

Exhibit 11
OZAH Case No: CU 24-17

Montgomery County, MD

Old Hundred Rd

Mar 13, 2022

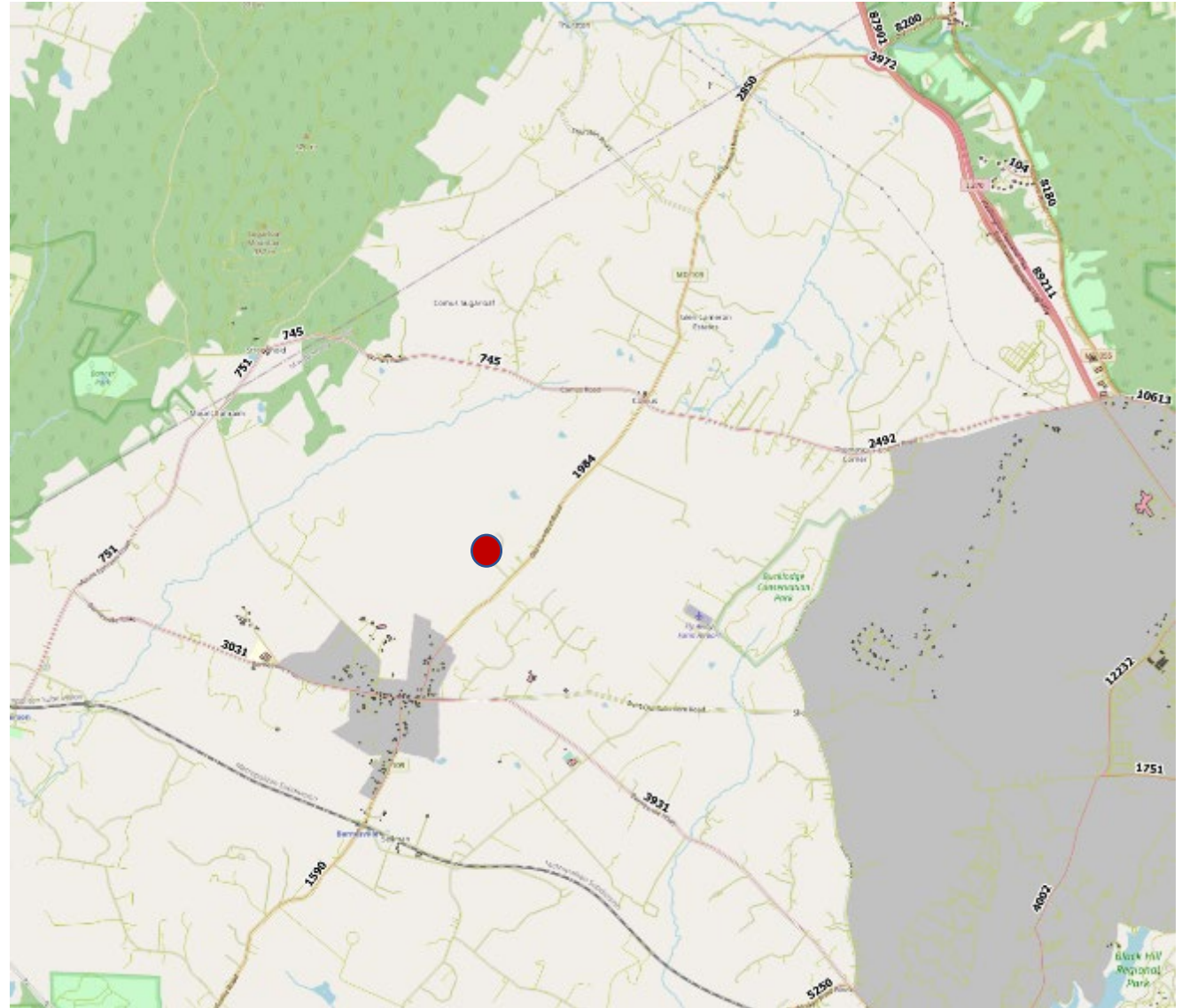
Summary

- Areas in the vicinity are identified by CAF II for voice and broadband service modernization in unserved areas.
- The proposed TCG Old Hundred Road site is positioned to serve Barnesville, Old Hundred Rd, Comus Rd, Barnesville Rd, and Beallsville Rd
- The minimum required height for the proposed TCG Old Hundred Rd site is 136 ft. Supporting RF propagation plots and terrain analysis provided.
- Additional heights are needed to support multiple wireless service providers. Supporting RF propagation plots are provided for the requested 156 ft.

