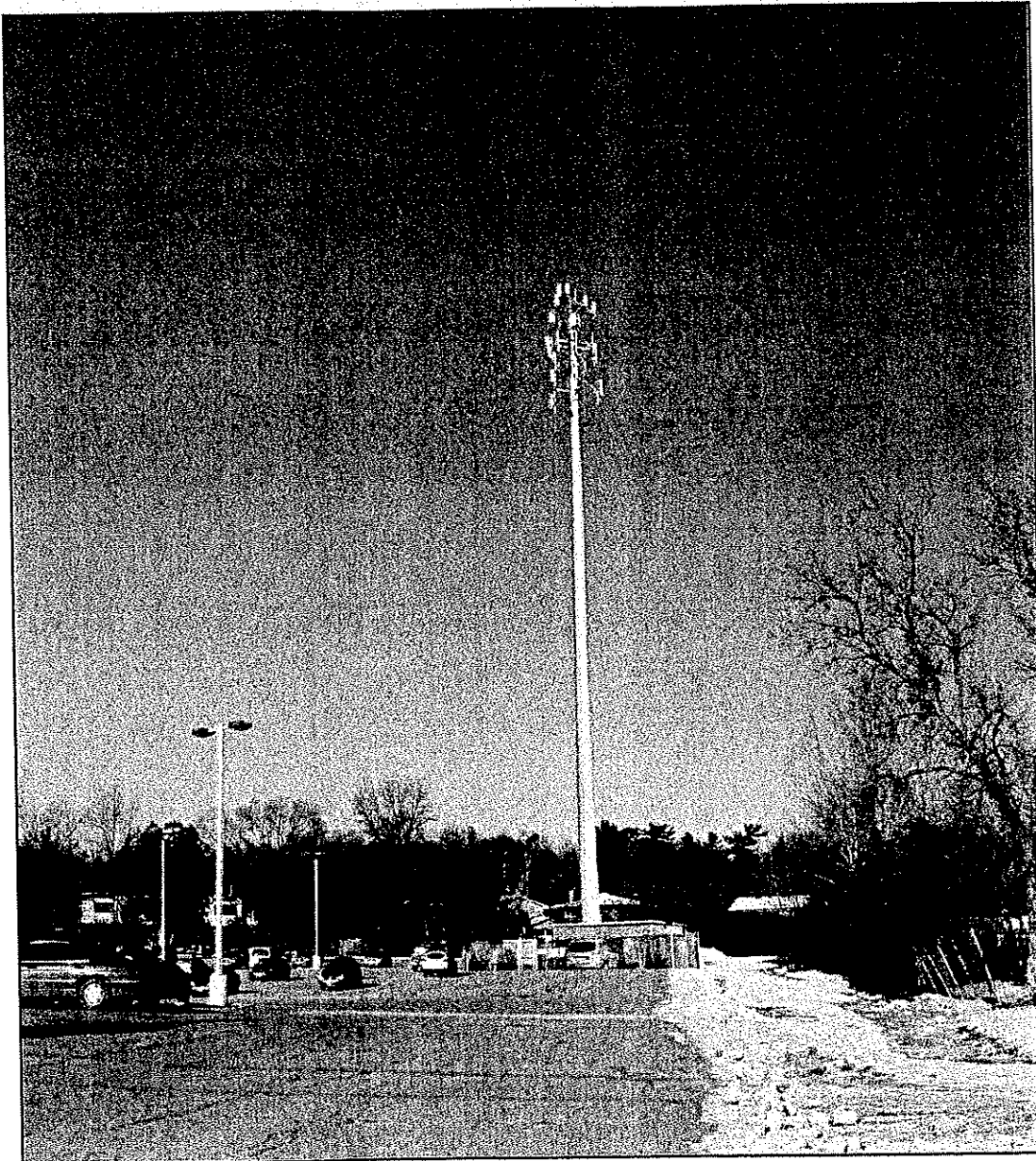
Figure 3: Orthophoto Indicating Distance to Nearest Residential Dwelling



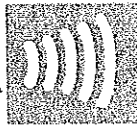
The proposed communication tower will be located approximately 40 metres away from the nearest residential dwelling (see Figure 3). SBA Canada has made every effort to locate the proposed tower as far away from existing residential dwellings as possible while ensuring that the tower location will provide cellular customers with continuous coverage and maintaining the function of the existing commercial plaza.

The proposed communication tower will be located in the northeastern portion of the Subject Site within a 20 metre by 12 metre leased parcel (see Figure 4). Access to the leased parcel will be through an existing access road from Hillard Street.

