

# ATTACHMENT 2

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### **Site Search Summary**

In general, the wireless industry develops “site search areas” to initiate a site selection process in areas where new wireless infrastructure is required to provide reliable wireless services to the public. A site search area is a general geographical location where the installation of a new wireless facility would address identified coverage and/or capacity constraints within wireless networks. Site search areas are also developed with an overall understanding of local terrain, tree canopies and other local morphologies and development patterns. Further consideration is given by wireless network operators on how any new wireless infrastructure will integrate into a wireless network based on the unique aspects of cellular design that include consumer mobility and the reuse of frequencies licensed by the FCC throughout the network’s architecture.

In any site search area, both Eco-Site and T-Mobile seek to avoid the unnecessary proliferation of towers in accordance with Connecticut law, while at the same time ensuring the quality of service provided by any proposed site to users of its network. Once a site search area is identified, real estate professionals will review the area with particular attention to any existing tall structures above the tree line which may exist in the site search area (e.g. existing towers, water tanks, above ground transmission lines, church steeples). If present, existing structures are evaluated for the potential to construct and operate a new facility. In order to be viable, a tower site candidate must be capable of providing adequate coverage in wireless networks. In addition, all viable candidates must have a willing landowner with whom commercially reasonable lease terms may be negotiated.

As part of a site search process, real estate professionals will also typically review local zoning regulations to identify any community preferences articulated by regulation. They will also consider other municipal sources of information in an effort to identify any other general community preferences related to tower facility siting. Overall, and based on the regulatory process set forth in state law that involves the Siting Council, Eco-Site evaluates tower site candidates and qualifies any candidates from the state’s perspective, which is to balance the need for any new tower site and minimize environmental impacts where possible.

In this search area in the Town of Glastonbury, T-Mobile and Eco-Site concluded that a new tower is necessary to meet T-Mobile's objective of providing reliable service to the public. The

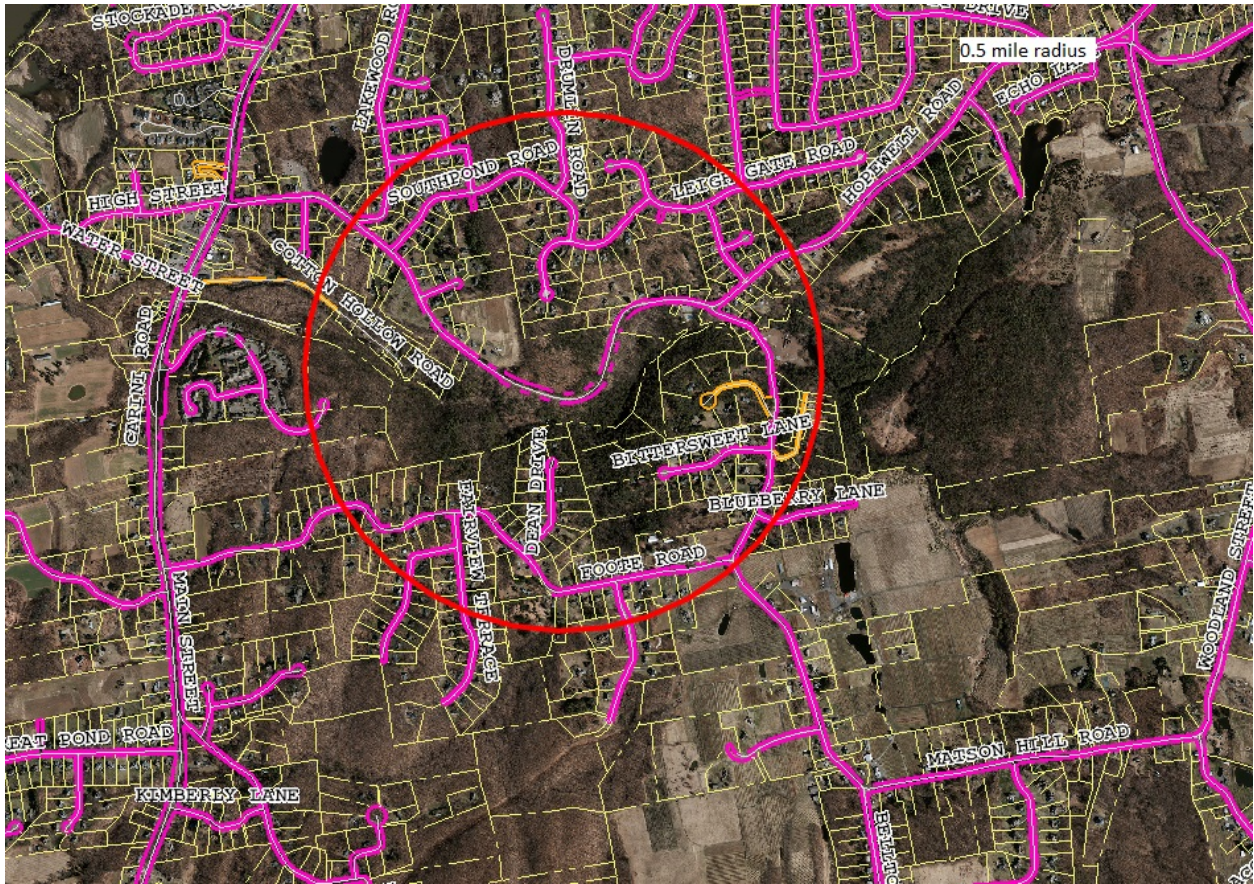
search area itself is made up of largely small residential parcels. A few existing tall structures (church steeples) were identified 1/2 to 3/4 of a mile northwest of the search ring center which were not tall enough or physically situated in locations where they could meet T-Mobile's coverage objectives. The surrounding terrain and topography in this area of South Glastonbury also limited the search for potential locations for a new communications facility.

