



Chandler · Arizona
Where Values Make The Difference

DATE: August 6, 2009

TO: Mayor & Council

FROM: City Clerk's Office

SUBJECT: Item No. 47 - USE PERMIT, UP08-0072 SHUMWAY ELEMENTARY
MONOPINE

Pages 2-29 of this file consist of the staff memo. Emails / correspondence received from citizens begin on page 30.

#47

AUG 13 2009



Chandler • Arizona
Where Values Make The Difference

MEMORANDUM

Planning and Development – CC Memo No. 09-083

DATE: JULY 20, 2009

TO: MAYOR AND CITY COUNCIL

THRU: W. MARK PENTZ, CITY MANAGER
PATRICK MCDERMOTT, ASSISTANT CITY MANAGER
JEFF KURTZ, ASSISTANT PLANNING & DEVELOPMENT DIRECTOR
KEVIN MAYO, ACTING PLANNING MANAGER

FROM: BILL DERMODY, SENIOR CITY PLANNER

SUBJECT: UP08-0072 SHUMWAY ELEMENTARY MONOPINE

Request: Use Permit approval to install a 65-foot monopine wireless communication facility

Location: Shumway Elementary School Campus at 1325 N. Shumway Avenue, north and east of Ray and McQueen Roads

Applicant: Quinn United for Cricket Wireless

Owner: Chandler Unified School District

Zoning: Planned Area Development (PAD)

RECOMMENDATION

Planning Commission and Staff, finding consistency with the General Plan, recommend approval subject to conditions.

BACKGROUND

The application requests a new 65' monopine wireless cell tower to be located in the southern portion of the Shumway Elementary School Campus in the heart of the residential neighborhoods located north and east of Ray and McQueen Roads. A monopine is a wireless communication facility disguised to look like a pine tree. The Zoning Code requires a Use Permit for wireless communication facilities in non-industrial zoning districts that do not utilize existing poles or towers.

The monopine is proposed to be located among a grove of mature pine trees adjacent to school play areas. The live pine trees are approximately 45' in height. A City of Chandler park is contiguous with the school campus and immediately south of the proposed monopine site. The school classroom buildings are located 350 feet to the north. The nearest residential properties are approximately 450 feet to the northwest, 360 feet to the southwest, 390 feet to the south, and 570 feet to the east of the proposed monopine site.

The 65' tall monopine and associated mechanical equipment will occupy 600 square feet in the southern portion of the school site, west of a basketball court and southeast of a ramada. The attached site plans indicate both the original location and the adjusted location based upon a recommended condition added by Planning Commission. Illustrations of the proposed monopine are attached.

Within the immediate area, there are no suitable alternatives for co-location of the wireless communication facilities on existing poles or towers. According to information provided by the applicant as required by code, there are no verticalities of a height similar to or greater than the proposed monopine within one mile. The applicant has analyzed several other (shorter) existing verticalities in the area and found them implausible because of their height and/or location relative to the targeted coverage area. An inventory of these verticalities provided by the applicant is among the attachments.

DISCUSSION

Planning Commission and Staff find the proposed location to be appropriate for a wireless facility in the form of a monopine surrounded by existing mature pine trees. The proposed site is over 350 feet from the nearest residential uses and will have minimal visual impact on the area.

PUBLIC/NEIGHBORHOOD NOTIFICATION

- This request was noticed according to the provisions of the City of Chandler Zoning Code.
- A neighborhood meeting was held on March 8, 2009 at the subject site. No citizens attended.
- Two neighbors attended the Planning Commission in opposition. One of the neighbors provided a petition of opposition with nine (9) neighbors' signatures. The petition is among the memo attachments. Also, a third neighbor contacted Staff after the Planning Commission hearing to voice opposition to a cell tower in this location, particularly of this height.

PLANNING COMMISSION VOTE REPORT

Motion to approve.

In Favor: 6 Opposed: 0 Absent: 1 (Hartke)

Two neighbors spoke in opposition to the request citing concerns regarding appearance, property value degradation, and health effects from radiation. The neighbors noted that the tower will be about 20' higher than the live trees and plainly visible from adjacent residential homes. The neighbors asked that the applicant be forced to try harder to locate on nearby power poles or at commercial sites, even if it means multiple cell towers to replace the subject request.

Planning Commission added Condition Nos. 3, 4, and 5 to address the monopine's location, the addition of live pines adjacent to the monopine, and safety metal mesh above the equipment shelter (responding to a neighbor's concern about balls falling in). The monopine's location was adjusted to move approximately 30' west in order to not crowd the basketball court and playground area.

RECOMMENDED ACTION

Planning Commission and Staff, upon finding consistency with the General Plan, recommend approval of UP08-0072 SHUMWAY ELEMENTARY MONOPINE subject to the following conditions:

1. Expansion or modification of the use beyond approved exhibits shall void the Use Permit and require new Use Permit application and approval.
2. The site shall be maintained in a clean and orderly manner.
3. The monopine shall be relocated to the southwest of the shelter labeled "15' shelter" on the site plan.
4. Two additional live pine trees shall be planted near the monopine. The live pines shall be 12'-high at planting.
5. There shall be a mesh cover upon the equipment shelter at an angle so that balls do not become lodged upon it.

PROPOSED MOTION

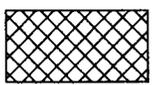
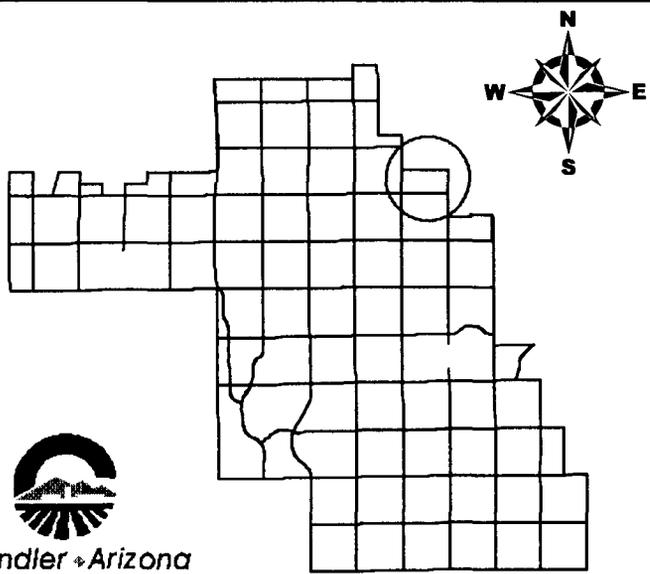
Move to recommend approval of UP08-0072 SHUMWAY ELEMENTARY MONOPINE Use Permit for a wireless communication facility, subject to the conditions recommended by Planning Commission and Staff.

Attachments

1. Vicinity Map
2. Site Plans and Elevation
3. Applicant Narrative and Photosimulations
4. Inventory of Verticalities within One Mile
5. Application Photos of Surrounding Area
6. Staff Photo (from west toward basketball courts)
7. Petition of Opposition



Vicinity Map



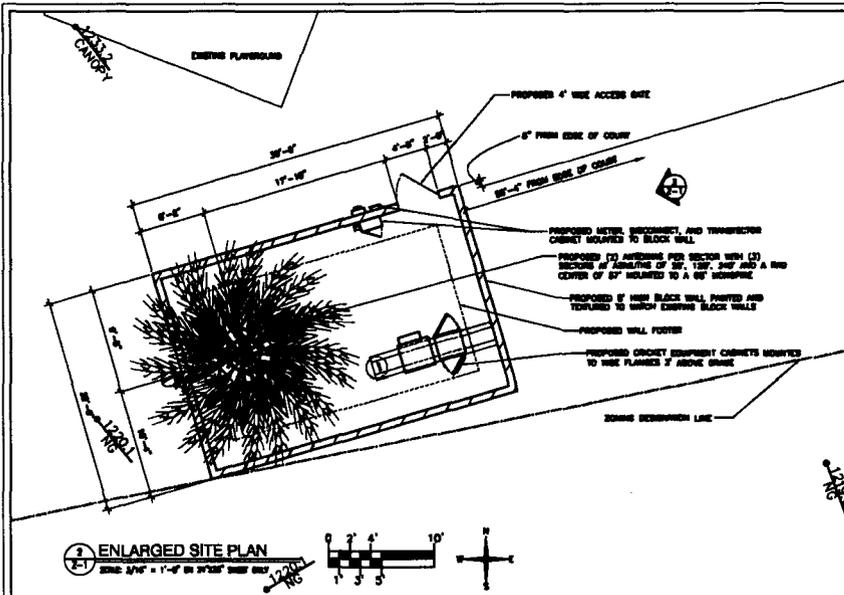
UP08-0072

Shumway Elementary Monopine



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Where Values Make The Difference

CITY OF CHANDLER 6/25/2009



PROJECT SUMMARY

PROPERTY OWNER:
CHANDLER UNIFIED SCHOOL DISTRICT 89
1382 WEST PINE BLVD
CHANDLER, AZ, 85224

SITE ADDRESS:
1382 NORTH NANTUCKET STREET
CHANDLER, AZ 85225

APN: 302-S7-185-F
JURISDICTION: CHANDLER
ZONING: SCHOOL

APPLICANT:
CRICKET COMMUNICATIONS
4050 E. COTTON CENTER
TEMPE, ARIZONA 85284
PHONE: (602) 408-6438

ZONING/PERMITTING
CONTACT: SCOTT QUINN
PHONE: (623) 551-9086

PROJECT DESCRIPTION:
PROPOSED (2) ANTENNAS PER SECTION WITH (2) SECTIONS AT JOINTS OF ST. 120', 240' AND A 90' CENTER OF 57' MOUNTED TO A 6" MONOPINE. PROPOSED EQUIPMENT MOUNTED TO A 6" MONOPINE.