Figure 5: Photograph of Subject Site with Monopole Tower Superimposed

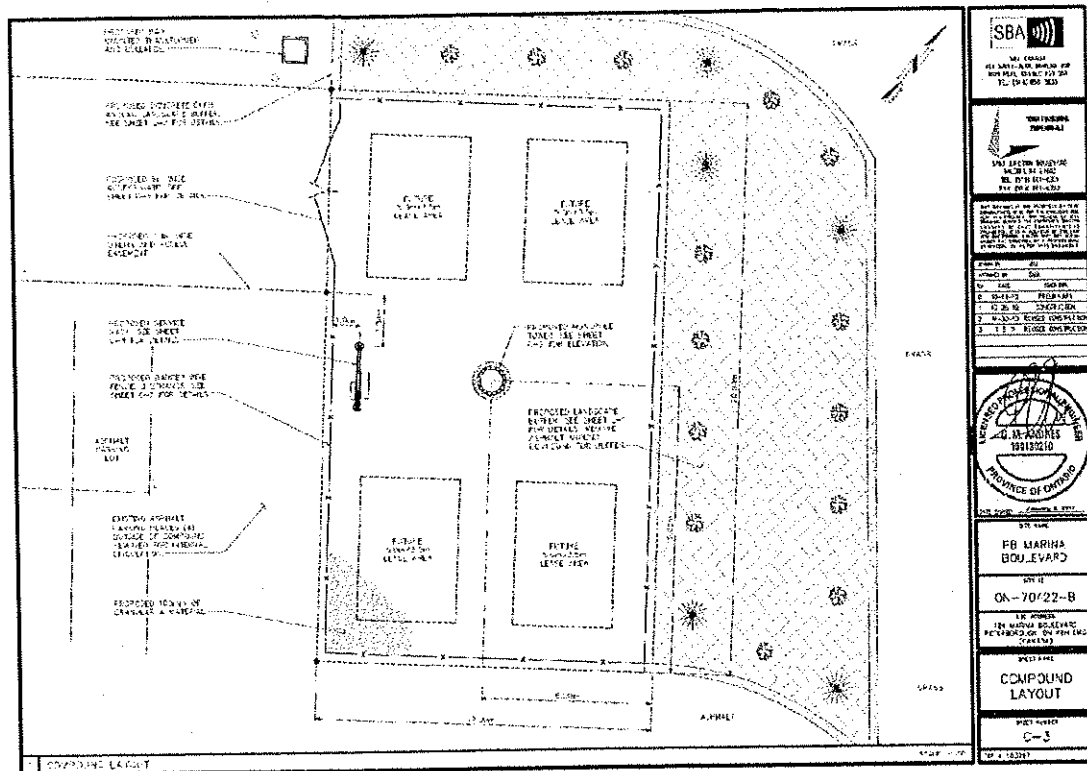


Access to the site will be further controlled through secure fencing and a locked gate. The entire communication facility compound, 11.4 metres by 19.4 in size, will be located on a leased area measuring 20 metres by 12 metres, which will not have a significant impact on the existing commercial uses of Northcrest Plaza. The proposed compound



has been strategically located in the northeast corner of the existing commercial plaza to minimize impact on the traffic circulation and parking.

Figure 6: Proposed Compound Layout

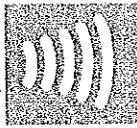


7.0 ATTESTATION TO COMMUNICATION TOWER QUALITY

SBA attests that the proposed tower structure will be designed to CSA specification S37-01, *Antennas, Towers & Antenna Support Structures* and shall be fabricated & erected by Canadian companies that adhere to CSA fabrication & safety standards.

8.0 COMPLIANCE WITH HEALTH CANADA'S SAFETY CODE 6

SBA attests that the wireless communications facility described in this consultation 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.

9.0 FEDERAL AERONAUTICAL CLEARANCES

NAV Canada and Transport Canada are the federal agencies responsible for determining the impact of tall structures on air navigation systems. These federal agencies also determine whether any marking/lighting requirements are necessary to proposed structures. The proposed communication tower will meet all necessary aeronautical obstruction marking requirements, including painting and lighting, as instructed by Transport Canada and NAV Canada, per standard TP-382/CAR 621.19.

All necessary applications have been submitted to Transport Canada and NAV Canada on behalf of SBA Canada.

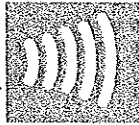
10.0 CANADIAN ENVIRONMENTAL ASSESSMENT ACT

It is our understanding, based on our pre-consultation meeting with Municipal staff and Conservation Authority staff that no environmental assessment is required under the Canadian Environmental Assessment Act.

11.0 CONCLUSION

SBA Canada has conducted a thorough and comprehensive investigation of potential sites for new communication antennas and has determined that a new communication tower is necessary since there are no suitable alternative structures (e.g. rooftops, flag poles) in the vicinity of Marina Blvd and Royal Drive in the City of Peterborough. The tower shall be a slim, white monopole, similar to a flag pole, which minimizes its visual impact.

Throughout the site selection process, SBA Canada has taken special care to ensure that




the proposed tower is strategically located to maximize the distance to all existing residential dwellings in the surrounding area, while ensuring that the quality of signal strength is maintained. In locating the proposed communication tower, SBA Canada also ensured that the traffic circulation and parking of the existing plaza remained functional.

Overall, the proposed communication tower will benefit the residents and businesses in the City of Peterborough by improving mobile communication service in the area. The proposed communication tower will not have a significant negative impact on vistas, existing uses, or natural heritage features.

We trust you will find all in order, however if you have any questions or require further information, please do not hesitate to contact the undersigned.

Respectfully submitted,
THE BIGLIERI GROUP LTD.


Anthony Biglieri, MCIP, RPP
Principal


Rita Kostyan, B.A. (Hons.), B.U.R.Pl.
Planner