

Staff Summary Report



Hearing Officer Hearing Date: 11/02/11

Agenda Item Number: 4

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: 20111102cds03 **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 64 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)

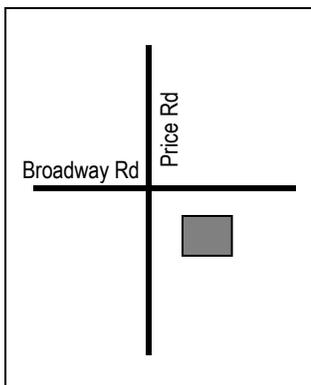
LEGAL REVIEW BY: N/A

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 64 ft. In addition, the width of the antenna encasement canister will increase from a 16 inch diameter to a 26 inch 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 sixty-four (64) 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 sixty-four (64) 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

October 4, 2011

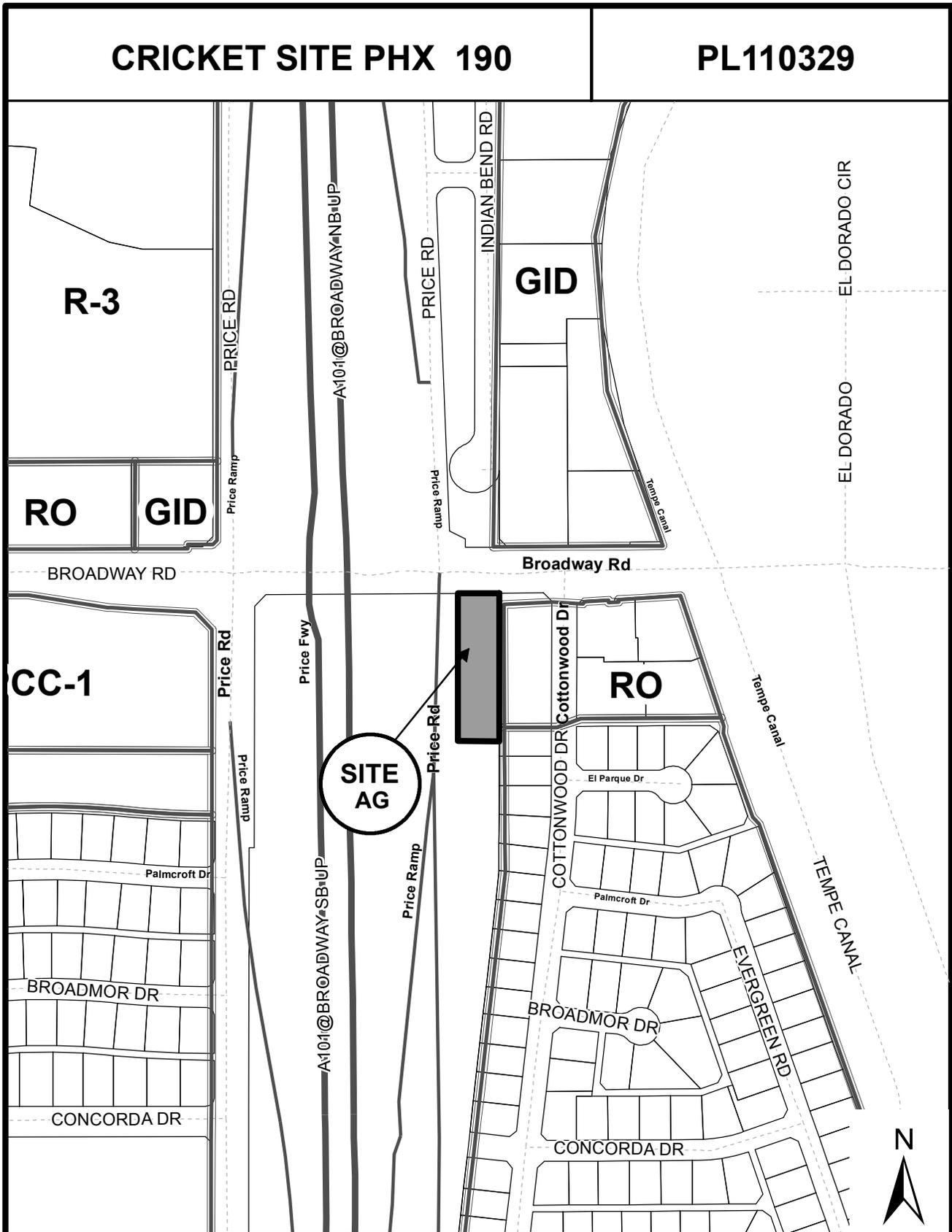
The Hearing Officer continued the use permit request to the November 2, 2011 at the request of applicant to allow for modification to the height dimension; originally requested 59 feet then modified request to 64 feet overall height.

