

#31



25725 S.SONOITA HWY (83)
SONOITA, AZ
APN:# 307-16-001C

Pima County
Board of Supervisor's Hearing
Conditional Use Permit
November 10, 2015

Purpose of the facility

Expand Voice & High Speed Data Coverage to the Sonoita/Greaterville area & fill a significant ***“Gap in Service,”*** as determined by the FCC

The installation of the site will offer enhance reliable wireless coverage to wireless customers living, working & traveling in the area an provide for more effective & efficient wireless service to the Rural Community.

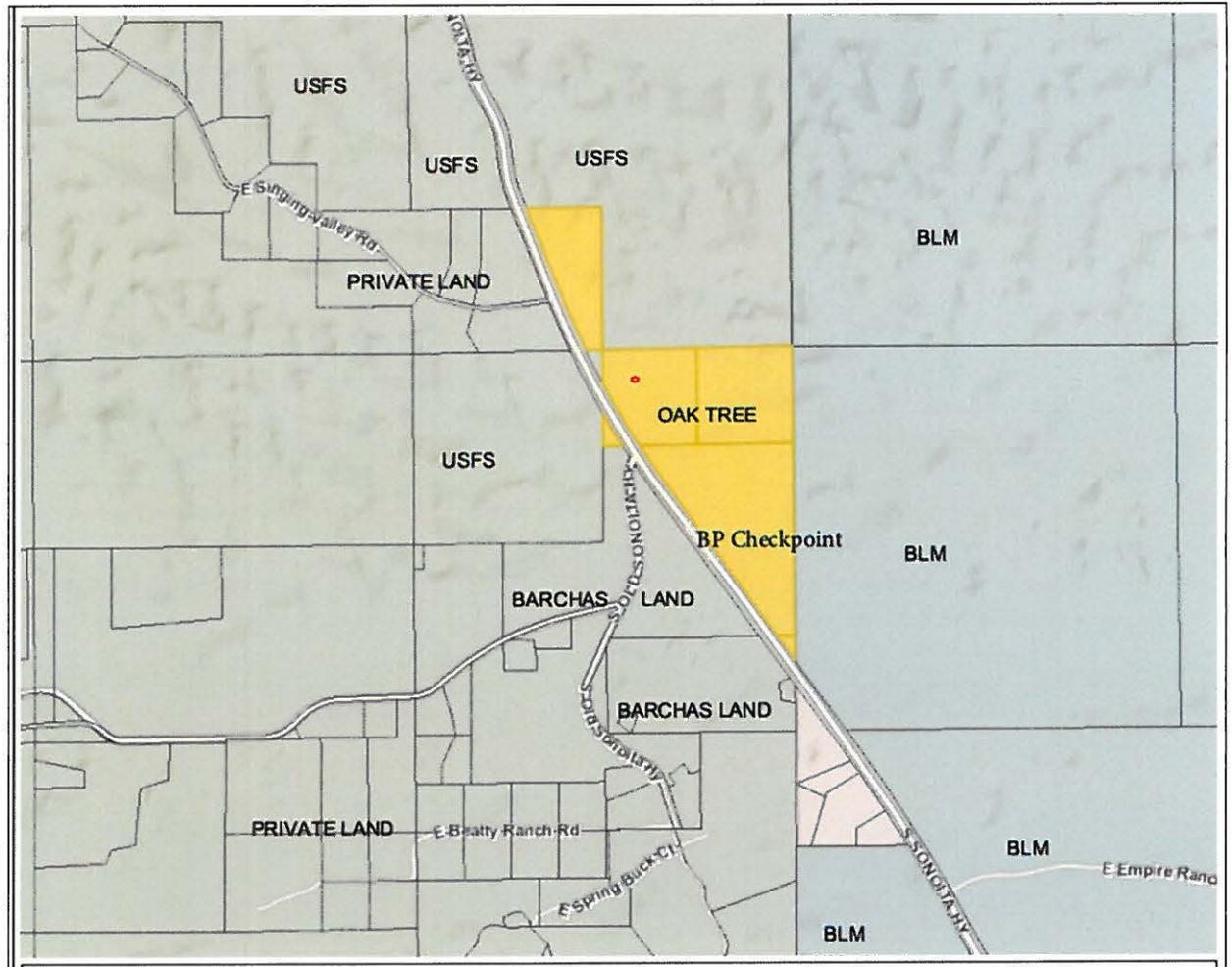
The proposed facility will:

- **Provide 4G/LTE (High Speed Data) service to a rural area that is currently under served.**
- **Fill a major gap in wireless service for local residents, commuters and emergency service personnel.**
- **Proposed height (130’) of the WCF will meet overage objectives, fill Gaps & overcome some of the challenges of the varying topography of the area.**