CODES:
2008 INTERNATIONAL BUILDING CODE
2008 NATIONAL ELECTRICAL CODE
OCCUPANCY CLASSIFICATION U
TYPE OF CONSTRUCTION II B

CONSULTING TEAM

DESIGN COMPANY:
CUSTOM DESIGN SERVICES
500 WEST BROADWAY SUITE 8-1
TEMPE, ARIZONA 85283

CONTACT: MATTHEW FORB
PHONE: (602) 768-8899
FAX: (602) 391-2132

BLUESCOPE
DESIGN LAND SERVICES
3334 S. PINE LANE
TEMPE, ARIZONA 85288

CONTACT: MATTHEW FORB
PHONE: (602) 408-6477
FAX: (602) 899-1291

VICINITY MAP:
FOLLOW I-10 TO I-19, GET ON I-19 AND TURN RIGHT FOLLOW TO ORCHID LANE AND TURN LEFT, FOLLOW TO THE SITE ON THE NORTH-EAST CORNER OF ORCHID LANE AND SHAWANA AVENUE.

SITE NAME: GTP-CHANDLER SCHOOL NANTUCKET
SITE NUMBER: PHX-322-A
CITY: CHANDLER
COUNTY: MARICOPA
STATE: ARIZONA
DESIGN: PROPOSED 65' HIGH MONOPINE

SHEET INDEX

SHEET NUMBER	DIRECTION
Z-1	SITE INFORMATION, SITE PLAN, ENLARGED SITE AND ELEVATION PLAN, AND ELEVATION
LS-1	TOPOGRAPHIC SURVEY

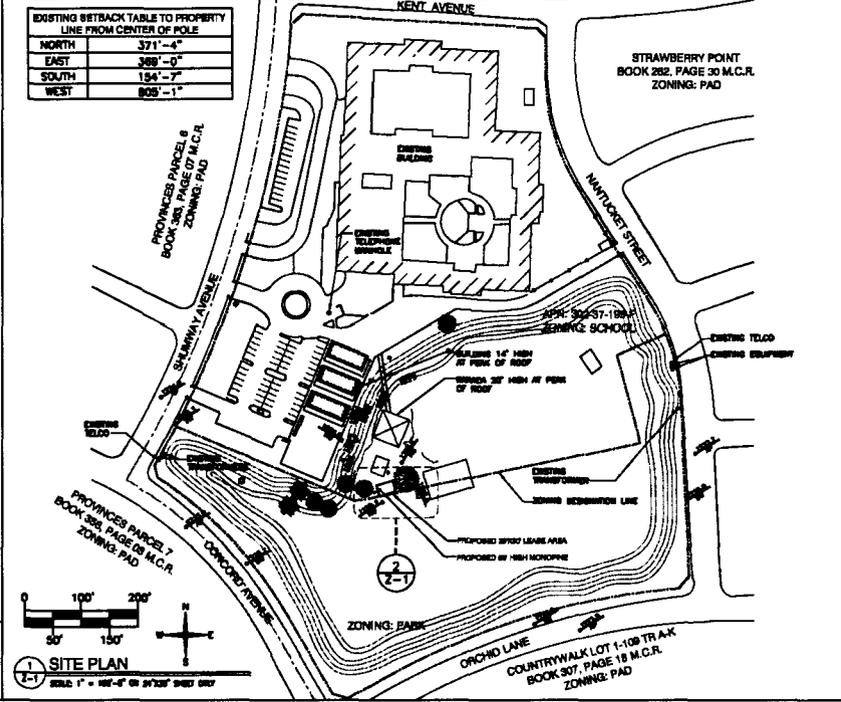
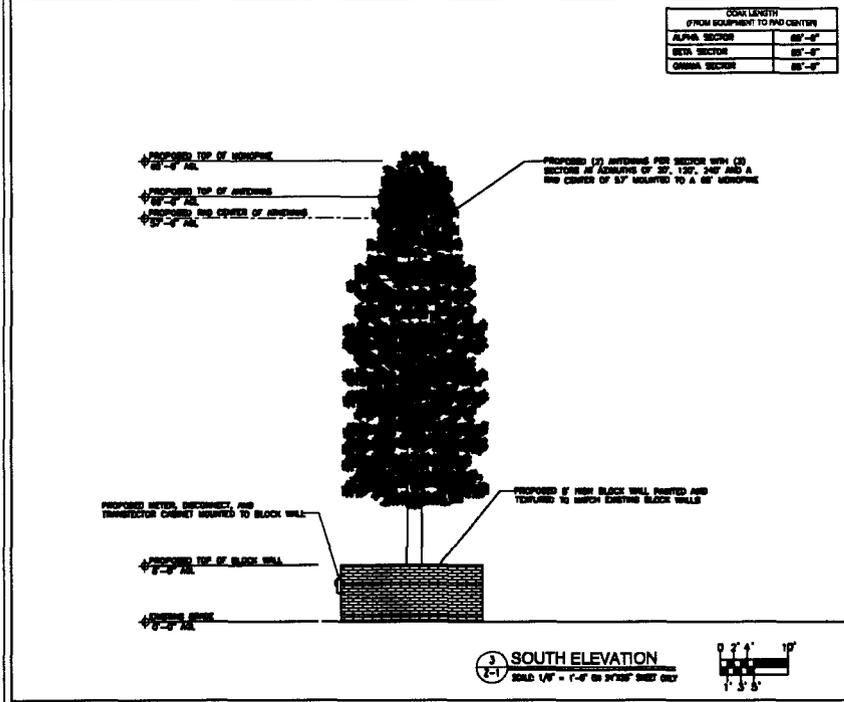
SIGNATURE BLOCK

OWNER
CRICKET
SA
RF
NETWORK
CONSTRUCTION
OPS
ZONING/PERMITTING

cricket
communications
4050 E. COTTON CENTER BUILDING 8 SUITE 08
TEMPE, ARIZONA 85288
PHONE: (602) 408-6438

PLANS PREPARED BY
CDS
Custom Design Services
609 E. Baseline Road, Suite 5-1
Tempe, Arizona 85283
Ph: (602) 736-8829 Fax: (602) 391-2132

NO.	DATE	DESCRIPTION	BY
1	12/03/08	PRELIMINARY	CJW
2	12/16/08	SUBMITAL	CJW
3	02/12/09	CHANGES	CJW
4	03/28/09	EQUIPMENT CHNG	SPE
5	05/18/09	CITY COMMENTS	CJW
6	07/21/09	CITY COMMENTS	CJW
7	07/24/09	CHANGES	SPE



PROJECT INFORMATION
03-143-03
PHX-322-A
GTP-CHANDLER SCHOOL NANTUCKET
1382 N. NANTUCKET ST.
CHANDLER, ARIZONA 85225

SHEET TITLE
SITE INFORMATION, SITE PLAN, ENLARGED SITE PLAN, AND ELEVATION

SHEET NUMBER
Z-1

PROPOSED LOCATION

COAX LENGTH (FROM EQUIPMENT TO RAD CENTER)	
ALPHA SECTOR	85'-0"
BETA SECTOR	85'-0"
GAMMA SECTOR	85'-0"

⊕ PROPOSED TOP OF MONOPINE
65'-0" AGL

⊕ PROPOSED TOP OF ANTENNAS
60'-0" AGL

⊕ PROPOSED RAD CENTER OF ANTENNAS
57'-0" AGL

PROPOSED (2) ANTENNAS PER SECTOR WITH (3) SECTORS AT AZIMUTHS OF 20°, 120°, 240° AND A RAD CENTER OF 57' MOUNTED TO A 65' MONOPINE