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



Location Map



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 28+inch diameter.
- An additional 28+inch diameter canister will be attached to the Cricket Canister replacement bringing the overall height from 53 to 64-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 should be unchanged but in the event structural modifications are required the diameter could increase but not exceed what Cricket is requesting.

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

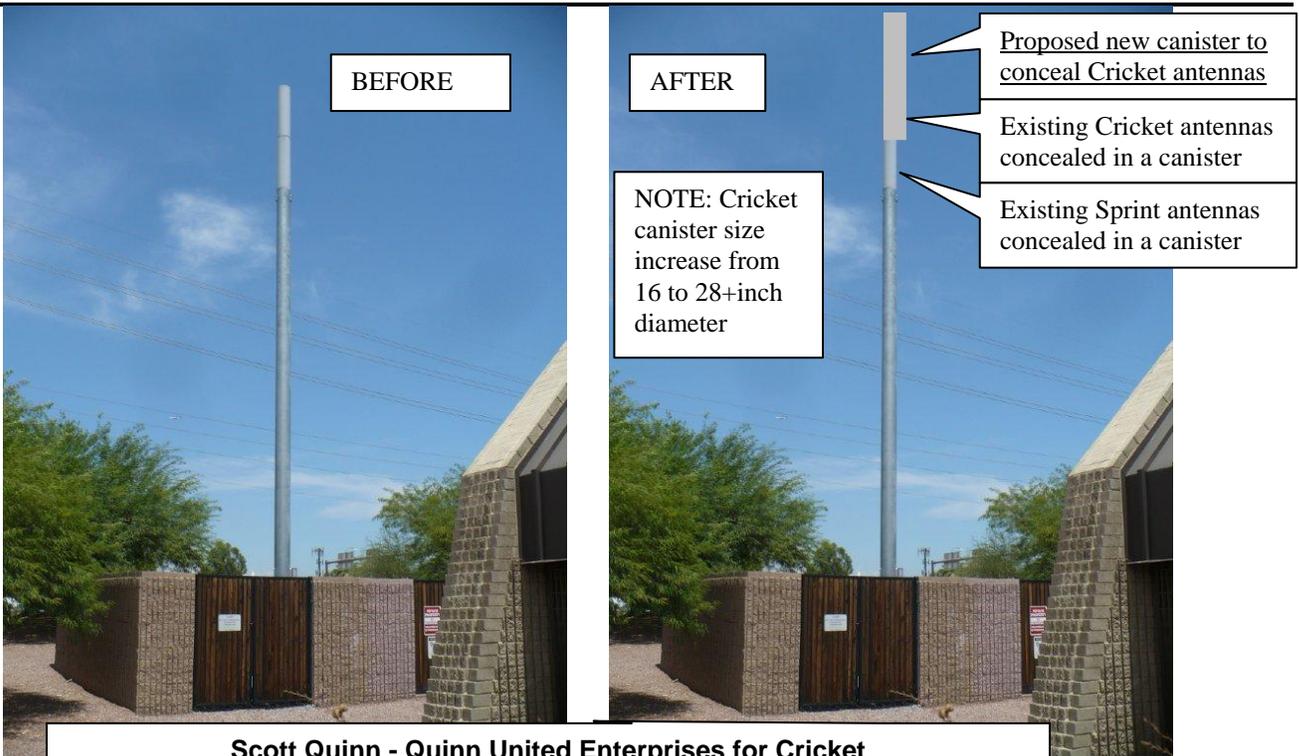
Member of the American Planning Assoc & National Assoc of Realtors
3655 W Anthem Way, A109-250, Anthem, AZ 85086
623-551-6096, scottquinn@quinnunited.com, 623-321-9911

CITY OF TEMPE USE PERMIT Oct26.2011

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



Proposal: Add a 3rd Canister to existing stealth design to hide additional Cricket antennas



