

Harnett County

Telecommunications Site Review Equipment Upgrade Application

CityScape

C O N S U L T A N T S , I N C .

7050 W. Palmetto Park Road #15-652
Boca Raton, FL 33433-3483
Tel: 877.438.2851 Fax: 877.220.4593

May 1, 2018

Mr. Jay Sikes
Planning, Central Permitting & Inspections
108 East Front Street
Lillington, NC 27546

**RE: Harnett County / 18-50043762
Spring / RA73XC047**

Dear Mr. Sikes,

At your request, on behalf of the County of Harnett, North Carolina (County), CityScape Consultants, Inc. (CityScape), as telecommunications consultant for the County, has considered the application provided by SBA Communications Corporation for Sprint (Applicant) to replace equipment on an existing, one hundred ninety-five (195) foot *monopole* tower. The structure is owned by SBA Communications Corporation and is located at 6080 Highway 421 North, Lillington, North Carolina. The tower is not lighted but is registered with the FCC (ASRN #1259388) for an overall height of 199 feet. This probably includes a lightning rod.

Currently, the Applicant has three (3) panel antennas and six (6) RRUs at the one hundred ninety (190) foot level. It is proposed to add three (3) antennas and three (3) RRUs. A new hybrid feed line will be added to the existing three (3) feed lines.

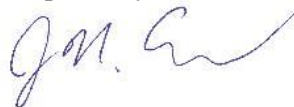
The Applicant provided FCC compliance statements regarding interference to other radio services and safeguards to human exposure of radio frequency energy in a letter dated March 22, 2018.

The Applicant also provided a structural summary by Tower Engineering Solutions, dated January 3, 2018, based on ANSI/TIA-222-G, Class II and exposure category "C" standards. The report states that the tower with the existing and proposed equipment will be loaded to 39.8% while the foundation will be 34.4%. It is noted that the analysis considers nine (9) RRU's, thus the calculated loading is likely less than shown above.

To qualify for the Middle-Class Tax Relief and Job Creation Act of 2012 a service provider cannot increase the height or girth of the support structure more than 10% or 20 feet, whichever is greater, and under NC Law, the ground compound can be expanded up to 2,500 square feet. Neither is applicable in this situation. Therefore, the proposed changes qualify for streamlined processing at staff level. CityScape recommends this application for approval.

I certify that to the best of my knowledge all the information included herein is accurate at the time of this report. CityScape only consults for public entities and has unbiased opinions. All recommendations are based on technical merits without prejudice per prevailing laws and codes.

Respectfully submitted,



Jonathan N. Edwards, P.E.
CityScape Consultants, Inc.