



**DATE:** November 6, 2015  
**TO:** Honorable Board of Supervisors  
**FROM:** Tom Drzazgowski, Deputy Chief Zoning Inspector  
**SUBJECT:** November 10<sup>th</sup> Board Agenda Item #31 – Conditional Use Permit P21-15-015 –  
Additional Material

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The applicant in the above referenced case has modified the type of camouflage design used for the proposed communication tower. The tower was originally proposed to be monopole which would be painted a stone mason gray non-reflective color. The tower company has changed the tower to a faux windmill. The tower height will remain unchanged and the windmill design will be used to camouflage the site. The applicant has provided revised plans and updated before and after photo simulations to show how the proposed tower will look from different locations in the area. The Pima County Hearing Administrator reviewed the proposed change is supportive of the revised design.



## Site Name: TUC BOX CANYON

25725 S. SONOITA MOUNTAIN VIEW HIGHWAY  
SONOITA, AZ 85637

APN: 307-16-001C



Wavelength Management  
2200 E. Williams Field Rd.  
Suite 200  
Gilbert, AZ 85295



NOTE: AREAS UNDERLINED HAVE BEEN REVISED FROM ORIGINAL SUBMITTAL

## PURPOSE OF REQUEST

APC Towers, in conjunction with Verizon Wireless is requesting a Conditional Use Permit to install a Wireless Communication Facility (WCF). The proposed facility will provide wireless services, as required by Verizon Wireless' FCC license, to fill a significant "Gap in Service". This site is necessary to:

- Provide technological advancements to Rural area residents & commuters
- Maintain reliable service to a growing number of customers
- Provide 4G/LTE (high speed data) service to an area that is currently under served.
- Expand voice coverage to the area.
  - Verizon Wireless to replace an existing obsolete single sector site with a three sector site to provide better service & coverage to the Sonoita- Greaterville area.
- Meet the challenges of the varying topography of the area.

## DESCRIPTION OF PROPOSAL

APC Towers is proposing to develop a wireless communications facility within a parcel of land that is owned by Oak Tree Land & Cattle Company. The proposed facility will be located on a 10 acre portion of Oak Tree's 178 acre cattle ranch that is zoned "Rural Homestead" (HR). The property is surrounded on the North, South, East & partly to the west by "Institutional Reserve"(IR) lands under the ownership of the United States of America; USFS & BLM. With some property to the West of the subject site, privately owned and zoned HR.

The majority of property in the area is undeveloped pasture land owned by the United States of America.

This location has been carefully selected to limit the visual impact to the area while accomplishing Verizon Wireless' and other carriers needs to provide a high quality and reliable service to their customers including: commuters, residents, local businesses and *first responders*.

APC Towers is proposing to lease approximately 2500 square feet of land from Oak Tree Land & Cattle Company for the Wireless Communication Facility (WCF). The proposed site will be designed to accommodate multiple wireless carriers, with Verizon Wireless being the first carriers to utilize the facility. The proposed WCF will consist of a new one-hundred thirty foot Self Supporting Tower (135'- top of antennas) designed with a faux windmill feature at the top. Initially the Windmill Structure will consist of twelve, eight foot antennas & a six foot microwave dish, with the fan blades of the windmill as a predominate feature at the top of the structure. The lease area will be enclosed by a six foot tall chain link fence, with parking and turn around space for field technicians. Utilities will run over head from the "right of way" (ROW) on existing utility poles to the property, then underground to the communication compound.

The Windmill Structure and all equipment on the tower will match a "Stone Mason Grey" color and have no reflective properties. This will help to blend the site into the horizon and limit impact of the site to the surround area.

This site is necessary to fill "Gaps in Coverage" to the area and replace an existing obsolete Verizon Wireless site that is being decommissioned to comply with legal entitlements that run with the land. With inadequate coverage & services in the area, and the limited ability to provide reliable voice and data service to their customers, the proposed WCF at this location is greatly needed in order to provide services and operate in the public's interest.

Propagation Maps provided show the current signal coverage and the projected coverage. The areas in Yellow would signify the best possible coverage, allowing for In-building voice and data signal coverage, with Blue areas

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allowing for outside voice and data, Red area mainly providing outside voice only. Areas in White would have very little to no coverage at all.

