

# Staff Summary Report



Hearing Officer Hearing Date: 10/04/11

Agenda Item Number: 5

**SUBJECT:** This is a public hearing for a request by **CRICKET SITE PHX 190** located at 2055 South Price Road for one (1) use permit.

**DOCUMENT NAME:** 20111004cds102 **PLANNED DEVELOPMENT (0406)**

**COMMENTS:** Request by **CRICKET SITE PHX 190 (PL110329)** (Scott Quinn/Quinn United Enterprises, applicant; ADOT, property owner) located at 2055 South Price Road in the AG, Agricultural District for:

**ZUP11086** Use permit to increase the height of an existing monopole from 53 ft. to 59 ft. for the addition of communication antennas.

**PREPARED BY:** Sherri Lesser, Senior Planner (480-350-8486)

**REVIEWED BY:** Steve Abrahamson, Planning & Zoning Coordinator (480-350-8359) *SEA*

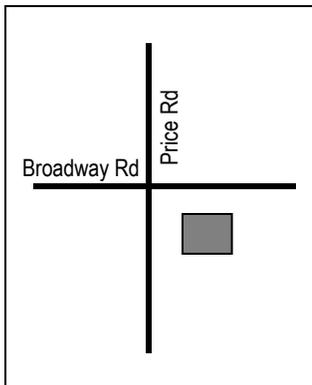
**LEGAL REVIEW BY:** N/A

**DEPARTMENT REVIEW BY:** Steve Abrahamson, Planning & Zoning Coordinator (480-350-8359)

**FISCAL NOTE:** There is no fiscal impact to City funds.

**RECOMMENDATION:** **Staff – Approval, subject to conditions**

**ADDITIONAL INFO:**



The applicant, Cricket Wireless, is requesting a use permit to allow the increase an existing monopole from 53 ft. to 59 ft. In addition, the width of the antenna encasement canister will increase from a 16" diameter to a 26" diameter. Staff supports approval of the request subject to conditions. To date, one telephone inquiry from the public input has been received. They were not opposed to the proposed expansions.

**PAGES:**

1. List of Attachments
2. Comments; Reasons for Approval
3. Conditions of Approval; History & Facts/Description; Zoning & Development Code Reference

**ATTACHMENTS:**

1. Location Map(s)
2. Aerial Photo(s)
- 3-4. Letter of Intent
5. Photo Simulation
- 6-9. Plans

## COMMENTS:

The applicant, Cricket Wireless, is requesting a use permit to increase the height of an existing monopole from fifty-three (53) feet to fifty-nine (59) feet and increase the width of the antenna encasement canister to a diameter of 26 inches. The property is located at 2055 South Price Road in the AG-Agricultural District. The site is ADOT Right of Way along east side of the 101 Freeway Frontage Road. No additional equipment will be required with the expansion. The existing monopole currently has one (1) other carrier; Sprint.

### Public Input

To date, one telephone inquiry from the public was received regarding this request. They were not opposed to the proposed expansions as long as the pole maintained the stealth appearance with no other appendages.

### Use Permit

The Zoning and Development Code requires a use permit for an expansion of wireless telecommunication structures in all zoning districts including the AG, Agricultural District.

This use permit request meets all applicable tests in the following manner:

- a. Any significant increase in vehicular or pedestrian traffic in adjacent areas;
  - There will be no significant increase in vehicular or pedestrian traffic in adjacent areas.
- b. Nuisance arising from the emission of odor, dust, gas, noise, vibration, smoke, heat, or glare at a level exceeding that of ambient conditions;
  - As the proposal is for an increase in height of a monopole; there should be no nuisances.
- c. Contribution to the deterioration of the neighborhood or the downgrading of property values which, is in conflict with goals, objectives or policies for rehabilitation, redevelopment, or conservation as set forth in the city's adopted plans or General Plan.
  - There is no evidence that supports a downgrading of surrounding property values. The monopole exists today and has not been proven a detriment to the surrounding neighborhood.
- d. Compatibility with existing surrounding structures and uses;
  - The proposed use appears to be compatible with surrounding the uses.
- e. Adequate control of disruptive behavior both inside and outside the premises, which may create a nuisance to the surrounding area or general public.
  - A wireless communication tower should not attract disruptive behaviors; the facility will be adequately controlled.