OAK TREE LAND & CATTLE RANCH

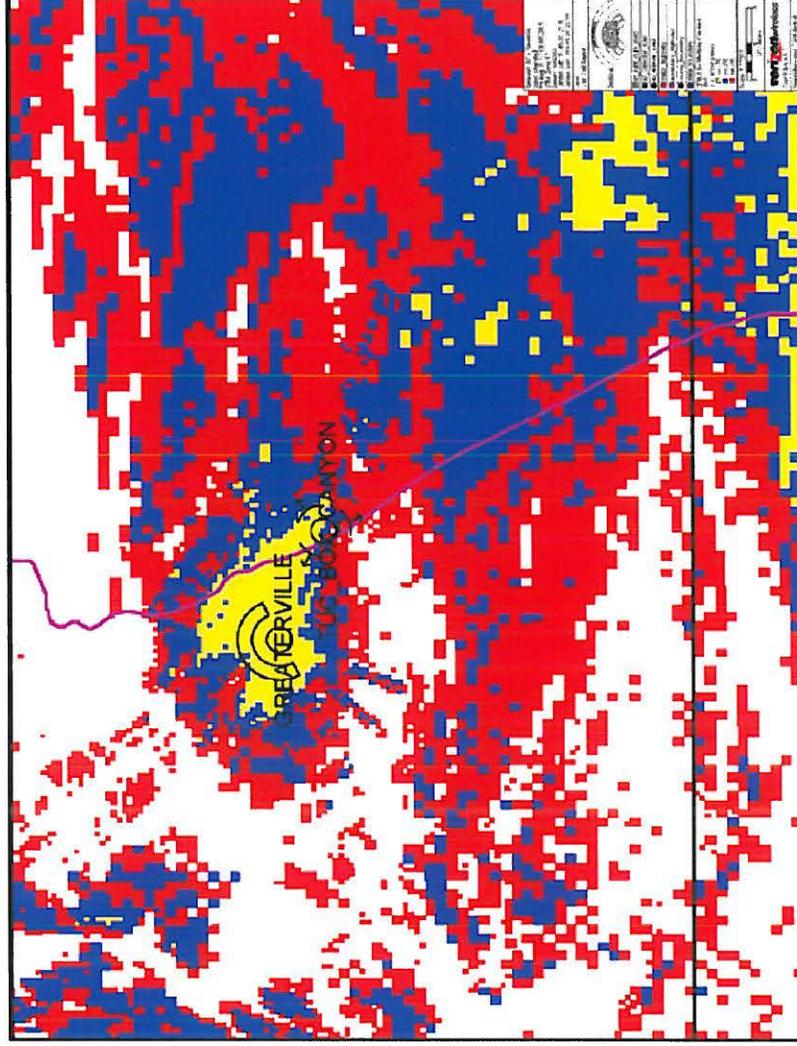
PROPOSED COMMUNICATION FACILITY:

- Site is located on a 10 acre portion of the 178 acre ranch.
- 650'+/- East of Highway 83
- Proposed site is at an elevation 21' lower than Highway 83.
- 130' Windmill Structure, with a 50'x50' fenced compound.