Background

2019 Vehicular Traffic

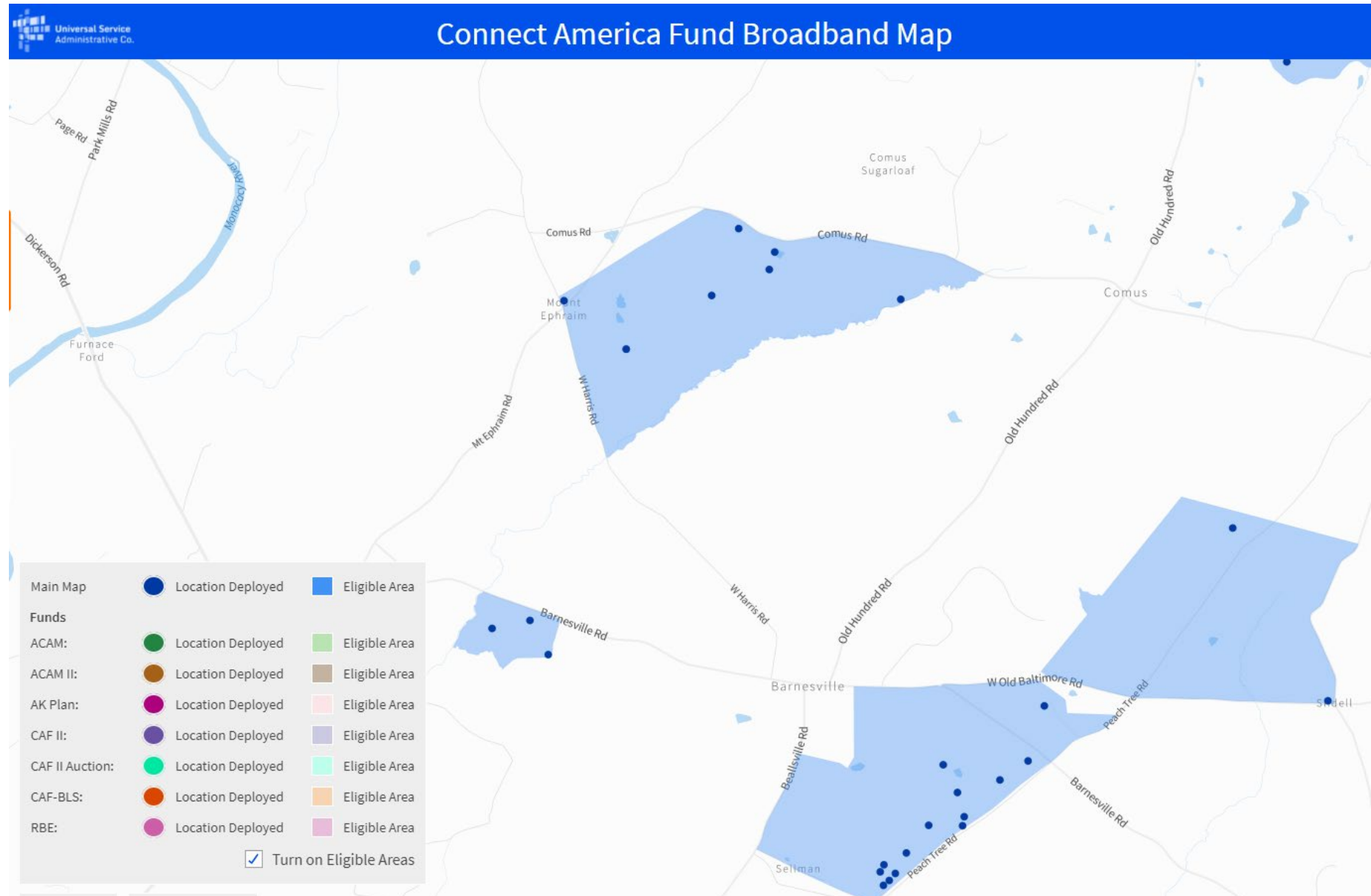
- The proposed site is positioned to serve Barnesville, Old Hundred Rd, Comus Rd, Barnesville Rd, and Beallsville Rd.



Area Background

Areas around Barnesville, Old Hundred Road and Comus Road have experienced recent CAF II activities to modernized networks for deploying voice and broadband services in states with unserved areas.

