

Site Search Summary
(Farmington North 2)

Section 16-50j-74(j) of the Regulations of Connecticut State Agencies requires the submission of a statement that describes “the narrowing process by which other possible sites were considered and eliminated.” In accordance with this requirement, descriptions of the general site search process, the identification of the applicable search area and the alternative locations considered for development of the proposed telecommunications facility in Farmington are provided below.

Site Search Process

To initiate its site selection process in an area where a coverage or capacity problem has been identified, Cellco first establishes a “site search ring” or “site search area.” In any search ring or area, Cellco seeks to avoid the unnecessary proliferation of towers and to reduce the potential adverse environmental effects of the cell site, while at the same time maximizing the quality of service provided from a particular facility. These objectives are achieved by initially locating existing towers and other sufficiently tall structures within and near the site search area. If any are found, they are evaluated to determine whether they are capable of supporting Cellco's telecommunications equipment at a location and elevation that satisfies its technical requirements.

Cellco maintains seven (7) existing communications facilities all located within approximately 4.1 miles of Cellco’s Farmington North 2 search area. These existing facilities, however, cannot provide the coverage or capacity relief needed in the identified problem areas, along Route 10 and local roads in the area. (See Attachment 6).

<u>OWNER/OPERATOR</u>	<u>FACILITY TYPE</u>	<u>LOCATION</u>	<u>ANTENNA HEIGHT</u>
1. Avon Water Company	Water Tank	Darling Drive Avon, CT	123’
2. Avon Water Company	Water Tank	24 Ridgewood Road Avon, CT	61’
3. Talcott Mountain Science Center	60-foot Lattice Tower	Talcott Mountain Bloomfield, CT	56’
4. Marlin Tower	346-foot Guyed Lattice Tower	3114 Albany Avenue West Hartford, CT	130’
5. Private Company	Roof-top	1371 Farmington Avenue West Hartford, CT	84’

<u>OWNER/OPERATOR</u>	<u>FACILITY TYPE</u>	<u>LOCATION</u>	<u>ANTENNA HEIGHT</u>
6. UCONN Health Center	Roof-top Tower	263 Farmington Avenue Farmington, CT	131'
7. Sprint	140-foot Monopole	130 Birdseye Road Farmington, CT	110'

If existing towers or structures are not available or technically feasible, other locations are investigated where the construction of a new tower is required to provide adequate elevation to satisfy Cellco's requirements. The list of available locations may be further reduced if, after preliminary negotiations, the property owners withdraw a site from further consideration. From among the remaining locations, the proposed sites are selected by eliminating those that have greater potential for adverse environmental effects and fewer benefits to the public (i.e., those requiring taller towers, possibly with lights; those with substantial adverse impacts on densely populated residential areas; and those with limited ability to share space with other public or private telecommunications entities). It should be noted that in any given site search, the weight afforded to factors considered in the selection process will vary depending upon the availability and nature of sites within the search area.

Identification of the Farmington North 2 Search Area

The purpose of the proposed Farmington North 2 facility is to provide reliable coverage to areas where existing cellular and PCS coverage gaps have been identified in certain northeastern portions of Farmington and southeastern portions of Avon, particularly and primarily along the heavily-traveled Route 10. (See coverage maps provided behind Tab 6 of this Application). The proposed Farmington North 2 Facility will also provide additional traffic handling capacity in the Farmington area by off-loading traffic from Cellco's existing sites in the area. The coverage gaps were identified using best server propagation modeling.

The descriptions of the individual sites investigated, which are set forth below, include sites both inside and out of the Farmington North 2 search area that were analyzed and found to be technically unworkable or unavailable. This is due either to the topography in the area or the overall distance from the investigated site to the search area and adjacent cell sites.

Sites Investigated in the Farmington Area

In addition to the existing communications facilities listed above, Cellco identified and investigated sites described below.

1. Simmons Family Farm – This is an approximately 9.9-acre parcel, owned by the Town of Farmington, located on the west side of Route 10. Cellco and the property owner have entered into a lease agreement for use of the parcel for a tower site. This site is the proposed location for the Farmington North 2 Facility.

2. Avon Old Farms- Field House – This is an approximately 900-acre parcel located on the west side of Route 10, north of the Town of Farmington parcel. Cellco’s real estate representatives made repeated attempts to contact the property owner. Neither Cellco’s phone calls nor emails were ever returned.
3. Avon Old Farms- Water Tank – This is an approximately 900-acre parcel located on the west side of Route 10, north of the Town of Farmington parcel. Cellco’s real estate representatives made repeated attempts to contact the property owner. Neither Cellco’s phone calls nor emails were ever returned.
4. Avon Old Farms- Playing Fields – This is an approximately 900-acre parcel located on the west side of Route 10, north of the Town of Farmington parcel. Cellco’s real estate representatives made repeated attempts to contact the property owner. Neither Cellco’s phone calls nor emails were ever returned.
5. Town of Avon Department of Public Works –This is an approximately 11-acre parcel off Arch Road in Avon. Because of this site’s proximity to Cellco’s existing Avon (Darling Drive and Ridgewood Road) cell sites, significant redundant coverage would result by locating a cell site at this location.
6. Rotondo Inc. –This is an approximately 12-acre parcel at 151 Old Farms Road in Avon. Because of this site’s proximity to Cellco’s existing Avon (Darling Drive and Ridgewood Road) cell sites, significant redundant coverage would result by locating a cell site at this location.
7. Sandford & Hawley Lumber –This is an approximately 6.4-acre parcel off Sandscreen Road in Avon. Because of this site’s proximity to Cellco’s existing Avon (Darling Drive and Ridgewood Road) cell sites, significant redundant coverage would result by locating a cell site at this location.

Site Search Summary Map Farmington, CT and Surrounding Area