### Conclusion

Staff recommends approval of the use permit

### REASON(S) FOR APPROVAL:

1. No apparent nuisance resulting from noise, smoke, odor, dust, vibration, or glare.
2. No apparent hazards to persons or property from possible explosion, contamination, fire or flood.
3. Traffic generated by this use should not be excessive.
4. The use appears to be compatible with the building, site and adjacent property.
5. Approval of the use permit will not be materially detrimental to persons residing or working in the vicinity, to adjacent property, to the neighborhood or the public welfare in general.

**SHOULD THE HEARING OFFICER ELECT TO TAKE AFFIRMATIVE ACTION ON THE REQUEST, THE FOLLOWING CONDITIONS OF APPROVAL SHOULD APPLY.**

**CONDITION(S)  
OF APPROVAL:**

1. This use permit is valid for Cricket Communications, based on the plans as submitted with this request, and may be transferable to successors in interest through an administrative review with the Community Development Manager or designee.
2. Applicant shall obtain all necessary clearances from the Building Safety Division. This must be accomplished prior to the Use Permit becoming effective.
3. The monopole shall be no greater than fifty-nine (59) feet in height.
4. Any intensification or expansion of use will require a new use permit.
5. The wireless device shall be removed within thirty (30) days of discontinuance of use.

**HISTORY & FACTS:**

May 2, 2001

The Hearing Officer approved use permit request by SPRINT/CRICKET PHX-190D to allow a 52'-6" high cellular communication tower at 2055 S. Price Road in the AG, Agricultural District and R1-6, One Family Residence District

**DESCRIPTION:**

Owner – ADOT  
Applicant – Scott Quinn/Quinn United Enterprises  
Existing Zoning – AG, Agricultural District

**ZONING AND  
DEVELOPMENT**

**CODE REFERENCE:**

Part 3, Chapter 1, Section 3-102 – Permitted Uses in Residential Districts  
Part 3, Chapter 4, Section 3-421 – Wireless Telecommunication Facilities  
Part 6, Chapter 3, Section 6-308 – Use Permit





**CRICKET SITE PHX 190 (PL110329)**



### **PURPOSE OF THE REQUEST**

Cricket, a wireless telephone, internet and E911 service provider is in its 4G LTE conversion process. 4G technology is Long Term Evolution (LTE) that enables the delivery of voice and high-definition video streaming capabilities which is a far superior system. Arizona will be the first Cricket markets to convert to the LTE. LTE mainstream video requires increased demands on the bandwidth and greater sensitivity with precise line of site accuracy to connect to surrounding sites.

By replacing the (3) three existing outdated antennas with (6) six like for like size antennas but with the new fiber and ethernet technologically it will help to provide improved wireless telephone, internet, and E911 services to the area. The design requires an additional canister to be added so that all (6) six of Crickets antennas can be concealed from view. There are also (3) three existing Sprint antennas concealed within a canister that will be unchanged. This is the best possible solution that meets the radio frequency objective while adhering to the City of Tempe Zoning Ordinance with it provided a greater buffer from undeveloped residential uses. The site will also be compliant with Federal Telecommunications Act requirements.

### **DESCRIPTION OF THE PROPOSAL/ PURPOSE**

- Cricket proposes to replace the (3) three existing concealed antennas with (3) three like kind antennas that will be placed inside of a new canister that increases from a 16-inch diameter to 26-inch diameter.
- An additional 26-inch diameter canister will be attached to the Cricket Canister replacement bringing the overall height from 53 to 59-feet. The (3) three new Cricket antennas will be placed inside the new canister.
- All concealments and appurtenances are to be painted to match the monopole to have a non reflective appearance to blend in with the existing vertical element.
- The associated ground equipment will not be changed.
- The existing Sprint antennas that are concealed within a 16-inch diameter canister will be unchanged.