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cricket[®] communications

communications

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

cricket
communications

690 E. COTTON CENTER BLVD. SUITE 39
 PHOENIX, ARIZONA 85044
 PHONE: (602) 438-1438

PLANS PREPARED BY
CDS
 Custom Design Services
 14037 S. 46TH STREET
 PHOENIX, ARIZONA 85044
 PH: (602) 758-5829 FAX: (602) 391-4132

NO.	DATE	DESCRIPTION	BY
1	09/05/11	PRELIMINARY	SPE
2	10/12/11	SUBMITAL	SPE

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

PROJECT SUMMARY

PERMITS/PERMITTING
 PERMITS: (1) 18" DA ANTENNA CENTER WITH (1) ANTENNA PER SECTOR WITH (1) SECTIONS, PROPOSED CAMPER TO MATCH EXISTING CAMPER COLOR (BELOW)
 ADDITION OF (1) PROPOSED 18" DA ANTENNA CENTER WITH (1) ANTENNA PER SECTOR WITH (1) SECTIONS, PROPOSED CAMPER TO MATCH EXISTING CAMPER COLOR

APPLICANT
 CRICKET COMMUNICATIONS
 4050 E. COTTON CENTER
 PHOENIX, ARIZONA 85048
 PHONE: (602) 458-4438

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

APN: 132-33-001D
JURISDICTION: TEMPE
ZONING: C10

DESIGN COMPANY:
 CUSTOM DESIGN SERVICES
 14037 S. 46TH STREET
 PHOENIX, ARIZONA 85044
 CONTACT: SHAWN HANES
 PHONE: (602) 748-3929
 FAX: (602) 391-3127

CONSULTING TEAM

DESIGN COMPANY:
 CUSTOM DESIGN SERVICES
 14037 S. 46TH STREET
 PHOENIX, ARIZONA 85044
 CONTACT: SHAWN HANES
 PHONE: (602) 748-3929
 FAX: (602) 391-3127

VICINITY MAP

SITE DIRECTIONS:
 TAKE US-10 EAST TO RITE (1) NORTH AND EXIT SOUTHERN AVE AND TAKE THE FRONTAGE ROAD TO SITE JUST BEFORE BRIDGEWAY ROAD ON THE RIGHT.

SHEET INDEX

SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET, VICINITY MAP AND GENERAL INFORMATION
Z-1	SITE PLAN
Z-2	ENLARGED SITE AND DIMENSION PLAN
Z-3	LOCATIONS