Source: <https://data.usac.org/publicreports/caf-map/>

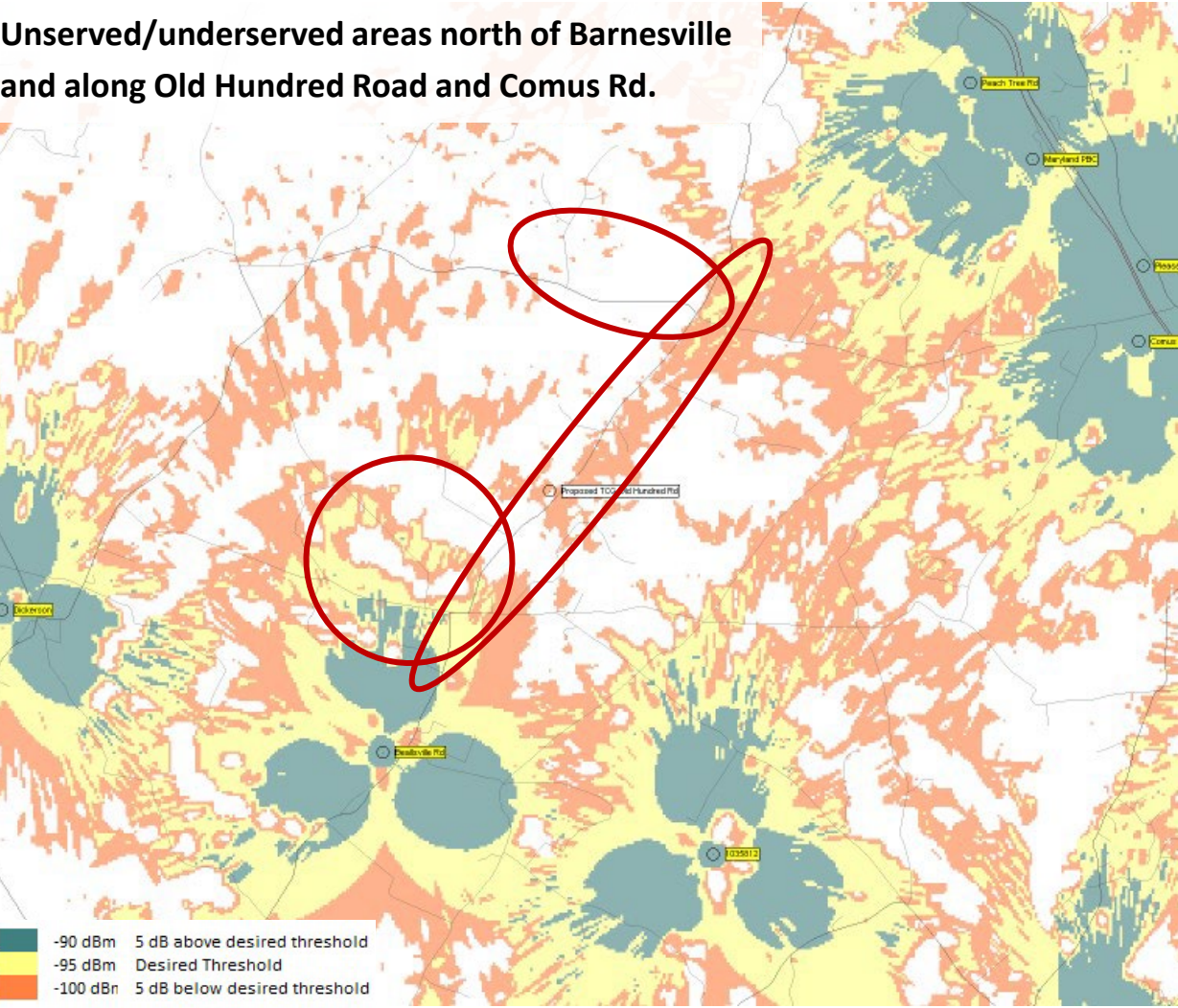


Minimum Height Requirement for Proposed TCG Old Hundred Road Site

