

# DRAFT

**Petition No. 1491  
DISH Wireless, LLC  
340 Bloomfield Avenue  
Windsor, Connecticut  
Staff Report  
May 6, 2022**

## **Introduction**

On March 2, 2022, the Connecticut Siting Council (Council) received a petition from DISH Wireless, LLC (DISH) for a declaratory ruling pursuant to Connecticut General Statutes (CGS) §4-176 and §16-50k for proposed modifications to an existing telecommunications facility located at 340 Bloomfield Avenue, Windsor, Connecticut (Petition or Project). Specifically, DISH proposes to co-locate antennas on the existing monopole and install ground equipment within an expanded compound/lease area at the site.

Pursuant to Regulations of Connecticut State Agencies (RCSA) §16-50j-40 on or about January 17, 2022, DISH notified the abutting property owners and Town of Windsor (Town) officials.

On March 3, 2022, the Council sent correspondence to the Town stating that the Council has received the Petition and invited the Town to contact the Council with any questions or comments by April 1, 2022. No comments were received.

The Council submitted interrogatories to DISH on March 22, 2022. DISH submitted responses to the interrogatories on April 21, 2022.

Pursuant to CGS §4-176(e) of the Uniform Administrative Procedure Act, an administrative agency is required to take action on a petition within 60 days of receipt. On April 21, 2022, pursuant to CGS §4-176(e), the Council voted to set the date by which to render a decision on the Petition as no later than August 29, 2022, which is the 180-day statutory deadline for a final decision under CGS §4-176(i).

## **Existing Facility**

The Town approved the facility in 2000. The Council approved shared use of the tower for telecommunications carriers.

The existing 148-foot monopole, owned by Crown Castle, is located on a 4.6-acre parcel owned by the Town that hosts the Windsor Fire and Emergency Management Service building. The site is zoned Public and Quasi-Public (NZ). It is located north of Bloomfield Avenue and east of Interstate 91. The tower is in the fire department parking lot adjacent to a building.

The tower currently supports AT&T at the top, T-Mobile/Sprint at the 139/109-foot levels, and Verizon at the 126-foot level. An approximate 48-foot by 25-foot equipment compound is located at the base of the tower that is enclosed by two fire department buildings, a free-standing wall, and a chain-link fence with an access gate.

### **Proposed Project**

DISH intends to install three 600/1900 MHz antennas and six remote radio units (RRU) on a platform mount at a centerline height of approximately 99 feet above ground level. The proposed antennas would be capable of providing 5G services.

DISH would install its ground equipment on a new 7-foot by 5-foot steel equipment platform by expanding the southeast corner of the compound/lease area by 7.2 feet by 11 feet. The expansion area would be enclosed by an eight-foot-tall chain link fence that matches the existing fence.

Utilities would be installed underground within existing conduits that extend to a utility pole on Bloomfield Avenue.

DISH does not propose backup power (e.g. battery or generator) for this Project.

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.

The estimated cost of the project is \$48,000. Work hours/days would be 8 AM to 5 PM, Monday-Friday.

### **Environmental**

The compound/lease expansion area is in a level paved parking lot. No trees or other vegetation would be removed to develop the site.

The site is not within a flood zone or proximate to any wetlands.

There would be no increase in tower height. The proposed compound expansion would impact a small portion of the existing site that is screened by the buildings. Thus, no substantial adverse environmental or visual impact is expected from the proposed installation.

### **Public Safety**

The Project would be constructed in accordance with the 2017 National Electric Code, 2018 Connecticut State Building Code and the American National Standards Institute “Structural Standards for Steel Antenna Towers and Antenna Support Structures” Revision H using a maximum wind speed of 125 miles per hour.

A Professional Engineer duly licensed in the State of Connecticut has certified that the tower is structurally adequate to support the proposed loading.