The following is an outline of the limitations to the area and how Cricket will comply with all Federal, State, and Local Regulations with respect to wireless communication facilities:

### **RELATIONSHIP TO SURROUNDING PROPERTIES:**

Subject parcel is an ADOT right-of-way access road that is adjacent to the 101.

### **LOCATION AND ACCESSIBILITY AND PARKING**

The existing access road shall be utilized for routine maintenance of the wireless.

### **CIRCULATION SYSTEM (IMPROVEMENTS ON AND OFF SITE)**

The existing access will be used resulting in no change to the circulation.

### **DEVELOPMENT SCHEDULE**

Cricket will swap out the antenna once it has obtained zoning and permit clearance from Tempe.



**RADIO FREQUENCY EMISSIONS**

PCS facility will fall within the portion of the electromagnetic spectrum, which transmits non-ionizing radio waves. "Non-ionizing" electromagnetic emissions, at the low levels associated with this type of wireless technology, are not harmful to living cells. Among the items which result in non-ionizing electromagnetic emissions are police/fire/EMS radios, television broadcasts, CB radios, microwave ovens, baby monitors, home wireless phones, garage door openers, and many other items used in day to day life. Not to be confused with "ionizing" electromagnetic emissions which include ultra-violet light, medical x-rays and gamma rays.

**RADIO FREQUENCY FCC COMPLIANCE**

The FCC allows Cricket to operate with the FCC approved "transmit" frequencies. The power required to operate the facility typically does not exceed 200 watts per channel, and thus, the Cricket facility is by design a low-power system. Depending upon characteristics of the site, the actual power requirements may be reduced. The power required to operate the facility does not exceed 718 watts per channel, and thus, the Cricket wireless communication facility is by design a low-power system. Depending upon characteristics of the site, the actual power requirements may be reduced. When operational, the transmitted signals from the site will consist of non-ionizing waves typically generated significantly lower than the FCC standard for continuous public exposure of 900 microwatts per square centimeter.

**SUMMARY**

The proposed design will be engineered certified to be in compliance with the City of Tempe Zoning ordinance, International Building, Electric, and Fire Codes. The proposed wireless communication facility will meet or exceed all Federal, State, Local Government agency requirements including the Federal Communication Commission (FCC) and the Radio Frequency (RF) exposure standards.

Cricket is excited about the opportunity to bring enhanced service to the greater Tempe area. As a result, residents and tourist will benefit from the improved coverage and options available. The improvements will help to enhance E-911, City, and Public communication services.

Please refer to the drawings and supplemental information for any further clarification.

