

SECTION 7: MINIMUM DESIGN STANDARDS FOR TRANSMISSION AND COMMUNICATION TOWERS AND STATIONS

Standards for Telephone, Telegraph, and Communications Transmitter Stations and Towers; all transmitter stations, including towers and operating equipment shall adhere to the following standards:

- A. All towers with a height of one hundred fifty (150) feet (from the base to top) or more shall be constructed in accordance with Electronic Industries Association (EIA) Standard 222E-1991, utilizing a wind rating of eighty (80) miles per hour plus ice loading for Smith County, Tennessee. In addition, each application for a building permit shall be accompanied by an engineering report prepared by a professional engineer licensed in the State of Tennessee and competent in such design.
- B. The engineering report shall describe the height, design, and capacity of the tower. A site plan in compliance shall be approved by the Planning Commission and/or the Board of Zoning Appeals prior to the issuance of a building permit containing the following:
 - (a) The actual shape, location, and dimensions of the lot to be built upon.
 - (b) The name and address of the owner(s) of record.
 - (c) Present zoning classification of the lot to be built upon.
 - (d) All tower setback lines from existing property lines.
 - (e) The location of existing or proposed access roads and easements.
 - (f) The shape, size, and location of all structures and other permanent supporting equipment or structures contained on the lot to be built upon.
 - (g) Present tax map and parcel designation according to official record in the office of the Smith County Property Assessor.
 - (h) The location of the perimeter fence or any applicable screening requirements.
- C. All towers shall be set back from all property lines by a distance that is equal to:
 1. for a guyed tower, fifty (50) percent of the height, and
 2. for a self-supporting tower, the height of the tower plus twenty-five (25) feet.
- D. All applications for permits to build towers in Smith County must be accompanied with a Determination of No Hazard from the Federal Aviation Administration, as well as all required Federal Communications Commission Permit information.
- E. The entire tract containing the tower and equipment shall be enclosed with a fence no shorter than six (6) feet in height. Access gates will be locked at all times when the site is not occupied.
- F. Where the tower site abuts or is contiguous to any residential district, there shall be provided a continuous, solid screening, and it shall be of such plant material as will provide a year-round evergreen screening. Screening, as required herein, shall not be less than four (4) feet in height at the time of planting, and shall be permanently maintained.
- G. All towers that require marking or lighting shall be done in compliance with Federal Aviation Administration regulations, but no tower shall be lighted from dusk to dawn by any form of white flashing light unless required by the Federal Aviation Administration.