



Additional Information Required for Special Use Permit

2.

- A. Traffic: This is an unmanned Wireless Telecommunication Facility. After construction of the facility, traffic will be limited. There will be periodic routine visits, approximately once a month, to check the facility's operation. The type of vehicle utilized will be a light duty truck. These visits are typically Monday through Friday from 8am – 5pm, except in cases of emergencies. The only improvements expected will be NCDOT permit related to access entrance.
- B. Visual Impact & Screening: The Wireless Telecommunication Facility will be screened with existing trees surrounding the facility on the north, east and west. A six feet green vinyl coated chain link fence with one foot in height barbed wire will enclose the compound.
- C. Lighting: The Wireless Telecommunications tower will be lit with mid-level obstruction lights and the top of tower with beacon / strobe light in accordance with FAA regulations.
- D. Noise: Any noise generated from the facility will be from the emergency generator during regular testing and power outages.
- E. Chemicals: The Wireless Telecommunications Facility will contain a 50kW propane generator.
- F. Signs: The signage will be posted on the fence/gate and tower. These are related to the Wireless Telecommunication Facility (See Drawing No Z6 of zoning drawings):
 - a. Caution sign 12"x8" placed on tower.
 - b. Site ID sign 18"x24" placed on fence.
 - c. Notice sign 8"x12" placed on fence.
 - d. No trespassing sign 12"x8" placed on all four sides of the compound.
 - e. RF guidelines sign 12"x8" placed on fence.
 - f. ASR # placed on tower. Letters to be 3" minimum.
- G. Emergency Services N/A
- H. Impact to surrounding Land Values N/A

3.

- A. Need and Desirability: The need for the 285' self-supporting tower is to provide reliable coverage and capacity in the immediate area near Siler City Glendon Road and Bonlee Bennett Road, which cannot be achieved with existing towers. We have provided a propagation map which depicts the before and after coverage on the referenced site's location.
- B. Survey of Similar Uses: There are other telecommunication facilities within Chatham County, however, there are no facilities within 1.5 miles radius of site's location.
- C. Public Provided Improvements: The installation of the 285' self-supporting tower will improve cell coverage for mobility users on Siler City Glendon and Bonlee Bennett Roads in addition to providing coverage to the rural home communities.
- D. Tax considerations: N/A
- E. Employment: N/A

4. This telecommunications tower will support the comprehensive plan for Chatham County, NC in several ways:
 - A. Access to robust telecommunications infrastructure is crucial for effective emergency response and public safety. This telecommunications tower can support communication networks used by first responders, enabling faster and more coordinated emergency responses during emergencies. This aligns with goals outlined in page 43 of Chatham County's Comprehensive Plan.
 - B. This telecommunications tower can enhance connectivity by providing better access to wireless services across the county. This aligns with goals related to rural residents' desire for farm-related small businesses and home occupations to provide additional income outlined in page 28 of Chatham County's Comprehensive Plan.
 - C. The development of this telecommunications tower will not require expansion of Chatham County's public utilities and public services due to its design as an unmanned facility which will not require a water source to operate. This aligns with Recommendation 01 of the Chatham County's Comprehensive Plan.
5.
 - A. Water Source and Requirements: This telecommunications tower will not require water.
 - B. Wastewater Management: This telecommunications tower will not have wastewater.
 - C. Water/Sewer Impact Statement: This telecommunications tower will not require public utilities.
 - D. Access Roads: Access to the telecommunications tower will be a new 20' wide gravel driveway constructed in accordance with NCDOT regulations. Access entrance will be off Bonlee Bennett Road. Per discussions with Tyler Kimes with the NCDOT District Office, this project will require a Commercial Driveway Permit.