

Cellco Partnership d/b/a Verizon Wireless  
831 Derby Milford Road  
Orange, Connecticut

Orange North Facility

### Site Search Summary

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 northwest Orange are provided below.

#### Site Search Process

To initiate its site selection process in an area where wireless service problems have been identified, Cellco first establishes a “site search ring” or “site search area”. In any search ring or search 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 antennas and related equipment at a location and elevation that satisfies its technical 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; those with substantial adverse environmental impacts, or in densely populated residential areas; and those with limited ability to share space with other public or private telecommunications service providers). 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.

#### Need for the Orange North Facility

Within approximately four miles of the proposed Orange North Facility, Cellco maintains six (6) telecommunications facilities. These facilities are identified as Cellco’s Orange 2, Orange 3, Milford NE, Shelton 2, Derby and Derby North cell sites. Cellco’s Orange 2 facility consists of antennas at the 160-foot level on an existing 160-foot tower off Ogg Meadow Road in Orange. Cellco’s Orange 3 facility consists of antennas at the 120-foot level on an existing 140-foot tower at 700 Grassy Hill Road in Orange. Cellco’s Milford NE facility consists of antennas at the 110-foot level on the 120-foot tower at 528 Wheeler Farm Road in Milford. Cellco’s

Shelton 2 facility consists of antennas at the 140-foot level on the existing 140-foot tower at 30 Oliver Terrace in Shelton. Cellco's Derby facility consists of antennas at the 68-foot level on an existing Church bell tower at 123 Minerva Street in Derby. Cellco's Derby North facility consists of antennas at the 107-foot level on the existing 120-foot tower at 71 Pleasant View Road in Derby.

These existing facilities currently provide wireless service in the area around the proposed Orange North Facility location. Cellco's existing Derby, Milford NE and Shelton 2 facilities and, to a lesser extent, the Orange 2, Orange 3 and Derby North facilities are, however, operating at or near their current capacity limits, resulting in a significant reduction in reliable wireless service in the area. Unfortunately, there are no other existing towers or other sufficiently tall structures available in this area. Construction of a new tower, therefore, is required to resolve Cellco's wireless service problems. Because the proposed tower site provides, primarily, "capacity" relief to its network, Cellco can keep the overall height of the structure lower than that which might be needed for a pure "coverage site".

