



March 9, 2016

County of Albemarle
Department of Community Development
401 McIntire Road
Charlottesville, VA 22902

RE: NTELOS Application for Personal Wireless Service Facility Tier 1 & Special Exception - CV330 Earlysville Water Tank

Dear Sir/Madam:

Virginia PCS Alliance, L.C. ("NTELOS") requests the consideration of Albemarle County for an Application for a Tier 1 personal wireless service facility and special exception located on property owned by 4F, LLC, described as tax parcel 03100-00-00-021A0, and zoned Light Industry in the Rio District. The proposed wireless service facility is located at 395 Reas Ford Road, Charlottesville.

Virginia PCS Alliance, L.C. ("NTELOS") is in the process of enhancing its existing 3G voice and data network by replacing old network equipment with 4G/LTE (Long Term Evolution) equipment at most of its wireless telecommunications facilities in the County, which will provide improved call performance, expanded coverage, faster downloads and stronger indoor signals for its customers. The current 3G voice and data network utilizes the 1900 MHz spectrum only. Because of a unique partnership that NTELOS has with Sprint, NTELOS is able to have diverse spectrum available for its use. The proposed NTELOS 4G/LTE equipment upgrades will use a tri-band system that will: 1) repurpose old Nextel spectrum (800 MHz spectrum) for increased coverage and better in-building coverage, 2) use Clearwire spectrum (2.5 GHz spectrum) for increased data capacity and 3) continue to use the existing Sprint/NTELOS spectrum (1900 MHz spectrum). By using this tri-band system, NTELOS and Sprint customers will have LTE enhancement, improved call quality and diverse data capacity.

NTELOS is requesting an Application for Tier 1 Personal Wireless Service Facility to upgrade its equipment on this water tank. NTELOS first installed its equipment on this tower in 2000. Currently, NTELOS has (6) panel antennas located on the handrail of the water tank at the 110' radiation center line along with base station equipment on the ground below the water tank. NTELOS was only required to have a building permit for the installation in 2000 – see attached. With this proposal, NTELOS is proposing to remove the existing (6) panel antennas and replace them with (3) tri-band panel flush mounted antennas at the 110' radiation center that will support multiple spectrum capabilities for 4G/LTE services and (6) remote radio head amplifiers on the handrail of the water tank beside the proposed antennas. The proposed antennas and remote radio head amplifiers will meet the current mounting standoff/projection requirements pursuant to 5.1.40(b)2c of the Ordinance.

Two (2) of the (3) proposed antennas will exceed the 1,400 square inch size requirement pursuant to section 5.1.40(b)2b of the Ordinance. The (2) antennas that will require a special exception to the size requirement will measure (72"x23.3") 1,677.6 square inches. NTELOS is requesting a special exception to the size requirement to exceed the 1,400 square inches by 277.6 square inches – a measurement smaller

than an 11"x17" piece of paper. The larger antenna will provide a stronger signal to connect this site at the Earlysville Water Tank to the adjacent sites along Earlysville Road (CV102 Airport Road) and Reas Ford Road (CV202 Foxfield). A higher gain antenna that will allow the signal to reach the adjacent sites in this rural area will allow the signal not to drop and require a new site to be built. Attached are photo simulations showing the proposed antenna upgrade.

This proposal will deliver a much improved customer communications experience and will serve the public health and safety needs to the community by providing increased wireless voice capabilities and improved high speed data services to this well-traveled area of Albemarle County with minimal visual impact on the surrounding area. I look forward to receiving your comments regarding this proposal. Please feel free to contact me if you need additional information.