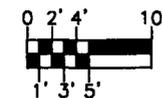
PROPOSED METER, DISCONNECT, AND TRANSFECTOR CABINET MOUNTED TO BLOCK WALL

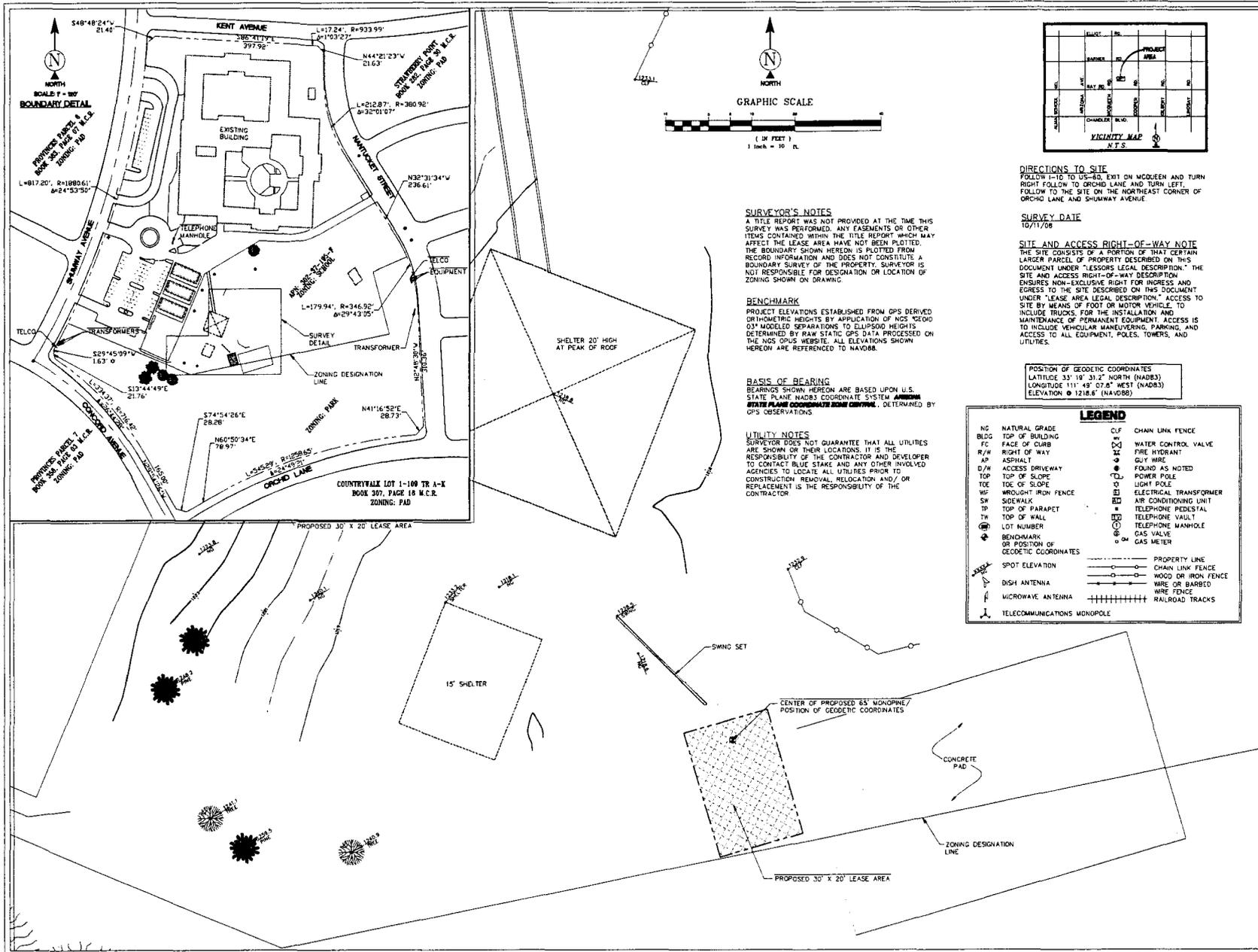
PROPOSED 8' HIGH BLOCK WALL PAINTED AND TEXTURED TO MATCH EXISTING BLOCK WALLS

⊕ PROPOSED TOP OF BLOCK WALL
8'-0" AGL

⊕ EXISTING GRADE
0'-0" AGL

3 SOUTH ELEVATION
Z-1
SCALE: 1/8" = 1'-0" ON 24"x36" SHEET ONLY





cricket
 communications
 4050 E. COTTON CENTER, BUILDING 5, SUITE 59
 PHOENIX, ARIZONA 85034
 PHONE: (602) 426-4438

PROJECT INFORMATION
GTP-CHANDLER SCHOOL
NANTUCKET SCHOOL
PHX322-A
 1382 NORTH NANTUCKET STREET
 CHANDLER, ARIZONA 85226

ORIGINAL ISSUE DATE:
 10/14/08

REV. DATE: _____ **DESCRIPTION:** _____ **BY:** _____

1	12/03/08	LEASE AREA	MF

PLANS PREPARED BY:
CDS
Custom Design Services
 3218 S. Fair Lane
 Tempe, Arizona 85282
 Phone: (602) 768-6629
 Fax: (602) 381-5122

CONSULTANT:
BELLIANT
RLS
LAND SERVICES
 RELIANT LAND SERVICES INC. PH: (602)453-0050
 3334 S. FAIR LN. FAX: (602)453-0002
 TEMPE, AZ 85282

DRAWN BY: _____ **CHK:** _____ **APV:** _____

MF DA MB

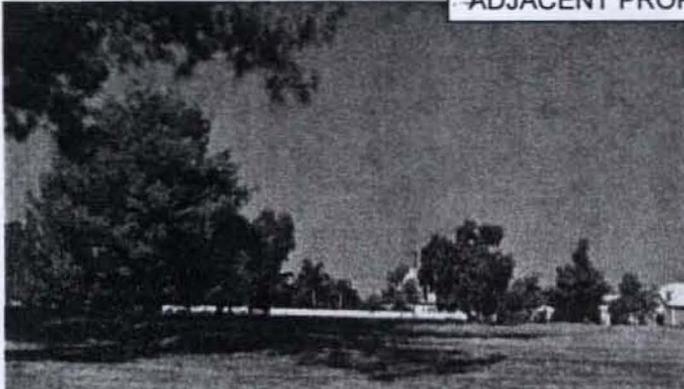
LICENSER:

SHEET TITLE:
 TOPOGRAPHIC SURVEY

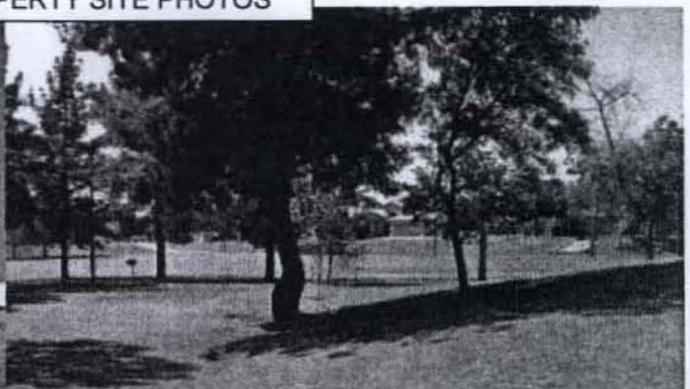
SHEET NUMBER:
 LS-1

ORIGINAL LOCATION

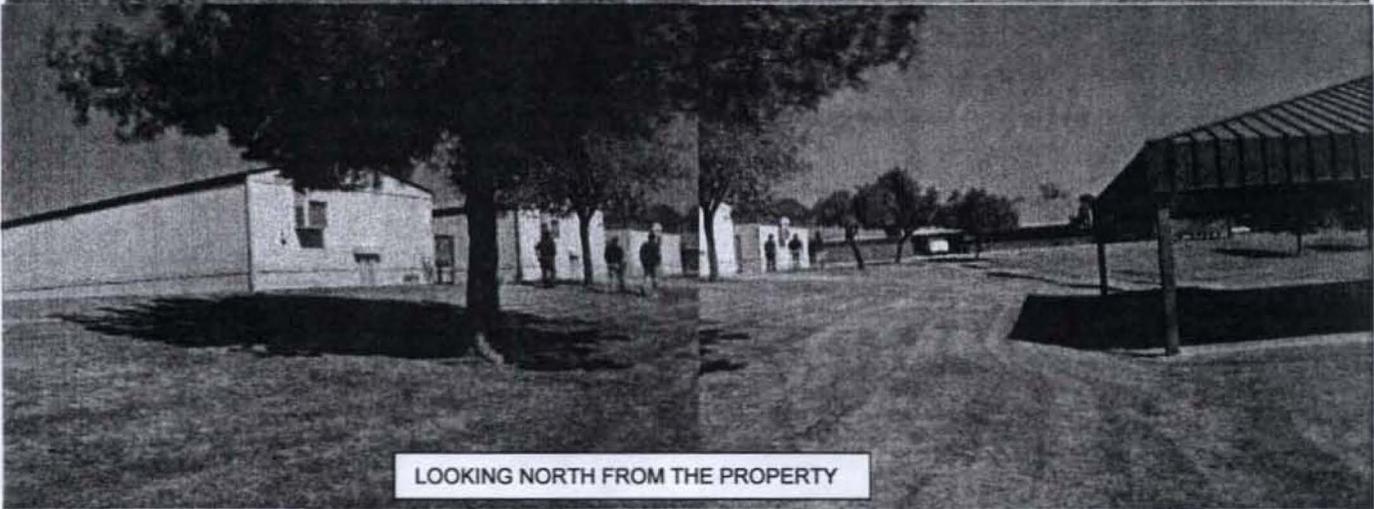
ADJACENT PROPERTY SITE PHOTOS



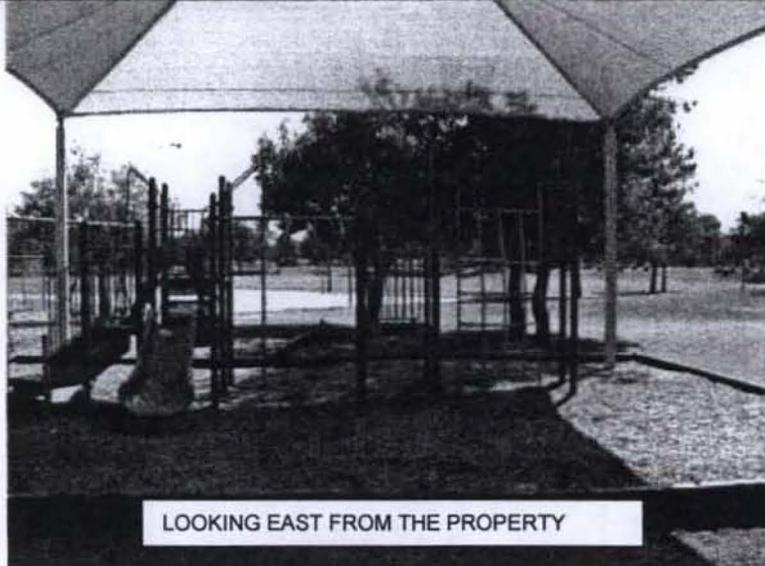
LOOKING WEST FROM THE PROPERTY



LOOKING SOUTH FROM THE PROPERTY



LOOKING NORTH FROM THE PROPERTY

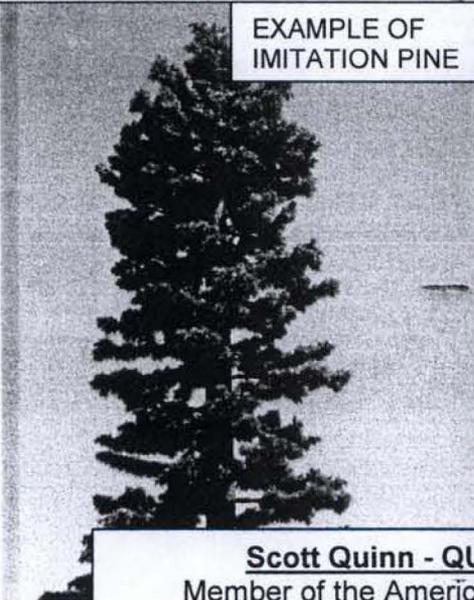


LOOKING EAST FROM THE PROPERTY

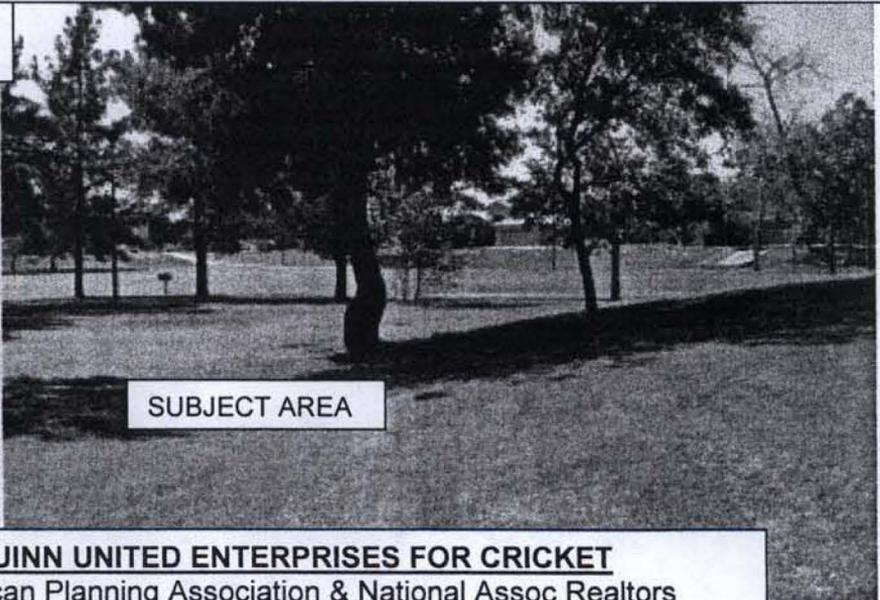
CITY OF CHANDLER USE PERMIT APPLICATION UP08-0072 – Rev.Mar09



**1382 N NANTUCKET, CHANDLER SCHOOL (PARCEL 302-37-195-F)
CRICKET PHX-322 PROPOSED IMITATION PINE TREE FOR WIRELESS COMMUNICATIONS**

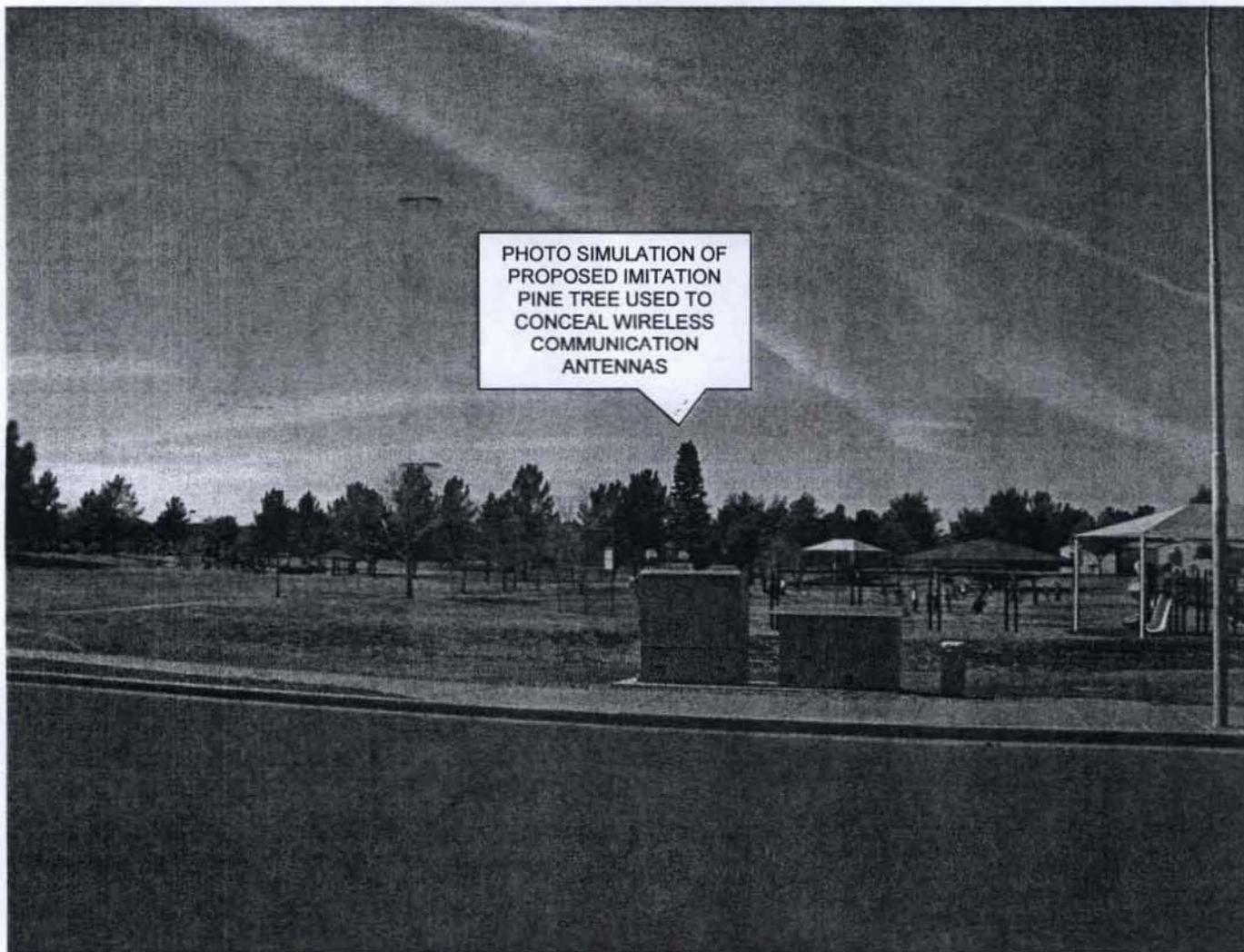


EXAMPLE OF
IMITATION PINE



SUBJECT AREA

Scott Quinn - QUINN UNITED ENTERPRISES FOR CRICKET
Member of the American Planning Association & National Assoc Realtors
3655 West Anthem Way, Suite A109 PMB250, Anthem, AZ 85086
623-551-6096, scottquinn@quinnunited.com, 623-321-9911 Fax



DESCRIPTION OF THE PROPOSAL

Cricket, a wireless telephone, internet, and E911 service provider that currently has a gap in coverage in the subject area known as the Shumway Elementary School.

The subject proposal is allow for new 65-foot imitation pine tree to be located within an existing cluster of real pine trees with heights up to 45-feet that are located on both the City of Chandler Provinces Park and the Chandler Unified School District property. The imitation pine will be structurally adequate to accommodate the addition of wireless communication antennas to be used for Cricket and future Wireless Communication Providers. The associated ground equipment will be placed behind a new screen wall that will be colored and textured to match the Chandler School. Cricket will occupy a 30X20 foot (600sf) lease area for its ground equipment. Cricket prefers to collocate on existing vertical elements as evidence of more than ninety percent (90%) of its cell sites. The particular area lacked existing vertical elements with adequate height and did not meet the Radio Frequency Engineering search criteria specified location.

The following is an outline of the limitations to the area and how Cricket will comply with all Federal, State, and Local Regulations, including the City of Chandlers Zoning Ordinance and the Federal Telecommunications Act with respect to wireless communication facilities:

Cricket Wireless Specific Information

- Cricket proposes (6) six antennas to be placed at the 57-foot Centerline.
- The antennas will be a maximum of 6-feet in length, 16-inches depth, and T-Arm mounts will have a 4-foot maximum width.
- Ground equipment is to be placed out of view by the new screen wall and the schools proposed vegetation.

RELATIONSHIP TO SURROUNDING PROPERTIES

The proposed unmanned wireless communications facility will generate no refuse, and will use no water or sewer services. There should be no demand for police surveillance. The facility is isolated and enclosed from other buildings, minimizing any fire dangers. Emergency vehicle access is available directly to the site via the existing paved driveway.

The project site is located in School zoning district and the parcel and the primary use of the property is as a Chandler School. The parcel is heavily vegetated with pine trees which will act as a significant buffer from adjacent residential neighborhoods.

SETBACKS FROM RESIDENTIAL USES AND PROPERTY LINES

- North property line is 371+feet away which is part of the school property with Kent Ave to the north and PAD zoned single family residential beyond with an estimated distance of 850+feet to the nearest lot used for residential purposes.
- South is a City Park with Orchid Lane being 154-7" away and a common area Lot (Countrywalk) Zoned PAD with an estimated distance of over 450+feet to the nearest lot used for residential purposes.
- East Property line is 369+feet which is Nantucket Street with Single Family PAD zoning on the other side with an estimated distance of 540+feet to the nearest lot used for residential purposes.
- West property line is 408+feet which is Shumway Ave and Single Family PAD zoning on the other side with an estimated distance of 460+feet to the nearest residential lot.