#### Identification of the Orange North Search Area

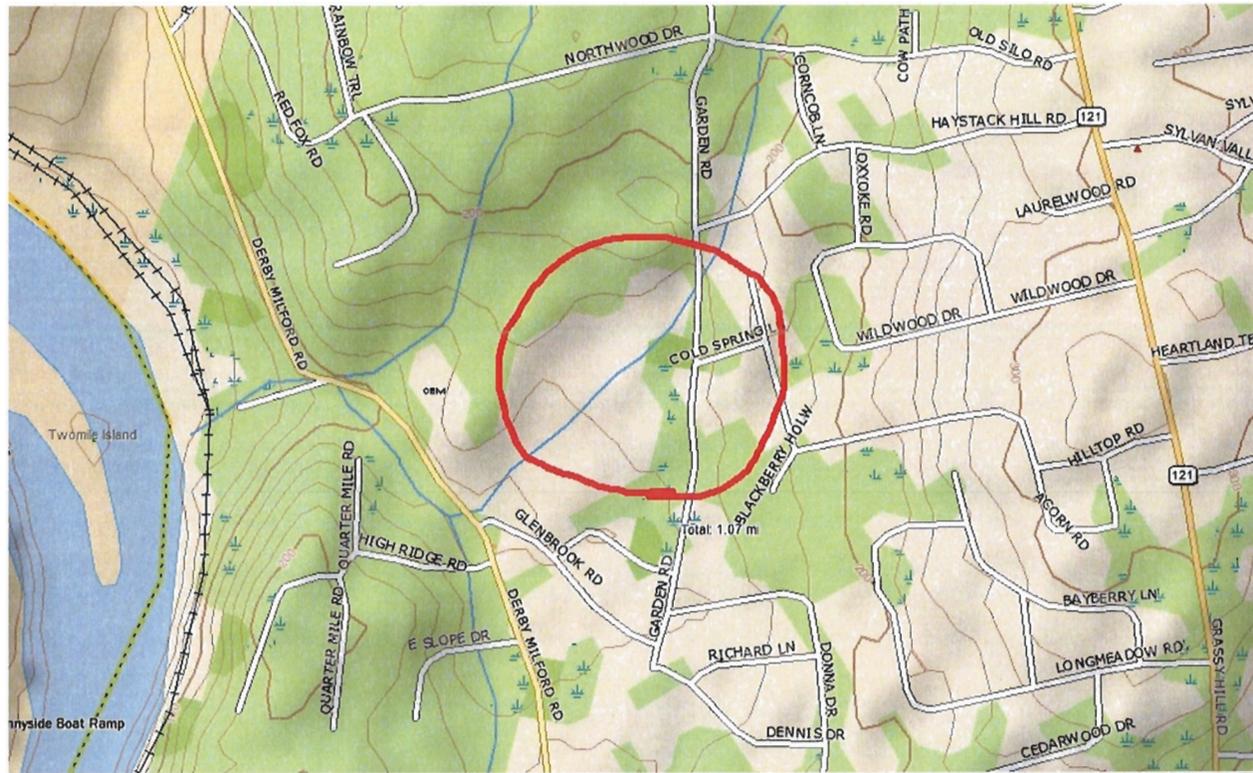
The purpose of the proposed Orange North Facility is to provide some coverage relief and additional network capacity along portions of Routes 34, 110 and 121 in the area, and to the surrounding residential neighborhoods in northern Orange. (See attached Search Area Maps). Because the primary purpose of the Orange North Facility is to relieve existing capacity problems at the six (6) closest sites, the search ring issued is small and located approximately the same distance from these existing sites.

#### Sites Investigated

Cellco investigated a total of nine (9) sites in northwest Orange. A listing of the sites investigated is provided below.

1. **831 Derby Milford Road, Orange, CT:** Cellco entered into a lease agreement with the property owners, Walter M. and Maryellen K. Bspuda, for a new tower site in the southerly portion of this 34.6 acre parcel.
2. **814 Glenbrook Road, Orange, CT 06477:** The property owners of this parcel were not interested in leasing space to Cellco for a tower site.
3. **870 Garden Road, Orange, CT 06477:** The property owners of this parcel were not interested in leasing space to Cellco for a tower site.
4. **Derby Milford Road, Orange, CT 06477 (Beth Israel Cemetery):** This parcel is located immediately west of the proposed tower site but does not maintain adequate ground space for the development of a telecommunications facility.
5. **414 Cold Spring Lane, Orange, CT 06477:** This parcel is located east of the proposed tower location but did not maintain adequate ground space for the development of a telecommunications facility compound.

6. **1730 Derby Milford Road, Orange, CT 06477:** This parcel was rejected by Cellco's RF Engineers. Overall, the ground elevation at this location was too low to allow Cellco to satisfy its wireless service objectives in the area.
7. **962 Grassy Hill Road, Orange, CT 06477 (Water Tank):** RF Engineers rejected this water tank site. The existing water tank is too low to allow Cellco to satisfy its wireless service objectives.
8. **986 Grassy Hill Road, Orange, CT 06477:** RF Engineers investigated but rejected this potential site location because it lies too close to its existing Orange 3 site and cannot cover the majority of the Orange North wireless service objectives.
9. **Turkey Hill Preserve, Derby Milford Road:** RF Engineers investigated but rejected this Town-owned parcel because it would not satisfy Cellco's wireless service objectives in the area. This site, near the intersection of Derby Milford Road and Turkey Hill Road, would be too close to Cellco's existing Orange 3 cell site potentially causing interference and too far from Cellco's existing Derby, Derby North and Shelton 2 cell sites, making it difficult for the site to enhance network capacity in the area where the need exists.



Guidelines for the SAR are shown in the above map to emphasize areas where existing structures may exist.

Source: DeLorme Maps