Sincerely,

**Scott Quinn - Quinn United Enterprises for Cricket**

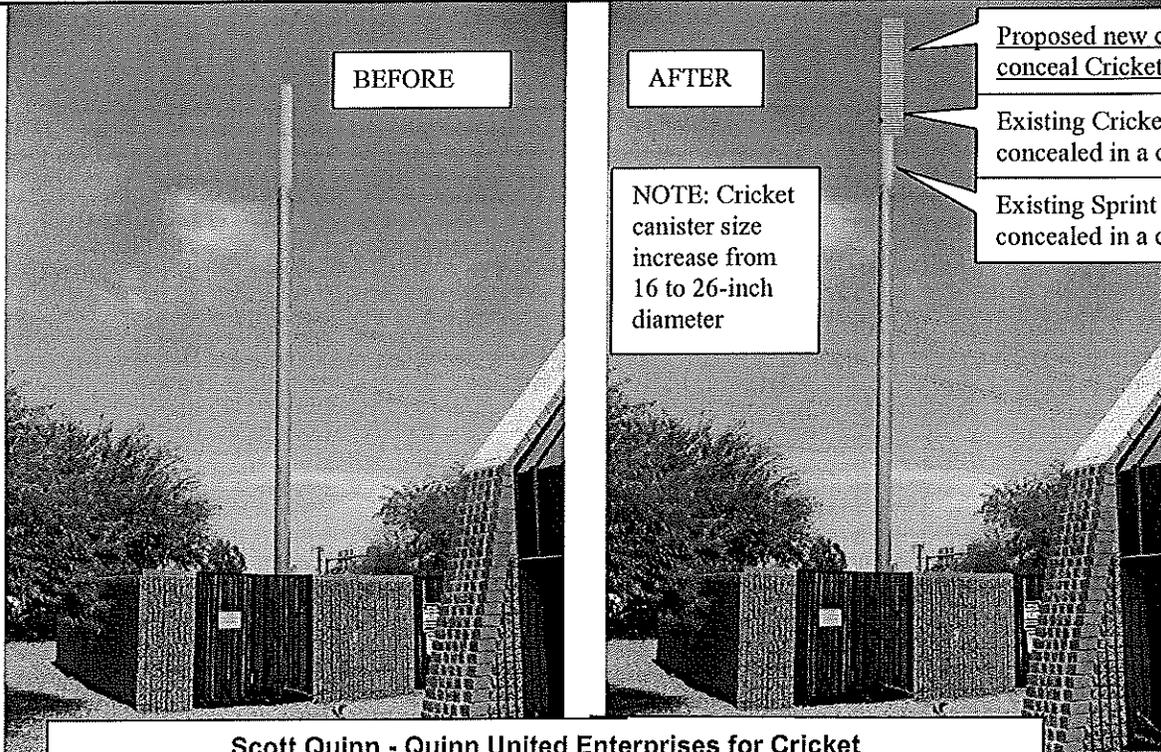
Member of the American Planning Assoc & National Assoc of Realtors  
3655 W Anthem Way, A109-250, Anthem, AZ 85086  
623-551-6096, [scottquinn@quinnunited.com](mailto:scottquinn@quinnunited.com), 623-321-9911

**CITY OF TEMPE USE PERMIT SEPT 07.2011**

**2065 S Price Rd, CRICKET EXISTING SITE PHX-190 on ADOT RIGHT-OF-WAY POLE**



**Proposal: Add a 3<sup>rd</sup> Canister to existing stealth design to hide additional Cricket antennas**



**Scott Quinn - Quinn United Enterprises for Cricket**  
Member of the American Planning Assoc & National Assoc of Realtors  
3655 W Anthem Way, A109-250, Anthem, AZ 85086  
623-551-6096, [scottquinn@quinnunited.com](mailto:scottquinn@quinnunited.com), 623-321-9911

# cricket® communications

SITE NAME: PH23XC002/DAR  
 SITE NUMBER PHX-190  
 SITE ADDRESS: 2055 S. PRICE ROAD, TEMPE ARIZONA 85281

**cricket**  
 communications  
 400 E. COTTON CENTER BUILDING 5 SUITE 10  
 PHOENIX, ARIZONA 85044  
 PHONE: (602) 758-9829 FAX: (602) 381-2132

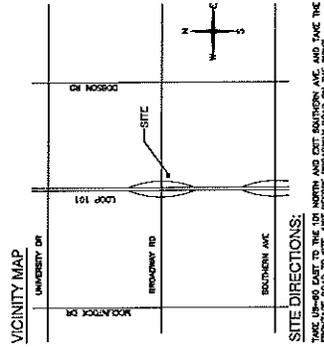
PLANS PREPARED BY  
**CDS**  
 Custom Design Services  
 14037 S. 40TH STREET  
 PHOENIX, ARIZONA 85044  
 PH: (602) 758-9829 FX: (602) 381-2132

