

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
APPLICATION OF CELLCO PARTNERSHIP : DOCKET NO. 415
D/B/A VERIZON WIRELESS FOR A :
CERTIFICATE OF ENVIRONMENTAL :
COMPATIBILITY AND PUBLIC NEED FOR :
THE CONSTRUCTION, MAINTENANCE :
AND OPERATION OF A WIRELESS :
TELECOMMUNICATIONS FACILITY AT 87 :
WEST QUASSET ROAD, WOODSTOCK, :
CONNECTICUT : SEPTEMBER 20, 2011

PRE-FILED TESTIMONY OF CARLO F. CENTORE

Q.1. Please identify yourself and describe your position.

A. My name is Carlo F. Centore and I am a professional engineer and Principal with the firm Centek Engineering, Inc. in Branford, Connecticut. I have over 30 years of experience in project engineering, structural engineering and construction. I have been responsible for the planning, design and construction of more than 3,000 wireless telecommunications facilities in Connecticut and Massachusetts.

I am the project engineer, working with Cellco Partnership d/b/a Verizon Wireless (“Cellco”) on the Siting Council’s Docket No. 415 application. I am primarily responsible for all aspects of project design and site engineering.

Q.2. Have you analyzed the structural integrity of the existing American Tower Corporation (“ATC”) lattice tower at 87 West Quasset Road in Woodstock, CT?

A. Yes. As discussed briefly at the Council’s May 26, 2011 hearing, ATC currently maintains a 140’ lightweight lattice tower in the southeast corner of the 30 acre parcel at 87 West

Quasset Road in Woodstock (the “Property”). Cellco maintains two 10-foot whip antennas attached near the top of the ATC tower. Based on a fairly cursory review of the structure, I testified, based on my experience, that the ATC tower would not meet current structural standards for Cellco’s existing antenna load on the tower. I also stated that the existing tower would be equally unsuitable for use by other wireless carriers, especially those using “point to point” communications, like Clearwire.

Since the May 26, 2011 hearing, I have had an opportunity to complete a more thorough structural analysis of the ATC tower. This analysis confirms my previous testimony that the existing lightweight lattice tower and foundation, with Cellco’s existing antenna loads does not meet current structural standards. Five (5) copies of the Structural Analysis for the ATC tower are submitted as a bulk file attachment to this testimony.

Q.3. Could the existing lightweight lattice tower be modified so that it might be capable of supporting a full sectorized array of Cellco antennas or antennas of any other carriers?

- A. It is possible, I suppose, to design a modification package that could bring the existing tower and foundation “up to code” and usable by Cellco and other carriers. This would require the design of an exoskeleton to the existing tower and an expansion of the existing foundation. In short, it would be necessary to construct a tower to support the existing failing tower. These types of modifications are impractical due to difficulty of construction and related high expense. It would be easier, at this point, to simply rebuild the tower. It would appear that ATC came to the same conclusion in early 2006 when it developed plans to construct a new monopole tower just north of its existing lattice tower. (See Project Plans dated 2/13/06 prepared by Infinigy Engineering filed by ATC with the Council on June 27, 2011 and again on July 26, 2011 (the “ATC Plans”)).

Q.4. Please provide a general description of the alternative Woodstock tower site described in the 2/13/06 plans prepared by Infinigy Engineering?

- A. According to the ATC Plans, ATC is considering building a 140-foot tall monopole tower approximately 20 feet north of its existing light weight lattice tower, in the southeast corner of the Property. The tower would be located 20 feet from the southerly property line and 85 feet from the easterly property line along West Quasset Road. The fall radius of the 140' tower would extend onto the residential property to the south, approximately 120 feet and to the east, approximately 55 feet, and across West Quasset Road. There are two residential structures within 300 feet of the ATC tower. The residence owned by Richard T. Carr is located approximately 280 feet south of the alternative ATC tower location. The residence owned by Sharon S. Anderson is located approximately 235 feet east of the alternative ATC tower location.

For comparison purposes, the proposed Cellco tower site is located more than 380 from the nearest property line (to the north) and approximately 820 feet from the closest residence owned by Richard Carr at 99 West Quasset Road.

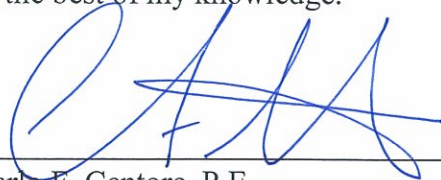
Contrary to information included on the ATC Plans and information contained in the ATC limited appearance filing dated June 27, 2011, the ground elevation at the ATC alternative tower location is 684 feet AMSL, not 740 feet AMSL. The ground elevation at Cellco's proposed tower site is 692 feet AMSL, is approximately 8 feet higher than the ground elevation at the ATC alternative tower site.

Q.5. Does this conclude your testimony?

- A. Yes.

The statements above are true and complete, to the best of my knowledge.

9.16.2011
Date


Carlo F. Centore, P.E.

Subscribed and sworn before me this 16th day of SEPTEMBER, 2011.


Notary DANIEL DURKEE

DANIEL E. DURKEE
NOTARY PUBLIC
MY COMMISSION EXPIRES JULY 31, 2015



CERTIFICATION

I hereby certify that on this 20th day of September, 2011, a copy of the foregoing was sent, postage prepaid, to the following parties and intervenors:

Brandon Ruotolo, Zoning Attorney
American Tower Corporation
10 Presidential Way
Woburn, MA 01801


Kenneth C. Baldwin