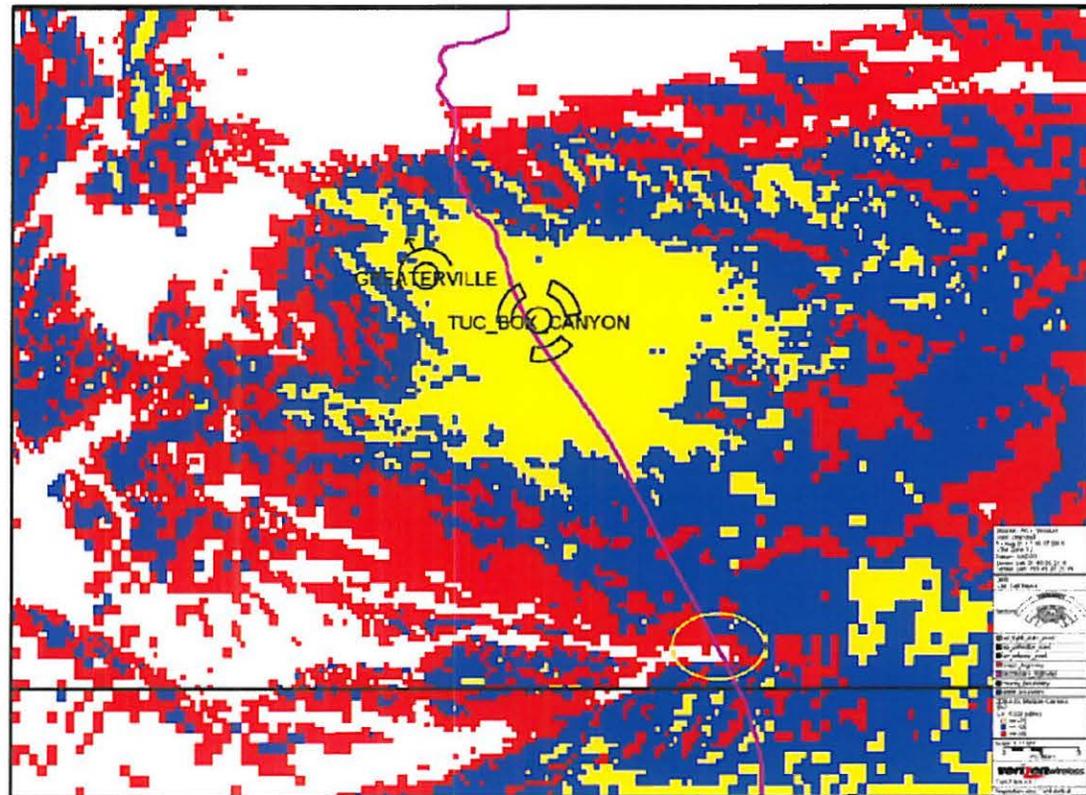
Existing Coverage

- Yellow – In-building voice and data signal strength
- Blue – Outside voice and data
- Red – Outside voice only
- White – No signal



Coverage for proposed tower at 130' c/l

- Due to terrain, 130' is absolute minimum height needed at proposed location to maintain existing coverage
- Added benefits of improved voice and data coverage
- Almost continuous data coverage south to County line



*Coverage hole can only be eliminated with a taller tower

Wireless service users:

- First Responders
 - Pima County Sherriff (Radios/Mobile Data /and some Phones)
 - Sonoita-Elgin Fire District - EMT (Radios and Phones)
 - Arizona Department of Public Safety (Radios/Mobile Data /and Phones)
 - Boarder Patrol (Radios/ and Personnel Phones)
- Area Residents
- Ranchers
- Commuters
- Business owners & their employees
- Area Visitors/Recreational users
- Government Agencies: U.S. Forest Service / BLM/State Land

Traffic Data - ADOT

- Local ID:100897
 - Located on: SR 83
 - Direction:2-WAY
 - Count:**1986** (2014 AVG)
 - NB Count:978 (2014)
 - SB Count:1007 (2014)
- DAYLE VOLUME COUNT
 - Thu 8/6/2015 - 1,662
 - Wed 8/5/2015 - 1,705
 - Tue 8/4/2015 - 1,804
 - Mon 8/3/2015 - 1,683
 - Sun 8/2/2015 - 2,009
 - Sat 8/1/2015 - 2,354
 - Fri 7/31/2015 - 1,919
 - Thu 7/30/2015 - 1,770
 - Wed 7/29/2015 - 1,733
 - Tue 7/28/2015 - 1,839

4G/High Speed Data-Drive Test: GreaterVile

Area 6/22/2015



Appearance: North of site

BEFORE



PREPARED 10/27/15 BY:

CLEAR BLUE SERVICES
10215 PAPER RD.
THINK, ALIEN, REORGANIZE

EXISTING VIEW
LOOKING SOUTHEAST
TUC BOX CANYON




VIEW ORIENTATION MAP

AFTER



PREPARED 10/27/15 BY:

CLEAR BLUE SERVICES
10215 PAPER RD.
THINK, ALIEN, REORGANIZE

PROPOSED VIEW
LOOKING SOUTHEAST
TUC BOX CANYON




VIEW ORIENTATION MAP

View of Proposed WCF from the Entrance to Oak Tree Land & Cattle Ranch



PREPARED 10/27/15 BY:



**PROPOSED VIEW
LOOKING EAST**
TUC BOX CANYON



VIEW ORIENTATION MAP

View from the Border Patrol Checkpoint

BEFORE



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Services
OF A PASS IN.
TUC BOX CANYON

EXISTING VIEW
LOOKING NORTH
TUC BOX CANYON



VIEW ORIENTATION MAP
VCW1

AFTER



PREPARED 10/27/15 BY:
Clear Blue
Services
OF A PASS IN.
TUC BOX CANYON

PROPOSED VIEW
LOOKING NORTH
TUC BOX CANYON



VIEW ORIENTATION MAP
VCW1

Summary

- This site is required by Verizon Wireless to fill a “Significant Gap” in service south to the county line and to replace & upgrade service from an obsolete site being decommissioned.
- This location is the only alternative that maintained an acceptable separation from residential neighborhoods, while still meeting the coverage objectives.
- This site will be in full compliance with all FCC & FAA regulations. Verizon Wireless utilizes Federal licensed and regulated frequencies and power output.
- Site is the least obtrusive means to fill the gap in service & allow Verizon Wireless to provide effective & efficient wireless service to the Community.
- Facility won't alter the nature of the area in any manner that substantially limits, impairs or precludes the use of surrounding properties for their primary use.