The proposal helps to reduce district cost for the area and also provides emergency services and therefore is an overall benefit for the area while providing additional services.

LOCATION AND ACCESSIBILITY

The proposed location is not located within a Scenic Corridor or Airbase/Airport Overlay Districts. The site technician will use an existing 9x18 foot parking stall for the once a month routine maintenance visit. The existing access road shall be utilized for routine maintenance of the wireless communication facility as well as emergency service repairs or any non routine visits.

CIRCULATION SYSTEM (IMPROVEMENTS ON AND OFF SITE)

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

DEVELOPMENT SCHEDULE

Cricket would normally begin construction of the proposed project 1 week after obtaining the required planning and building permits. 4-6 weeks is required for construction to be completed and for Cricket engineers to optimize the system.

COMMUNITY FACILITIES AND SERVICES

The project property is located in a more densely populated area of Chandler in need of enhanced services.

The location, size, design, and operating characteristics of the proposed communications facility will not create unusual noise, traffic or other conditions or situations that may be objectionable, detrimental or incompatible with other permitted uses in the vicinity. This determination is supported by the following:

- The equipment associated with the communication structure operates quietly or virtually noise-free.
- The equipment does not emit fumes, smoke, or odors that could be considered objectionable.
- The communications facility is unmanned and only requires periodic maintenance that equates to approximately one vehicle trip per month.

RADIO FREQUENCY EMISSIONS

PCS facility will fall within the portion of the electromagnetic spectrum, which transmits non-ionizing radio waves. "Non-ionizing" electromagnetic emissions used at the low levels associated with this type of wireless technology are not harmful to living cells. Among those 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 non-ionizing items that are used in day to day life. None of these are to be confused with "ionizing" electromagnetic emissions which include ultra-violet light, medical x-rays, and gamma rays, which can be considered harmful if used excessively or inappropriately.

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.

When operational, the transmitted signals from the site will consist of non-ionizing waves that will typically operate at levels lower than the allowed FCC standard for continuous public exposure of 900 microwatts per square centimeter.

Public Utilities and Services

The proposed unmanned wireless communications facility will generate no refuse, and will use no water or sewer services. There should be no demand for police surveillance. The facility is isolated from other buildings, so that in the remote chance of a fire within the cell site equipment, other buildings in the area would not be threatened. Fire vehicle access is available directly to the site over paved roads, driveway and parking area.

Other Information

- The area is a developed park and public use area and the engineer foresees no issues with the subject proposal for grading and drainage purposes.
- No Traffic Impact Study is provided due to only one trip generation per month.
- There will be no noise, smoke, dust, odor, vibration or illumination created by the proposed use.
- Existing communication facilities within a 1-mile radius lacked the appropriate radio frequency engineering design requirements and or had site restraints or limitations.
- Existing light poles within the general vicinity have an average height of 15-feet with even a 25-foot height increase as a pole replacement are far too short to prorogate the appropriate radio frequency signal and is not a preferred design alternative for the Chandler School District based on their experience at other school sites.
- The closest existing wireless communication facility is an AT&T site at Cooper/Highland 3/4 of a mile away with the antennas being located on 67-foot high SRP utility pole and the associated ground equipment inside the substation. SRP will not allow a second carrier at the site due to limited ground space and limited utility poles. The subject location is also too far from the proposed Radio Frequency Engineer Design requirements.
- Other existing vertical elements were eliminated due to unwilling landlords, unavailable height, ground space, and physical site restraints, and the predominately single family housing that surrounds the area.
- The parcel was chosen due to the subject parcel size allowing adequate distance from adjacent residential parcels and is a non residential sue property.

See the attached information further detailing the deficiencies of alternatives site locations along with Crickets existing sites in the greater Chandler area.

SUMMARY

The proposed design will be engineered certified to be in compliance with the City of Chandlers 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), the Radio Frequency (RF) exposure standards, and Federal Telecommunications Act.

Cricket is excited about the opportunity to bring enhanced service to Chandler 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.



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

**Tower Structures within 4 miles of Proposed Cricket Site PHX-322 Mar26.09
(1382 N Nantucket St, Chandler, AZ 85225)**

	Tower(Registered) * High structures (typically over 200 ft in height)		Tower(Not-Registered) * Medium structures (100 to 200 ft in height)		Future Tower * Future site for registered tower
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Tower Search Results!

-  **Alert!** 40 Towers (7 Registered, 33 Not Registered) found within 4.00 miles of **1382 N Nantucket St, Chandler, AZ 85225**.
-  **Info!** The NEAREST Tower is .74 miles away and is owned by **At&t Wireless Services**.
-  **Alert!** 3 New Tower Applications found within 4.00 miles of **1382 N Nantucket St, Chandler, AZ 85225**.

Registered	Name	Height	Distance
	(1) <u>Alltel Communications Of The Southwest Limited Partnership</u>	108 feet	1.97 miles
	(2) <u>City Of Chandler</u>	194 feet	2.42 miles
	(3) <u>City Of Chandler Water Treatment Plant</u>	80 feet	2.43 miles
	(4) <u>New Cingular Wireless Services, Inc.</u>	69 feet	3.07 miles
	(5) <u>T-mobile West Corporation</u>	80 feet	3.31 miles
	(6) <u>Alltel Communications Of The Southwest Limited Partnership</u>	90 feet	3.70 miles
	(7) <u>Crown Atlantic Company, Llc</u>	84 feet	3.88 miles
	(1) <u>At&t Wireless Services</u>	67 feet	.74 miles
	(2) <u>Nextel Communications</u>	65 feet	1.23 miles
	(3) <u>At&t Wireless Services</u>	90 feet	1.40 miles
	(4) <u>At & T Wireless Services</u>	109 feet	1.83 miles
	(5) <u>Nextel Communications</u>	65 feet	1.84 miles
	(6) <u>American Tower, Bellevue</u>	102 feet	1.86 miles
	(7) <u>At & T Wireless Services</u>	150 feet	1.87 miles
	(8) <u>Don Houghton (mc)</u>	69 feet	1.90 miles
	(9) <u>Verizon Wireless</u>	117 feet	1.92 miles

(10)	<u>Cingular Wireless-dallas</u>	137 feet	2.10 miles
(11)	<u>At&t Wireless Services</u>	82 feet	2.25 miles
(12)	<u>Nextel</u>	91 feet	2.31 miles
(13)	<u>One Comm</u>	91 feet	2.33 miles
(14)	<u>Verizon Wireless</u>	79 feet	2.93 miles
(15)	<u>At & T Wireless Services</u>	79 feet	3.00 miles
(16)	<u>At&t Wireless Services</u>	79 feet	3.15 miles
(17)	<u>One Comm</u>	71 feet	3.19 miles
(18)	<u>Onecomm</u>	71 feet	3.20 miles
(19)	<u>At & T Wirless Services</u>	79 feet	3.23 miles
(20)	<u>At&t Wireless Services</u>	75 feet	3.28 miles
(21)	<u>At&t Wireless Services</u>	83 feet	3.37 miles
(22)	<u>At&t Mobility (west)</u>	92 feet	3.38 miles
(23)	<u>At&t Wireless Services</u>	80 feet	3.43 miles
(24)	<u>Sprint Pcs</u>	78 feet	3.47 miles
(25)	<u>Gordon Darby</u>	23 feet	3.49 miles
(26)	<u>At & T Wireless Services</u>	65 feet	3.50 miles
(27)	<u>Qwest Wireless Llc</u>	50 feet	3.65 miles
(28)	<u>Chandler, City Of</u>	60 feet	3.70 miles
(29)	<u>Spectrasite Communications</u>	94 feet	3.77 miles
(30)	<u>Brad Stevenson</u>	21 feet	3.90 miles
(31)	<u>Greg Hatch</u>	25 feet	3.92 miles
(32)	<u>U.s. West Newvector Group, Inc.</u>	77 feet	3.94 miles
(33)	<u>Salt River Project</u>	140 feet	3.97 miles