Rec'd 10-13-11

cricket
communications

400 E. GILSON CENTER BUILDING, 3 SUITE 59
PHOENIX, ARIZONA 85044
PHONE: (602) 438-1438

PLANS PREPARED BY

CDS

Custom Design Services

14037 S. 46TH STREET
PHOENIX, ARIZONA 85044
PH: (602) 758-8829 FAX: (602) 331-2132

NO.	DATE	DESCRIPTION	BY
1	09/06/11	PRELIMINARY	SPE
2	10/12/11	SUBMITTAL	SPE

PROJECT INFORMATION

03-301-03

PHX-190

PH23XC002/DAR

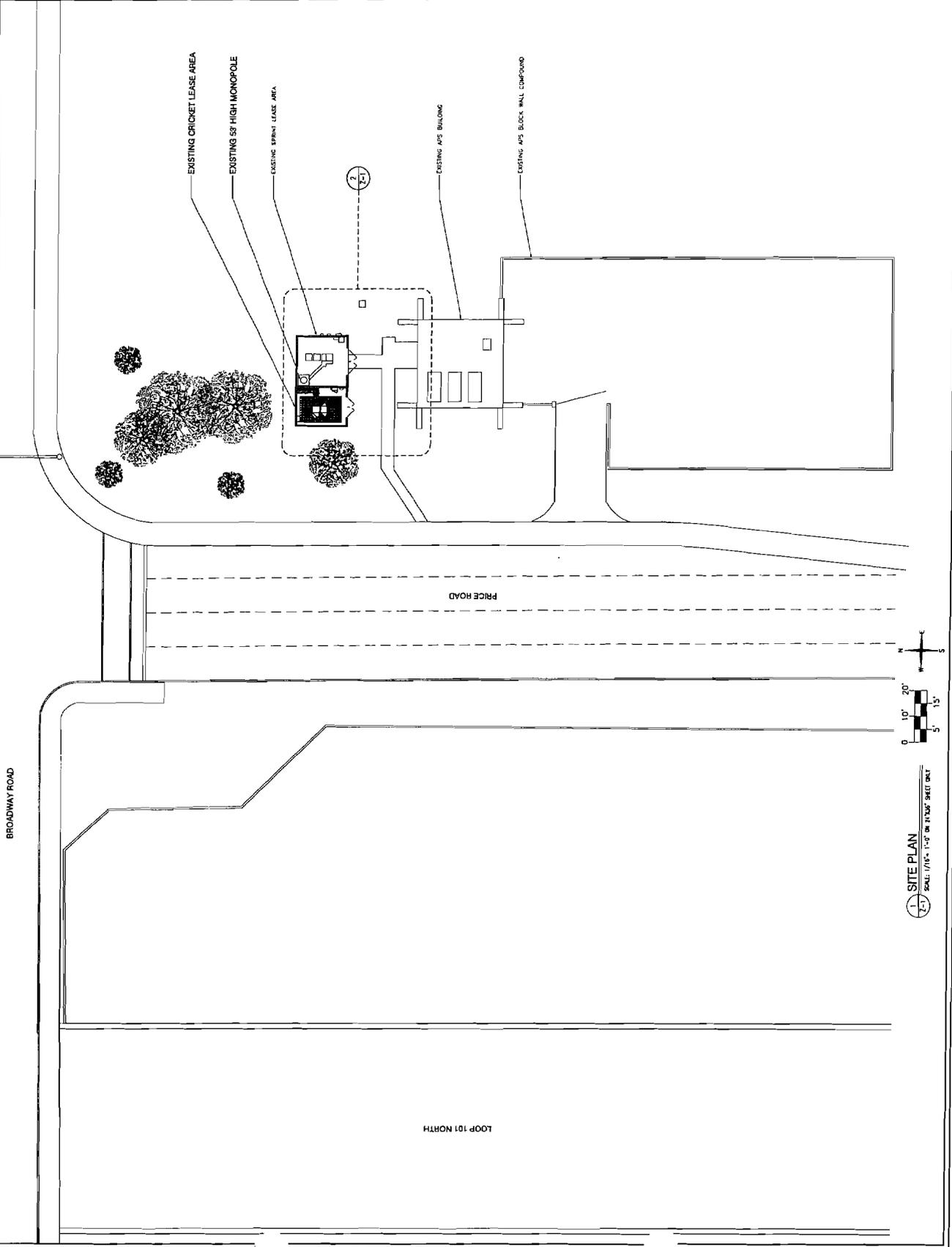
2055 S. PRICE ROAD
TEMPE, ARIZONA 85281

SHEET TITLE

SITE PLAN

SHEET NUMBER

Z-1



Revised
10-13-11

cricket
communications
4000 E. CULLEN CENTER BUILDING, SUITE 109
PHOENIX, ARIZONA 85044

PLANS PREPARED BY
CDS
Custom Design Services
14037 S. 46TH Street
Phoenix, Arizona 85044
PH: (602) 758-8229 FAX: (602) 391-2132

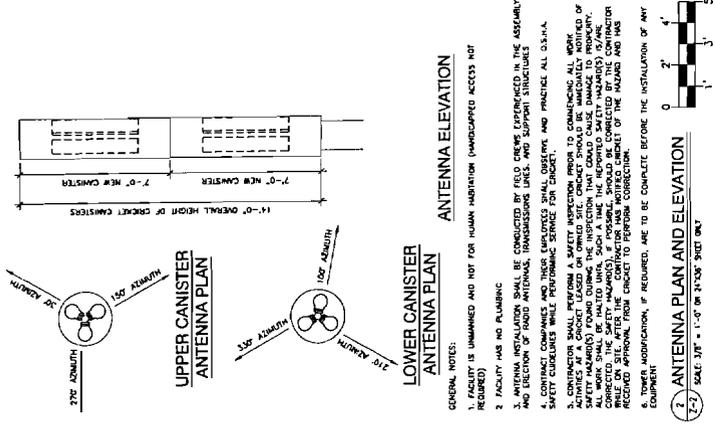
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2	10/12/11	SUBMITTAL	SFE

