

Site Search Summary  
(Goshen)

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 Goshen 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 two (2) existing communications facilities located within approximately four (4) miles of the Goshen search area. These existing facilities, however, cannot provide the coverage or capacity relief needed in the identified problem areas, along Route 63, portions of Route 4 and local roads in the central Goshen area. (See Attachment 6).

<u>OWNER/OPERATOR</u>	<u>FACILITY TYPE</u>	<u>LOCATION</u>	<u>ANTENNA HEIGHT</u>
1. Bay Communications	Monopole (195')	113 Brush Hill Road Goshen, CT	185'
2. Crown	Monopole (148')	136 Wright Road Torrington, CT	138'

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 Goshen Search Area

The purpose of the proposed Goshen Facility is to provide reliable PCS coverage to significant existing coverage gaps that have been identified along Route 63 and portions of Route 4 in the central portion of Goshen. The proposed Goshen Facility will also provide some limited capacity relief in Goshen by off-loading calls from Cellco's two existing and adjacent cell sites, Goshen South and Torrington West. The coverage gaps referenced above were identified using best server propagation modeling tools.

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

### Sites Investigated in the Goshen Area

In addition to the existing communications facilities listed above, Cellco identified and investigated several sites and an existing structure in Goshen. These sites are described below.

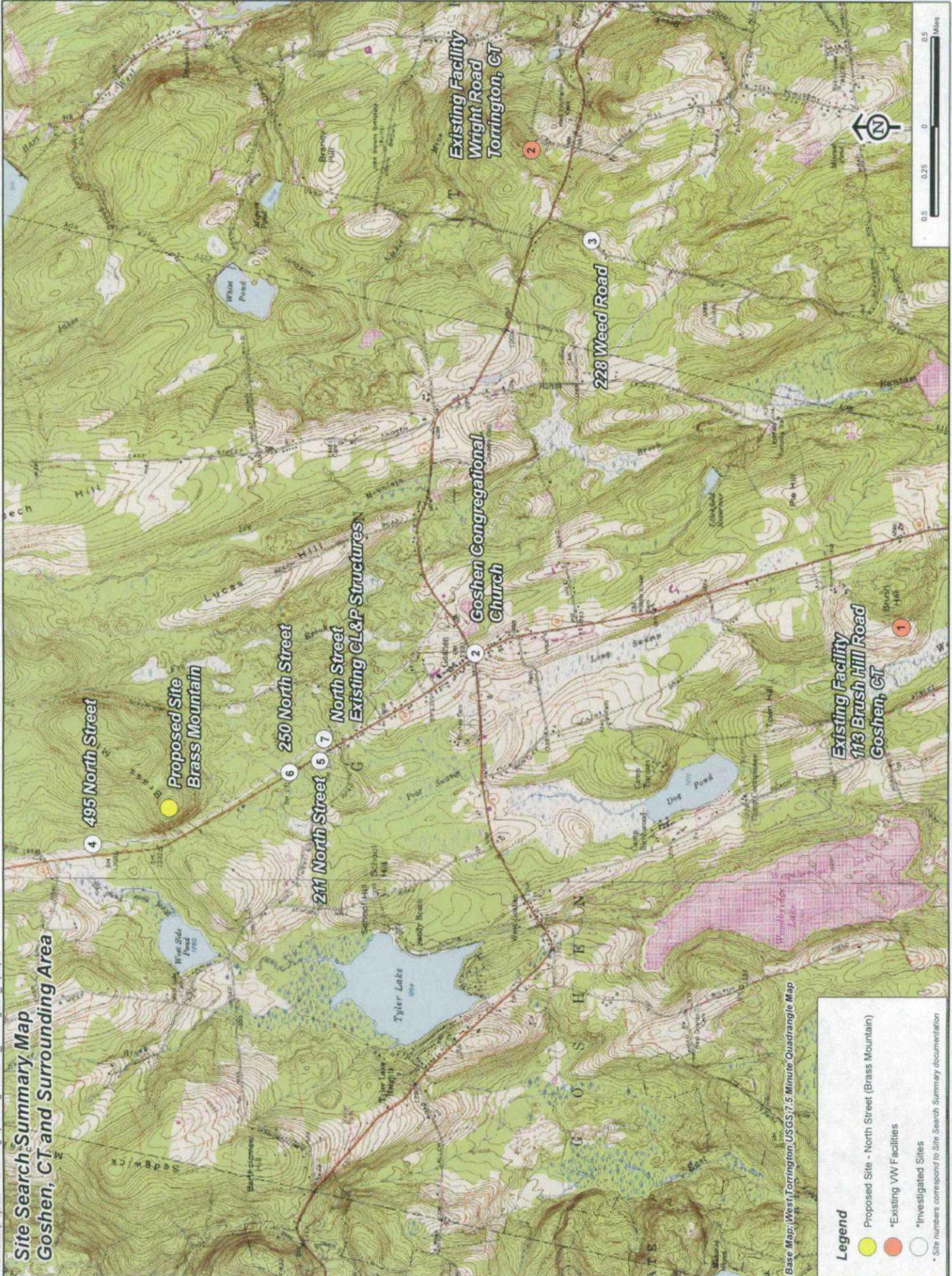
### Sites Investigated

1. North Street (Brass Mountain), Goshen – Cellco investigated and ultimately signed a lease for the use of a portion of this 233-acre parcel. This site maintains a ground elevation of approximately 1600 feet AMSL and is proximate to Route 63, the primary coverage objective of the Goshen search area.
2. Goshen Congregational Church – The Goshen Congregational Church is located at the southeast corner of Routes 63 and 4 in Goshen. Cellco RF engineers explored the installation of antennas in the existing church steeple. The use of this site would require the rebuilding and extension of the steeple to accommodate Cellco's antennas. This proposal was presented to the Connecticut State Historic Preservation Officer ("SHPO") for review. The SHPO determined that the modification to and extension of the church steeple for telecommunications purposes would have an adverse effect on the historic character of the church.
3. 228 Weed Road – This site is located south of Route 4, approximately 2½ miles east of Route 63. A site at this location could not satisfy Cellco's coverage objectives along Route 63.
4. 495 North Street – This is a residential parcel located east of North Street and north of the subject parcel described in paragraph 1 above.

Topography in the area, particularly Brass Mountain prohibits Cellco from satisfying its coverage objectives along Routes 63 and 4 in the Goshen area.

5. 211 North Street – This site is a residential parcel located west of Route 63 approximately ½ mile south of the subject parcel. The lower ground elevation at this site together with topography in the area prohibits Cellco from satisfying its coverage objectives along Route 63 in the Goshen area.
6. 250 North Street – This site is a residential parcel located east of Route 63 approximately ½ mile south of the subject parcel. The lower ground elevation at this site together with topography in the area prohibits Cellco from satisfying its coverage objectives along Route 63 in the Goshen area.
7. North Street – CL&P Structures – There is an existing CL&P transmission line that runs parallel to North Street (see Tab 1, p. ii). The ground elevation along Route 63 is nearly 300 feet lower than at the base of the proposed tower. Comparable coverage is not achievable from this location.

# Site Search Summary Map Goshen, CT and Surrounding Area



Base Map: West Torrington, USGS 7.5 Minute Quadrangle Map

### Legend

- Proposed Site - North Street (Brass Mountain)
- \*Existing VW Facilities
- \*Investigated Sites
- \*Site numbers correspond to Site Search Summary documentation

