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June 20, 2019

VIA EMAIL [SOLSON@YOUNGSOMMER.COM]

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Re: Verizon Wireless Applications for Small Cell Wireless  
Telecommunication Facilities in the City of Beacon  
(110 Howland Avenue)

Dear Scott:

After Monday's public hearing on Verizon's application to install a small cell wireless facility at 110 Howland Avenue and after the meeting, a question was raised by a City Council member to me as to whether the height of the support structure can be reduced to a height less than the proposed height. As currently proposed, the wood pole is to be installed at a height of 52 feet, with the centerline of the proposed antennas to be located at a height of 50 feet. Please examine and advise the Council as to the lowest height 1) the pole and 2) the antennae can be installed that would still accomplish Verizon's objections. The City Council is looking for an answer to this question before it makes a final determination on the application and prior to its review of this matter at Monday night's work session, if that is possible.

The City Council is aware that its consultant, HDR requested an alternate height coverage map for antennas at a centerline height of 40 feet, compared to the 50 foot height proposed. This alternate height coverage map demonstrated that coverage is diminished at the 40 foot centerline height. However, the additional information provided by Verizon at that time failed to shed any light on whether Verizon could achieve adequate coverage if the antennas are installed at a centerline height greater than 40 feet but less than 50 feet and a corresponding reduction in the height of the pole.

Based on initial discussions with Mike Musso from HDR, it is believed that the antenna height may be able to be reduced down from the 50 ft. centerline without impacting coverage and capacity objectives. However, we understand Verizon needs to assess its network capability and complete a technical review (RF analysis) to

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determine if a decrease in antenna height is feasible. The City Council requests Verizon complete the required analysis and provide additional alternate height coverage maps for antennas mounted at varying centerline heights ranging between 41 and 50 feet to determine and demonstrate what the maximum lowest height could be to achieve Verizon's network objectives. We believe that for consistency in the application filings, it is best for Verizon's RF engineers to create the alternate height coverage maps and associated narrative on this height analysis. However, if Verizon does not want to provide the City with this information, the City will ask HDR to provide guidance on this issue, and opine on whether decreasing the pole and antennas – even by a few feet – appears feasible.

Very truly yours,



Nicholas M. Ward-Willis

NMW/

ecc: Anthony Ruggiero, City Administrator  
John Clarke, City Planner  
Michael Musso, Consulting Engineer