

Summary of Key Points
Centerline's Cellular Coverage Analysis of New Canaan

1. Achieving comprehensive wireless coverage in New Canaan is challenging due to local topography and the density and height of man-made or natural obstructions (morphology). Hills, valleys and ridgelines all create terrain contours that may block radio signals. Chief among morphology concerns is the high density of trees that can impede and degrade wireless signal propagation.
2. Of the four wireless carriers that serve New Canaan, AT&T Wireless ("AT&T") offers the widest geographic coverage, followed by Verizon, T-Mobile and Sprint.
3. AT&T's current wireless data network covers 75% of the town. The AT&T wireless voice service covers 66% of the town. There are notable gaps in AT&T's coverage in the East, Northeast, North, Northwest parts of town
4. Verizon's current wireless data network also covers 75% of the town. Verizon's wireless voice network covers on 50% of the town. The Verizon network has coverage gaps North of Downtown, in the East, Northeast, Northwest parts of town.
5. T-Mobile's current wireless voice and data networks cover 33% of the town largely between Downtown and Waveny Park. T-Mobile's network has significant gaps in the E, NE, N, NW and W parts of town.
6. Sprint's wireless voice and data networks cover approximately 25% of the town primarily in the areas between Downtown and Waveny Park.
7. The Silver Hill cell site, which will host antennas for AT&T, T-Mobile and Verizon, is currently under construction and expected to go live in the first quarter of 2015. When activated, this site will significantly improve coverage for each of these carriers in the Eastern and Northeastern parts of town. The Centerline report has prepared a predicted coverage analysis for the Silver Hill site based on the technical data filed with the CT State Siting Council. In addition, Centerline will carry out a supplemental drive test of the SE, E and NE part of town once the site goes live.
8. The Norwalk Armory site, which consists of two monopole towers hosting antennas for AT&T and Verizon, respectively, is working its way through the CT State approval process. A construction start date has not yet been announced. Assuming the site is activated as planned, it will significantly improve coverage in the SE and E part of the town. Centerline has prepared a

predictive coverage analysis for the Armory site based on the technical data filed with the CT State Siting Council.

9. The Centerline paper has identified parts of town where cell coverage is substantially absent. This includes the area west of Rt 124 from Frogtown Rd. up to the State Line with Pound Ridge; Northwest, North and Northeast of Country Club between Wynddown Road and the State Line and the Wilton Town Line; Valley Road and the Eastern border of the town stretching from the Merritt Parkway up to the State Line with Vista.
10. The paper also includes “search circles” which identify areas where additional cell sites might be able to address the current coverage gaps and lists municipal properties in these areas where future sites might be based.
11. An appendix to this report evaluates more than 50 parcels of municipal property and several parcels of private property as potential locations for new cell sites. These are ranked relative to their likelihood of being able to address the “coverage gaps” which the study revealed.