The few larger parcels around the site search ring were also evaluated by Eco-Site. Eco-Site identified and investigated four (4) sites specifically where the construction of a new tower might be feasible:

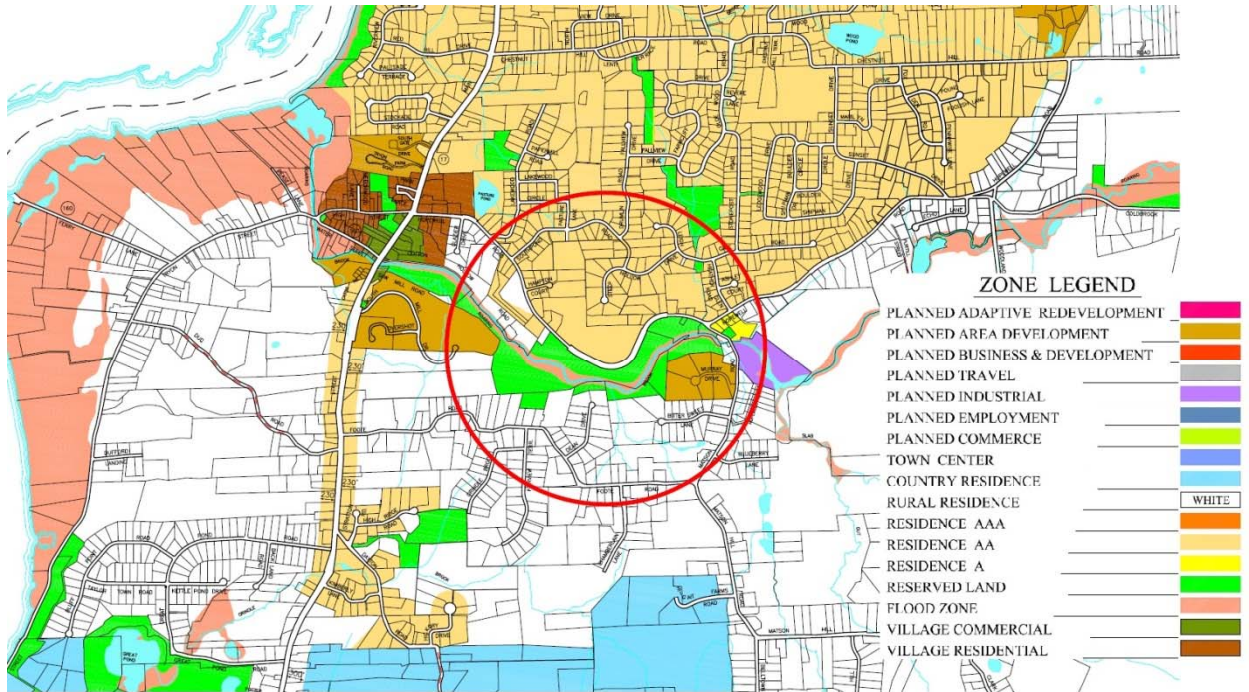
1. Paul Cavanna  
63 Woodland Street  
Glastonbury, CT 06073  
This location is the candidate site.
  
2. 580 Hopewell Rd.  
Glastonbury, CT 06073  
This parcel was deemed not viable after initial lease discussions with the property owner.
  
3. South Mill Drive (Off) Glastonbury, CT 06073  
After further review of this parcel and discussions with the property owner, this location was deemed not viable due to wetlands and the future planned development of this parcel.
  
4. Main Street (Off)  
Glastonbury, CT 06073  
Certified mail was delivered and signed for, with no response.

Notably, the site selected is a large wooded parcel of land in an area of South Glastonbury with the nearest residence over 1,000 feet away. Eco-Site knows of no other alternatives that would better meet the State's tower siting criteria set forth in Section 16-50p of the Connecticut General Statutes.

