

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE: :  
: :  
A PETITION OF CELLCO PARTNERSHIP : PETITION NO. 1526  
D/B/A VERIZON WIRELESS FOR A :  
DECLARATORY RULING ON THE NEED TO :  
OBTAIN A SITING COUNCIL CERTIFICATE :  
FOR THE INSTALLATION OF A WIRELESS :  
TELECOMMUNICATIONS FACILITY AT :  
1300 HALL BOULEVARD, BLOOMFIELD, :  
CONNECTICUT : AUGUST 3, 2022

**RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS  
TO CONNECTICUT SITING COUNCIL INTERROGATORIES**

On July 20, 2022, the Connecticut Siting Council (“Council”) issued Interrogatories to Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to Petition No. 1526. Below are Cellco’s responses.

Question No. 1

What is the estimated cost of the proposed project?

Response

Cellco estimates the cost of its cell site radio equipment (\$150,000), Construction Contract and equipment installation (\$170,000), and miscellaneous electrical and fiber installation (\$30,000) at the proposed facility to be approximately \$350,000.

Question No. 2

What are the proposed construction work days/hours?

Response

Cellco’s proposed construction hours are would be 7 a.m. to 5 p.m. Monday through Saturday.

Question No. 3

What is the estimated duration for construction?

Response

Cellco estimates that construction of this facility would be completed in 4-6 weeks.

Question No. 4

Does the proposed facility have a backup power source? If yes, provide detail/run time/fuel source. (The structural analysis mentions a battery – the site plans include a note for a conduit connection to a building source).

Response

Yes. Backup power to this rooftop tower facility would be provided by a battery cabinet located on Cellco's rooftop equipment platform. The batteries would provide power to the facility for 4-8 hours depending upon loading.

Question No. 5

Referencing Site Plan Sheet A01, the note for the structural steel framed equipment platform states exact framing details will be determined at a later date. Was this frame accounted for in the structural analysis?

Response

The proposed steel equipment frame/platform has been accounted for in the structural analysis dated June 2, 2022. The deferment in question simply refers to the fact that further details of the proposed frame/platform (i.e. construction level details describing how to build the platform) are to be provided as a part of the final construction drawings.

Question No. 6

Identify the safety standards and/or codes applicable to operation of the equipment,

machinery or technology at the proposed facility.

Response

- 2015 International Building Code with the 2018 CT Building Code Amendments.
- National Electric Code (NFPA70).
- 2018 CT State Fire Safety Code.
- TIA-222-G-4 “Structural Standards for Steel Antenna Towers and Antenna Supporting Structures”.
- Occupational Safety and Health Administration (OSHA).

Question No. 7

Is the proposed rooftop tower capable of hosting antennas and equipment of other entities?

Response

No. This site is designed for a single carrier, in this case, Cellco.

Question No. 8

What is Cellco’s existing and predicted coverage footprint from the proposed site (in square miles), at each frequency that would be installed?

Response

The table below includes the predicted coverage footprint at Cellco’s operating frequencies from the proposed Bloomfield 4 facility. Since there is no existing site at the Property there is no existing coverage to calculate.

Antenna Height (AGL)	700 MHz Coverage in square miles		850 MHz Coverage in Square Miles		1900 MHz Coverage in Square Miles		2100 MHz Coverage in Square Miles		3550 MHz Coverage in Square Miles		3700 MHz Coverage in Square Miles	
	RSRP -85 dBm	RSRP -95 dBm	RSRP -85 dBm	RSRP -95 dBm	RSRP -85 dBm	RSRP -95 dBm	RSRP -85 dBm	RSRP -95 dBm	RSRP -85 dBm	RSRP -95 dBm	RSRP -85 dBm	RSRP -95 dBm
86 Feet	1.786	6.638	1.476	5.331	0.363	1.509	0.18	0.88	0.042	0.199	0.551	1.445

Question No. 9

Would the proposed site be needed for coverage, capacity, or both? Explain.

Response

The proposed Bloomfield 4 facility will offer both coverage and capacity benefits to the Cellco network. The proposed cell site will help fill existing coverage gaps along Route 218 to the north and Route 185 to the south of the proposed facility. The site will also increase network capacity needed to serve existing tenants in the office building on the Property. In addition, due to the impending expiration of its lease with the University of Hartford (“UH”), Cellco’s existing facility at 200 Bloomfield Avenue will need to be decommissioned shortly. The proposed Bloomfield 4 site will help replace a portion of the wireless service lost when the UH site is decommissioned.

Question No. 10

Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?

Response

Yes. No additional equipment is required to provide these services.

Question No. 11

Would Cellco’s antennas comply with federal E911 requirements?

Response

Yes.

Question No. 12

Would Cellco's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?

Response

Yes.

Question No. 13

What is the maximum wind speed tolerance for antennas on the proposed tower?

Response

The wind speed used in the analysis is a 105 mph Basic (Nominal) wind speed.

Question No. 14

How would the atrium (glass roof) be protected from damage if the antennas or other associated equipment installed on the tower collapses or becomes dislodged?

Response

The antenna attachment points are designed for the maximum survivability wind load of the antenna, which exceed the design wind load. If properly installed during construction, it is not expected that the antennas or ancillary equipment will become dislodged from the mounting frame.