The site at the proposed location greatly enhances the coverage to the area and fills a current gap in coverage that is predominant in the area and provides for the replacement of coverage to the area served by the existing obsolete site. (Site cannot be upgraded to allow for high speed data.)

This site will not only assist area residents, but also aid commuters' and first responders to maintain connectivity in their travels and handoff to adjacent sites, while maintaining clear and reliable voice & data signals.

According to ADOT's continuous counter station located along Hwy 83 just north of the Oak Tree Land & Cattle Ranch, traffic along Hwy 83 average 1986 vehicles a day in 2014. A more precise current traffic breakdown is listed below:

<b>ADOT VOLUME COUNT - Location 100897</b>			
	<b>Date</b>	<b>Int</b>	<b>Total</b>
	Wed 8/26/2015	60	1,810
	Tue 8/25/2015	60	1,840
	Mon 8/24/2015	60	1,738
	Sun 8/23/2015	60	2,107
	Sat 8/22/2015	60	2,373
	Fri 8/21/2015	60	2,094
	Thu 8/20/2015	60	1,873
	Wed 8/19/2015	60	1,797
	Tue 8/18/2015	60	1,818
	Mon 8/17/2015	60	1,732

**RELATIONSHIP TO SURROUNDING PROPERTIES & NEIGHBORHOOD IMPACT**

The proposed installation of the communication facility will not be detrimental to persons residing or working in the vicinity, to adjacent properties, or to the public welfare in general. The site will only be accessible from Highway 83 by means of the existing unpaved roadway onto Ranch property.

The proposed WCF is located 675'+/- east of Highway 83 in an open pasture area on Oak Tree Land & Cattle's property, with the nearest residential building 1890'+/- to the northwest, across Highway 83. The only residential buildings in the vicinity on the east side of Highway 83 are owned by Oak Tree Land & Cattle Company.

The US Border Patrol operates the Sonoita Border Check Point Station south of the subject site on the east side of Highway 83, abutting Oak Tree's Property.

The areas to the North, South, East and some lands to the west of the proposed site are ranch/pasture lands owned by Oak Tree, USFS and the BLM. There are some private owned properties to the west and across Highway 83. (See attach Maps)

The proposed WCF is being placed in a location outside of any scenic easement in pasture land that is at an elevation twenty-one feet (21') lower than Highway 83 in an effort to lessen the visual aspect of the site to the surrounding area, while still maintain the coverage objectives of the site to provide service to the area and close gaps in coverage.

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With an elevation lower than the highway, the challenges to provide service to an area with a wide range of elevation changes, the requested height of 130 feet for the Windmill Structure ( 135' top of antennas) is necessary to meet coverage demands, provide reliable service & backhaul connectivity into the area. The proposed height of the structure will also allow adequate space for future wireless carriers to utilize the communication facility, thus avoiding the additional expansion of wireless facilities in the area.

The RF emissions from this site will be well within the FCC guidelines for a wireless communications facility.

#### **HOURS OF OPERATION/CIRCULATION SYSTEM**

The site will operate twenty four hours a day, seven days a week, but is an unmanned facility with no personnel or regular hours of operation. This development will not increase traffic. The ingress and egress to the site is provided from Highway 83 east to the facility on an existing unpaved road. Current plan is to grade and add gravel to the road.

#### **NOISE, LIGHT, NUISANCES AND OTHER ENVIRONMENTAL CONSIDERATIONS**

The proposed wireless communications facility will not use any water or generate any wastewater or solid waste. There will be a motion detecting exterior light outside the equipment door. The proposed facility will not generate any noxious odors, sounds glare or vibrations affecting existing uses or surrounding areas. The site is unmanned with no loading or unloading of supplies or materials storage. The only noise generated will be the operation of standard cooling unit fans and infrequent use of a backup generator. While the generator is running it will produce sound within the range of 70dBA. The generator will run during a loss of local utility power to maintain wireless service in the area. Otherwise, the generator will cycle an average of twice per month as part of maintenance.

The site will be connected to and monitored by a central switching center.