Single Provider

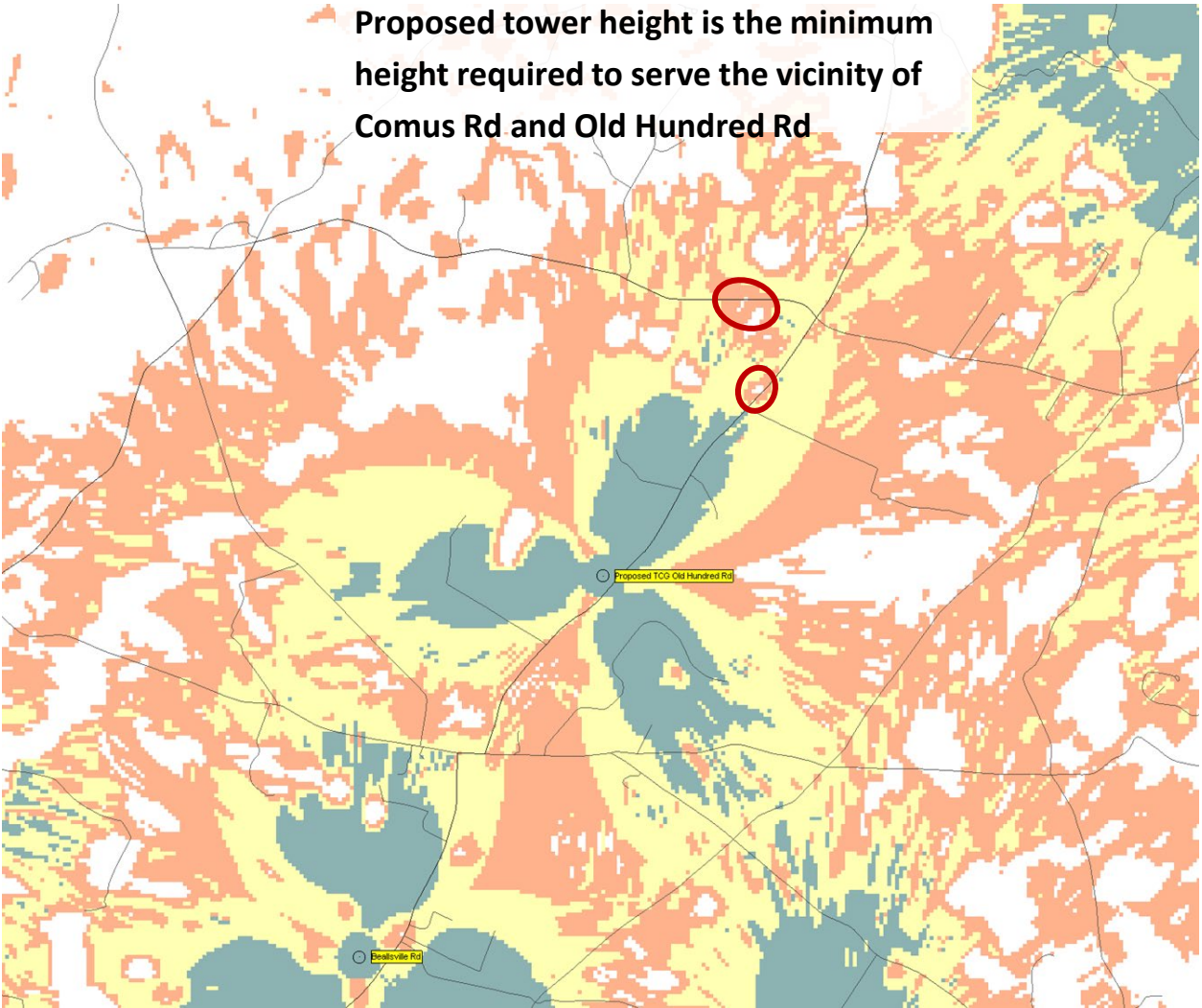
Barnesville Propagation Maps

Unserved/underserved areas north of Barnesville and along Old Hundred Road and Comus Rd.