Sincerely,



Jessie Wilmer

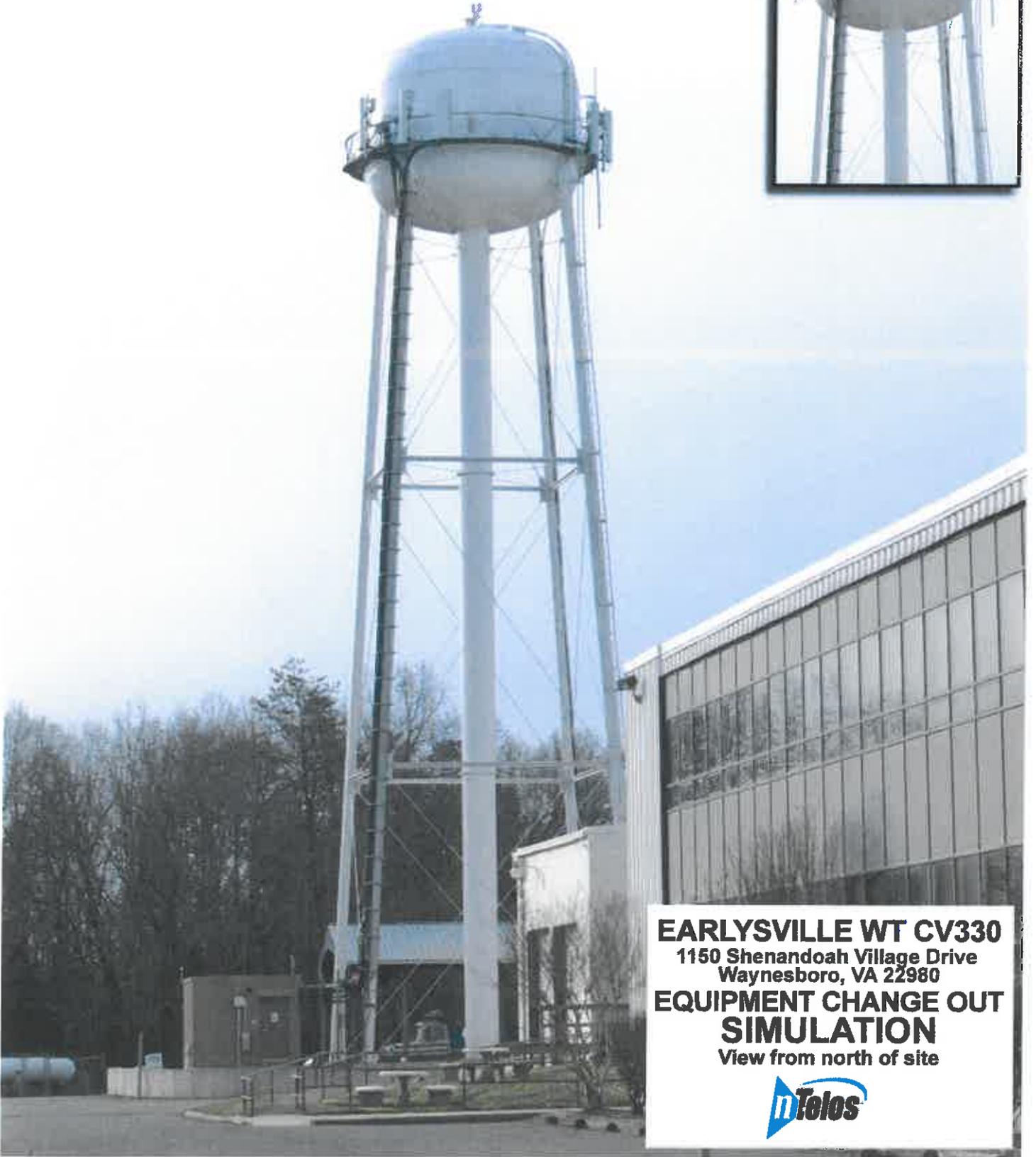
NTELOS

Sr. Site Acquisition Specialist

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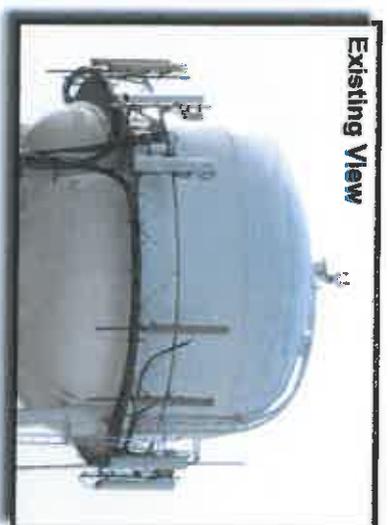
Existing View



EARLYSVILLE WT CV330
1150 Shenandoah Village Drive
Waynesboro, VA 22980
**EQUIPMENT CHANGE OUT
SIMULATION**
View from north of site



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