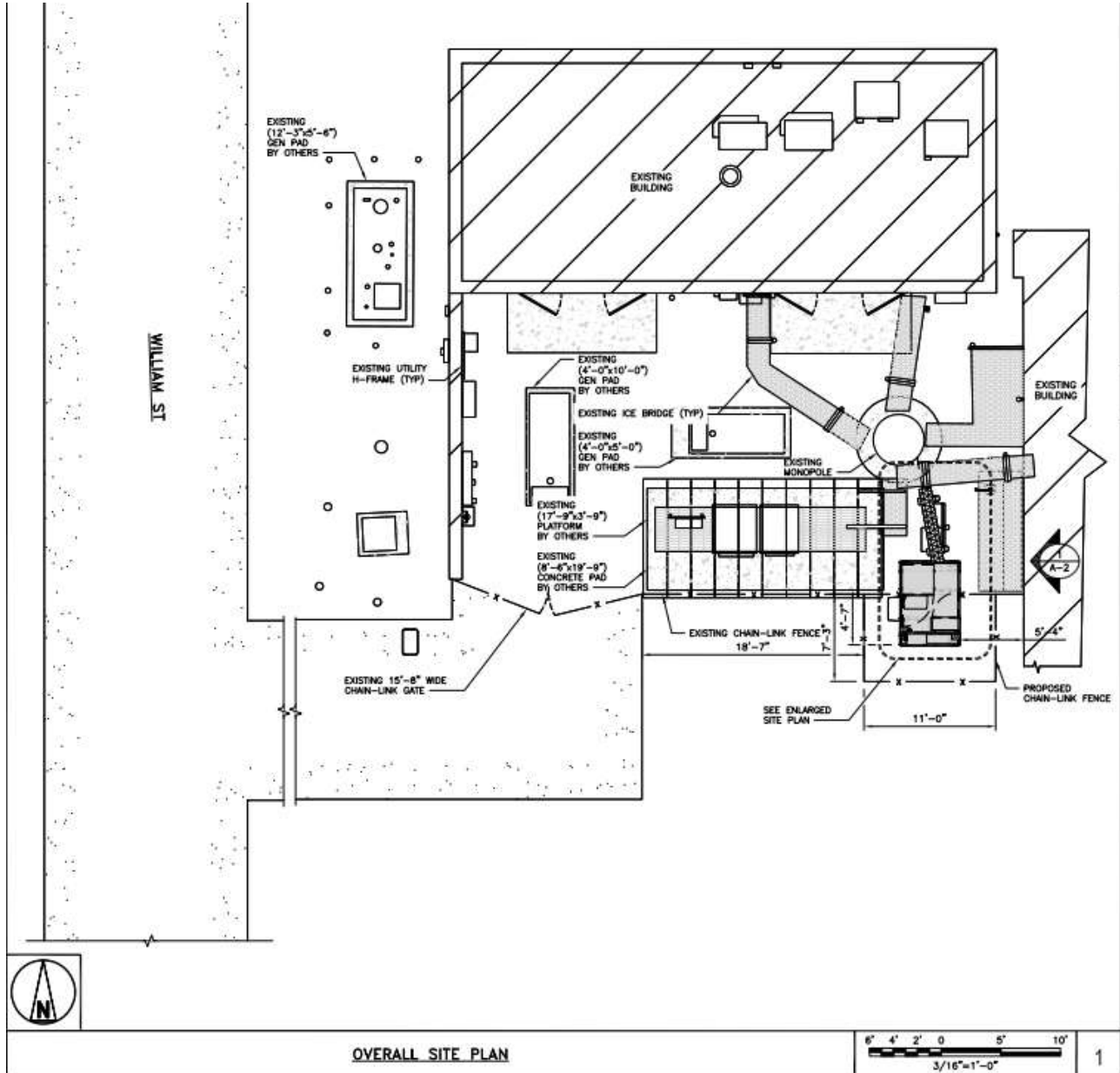
The calculated cumulative power density for the facility after DISH’s installation would be 27.8% of the applicable limit using a -10 dB off-beam adjustment.

### **Conclusion**

If approved, staff recommends the following conditions:

1. Approval of any project changes be delegated to Council staff;
2. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities; and
3. Deployment of any 5G services must comply with FCC and FAA guidance relative to air navigation, as applicable.

## Site Plan



## Tower Elevation