NO.	DATE	DESCRIPTION
1	09/29/11	PRELIMINARY
2	09/29/11	SUBMITTAL

PROJECT INFORMATION  
 03-301-03  
**PHX-190**  
 PH23XC002/DAR  
 2055 S. PRICE ROAD  
 TEMPE, ARIZONA 85281

SHEET TITLE  
**TITLE SHEET,  
 VICINITY MAP AND  
 GENERAL INFORMATION**

SHEET NUMBER  
**T-1**



**CONSULTING TEAM**

DESIGN COMPANY:  
 CUSTOM DESIGN SERVICES  
 14037 S. 40TH STREET  
 PHOENIX, ARIZONA 85044  
 CONTACT: BRIAN DAVIS  
 PHONE: (602) 758-9829  
 FAX: (602) 381-2132

**SHEET INDEX**

DESCRIPTION	DESCRIPTION
T-1	TITLE SHEET, VICINITY MAP AND GENERAL INFORMATION
T-2	SITE PLAN
T-3	ENLARGED SITE AND DIRECTION PLAN
T-4	LANDING

**PROJECT SUMMARY**

PROPERTY OWNER INFORMATION:  
 ADOT - PROPERTY MANAGER  
 4000 E. COTTON CENTER  
 PHOENIX, ARIZONA 85044  
 PHONE: (602) 458-4430

SITE ADDRESS:  
 2055 S. PRICE ROAD  
 TEMPE, ARIZONA 85281

APN: 193-03-001D  
 JURISDICTION: TEMPE  
 ZONING: G10

APPLICANT:  
 CRICKET COMMUNICATIONS  
 4000 E. COTTON CENTER  
 PHOENIX, ARIZONA 85044  
 PHONE: (602) 458-4430

ZONING/PERMITTING  
 CONTACT: SCOTT QUINN  
 PHONE: (623) 551-6096

**PROJECT DESCRIPTION:**

REMOVE EXISTING 15' DIA. ANTENNA CARRIER AND REPLACE WITH A PROPOSED 30' DIA. ANTENNA CARRIER WITH (1) ANTENNA PER SECTOR WITH (5) SUPPORTS WITH (5) SUPPORTS, PROPOSED CARRIER TO MATCH EXISTING CARRIER COLOR (YELLOW)  
 ADDITION OF (1) PROPOSED 30' DIA. ANTENNA CARRIER WITH (1) ANTENNA PER SECTOR WITH (5) SUPPORTS, PROPOSED CARRIER TO MATCH EXISTING CARRIER COLOR

**cricket**  
communications

400 E. COTTON CENTER BLVD. SUITE 300  
PHOENIX, ARIZONA 85044  
PH: (602) 758-3428 FAX: (602) 381-2132

PLANS PREPARED BY  
**CDS**

Custom Design Services  
14837 S. 48TH STREET  
PHOENIX, ARIZONA 85044  
PH: (602) 758-3428 FAX: (602) 381-2132