#### **ALTERNATIVE SITE REVIEW**

Every effort was made to find a site that complies with the Pima County's Code. The "Search Area" took into consideration the area around and adjacent to the intersection of Hwy 83 and Hwy 62. In the past, Verizon Wireless was unable to receive permission to locate a WCF on property west of HWY 83 along Hwy 62, so that area was remove from consideration.

In discussions with County Staff, if a site was still needed in the area to provide coverage, it was best to look to the east side of Hwy 83, away from residential areas.

With the majority of property on the east side of Hwy 83 owned by the Federal Government and other areas restricted by conservation easements, the clear choice was to locate the proposed WCF on unrestricted fee land at the proposed location.

The proposed site maintains the greatest separation from residential areas while avoiding areas designated under conservations easements to maintain open and scenic corridors. The owners of Oak Tree have meet with the holders of the Land Trust easements on their property & the major land owner in the area to review the proposed WCF with them and discussed the decision to allow a WCF on Oak Tree land.

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#### **DEVELOPMENT SCHEDULE**

The overall development of the site will take place as soon as possible, with construction taking approximately 60 days to complete, with the bulk of the work being accomplished in the first 4 weeks. The work will take place during regular business hours and will require the use of a crane & standard grading equipment. During this time there may be multiple vehicles and laborers performing the work.

After the completion of construction, the site will only require general maintenance (once or twice a month), with limited site visits by field technicians.

#### **SUMMARY**

The applicant believes that the characteristics of the site are appropriate and compatible with the proposed use of a wireless communication facility at this location, and will provide a service to the public. The issuance of a Conditional Use Permit approving the proposed installation of a Wireless Communication Facility will not alter the nature of the area in any manner that substantially limits, impairs or precludes the use of surrounding properties for their primary use or uses listed for their respective zoning districts.

## APPLICATION FOR CONDITIONAL USE PERMIT

### SUPPLEMENTAL INFORMATION REQUIRED FOR COMMUNICATION TOWER REQUESTS – Revised November 10, 2015 (BOS Hearing)

The Federal Telecommunications Act of 1996 requires local governments to address certain issues relating to the placement, construction and modification of wireless communication facilities, including cell towers, when reviewing conditional use permit requests. Hence, applicants must provide information on each of the following items as a part of their conditional use permit application.

1. Height & color of tower.

The proposed Wireless communication Facility (WCF) will consist of a 130' (135' top of antennas) Self Supporting Windmill Structure inside of a 2,500 square foot fenced compound. The Structure & attachments will be a "Stone Mason-gray" color with no reflective qualities.

2. Certification that tower will comply with all FAA, FCC and other applicable regulations.

The Facility and its use will comply with all FAA, FCC and other applicable regulations.

3. Possibilities of camouflage.

The proposed Windmill Structure is considered camouflaged, as the windmill fan blades will become a predominate feature at the top of the structure. Due to the required height of the tower & the need to meet the coverage objectives to the area and no discernible vertical structures to blend into the landscape with, it was determined that a windmill structure, designed and painted a non reflective color would be the best choice for the area.

4. Service coverage. (Is there an existing gap in coverage that presently impedes regular or emergency telephone service? If so, how will that gap be improved by the proposed tower or utility pole replacement? Provide propagation maps showing coverage gap before and after tower placement.)

The selection of this location will allow Verizon Wireless & other carriers to provide enhanced wireless service to an area that has significant gaps in coverage for area residents, commuters, government agencies and emergency services. Included with this submittal are propagation maps which show the "significant gap" in coverage that Verizon Wireless has in area, and will continue to have if the proposed site is not built.

#### **SUPPLEMENTAL INFORMATION:**

*The proposed site is not only necessary to provide the rural area residents, commuters and emergency services with a more reliable voice service, but improve the download and unloading of data at speeds comparable to services provided in metropolitan areas.*

*Proposed site will also fill the expanded coverage "Gap" created when an existing site to the Northwest is decommissioned to meet the legal entitlements that run with the land that it's on.*

5. Alternative sites explored. (Describe the alternate sites considered, including utility pole replacements, and explain in detail the reasons for their rejection. Be specific and thorough.)