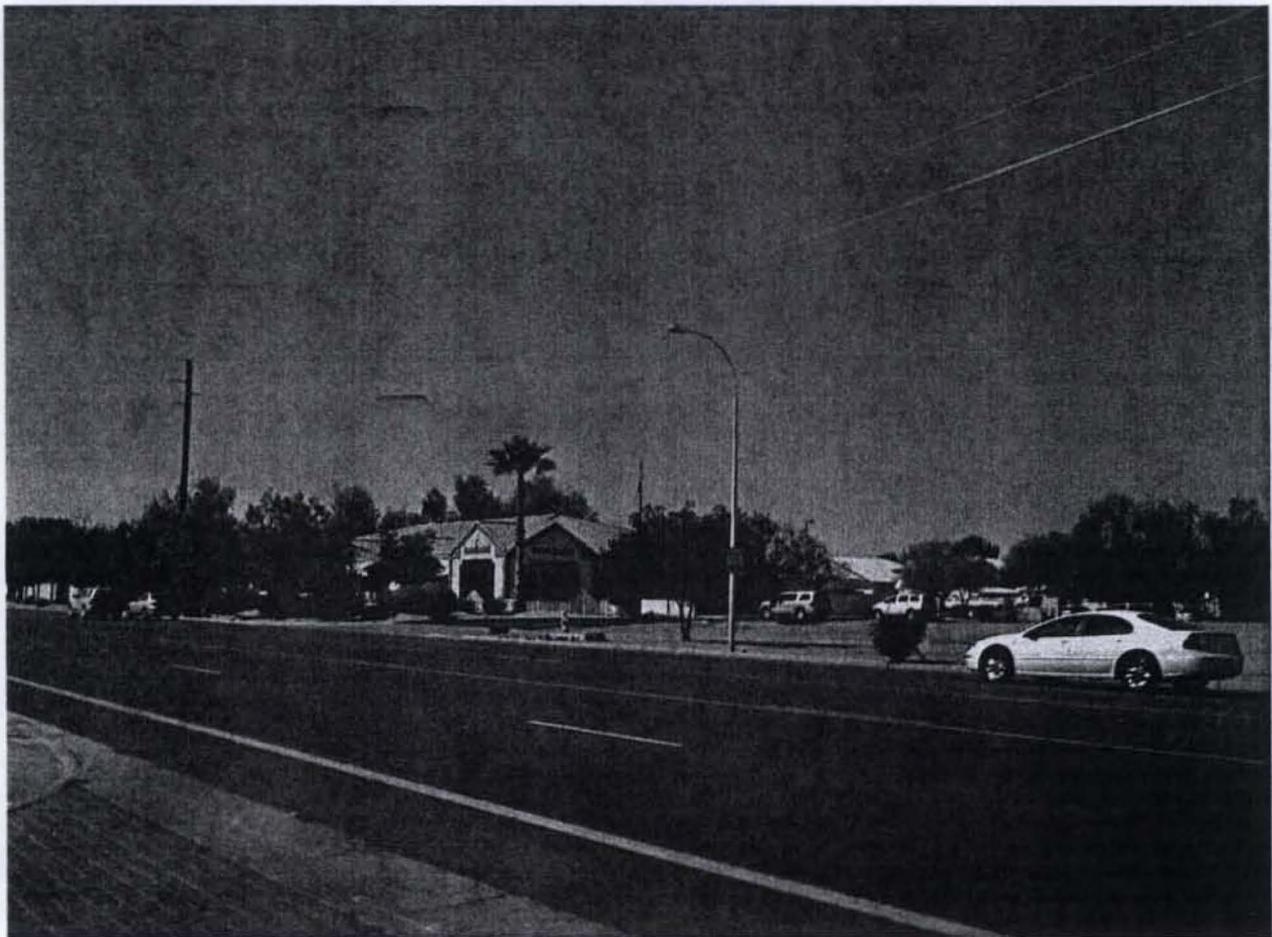


Future

(1)	<u>T-mobile West Corporation</u>	65 feet	3.06 miles
(2)	<u>Verizon Wireless (vaw) Llc</u>	87 feet	3.60 miles
(3)	<u>Mobilitie Investments Ii, Llc</u>	70 feet	3.96 miles

Example of numerous SRP utility poles throughout the area:

A list of site locations was given to SRP which SRP used to conduct an analysis as to what utility poles would work for them. The result was that SRP could not accommodate Cricket's needs for the subject area. Of the 60 sites that Cricket is building this phase SRP is doing (15) of those sites while APS is doing another (8) Eight making a total of the 23 utility pole sites that Cricket is collocating on. Of the remaining sites 27 more are collocations on existing towers, ball field light poles, street lights, etc so approximately 10 of the 60 sites require new builds with 6 of the 10 being stealth applications including the two of which being stealth applications in Chandler.



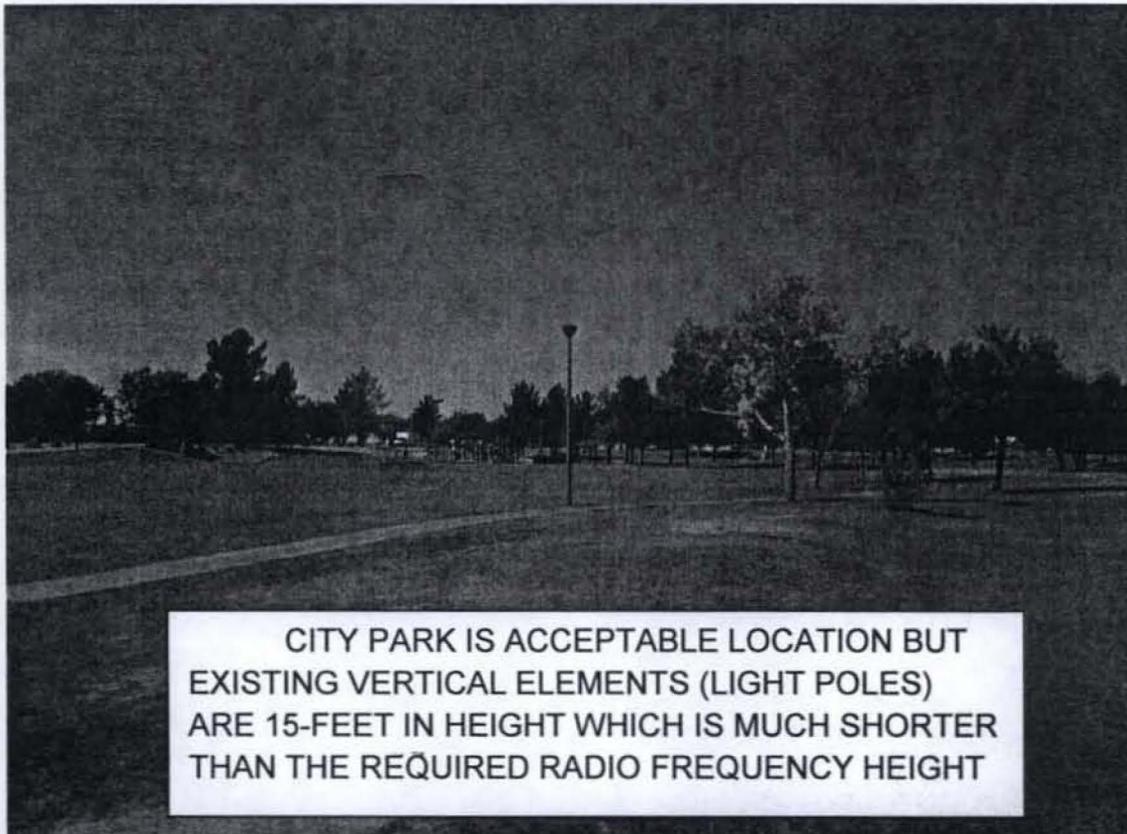
STRIP MALL 1-MILE NORTH OF PROPOSED SITE DOES NOT MEET RADIO FREQUENCY COVERAGE OBJECTIVE



LIGHT POLE EXAMPLES: SEVERAL TO CHOSE FROM BUT NONE OF THEM ARE NEAR THE REQUIRED RADIO FREQUENCY ENGINEERING DESIGN RADIATION CENTER FOR OPTIMUM COVERAGE



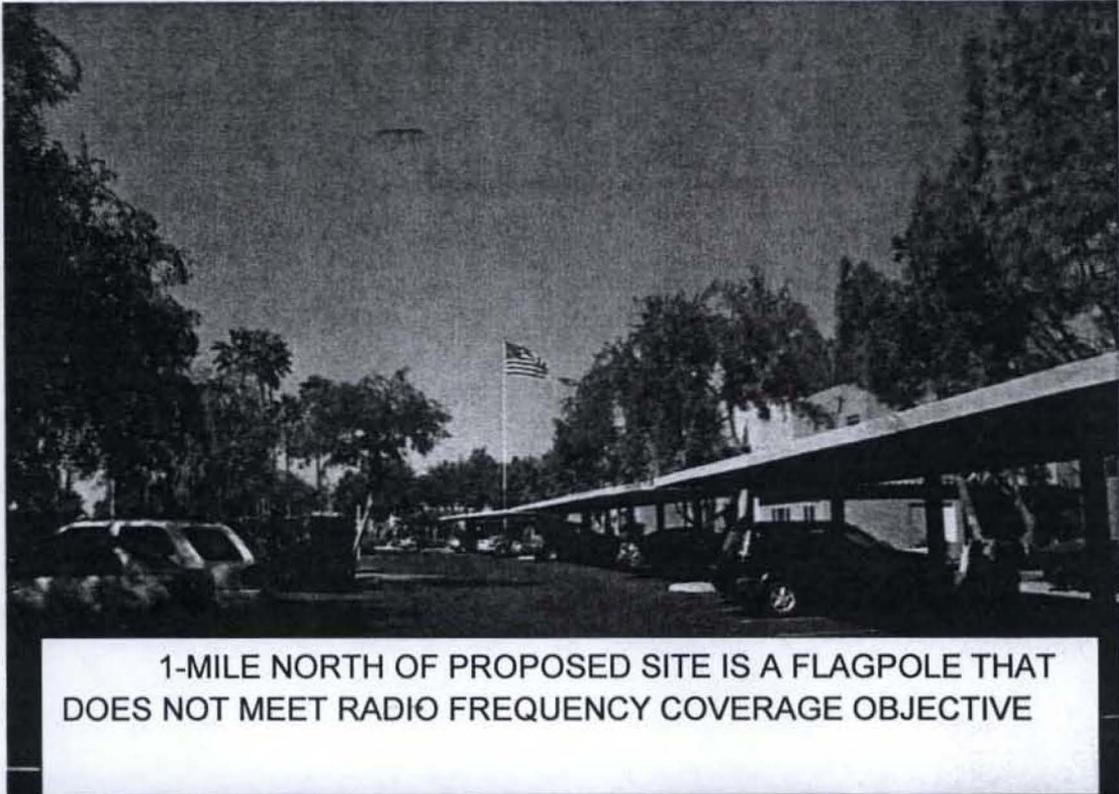
STRIP MALL .5-MILES SOUTHWEST OF PROPOSED SITE DOES NOT MEET RADIO FREQUENCY COVERAGE OBJECTIVE