NO. DATE DESCRIPTION

1	06/08/11	PRELIMINARY
2	09/08/11	SUBMITTAL

PROJECT INFORMATION  
03-301-03

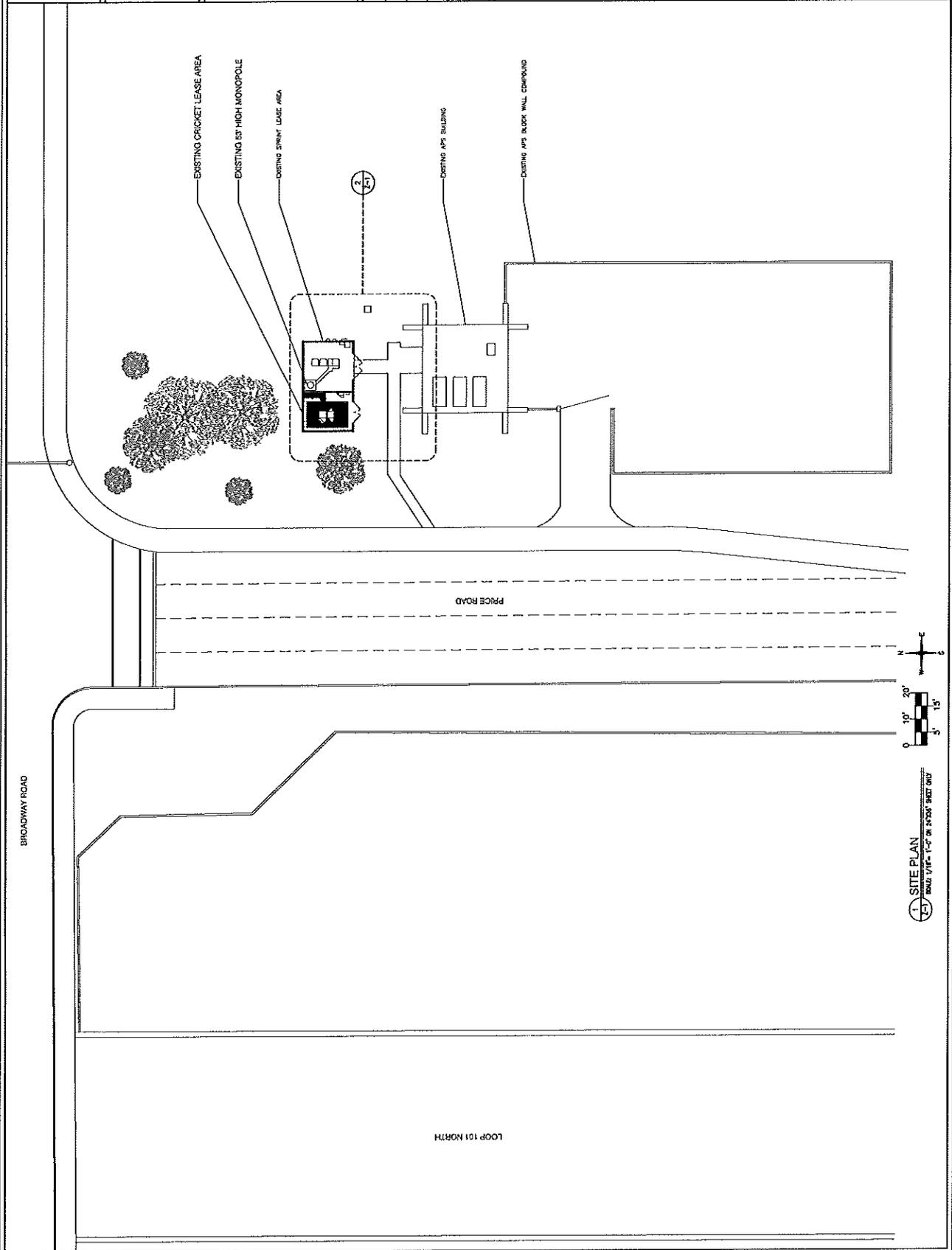
**PHX-190**  
PH23XC002/DAR

2035 S. PRICE ROAD  
TEMPE, ARIZONA 85281

SHEET TITLE

SITE PLAN

SHEET NUMBER  
**Z-1**





**cricket**  
communications

4800 E. COTTON CENTER AVENUE, SUITE 20  
PHOENIX, ARIZONA 85044  
PH: (602) 758-4829 FAX: (602) 391-2132

PLANS PREPARED BY  
**CDS**

Custom Design Services  
14837 S. 40TH STREET  
PHOENIX, ARIZONA 85044  
PH: (602) 758-4829 FAX: (602) 391-2132