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

SHEET TITLE
ENLARGED SITE AND DIMENSION PLAN

SHEET NUMBER
Z-2

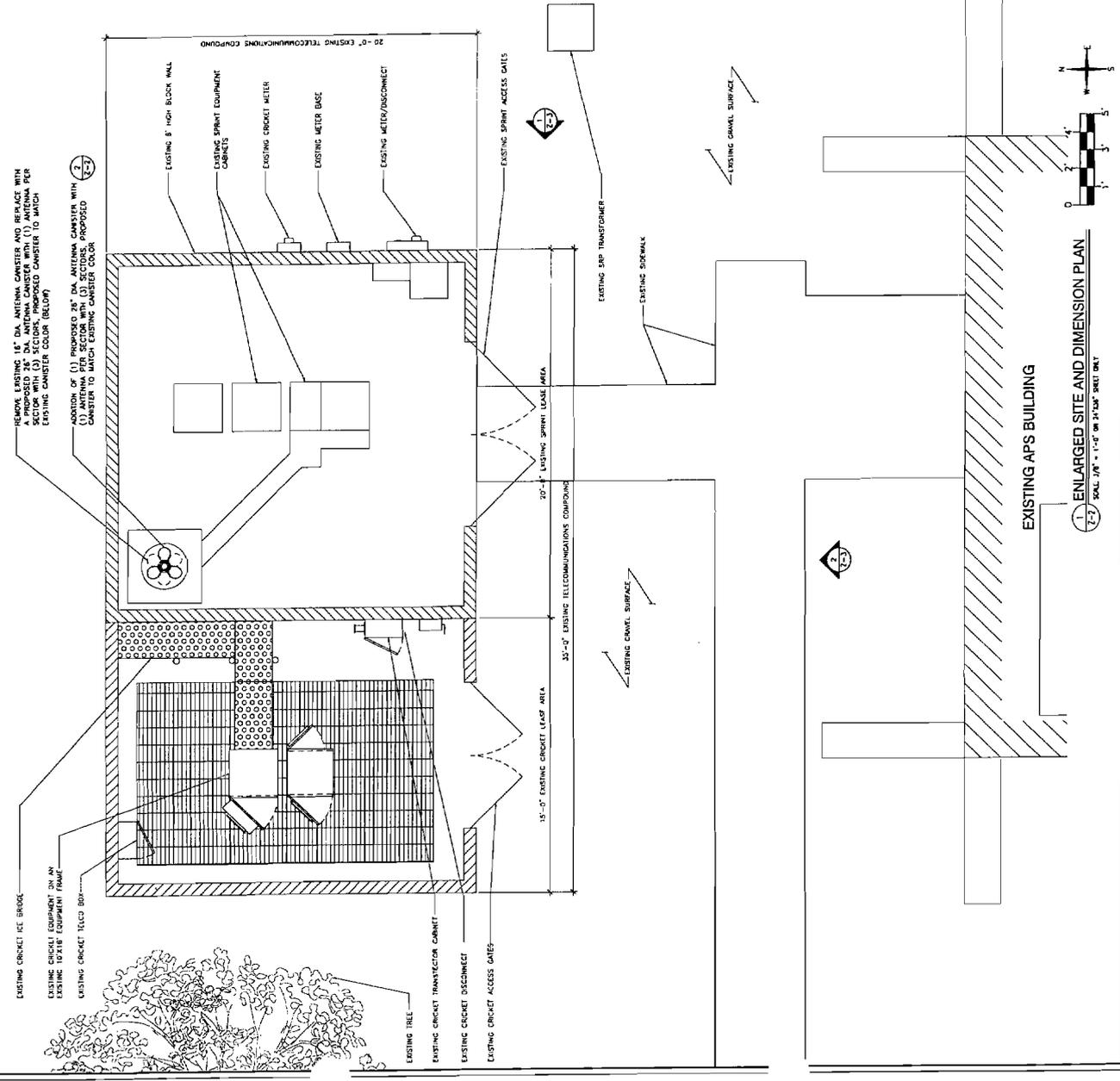
Rec'd 10/13/11



GENERAL NOTES:

1. ALL WORK IS UNMANNED AND NOT FOR HUMAN HABITATION (UNMANNED ACCESS NOT REQUIRED).
2. FACILITY HAS NO PLUMBING.
3. ANTENNA INSTALLATION SHALL BE CONSIDERED BY FIELD ENGINEER/INSPECTOR IN THE ASSEMBLY AND ERECTION OF RADIO ANTENNAS, TRANSMISSION LINES, AND SUPPORT STRUCTURES.
4. CONTRACT COMPANIES AND THEIR EMPLOYEES SHALL OBSERVE AND PRACTICE ALL O.S.H.A. SAFETY GUIDELINES WHILE PERFORMING SERVICE FOR CRICKET.
5. CONTRACTOR SHALL PERFORM A SAFETY INSPECTION PRIOR TO COMMENCING ALL WORK.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SAFETY MARKINGS) FOUND DURING THE INSPECTION THAT COULD CAUSE DAMAGE TO PROPERTY.
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10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SAFETY MARKINGS) FOUND DURING THE INSPECTION THAT COULD CAUSE DAMAGE TO PROPERTY.

ANTENNA PLAN AND ELEVATION
SCALE: 3/8" = 1'-0" OR 3/16" = 1'-0"



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1	09/06/11	PRELIMINARY	SFE
2	10/12/11	SUBMITTAL	SFE

PROJECT INFORMATION
03-301-03
PHX-190
PH23XC002/DAR
7055 S. PRICE ROAD
TEMPE, ARIZONA 85281

SHEET TITLE
ELEVATIONS

SHEET NUMBER
Z-3

ADDITION OF (1) PROPOSED 28" DIA. ANTENNA CANISTER WITH (1) SCISSOR ANTENNA PER SCISSOR TO MATCH EXISTING CANISTER COLOR
TOP OF PROPOSED MONOPOLE AND SCISSOR ANTENNAS 8'-0" AGL

AND CENTER OF PROPOSED SCISSOR ANTENNAS 60'-0" AGL

TOP OF PROPOSED SCISSOR ANTENNAS 37'-0" AGL

AND CENTER OF PROPOSED SCISSOR ANTENNAS 33'-0" AGL

REMOVE EXISTING 16" DIA. ANTENNA CANISTER AND REPLACE WITH A PROPOSED 28" DIA. ANTENNA CANISTER WITH (1) SCISSOR ANTENNA PER SCISSOR TO MATCH EXISTING CANISTER COLOR
AND CENTER OF EXISTING SCISSOR ANTENNAS 47'-0" AGL

EXISTING SCISSOR ANTENNA CANISTER TO REMAIN

ADDITION OF (1) PROPOSED 36" DIA. ANTENNA CANISTER WITH (1) ANTENNA PER SCISSOR WITH (1) SCISSOR ANTENNA PER SCISSOR TO MATCH EXISTING CANISTER COLOR
TOP OF PROPOSED MONOPOLE AND SCISSOR ANTENNAS 8'-0" AGL

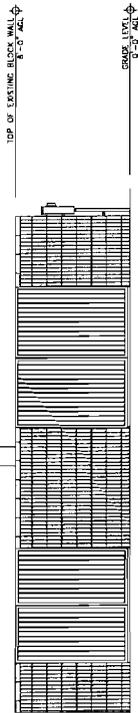
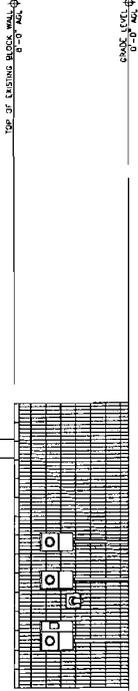
AND CENTER OF PROPOSED SCISSOR ANTENNAS 60'-0" AGL

TOP OF PROPOSED SCISSOR ANTENNAS 37'-0" AGL

AND CENTER OF PROPOSED SCISSOR ANTENNAS 33'-0" AGL

REMOVE EXISTING 16" DIA. ANTENNA CANISTER AND REPLACE WITH A PROPOSED 36" DIA. ANTENNA CANISTER WITH (1) SCISSOR ANTENNA PER SCISSOR TO MATCH EXISTING CANISTER COLOR
AND CENTER OF EXISTING SCISSOR ANTENNAS 47'-0" AGL

EXISTING SCISSOR ANTENNA CANISTER TO REMAIN



Rec'd 10/13/11