



22 October 2013

Wes Haskett
Town Planner/Code Enforcement Officer
Town of Southern Shores
Southern Shores Town Hall
5375 N. Virginia Dare Trail
Southern Shores, NC 27949

Re: AT&T Project 10114664.NF610 Tower Report

Mr. Haskett:

AT&T is proposing to construct a new 130' cellular tower at 148-A Ocean Boulevard in Southern Shores, North Carolina. This proposed structure will not exceed the minimum height necessary to accomplish the purpose for which they are constructed. The tower shall be a flag pole stealth structure and will be designed to support the antennas and coax cables required for carriers in at least three (3) mounting heights. AT&T will install three (3) antennas with three (3) cables at 127' AGL, three (3) antennas with twelve (12) coax cables at 117' AGL and the number and type of the antennas for the other carriers is yet to be determined. The proposed wireless telecommunications site will comply with all applicable FCC rules and regulations. The proposed tower shall conform to all structural requirements of the Uniform Statewide Building Code and shall meet the structural requirements of the current update to EIA-TIA-222, "Structural Standards for Steel Antenna Structures", published by the Electronic Industries Association. The proposed wireless structure, facilities and antennas shall meet or exceed accepted industry standards for wind loading, base stabilization and other critical engineering characteristics required by the Town Ordinances, the North Carolina Building Code and the American National Standards Institute (ANSI). The proposed structure and associated facilities shall be capable of withstanding winds of at least 135 mph. This information shall be provided in detail once the tower has been designed based on the upcoming geotechnical report as well as the proposed loading.

The proposed wireless support structure's fall zone is equal to one third of the tower height (43.33'), which is the requested setback. The proposed structure shall be designed to collapse within this requested setback.

It has been a pleasure to provide this information to you and please do not hesitate to contact me should you need more information. Thank you.

Sincerely,

O. Warren Williams, PE
President
NC License No. 32847