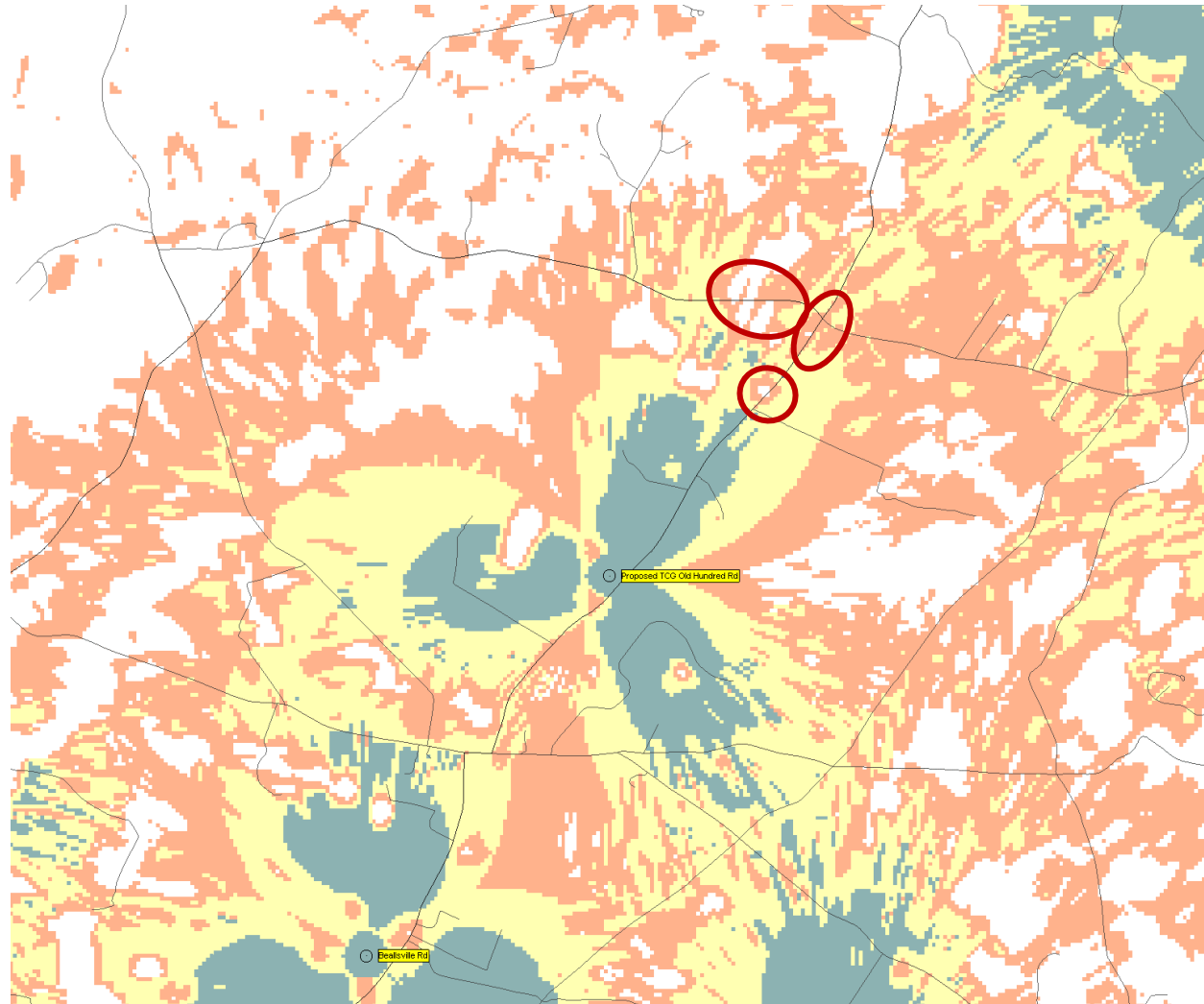
Existing service area

Proposed tower height is the minimum height required to serve the vicinity of Comus Rd and Old Hundred Rd



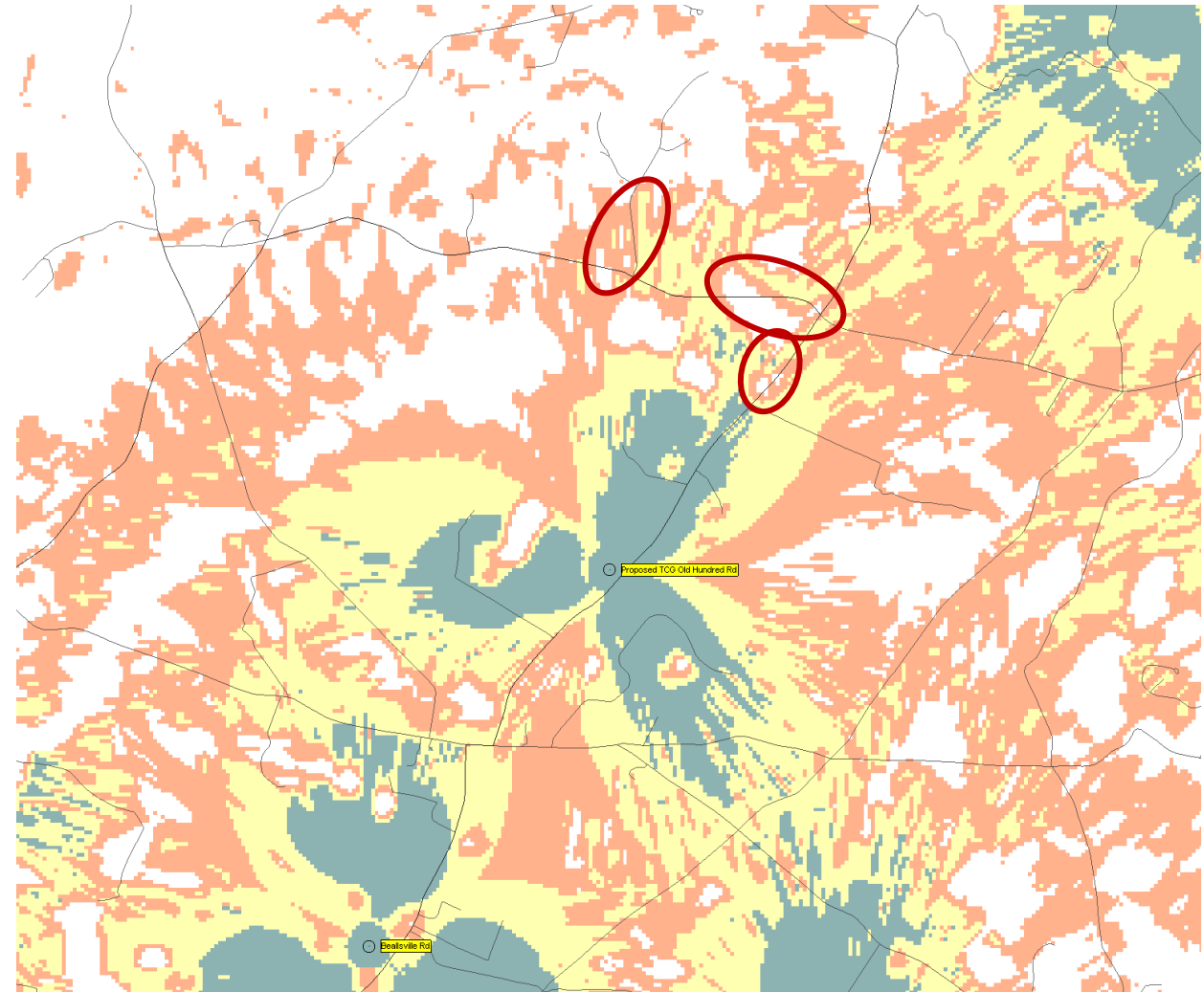
Proposed TCG Site at 136 ft – Minimum Height

