Cypress Elementary School

150’ Unipole Tower

CELL TOWER ARCHITECTURE & SITE INFORMATION

Tower Design

The Tower shall be designed to accommodate all local wireless carriers and in such a manner that it permits future subtenants' collocations with minimal or no disruption to existing Tower operations. Please see pictures below for two unipole-type Towers completed at other Pasco County Schools.

160' Unipole at Gulf Trace ES (Feb 2014)

180' Unipole at Sunlake/ Rushe (Sept 2012)

Fence

The secured area containing the Tower and building(s) shall consist of a surface of gravel, or as consistent with local governing authorities such as SWFWMD. Vertex proposes that the tower and improvements shall be encompassed by a chain link fence with a lockable gate at an approximate height of six (6) feet. Please see the example picture on the next page. This is compliant with Safe Schools requirements.

Easements

The access easement will utilize the existing paved and gravel access. If any further access is needed, Vertex proposes gravel ground cover in order to accommodate necessary construction traffic and associated equipment for the compound, utilities, ground equipment, etc. If any damage occurs as a result of Vertex's construction of the Tower, Vertex and its contractors will work diligently to restore the easement and surrounding area to its pre-construction condition. The site should acquire minimal traffic, as carriers require only one trip per month for maintenance. Therefore, the impact to vehicular traffic on should be minimal. Finally, electrical power and telephone for the site must be supplied along established drive paths.

Maintenance

Post-construction, Vertex, Expert, and the sublessees/ subcontractors will maintain as necessary the tower, any equipment, and other required procedures in accordance with the Land Lease Agreement and local Ordinances. Carriers, on average, require one trip per month to test generators and perform any other required maintenance.

Vertex ensures to DSBPC that all groups involved would orchestrate the site design and site plans to superior technical quality (compliant with all applicable permitting codes) and are clear and concise. We pride ourselves on our diligence to satisfy all parties involved and to meet deadlines while ensuring that no quality is ever sacrificed.

Removal and Restoration of Site

Upon the earlier expiration or termination of the Agreement, all personal property and trade fixtures of Vertex and/or its Sublessees, specifically including the tower and buildings, shall be removed by Vertex and/or its Sublessees within ninety (90) days after the expiration or earlier termination of this Agreement. Vertex shall have a limited easement for the ninety (90) day period in which to enter upon the former Leased Premises and complete the removal as contemplated herein. Once the ninety (90) day period has expired, Vertex shall no longer have the right to enter upon the former Leased Premises without the prior written consent of Owner. Notwithstanding the foregoing, upon expiration or earlier termination of this Agreement, Vertex shall not be required to remove any foundation more than two (2) feet below grade level.

Site Location

Vertex would require approximately 2,500 square feet of lease area in order to accommodate for the Tower and all of the wireless carriers' equipment (shelters, generators, etc.). The image below depicts a 50' x 50 compound. Of course, the final location and size would be approved by means of a survey.

Radiofrequency Information

Some people have concerns about potential adverse health effects from the nearby siting of telecommunications towers. Please see the website links below to answer any of your questions and concerns regarding radiofrequency (RF) exposure from towers.

Federal Communications Commission
"Radiofrequency emissions from antennas used for cellular and PCS transmissions result in exposure levels on the ground that are typically thousands of times below safety limits…there is no reason to believe that such towers could constitute a potential health hazard to nearby residents or students."
http://transition.fcc.gov/oet/rfsafety/rf-faqs.html#Q15

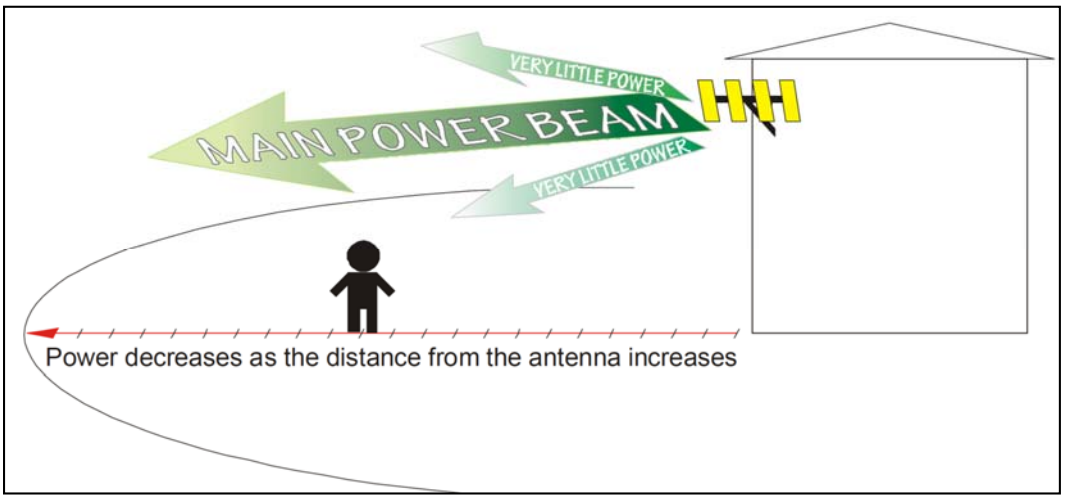

Illustration how radiofrequency signals travel from a tower.

American Cancer Society
"At ground level near typical cellular base stations, the amount of RF energy is thousands of times less than the limits for safe exposure set by the FCC and other regulatory authorities. It is very unlikely that a person could be exposed to RF levels in excess of these limits just by being near a cell phone tower."
http://www.cancer.org/Cancer/CancerCauses/OtherCarcinogens/AtHome/cellular-phone-towers

World Health Organization
"Considering the very low exposure levels and research collected to date, there is no convincing scientific evidence that the weak RF signals from base stations and wireless networks cause adverse health effects."
http://www.who.int/mediacentre/factsheets/fs193/en/

AGL Magazine
"It may seem counterintuitive, but sometimes the best way to reduce RF exposure for schoolchildren who use their cell phones is to place the antenna tower closer to the school."
http://rfsafetysolutions.com/PDF%20Files/AGL_NOV09_Tower_Safety.pdf