CITY PARK IS ACCEPTABLE LOCATION BUT EXISTING VERTICAL ELEMENTS (LIGHT POLES) ARE 15-FEET IN HEIGHT WHICH IS MUCH SHORTER THAN THE REQUIRED RADIO FREQUENCY HEIGHT



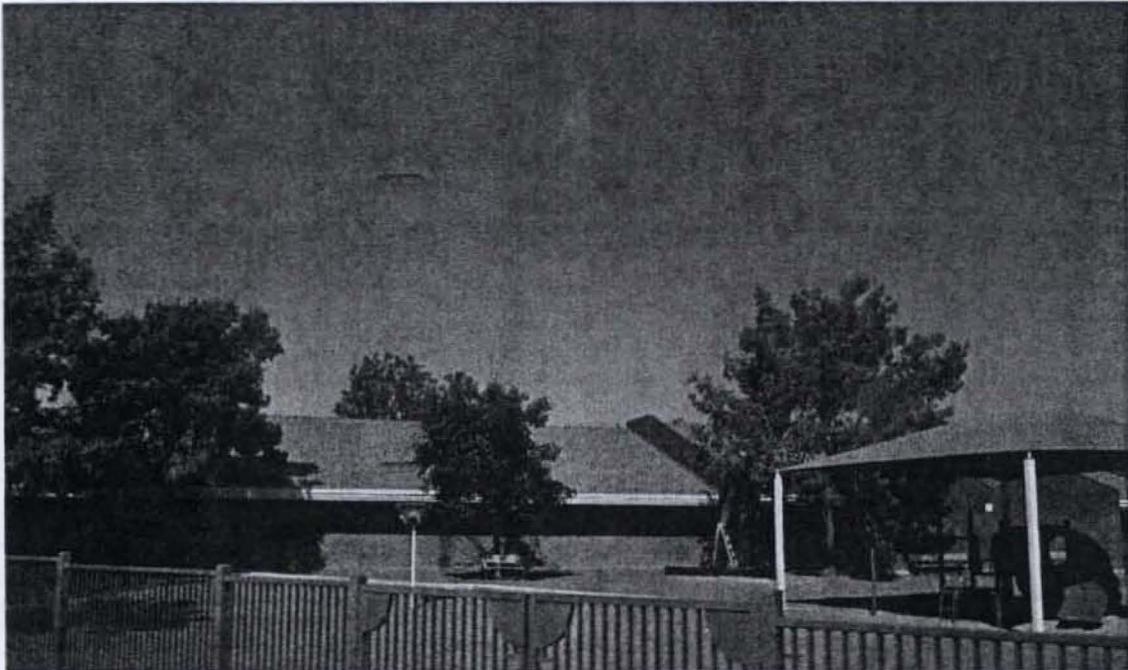
.4-MILES SOUTHWEST OF PROPOSED SITE DOES NOT MEET RADIO FREQUENCY COVERAGE OBJECTIVE



1-MILE NORTH OF PROPOSED SITE IS A FLAGPOLE THAT DOES NOT MEET RADIO FREQUENCY COVERAGE OBJECTIVE



.75 MILES SOUTH EAST OF PROPOSED SITE IS A FLAGPOLE THAT DOES NOT MEET RADIO FREQUENCY COVERAGE OBJECTIVE



SUBJECT SCHOOL PROPERTY HAS A FLAGPOLE THAT IS TOO SHORT TO PROVIDE THE NEEDED HEIGHT EVEN WITH THE CITIES ALLOWED 25-FOOT HEIGHT INCREASE. PLUS THE SCHOOL DISTRICT WAS UNWILLING TO ALLOW THE FLAGPOLE TO BE USED DUE TO THE LOCATION

