

Cellco Partnership d/b/a Verizon Wireless
208 Kirk Road
Hamden, Connecticut

Hamden 8 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 central Hamden 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 located in densely populated 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 Hamden 8 Facility

Cellco currently maintains seven (7) wireless telecommunications facilities within approximately four (4) miles of the proposed Hamden 8 Facility. These facilities are identified as Cellco’s Hamden North, Hamden East, Centerville, Hamden 2, Hamden, Hamden North 2, and Bethany cell sites. Cellco’s Hamden North facility consists of antennas inside a faux-silo at the Connecticut Agricultural Station at 890 Evergreen Avenue in Hamden. Cellco’s Hamden East facility consists of antennas on the roof of a building at 2313 Whitney Avenue in Hamden. Cellco’s Centerville facility consists of antennas on the roof of a building at 955 Mix Avenue in

Hamden. Cellco's Hamden 2 facility consists of antennas on a roof-mounted tower at 265 Benham Street in Hamden. Cellco's Hamden facility consists of antennas at the 170-foot level on a 250-foot tower at 1055 Wintergreen Avenue in Hamden. Cellco's Hamden North 2 facility consists of antennas at the 147-foot level on a 160-foot self-supporting monopole tower at 150 Willow Street in Hamden. Cellco's Bethany facility consists of antennas at the 180-foot level on a 338-foot tower at 93 Old Amity Road in Bethany. Today, these existing facilities provide wireless coverage in central portions of Hamden and western portions of North Haven but cannot serve the significant area of need described in this report. In addition, Cellco's existing Hamden 2 and Hamden North facilities are currently operating at or near their capacity limits, resulting in more significant reductions in reliable wireless service in the area. Cellco's Hamden 8 cell site will also provide capacity relief to the Hamden 2 and Hamden North cell sites.

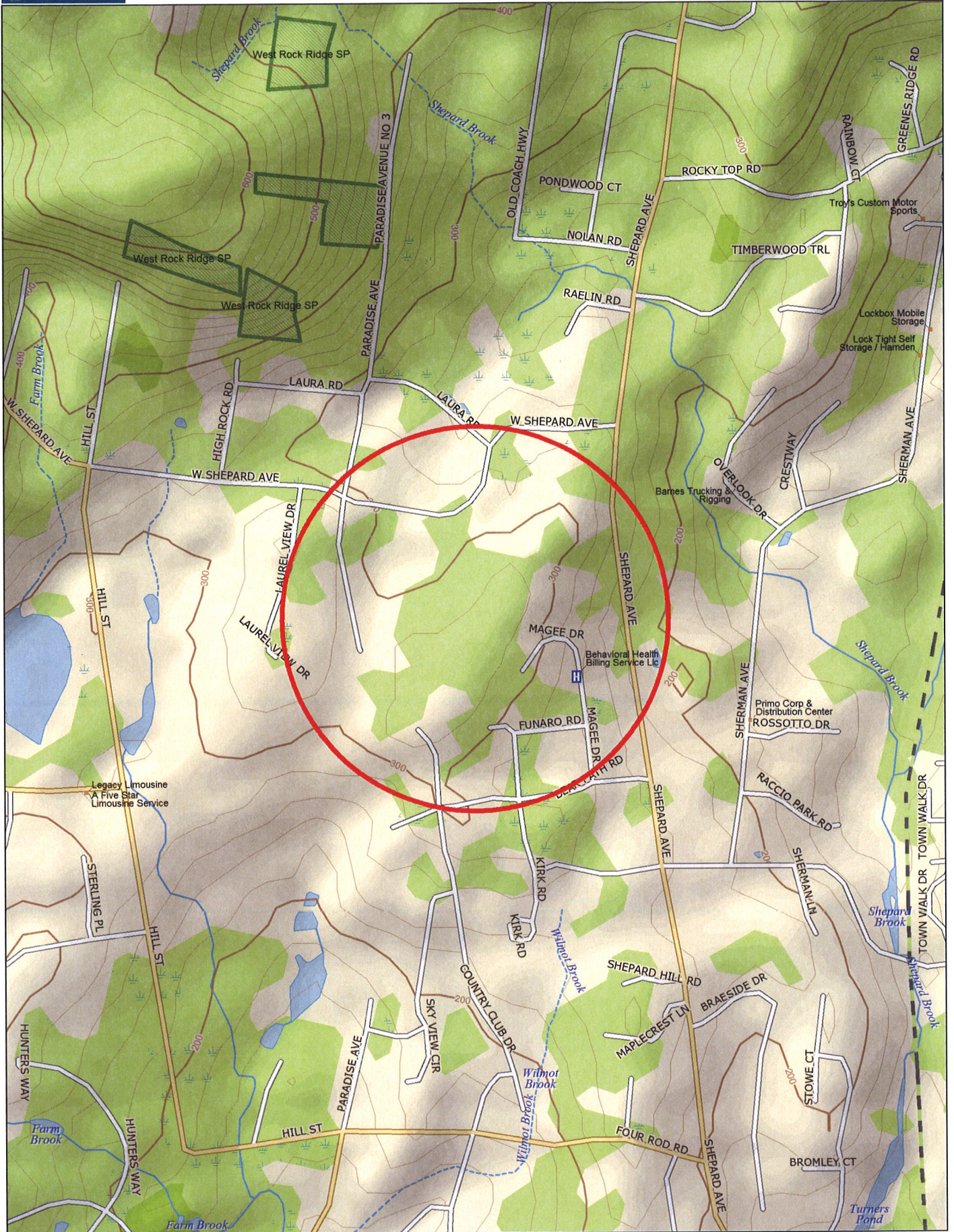
Identification of the Hamden 8 Search Area