**Figure 1: Site Search Ring – Local Tax Map & Roads**



**Figure 2: Site Search Ring – Local Zoning**

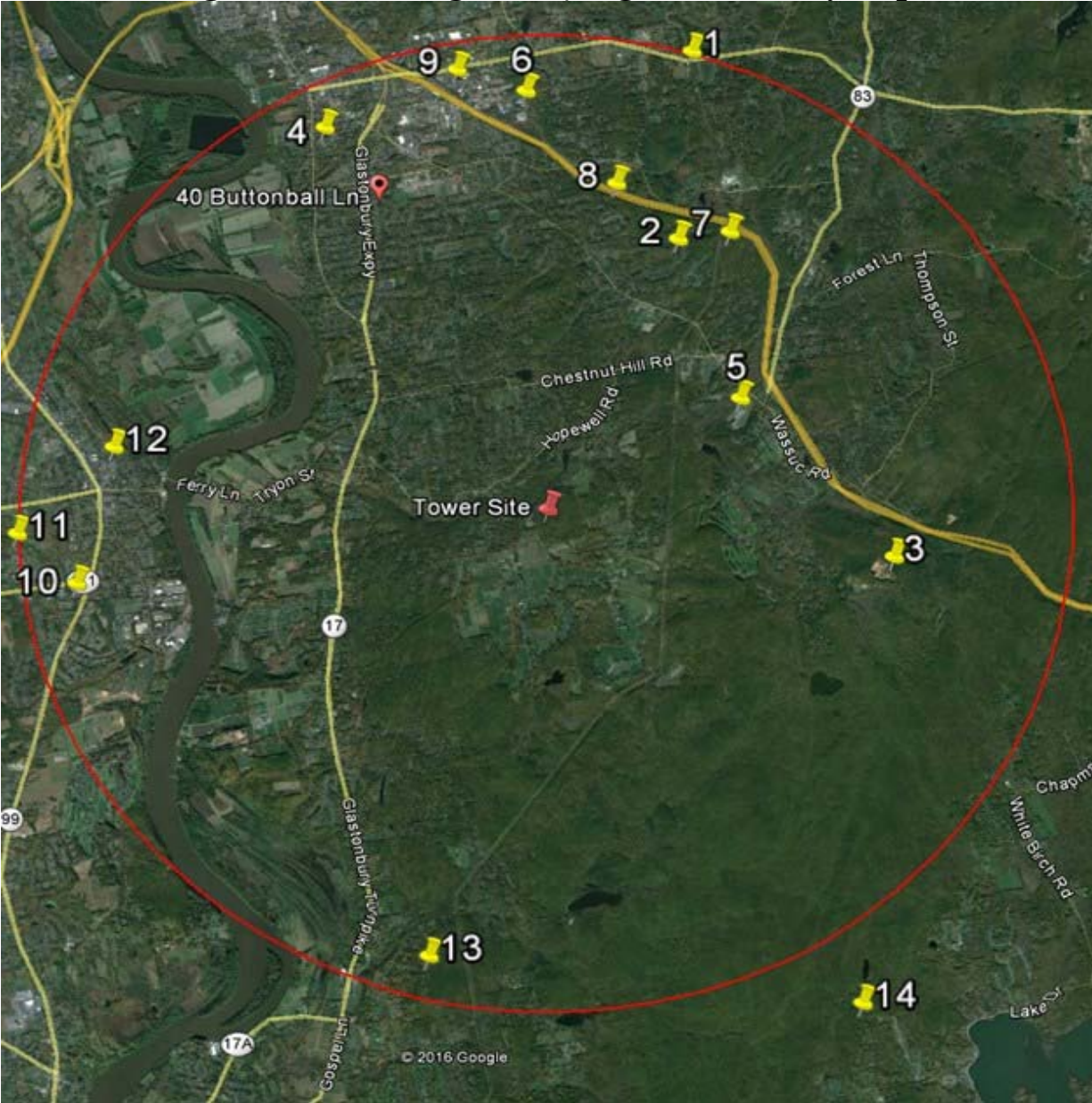


## Existing Tower/Regulated Cell Site Locations

There are 14 existing or approved communications facilities within approximately 4 miles of the proposed tower at Woodland Street, Glastonbury, Connecticut. None of the existing sites, whether T-Mobile is located thereon or not, can provide reliable service to the area of Town where service is needed.

1	1492 Hebron Avenue	41.71728333	-72.553125
2	1616 (1679) New London Turnpike	41.69275	-72.554972
3	175 Dickinson Rd (77 Redwood Lane)	41.6559	-72.523275
4	2108 Main St.	41.70622222	-72.606917
5	2380 New London Tpke.	41.67404167	-72.545689
6	278 Oakwood Drive	41.71056111	-72.576947
7	366 Three Mile Rd	41.69360833	-72.547258
8	58 Montano Road	41.69944444	-72.564
9	628 Hebron Avenue, Bldg 2	41.71344444	-72.587056
10	2825 Main Street/156 West Street	41.6519	-72.6436
11	287 West St. (Veterans Affairs Hospital)	41.65802222	-72.652169
12	699 Old Main Street	41.66826944	-72.638003
13	74 Goodrich Lane	41.60805556	-72.591542
14	65 Midwood Farm Rd	41.60277778	-72.528611

**Figure 3: Existing Tower/Regulated Facility Map**



**Figure 4: Eco-Site Tower Site Search Map – Aerial**