Barnesville Propagation Maps at Lower Antenna Heights



116 ft

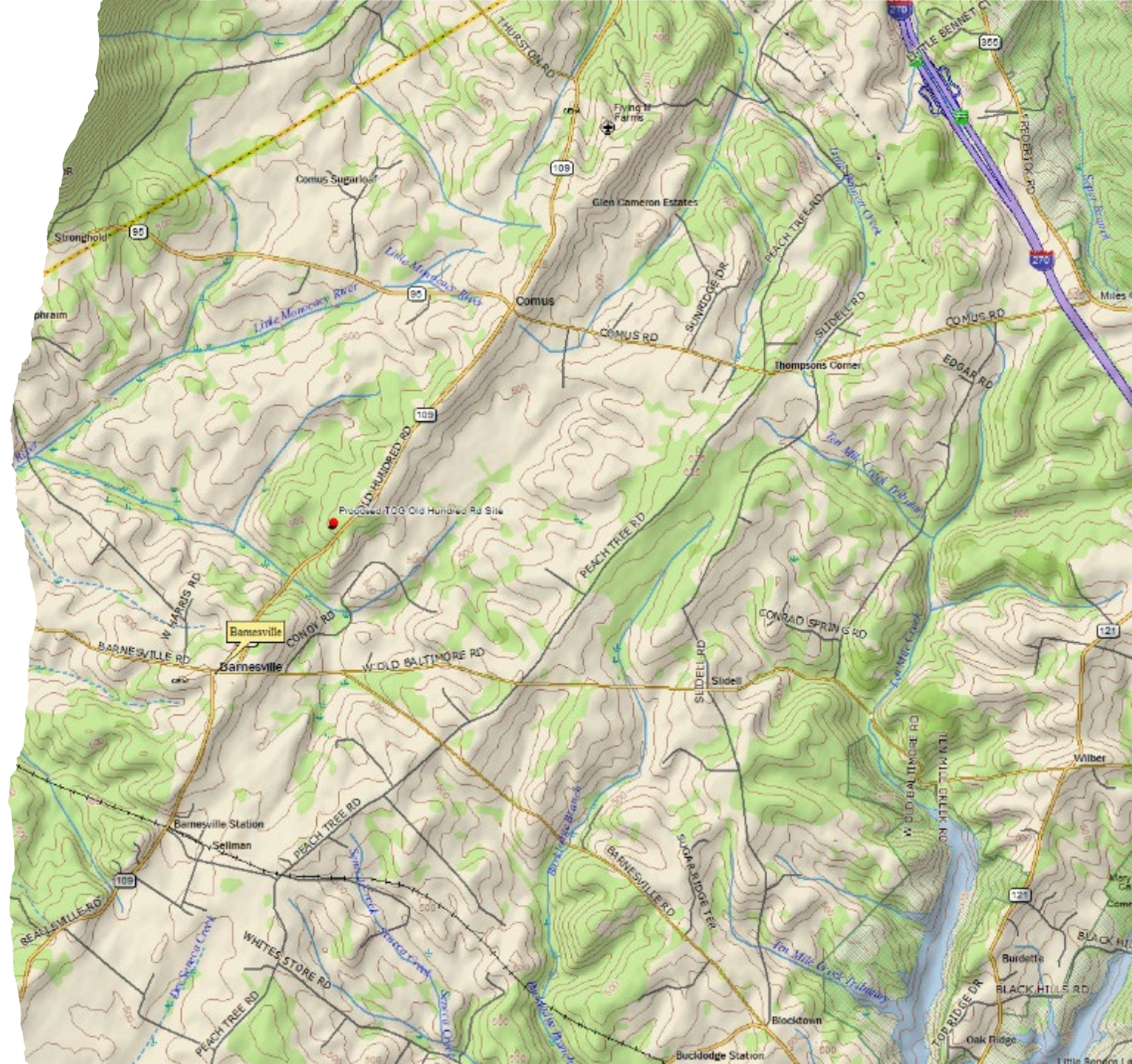
Degraded service along Comus Road at lower heights.
Foliage effects, e.g., trees, are also more noticeable at lower antenna heights.