Alternative locations have been explored by Verizon Wireless (west of Hwy 83, west on Hwy 62) but the location was controversial & could not get the required approvals. In further discussions with Pima County staff our direction was shifted and our search area moved to the east side of Hwy 83 away from residential areas. The only residents on the east side of the HWY near the proposed site would be the Ranch House on Oak Tree Land & Cattle's property.

Existing utility poles in the area would not provide the necessary height to meet the coverage objectives, and in most cases were prohibited from being use as communication sites, as the poles are on lands subject to conservation/scenic easement restrictions.

The proposed location allows the greatest amount of separation from existing residential homes, and is largely surrounded by pasture land owned by the United States of America; USFS & BLM.

**SUPPLEMENTAL INFORMATION:**

*As discussed above, alternative site were considered, but the overwhelming physical nature and location on the Oak Tree Land & Cattle Ranch made it the best possible choice for the proposed communication facility. The location is away from residential neighborhoods, 700 feet east of Hwy 83, behind any scenic corridor, and with 178 acres of deeded land, combined with US Forest Service grazing permits, Oak Tree has its own built in buffer zone from surrounding properties. The location also provides access to the necessary infrastructure to accommodate the operation of a communication facility.*

6. Possibilities for co-location on an existing tower or utility pole replacement. (Provide information, including a map, on the existing towers in the coverage area and list the reasons why each co-location or pole replacement is not feasible. Include distance to nearest existing communication towers and utility poles that were considered. In detail describe why co-location was not possible. Provide coverage maps of alternate co-location or utility replacement options. Be specific and thorough.)

A review of the area showed no existing vertical structures in the area that could be utilized to meet the coverage objectives and fill the gap in coverage.

An existing windmill on top of a hill behind the Ranch House, on the subject property was considered, but as a central focal point to the Ranch, an increase in the height & size of the windmill to meet coverage & collocation objectives, would have created a larger visual impact to the area than the proposed WCF located in a adjoining pasture down the hill.

7. Possibilities for more, shorter towers.

Due to multiple variations in the topography and limited infrastructure to support WCF's, in the rural area, the "more shorter towers", concept would not allow carriers to meet coverage objectives of the area without the initial installation of a taller tower that would provide backhaul connectivity to an existing site. In this case, an existing communication facility on top of Red Mountain, 20 miles away.

Also, additional shorter towers would need to encroach into residential neighborhoods and still be tall enough to meet coverage objectives and provide a line of sight to connect with other towers for backhaul connectivity in order for the site to provide the latest enhanced wireless services.

The subject site is designed to meet the needs of the area, provide service, and close the “gaps” in coverage that currently exists.

**SUPPLEMENTAL INFORMATION:**

*Verizon Wireless currently utilizes an old obsolete Alltel site to service a small portion of the Greaterville area. That site is 1 ½ miles to the Northwest from the proposed Box Canyon location. The site has; limited voice and data capacity, operates a single sector to the north, has no ability to be upgraded & provide connectivity for the current technology, and due to legal issues is scheduled for decommissioning by June 2016.*

*The changing topography of the area, the lack of adequate infrastructure to support today’s wireless technology combined with the requirement to avoid residential neighborhoods make it very difficult to do multiple sites, especially when the proposed site at the requested height will resolve the vast majority of coverage issues in the area and provide more reliable service and up to date wireless technology to an underserved rural area of Pima County.*

8. Provisions for tower removal.

Current agreement with Oak Tree Land & Cattle Company will span over thirty years, and provide for the proper removal of the site at the end of the agreement.

9. Possibilities of tower serving as a co-location site for other wireless providers.

Proposed WCF has been designed to serve as a collocation site and was planned for at least two other carriers.

**SUPPLEMENTAL INFORMATION:**

*The location of the proposed 130’ Windmill Structure is away from the residential neighborhoods, located over 700 feet east of Highway 83, at an elevation 21 feet below street level. The requested height of the tower allows Verizon Wireless to meet their coverage objectives to close “Gaps” in their service, and allow adequate space for future wireless carriers to utilize the communication facility, thus avoiding additional expansion of wireless facilities in the area.*

10. Government contracts with the wireless provider.

Yes.