NO.	DATE	DESCRIPTION
1	09/08/11	PRELIMINARY SPE
2	09/08/11	SUBMITTAL SPE

PROJECT INFORMATION  
03-301-03

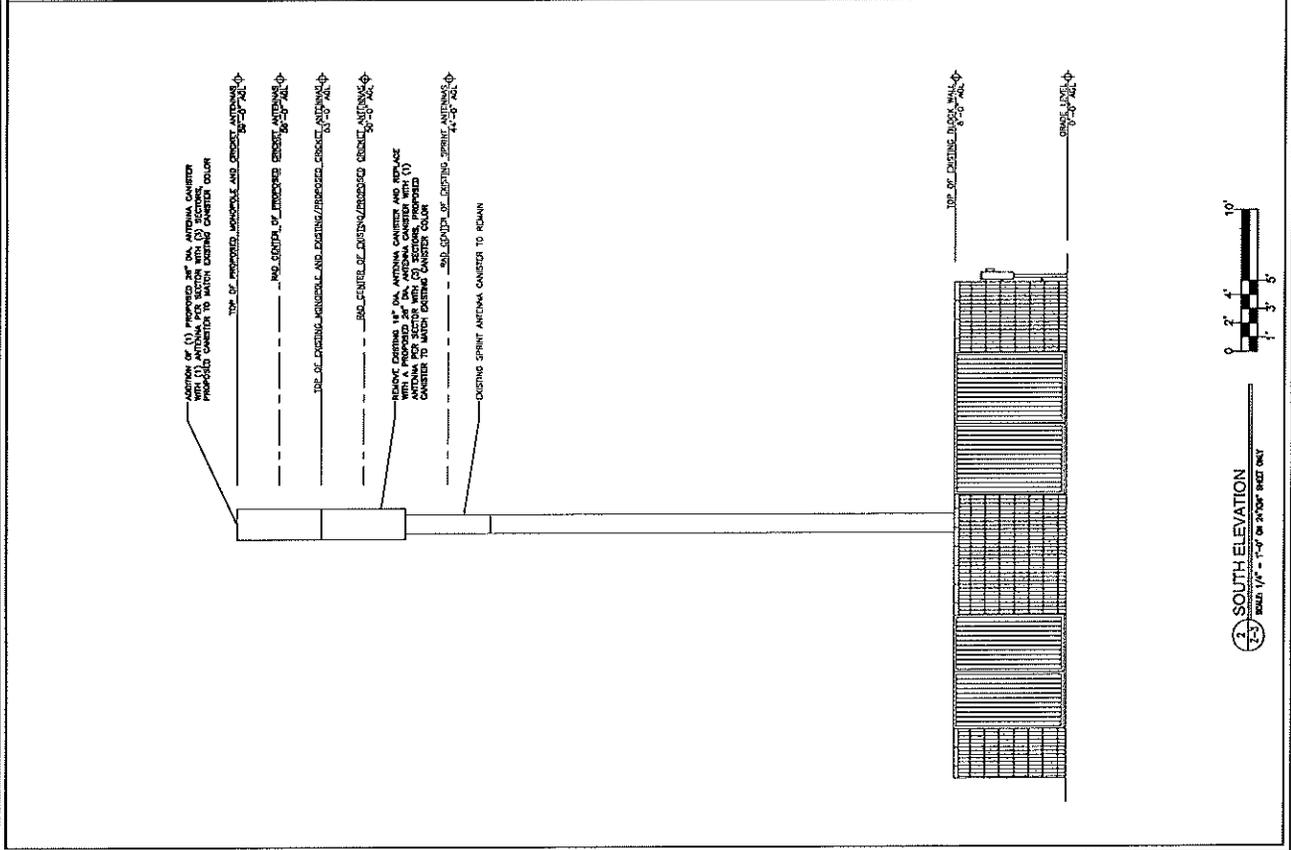
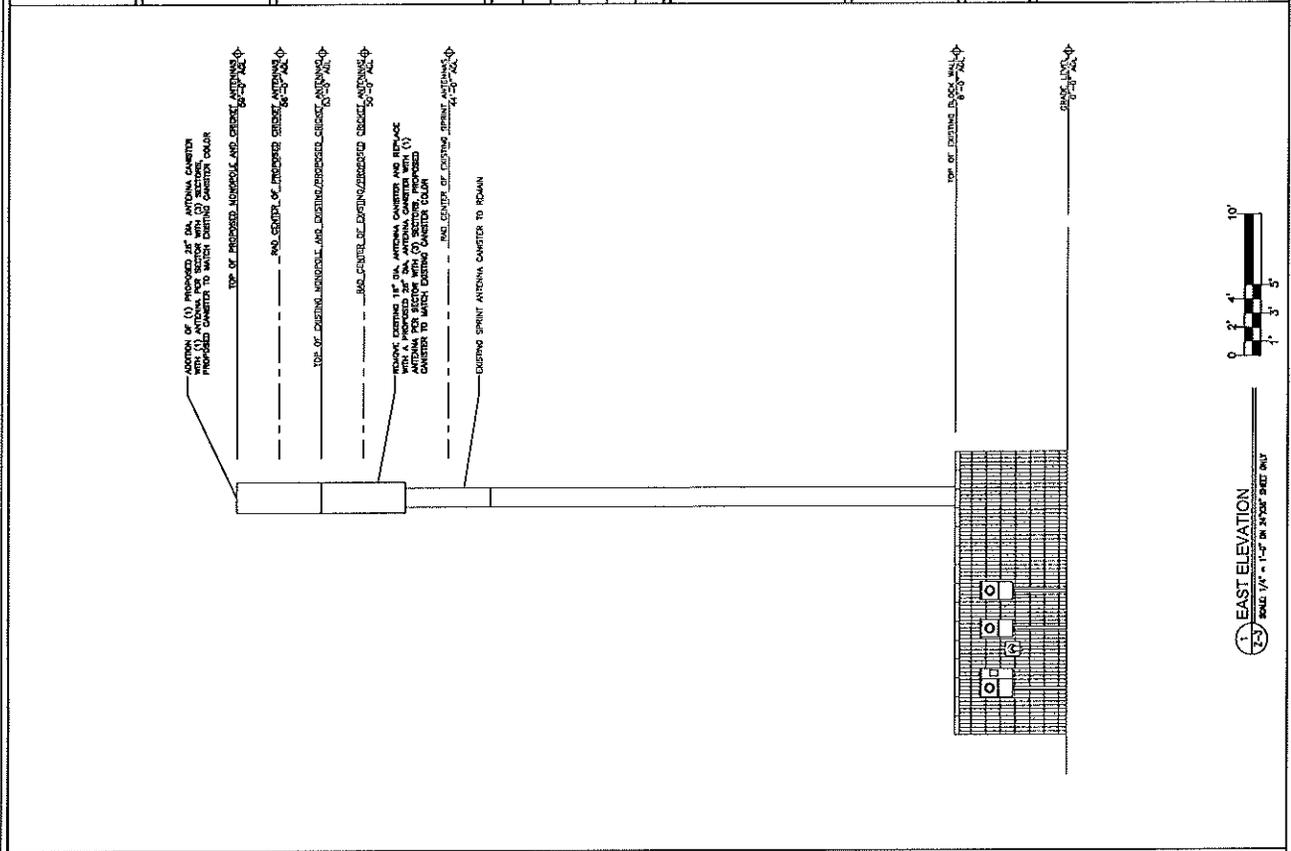
**PHX-190**  
PH23XC002/DAR

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TEMPE, ARIZONA 85281

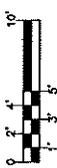
SHEET TITLE

ELEVATIONS

SHEET NUMBER  
**Z-3**



1. EAST ELEVATION  
SCALE 1/8" = 1'-0" OR 3/16" SHEET OUT



2. SOUTH ELEVATION  
SCALE 1/8" = 1'-0" OR 3/16" SHEET OUT