96 ft

Terrain Analysis

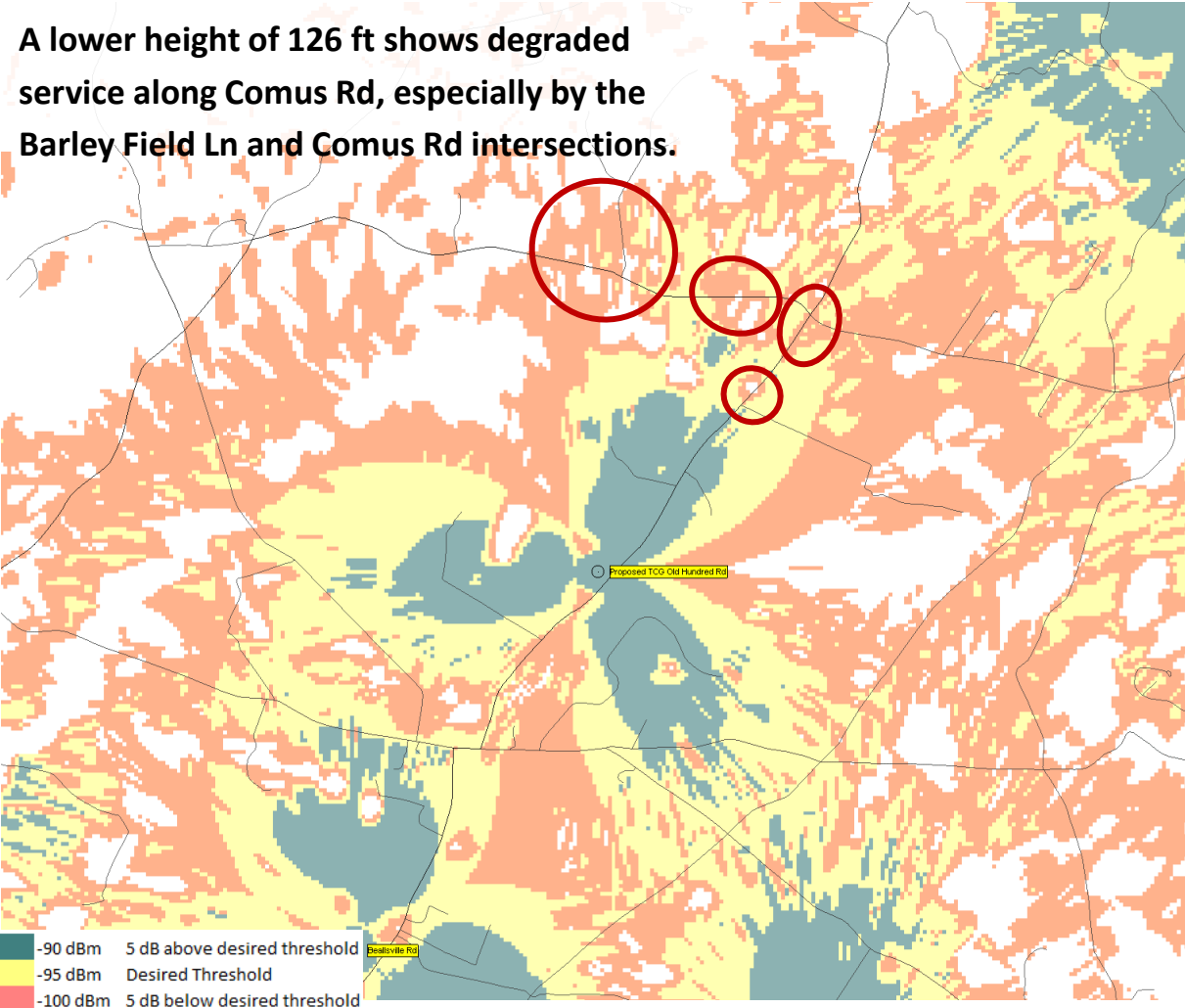
- Old Hundred Rd is on higher ground. The proposed site is better suited to cover areas west of Old Hundred Road as the terrain dips slightly.
- Other sites are further way, e.g., Route 270, and is at a disadvantage to cover west of Old Hundred Acres Rd due to terrain changes and distance.



