

TUC Ram
Planning and Development
Town of Oro Valley

RE: Use Permit Request
New Wireless Communications Tower for Verizon Wireless
Location: ADOT County ROW near 11167 N. Oracle Rd.
APN: ADOT County ROW

The attached application is submitted:

--BY--

Pinnacle Consulting Inc.
Attn: Michelle Lamoureux
1426 North Marvin Street #101
Gilbert, AZ 85233
Office: 480-664-9588

--FOR--

Verizon Wireless
126 W. Gemini Dr.
Tempe, AZ 85283

Questions related to this application should be directed to:

Michelle Lamoureux at (480) 664 9588 x 230

Michelle.Lamoureux@pinnacleco.net



SUMMARY

Verizon Wireless proposes to install a new Wireless Communication Facility atop an existing 57' Tucson Electric Power-owned monopole utility pole. With the new facility installed, the overall height of the structure will be 70'-0".

Verizon Wireless Wireless Communications Facility Name: TUC Ram

Facility Description

Verizon Wireless is proposing co-location on an existing 57' TEP-owned monopole utility pole along N. Oracle Rd.. With the facility installed, the overall height of the structure will be 70'-0". Antennas will be housed in a stealth canister shroud. Antennas will be mounted at a centerline of 66'. Necessary ground equipment will be installed in a specially-designed outdoor cabinet on a new 5'x13' stealth-screened platform in an adjacent new space leased from ADOT. This site is determined to be the least obtrusive means to fill the gap in coverage in this area.

Relationship to Surrounding Properties

Enhancing the surrounding area with a new wireless communications facility will provide consistent coverage. The facility should have few, if any impacts, beyond providing service to the existing Verizon Wireless and future additional carrier customers. There should be no discernible impacts to pedestrian or vehicular transit, and the facility will not emit odor, dust, gas, noise, vibration, smoke, heat or glare.

Feasibility of Small Cell Facilities

A greater number of smaller facilities can be an effective tool when filling small gaps (~300' radius) in dense urban environments when large macro sites already exist nearby. In this situation Small Cells would not be an effective solution without the larger umbrella coverage of a Macro site, as is being proposed. The topography of this area necessitates a macro structure to adequately achieve Verizon Wireless's RF objectives.

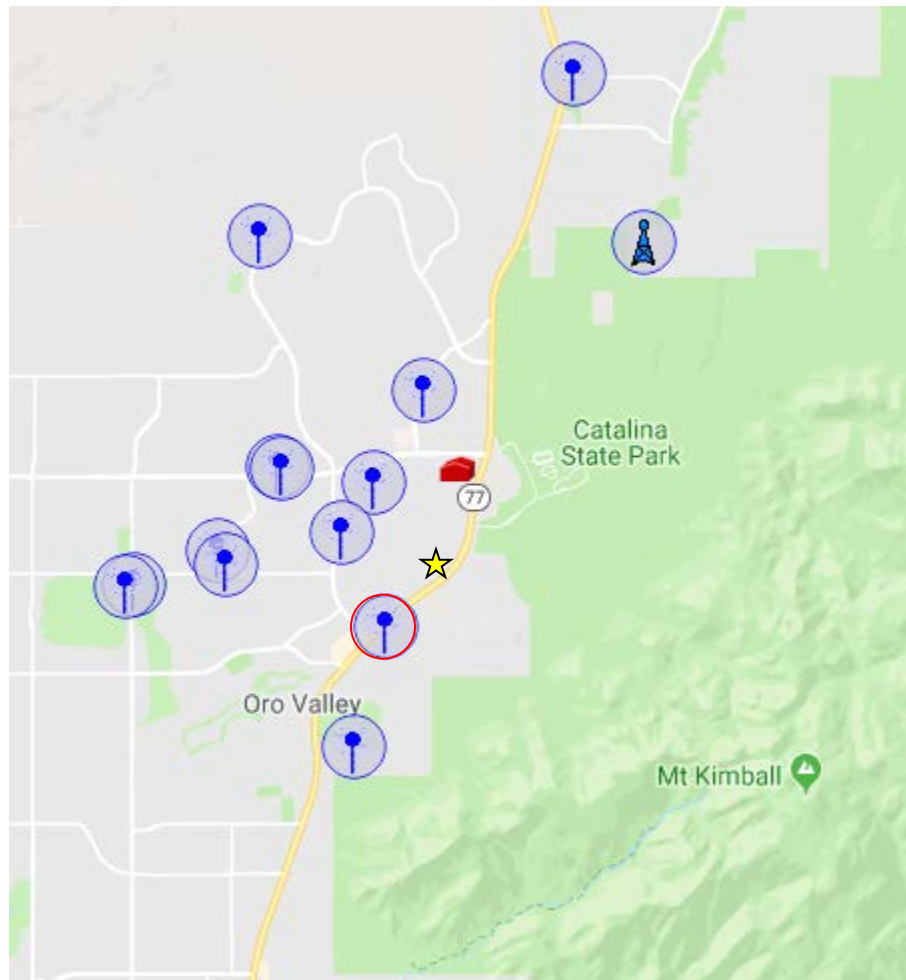
Effects on Emergency Services

As a capacity objective site, denial of this request would continue the reliance on existing facilities. As technology and usage increases, as is the trend, Emergency services and customers utilizing Verizon Wireless will experience slower connections and more dropped calls as more devices are connecting to the limited number of existing facilities.

Existing Wireless in the Area

Below is a search performed using the platform AntennaSearch.com, which lists other wireless antennas and structures in the area. The red icon indicates the researched location (in this case the website

defaulted to a location slightly north of the proposed facility, yellow star indicates more accurate location of proposed site). The nearest antenna location, outlined in red below is a building-mounted facility .75 mi SW. The nearest registered tower is located at the Pima Pistol Club over 4 mi NE of the proposed site and is well out of the Verizon Wireless search ring to be considered a feasible solution. Additionally the Pima Pistol Club tower existence could not be confirmed visually.



Traffic + Parking

The facility proposed will not generate significant trips once construction is complete, as tech maintenance will only occur about once a month to the site, usually during normal business hours. One Wireless Communication Facility parking space accounted for on site adjacent to compound. No additional parking spaces will be required.

Health and Safety

Per FCC and FAA guidelines, the facility will be constructed and operated within conformance to federal codes.

Public Utilities and Services

Power and telco access are the only utilities required by the facility.