The purpose of the proposed Hamden 8 Facility is to provide coverage along portions of Shepard Avenue and West Shepard Avenue in the area, and to the surrounding commercial and residential land uses in central Hamden. The facility will also provide network capacity relief to Cellco's existing Hamden 2 and Hamden North cell sites which is currently operating at or near its capacity limit. (See attached Coverage Maps behind Attachment 1).

Sites Investigated

Cellco investigated a total of four (4) sites in central Hamden. A listing of the sites investigated is provided below.

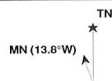
1. **208 Kirk Road, Hamden, CT:** Cellco entered into a lease agreement with the owner for this parcel, the Hamden 8 Facility.
2. **112 Shepard Avenue, Hamden, CT:** This parcel was rejected by Cellco's RF Engineers. This potential site location was too far outside the site search ring and cannot cover the majority of the Hamden 8 wireless service objectives.
3. **905 Shepard Avenue, Hamden, CT:** 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.
4. **310 W. Shepard Avenue, Hamden, CT:** This parcel was rejected by Cellco's RF Engineers. This potential site location was too far outside the site search ring and cannot cover the majority of the Hamden 8 wireless service objectives.



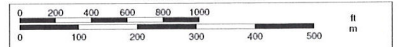
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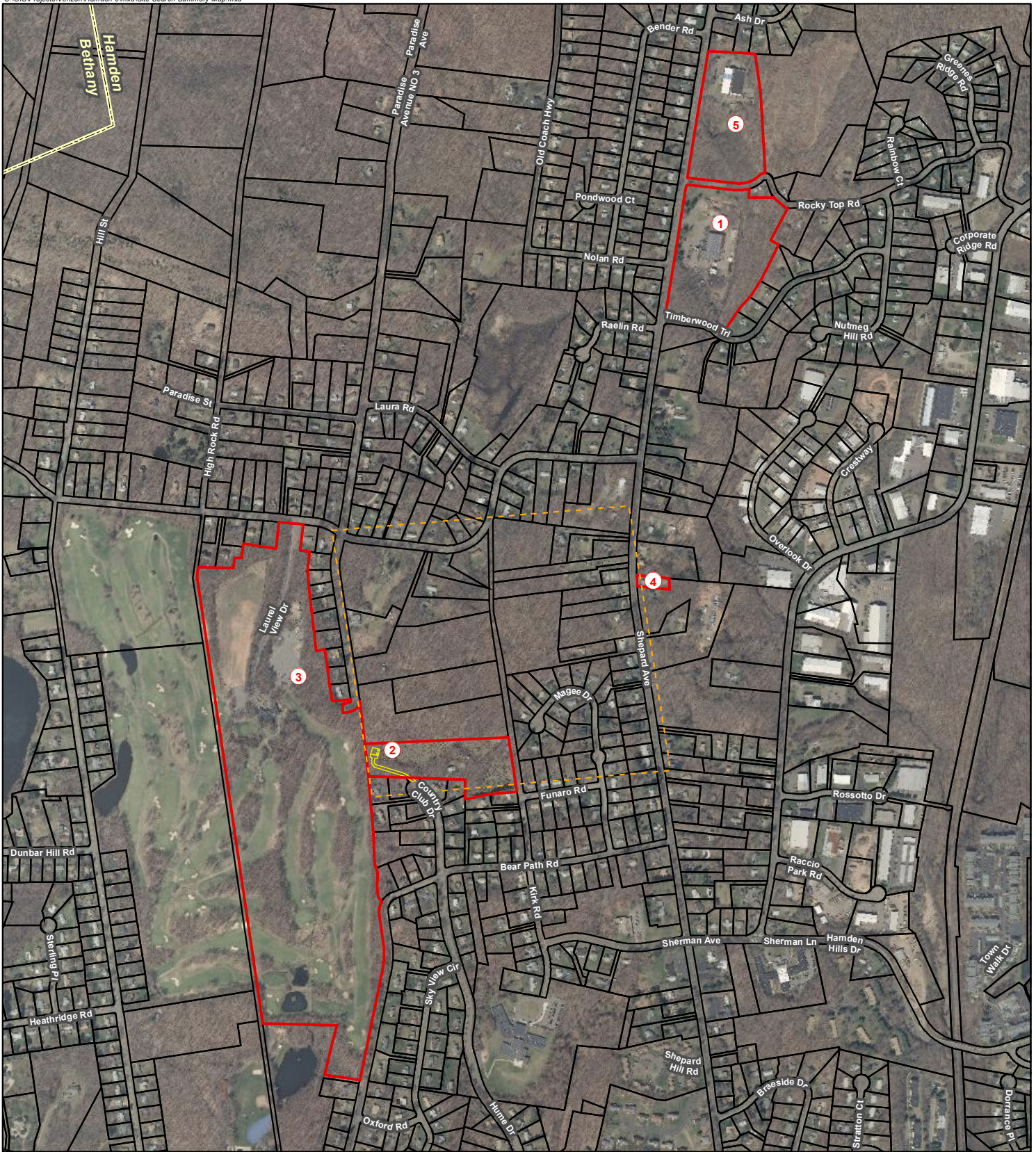


Scale 1 : 12,800



1" = 1,066.7 ft

Data Zoom 14-0



Legend

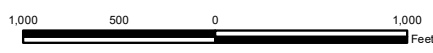
- Site Investigated
- Hamden 8 Search Area
- Proposed Facility Layout
- Approximate Parcel Boundary (CTDEEP GIS)

Sites Investigated:

- 1 Hamden Public Works, 1125 Shepard Avenue, Hamden, CT
- 2 Joseph's Tree Farm, 208 Kirk Road, Hamden, CT
- 3 Laurel View CC, 1105 Paradise Avenue, Hamden, CT
- 4 Mix District Volunteer Fire Dept., 905 Shepard Avenue, Hamden, CT
- 5 Town of Hamden, 1255 Shepard Avenue, Hamden, CT

Site Search Summary Map

Proposed Wireless Telecommunications Facility
 Hamden 8 CT
 208 Kirk Road
 Hamden, Connecticut



Map Notes:
 Base Map Source: 2012 Aerial Photograph (CT ECO)
 Map Scale: 1 inch = 1,000 feet
 Map Date: January 2017