Additional Height Requirement to
support multiple service providers

Barnesville Propagation Maps at 126 ft and 156 ft

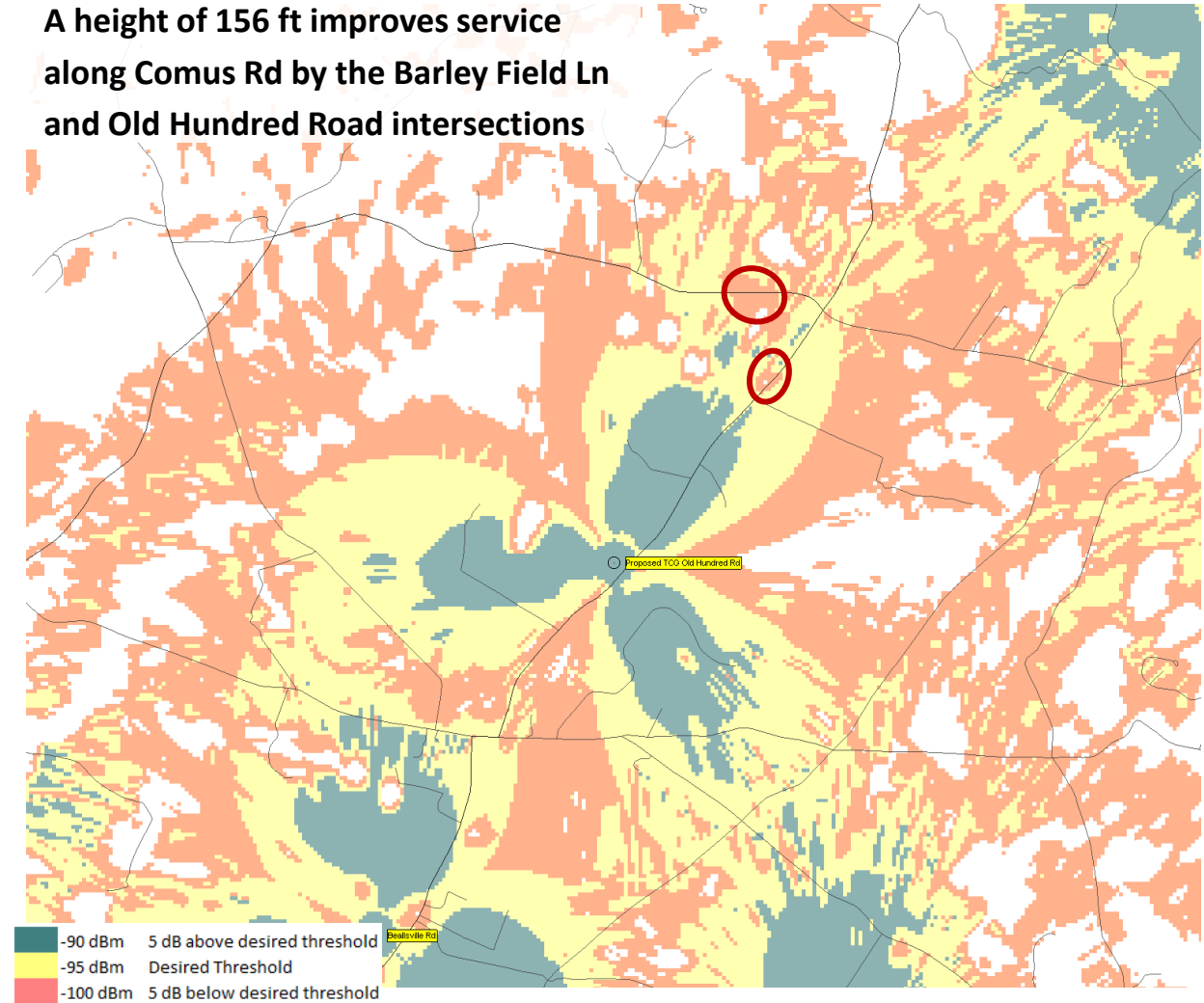
A lower height of 126 ft shows degraded service along Comus Rd, especially by the Barley Field Ln and Comus Rd intersections.



126 ft

Degraded service along Comus Road at lower heights. Foliage effects, e.g., trees, are also more noticeable at lower antenna heights.

A height of 156 ft improves service along Comus Rd by the Barley Field Ln and Old Hundred Road intersections



156 ft