**SUPPLEMENTAL INFORMATION:**

*Includes, but not limited to the following agencies;  
Sonoita-Elgin Fire District & EMT- phones (Would like to use mobile data)  
Pima County Sheriff’s Office- phones & mobile data  
Rincon Fire District – Phones & mobile data  
DPS- Phones & mobile data  
BLM  
US Fish & Wildlife  
Custom & Border Protection – Supervisors & individual Agents  
US Forest Service*

**PROJECT SCOPE**

APC TOWERS PROPOSES TO CONSTRUCT A NEW TELECOMMUNICATION FACILITY. THE PROPOSED FACILITY WILL CONSIST OF ONE (1) TOWER AND ONE (1) SHED. THE TOWER WILL BE INSTALLED IN THE COMPOUND UNDER THIS PERMIT. THE PROJECT WILL ALSO INCLUDE A NEW 600A MULTIMETER S.E.S. W/5' 200A METER SOCKETS, ON AN H-FRAME. VERIZON WILL UTILIZE (1) OF THE NEW 200A METER SOCKETS.

**PROJECT INFORMATION**

**SITE ADDRESS:** TUC BOX CANYON  
PIMA COUNTY  
25725 S. SONOITA HIGHWAY  
SONOITA, AZ 85637

**PROPERTY OWNER:** TIM & BARBER JACKSON  
4072 S. SONOITA HIGHWAY  
SONOITA, AZ 85637  
PHONE NUMBER T.B.D.

**APN:** 307-18-001C  
**ELEVATION:** 4918.7' (NAVD88)  
**LATITUDE:** 31° 47' 18.5" N  
**LONGITUDE:** -110° 41' 45.0" W  
**DECIMAL LATITUDE:** 31.788472  
**DECIMAL LONGITUDE:** -110.69583

**JURISDICTION:** PIMA COUNTY, AZ

**EXISTING USE:** 4717 (RANCH PROPERTY MIXED STRUCTURES) / W.C.F.  
**PROPOSED USE:** 4717 (RANCH PROPERTY MIXED STRUCTURES) / W.C.F.

**LEASE AREA:** 2,500 SF

**OCCUPANCY:** U

**CONSTRUCTION TYPE:** V-B (NON-SPRINKLERED)  
RH - RURAL HOMESTEAD

**ZONING:**

**APPROVALS**

APC TOWERS: \_\_\_\_\_ DATE: \_\_\_\_\_  
C.M. (CONST.): \_\_\_\_\_ DATE: \_\_\_\_\_  
LANDLORD: \_\_\_\_\_ DATE: \_\_\_\_\_  
LANDLORD: \_\_\_\_\_ DATE: \_\_\_\_\_  
SITE ACO: \_\_\_\_\_ DATE: \_\_\_\_\_



**TUC BOX CANYON  
AZ1132**

25725 S. SONOITA HIGHWAY  
SONOITA, AZ 85637

10/27/15	REPLACED MONOPOLE WITH LATICE WINDMILL	CH	AL
10/14/15	RODED FAUX WIND TURBINE	CH	AL
10/09/15	CLIENT COMMENTS ON OTHERS-ANTENNAS	SLD	CH
10/07/15	ADDED WINDMILL	SLD	CH
08/06/15	REVISED AW RAD CTR	CH	AL
07/16/15	REVISED AW RAD CTR	CH	AL
06/04/15	UPDATE MICROWAVE	CH	AL
06/02/15	FINAL ZONING DRAWINGS	CH	AL

PROFESSIONAL SEAL



SHEET TITLE

**TITLE SHEET**

SHEET NUMBER

**T-1**

**BUILDING CODES AND STANDARDS**

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL BUILDING CODES. THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION, THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN, BUILDING CODE.

