



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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DRAFT

Petition No. 1430 **Cellco Partnership d/b/a Verizon Wireless** **54 Meadow Street, New Haven**

Staff Report
November 23, 2020

Introduction

On August 26, 2020, the Connecticut Siting Council (Council) received a petition from Cellco Partnership d/b/a Verizon Wireless (Cellco) for a declaratory ruling pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed modifications to its existing wireless telecommunications facility on the roof of a building located at 54 Meadow Street, New Haven, Connecticut.

On August 26, 2020, Cellco provided notice of the project to abutting property owners and City of New Haven (City) officials.

On August 27, 2020, the Council sent correspondence to the City stating that the Council has received the petition and invited the municipality to contact the Council with any questions or comments by September 25, 2020. No comments have been received.

The Council issued interrogatories to Cellco on October 22, 2020. Cellco provided responses to the Council's interrogatories on October 26, 2020.

Existing Facility

On April 1, 1991, the Council approved the existing facility in Docket No. 140. Cellco currently maintains 12 antennas located on the façade of the rooftop penthouse of the building owned by Gateway Partners LLC located within a BE Wholesale and Distribution zone. MCM Holdings LLC manages the facility for the property owner.

Cellco's existing equipment is located in an equipment room inside the building.

The host building is an office building. Surrounding land use includes New Haven Police Department Headquarters to the east, the New Haven Train Station and a parking garage to the south, a commercial building owned by the Knights of Columbus to the north and vacant land along South Orange Street to the west.

Proposed Facility

Cellco proposes to remove nine existing antennas (leaving three antennas) and install 12 new antennas and 10 remote radio heads at various locations on the roof of the building. Three of the existing antennas would remain on the façade of the rooftop penthouse. Four new antennas would be attached to the penthouse

façade. Two existing antennas and four new antennas would be attached to the existing mechanical screen wall in the northwest corner of the building rooftop. One existing antenna and one new antenna would be attached to the building façade on the southeast corner of the building.

Cellco would provide wireless services in the 850 MHz, 1900 MHz, 2100 MHz and 28 GHz frequency ranges. The facility would provide 5G services in the 850 MHz, 2100 MHz and 28 GHz frequency bands.

Emergency backup power is supplied by the facility's existing battery backup power system and is connected to the building's backup generator. No change to backup power is proposed. Commercial Mobile Radio Service (CMRS) providers are licensed by and are under the jurisdiction and authority of the Federal Communications Commission (FCC). At present, no standards for backup power for CMRS providers have been promulgated by the FCC. Every year since 2006, AT&T, T-Mobile and Verizon have certified their compliance with the CTIA Business Continuity/Disaster Recovery Program and the Communications Security, Reliability and Interoperability Council standards and best practices to ensure network reliability during power outages.

The proposed installation may be visible from surrounding properties; however, the building currently has multiple antennas and equipment installed on the penthouse façade, therefore, the proposed modifications would not increase visibility of the facility.

The installation would not be a hazard to air navigation and no notice to the Federal Aviation Administration is required.

A Professional Engineer duly licensed in the State of Connecticut has certified that the existing building and antenna mounting systems are adequate to support the proposed loading.

The highest calculated power density level for Cellco's proposed antennas would be 4.05 percent of the applicable exposure limit established by the FCC at ground level with a -10 dB off-beam adjustment.

Cellco contends that this proposed project would not have a substantial adverse environmental impact.

If approved, staff recommends the following condition:

1. Approval of any project changes be delegated to Council staff.

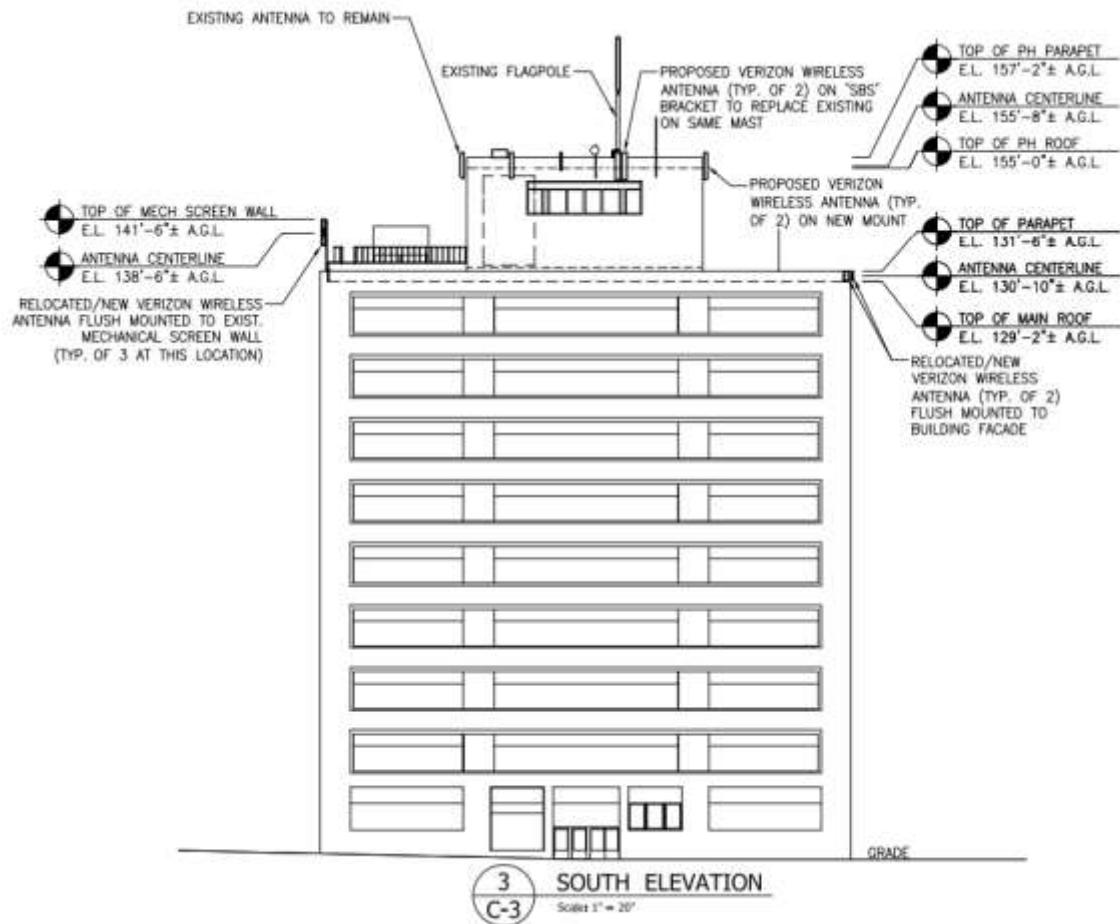


Figure 1. Facility elevation drawing.



Figure 2. Site schematic



Figure 3. Existing facility.



Figure 4. Proposed facility.