INTERNATIONAL BUILDING CODE 2012

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE (NEC) 70  
LIGHTNING PROTECTION CODE: 2011  
[NFPA 780 - 2000, LIGHTNING PROTECTION CODE]

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL, THIRTEENTH EDITION
- STEEL DESIGNING MANUALS COMPANY ASSOCIATION (TIA) 222-C, SUPPORTING STRUCTURES FOR STEEL ANTENNA TOWER AND ANTENNA STRUCTURES.
- TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81 GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM  
IEEE 1000 (1999), RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT  
IEEE 652.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

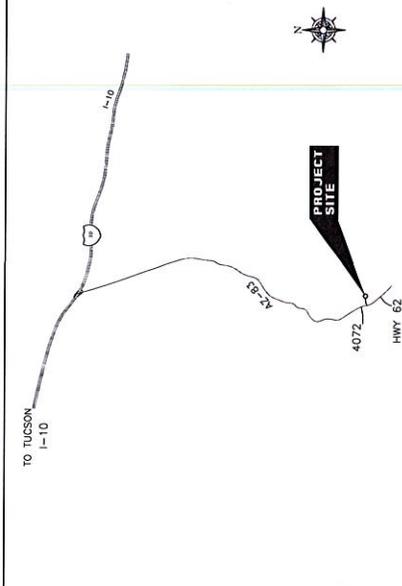
TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS  
TELCORDIA GR-1503, COAXIAL CABLE CONNECTIONS  
ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL METHODS OF CONSTRUCTION OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.  
SEISMIC ZONE "C"

**DIRECTIONS**

**DIRECTIONS:** FROM 2520 E. UNIVERSITY DR. HEAD WEST ON E. UNIVERSITY DR TOWARD AZ-101 (LOOP 101). TAKE RAMP ONTO SR-101 SOUTH TO I-10 EAST TOWARD TUCSON. CONTINUE ON I-10 EAST TOWARD TUCSON. EXIT ONTO SR-83 (SONOITA HIGHWAY) AND TAKE SOUTH TO TUCSON TO SR-83 (SONOITA HIGHWAY). EXIT ON TO SR-83 (SONOITA HIGHWAY) AND TAKE SOUTH TO SITE. AT 25725 S. SONOITA HIGHWAY, SITE WILL BE ON LEFT JUST PAST FR-4072.

**VICINITY MAP**



**SITE QUALIFICATION PARTICIPANTS**

A/E	NAME	COMPANY	NUMBER
	CHRIS HALL	CLEAR BLUE SERVICES	(602) 426-9500
	ROB JONES	WAY MANAGEMENT	(480) 205-0070
SITE ACO.	T.B.D.	VERIZON WIRELESS	T.B.D.
CARRIER	TIM & BARBER JACKSON	OAK TREE LAND & CATTLE LLC	T.B.D.
LANDLORD	T.B.D.		

**REV**

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**NOTES**

ANTENNA CONFIGURATION PER VERIZON WIRELESS "SLF" DATED 4/7/15

**REDLINE DRAWING REVIEW**

NAME (PRINT)	SIGNATURE	DATE
GENERAL CONTRACTOR - CONFIRM ACCURACY OF THESE REDLINE DRAWINGS	SIGNATURE	DATE
FIELD COORDINATOR - VERIFY INSTALLATION PER REDLINE DRAWINGS	SIGNATURE	DATE
NAME (PRINT)	SIGNATURE	DATE
ENGINEERING - County Engineer Shall Review Redline Drawings To Ensure Changes Do Not Alter The Original Design Intent And/Or Are Code Compliant		

**APC Towers**  
 3000 FEDERAL CUSTER PARKWAY, SUITE 110  
 MURFREESVILLE, NORTH CAROLINA 27850  
 PHONE: 704.271.1000  
 WWW.APC-TOWERS.COM

PROJECT INFORMATION:  
**TUC BOX CANYON**  
 25725 SOUTH SONOTA MOUNTAIN VIEW  
 HIGHWAY  
 SONOTA, AZ 85627

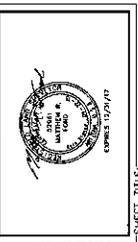
ORIGINAL ISSUE DATE:  
**04/09/2015**

REV. DATE DESCRIPTION BY:

0	04/09/2015	SUBMITTAL	CK
1	04/21/2015	REUSE LEASE, ADD CK EASEMENT	CK

PLANS PREPARED BY:  
 \_\_\_\_\_

**Ambit**  
 412 EAST SOUTHERN AVENUE  
 TEMPE, ARIZONA 85281-0072  
 DRAWN BY: \_\_\_\_\_ CHK: \_\_\_\_\_ REV: \_\_\_\_\_  
 LICENSE: \_\_\_\_\_

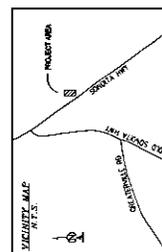
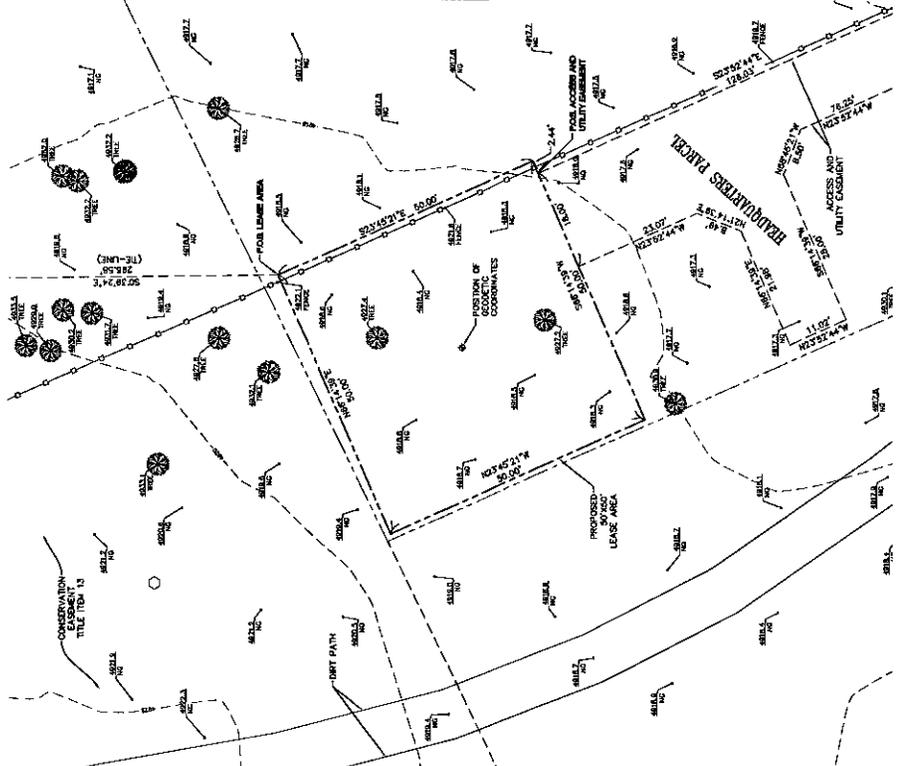


SHEET TITLE:  
**SITE SURVEY**

SHEET NUMBER:  
**LS-1**

- LEGEND**
- TOP OF BUILDING
  - D/W ACCESS DRIVEWAY
  - R/W RIGHT OF WAY
  - TOP OF SLOPE
  - TOP OF SLOPE
  - TREES
  - POWER POLE
  - POSITION OF GEODETIC COORDINATES
  - SPOT ELEVATION
  - WIRE FENCE
  - SECTION LINES
  - SUBJECT PROPERTY LINE
  - EASEMENT LINES
  - MAJOR CONTIGUOUS INTERVAL
  - MINOR CONTIGUOUS INTERVAL

**POSITION OF GEODETIC COORDINATES**  
 LATITUDE 31° 47' 14.07" NORTH (NAD83)  
 LONGITUDE 109° 41' 43.07" WEST (NAD83)  
 ELEVATION @ 4071.7' (TWISS03)



**DIRECTIONS TO SITE**  
 FROM SKY PARKER INTERNATIONAL AIRPORT  
 TAKE STATE HIGHWAY 101 SOUTH AND CUT RIGHT  
 TOWARD SONOTA/PATAGONIA. MERGE INTO AZ-83/  
 SONOTA HWY TOWARD SONOTA/PATAGONIA. SITE IS ON  
 RIGHT