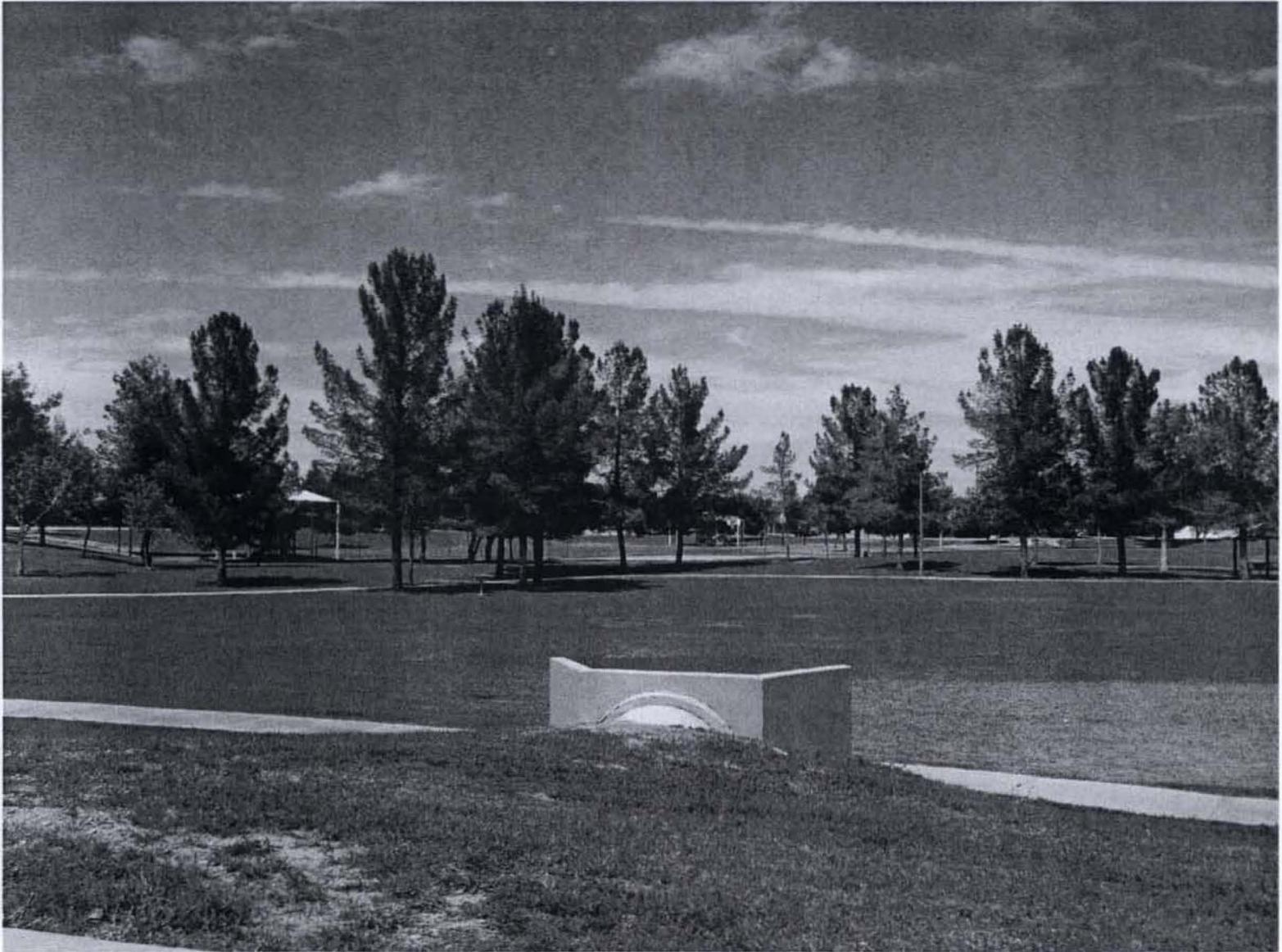


1-MILE NORTHEAST OF PROPOSED SITE IS AN IMITATION PALM THAT DOES NOT MEET RADIO FREQUENCY COVERAGE OBJECTIVE







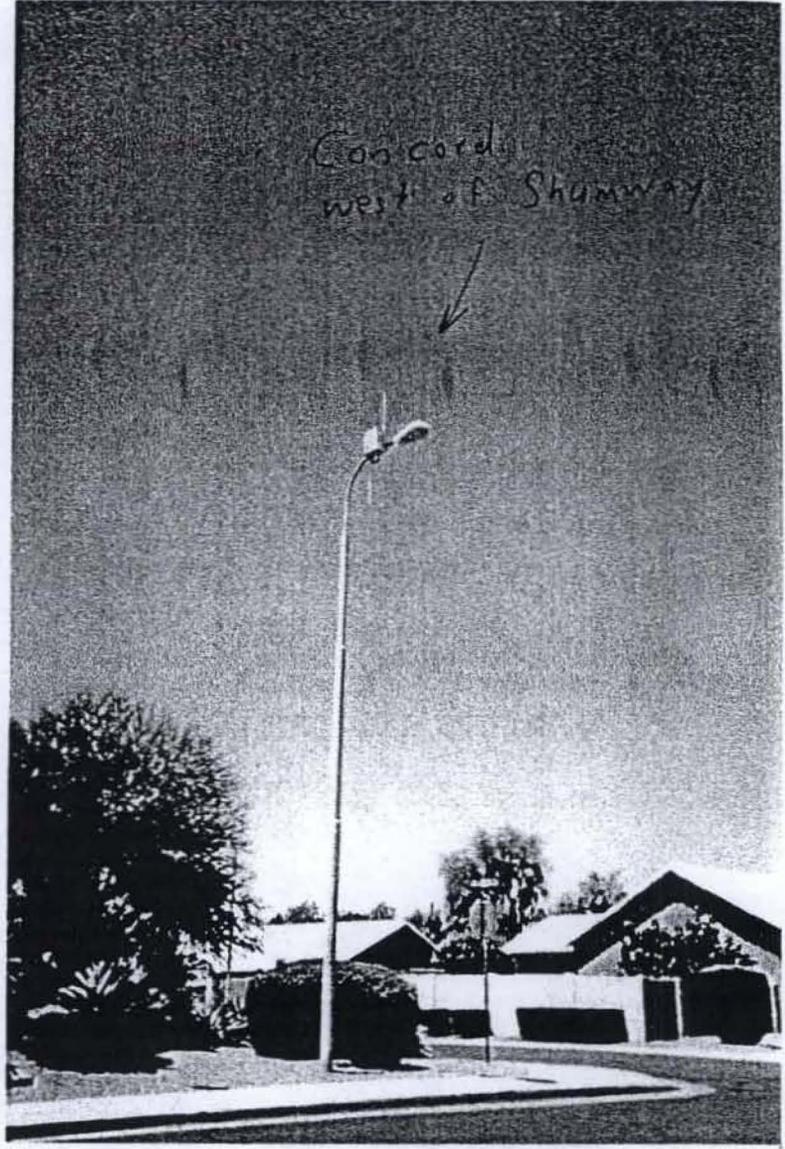
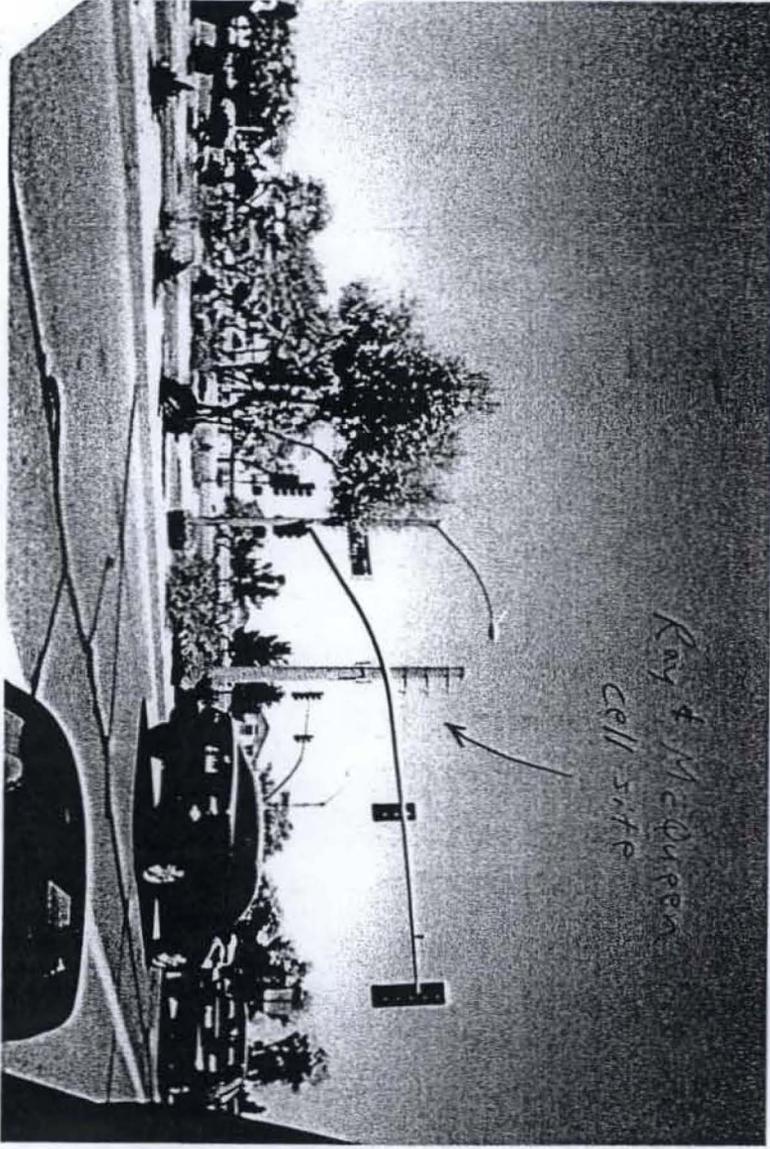


7/13/09

This petition is to voice disapproval and vote against the installation of a 65 foot monopine wireless communications facility on the campus of Shumway Elementary School at 1325 N. Shumway Avenue. As residents of the neighborhoods surrounding Shumway Elementary School we feel wireless communications expansion should reuse existing cell tower and utilities equipment at Highland & Cooper site, or Ray Road & McQueen Site or use much smaller non-intrusive light pole small transmitters or the like such equipment on a small scale. The 65 foot facility would only serve to lower our property values and create an 'RF' signal hot spot in our park as well as become a massive eye sore on our community.

<u>Name</u>	<u>Address</u>	<u>Signature</u>
Roland & Debbie Latvala	1272 N. Bedford Dr. Chandler, AZ 85225	<i>[Signature]</i>
John P. Falt	Debbie A. Latvala	
LAWAN & CAROL ANN	1273 N. Bedford Dr. Chandler AZ 85225	<i>[Signature]</i>
Daniel L. Lamm		
Martin Dorr	1330 N. Shumway Ave, Chandler AZ 85225	
Mestih Dorr		
Donna Lazzara	1270 N Concord Ave	<i>[Signature]</i>
Teri Garcia	1230 N Concord Ave	<i>[Signature]</i>
7/14/09 Sandy Butenschoen	1282 N. Bedford Dr.	<i>[Signature]</i>
FAN - JILL TIZEN		disagree
	1240 N. CONCORD AVE	85225
DIANE HEYER	1210 N CONCORD AVE CHANDLER AZ 85225	
Ashur Lazar	1271 N. Concord Ave Chandler 85225	

Existing Cell sites





Fw: proposed cell tower at Shumway Park
Mayor and Council to: CityClerkDivision
Sent by: **Susan Moore**

08/05/2009 04:34 PM

----- Forwarded by Susan Moore/COC on 08/05/2009 04:34 PM -----

From: Lynette Murphy <l2m261@q.com>
To: <mayor&council@chandleraz.gov>
Date: 08/04/2009 02:24 PM
Subject: FW: proposed cell tower at Shumway Park

To the Mayor and City Council of Chandler,

I am a resident in the area of the proposed cell tower in Shumway Park. I would like to voice my opposition to this. I agree with the petition that was submitted disapproving of the cell tower. I think the tower will be an eye sore, which will negatively impact our property values. In this economy, we don't need that. More importantly, an "RF" signal hot spot near or around the school and park can have an adverse affect on our children's health. Should we take that chance? I think that the existing cell towers could be utilized by Cricket Wireless.

I am asking you to vote against the proposed cell tower.

Sincerely,

Lynette M. Murphy

Fw: Planning & Zoning Commission
Susan Moore to: CityClerkDivision

08/05/2009 04:50 PM

----- Forwarded by Susan Moore/COC on 08/05/2009 04:50 PM -----

From: Susan Moore/COC
To: Jeff Kurtz/COC
Cc: David Bigos/COC, Melanie Sala-Friedrichs/COC
Date: 08/04/2009 01:21 PM
Subject: Planning & Zoning Commission

I received a phone call from Herbert & Janet Timmerman, 1342 N. Bedford Dr. 480-917-9227.

Mr. & Mrs. Timmerman wanted to express their opposition to the proposed cell phone tower to be built at Shumway Elementary School. They feel it will negatively impact the property value of their home. While they are unable to attend the upcoming meeting, they asked that their concerns be shared with members of the Planning & Zoning Commission.

Thank you!

Susan Moore
City of Chandler
Office of the Mayor & Council
MS 603
PO Box 4008
Chandler, AZ 85244-4008
480-782-2242

 **Think Green ... Don't idle your vehicle.** 



Fw: Say "NO" to proposed cell tower at Shumway Elementary

Mayor and Council to: CityClerkDivision

Sent by: **Susan Moore**

Cc: Jeff Kurtz, William Dermody

08/10/2009 02:56 PM

----- Forwarded by Susan Moore/COC on 08/10/2009 02:56 PM -----

From: Shiron Ruff <xshironx@hotmail.com>
To: <mayor&council@chandleraz.gov>
Date: 08/08/2009 10:07 AM
Subject: Say "NO" to proposed cell tower at Shumway Elementary

Dear Mayor and Councilmen-

I am writing today with concerns of a proposed 65ft cell phone tower on the property of Shumway Elementary school. As a parent of two small children at Shumway and a Provinces resident, I am not at all thrilled with the notion of an impending cell tower being erected in my neighborhood. Our children are already exposed to so much these days, do we really want them parked under a cell phone tower emitting harmful radiofrequency electromagnetic radiation for 6+ hours a day while they attend school?

There is a definite financial draw for our already struggling school system to have an interest in a cell tower on their property seeing as there will be many dollars thrown their way for renting the space. This is no way makes it okay! **Tell me, will it compensate for the number of families that may withdraw their children from the school in protest?**

Please take the time to review the following link and ask yourself, is this tower worth putting our children at risk? Especially when Cricket Wireless could reuse existing cell towers at the nearby intersections of Highland & Cooper or Ray and McQueen.

<http://www.feb.se/emfguru/Research/dr-henry.html>

I will be in attendance at the Aug 13th meeting to express my outrage. The city has said "NO" before to cell towers on school campuses, will you stand with us and do it again?

Sincerely,

Shiron Ruff
1348 N Velero St
Chandler, 85225
480-219-2949

Get your vacation photos on your phone! [Click here.](#)



Fw: cell tower at Shumway Elementry

Mayor and Council to: CityClerkDivision

Sent by: **Susan Moore**

Cc: Jeff Kurtz, William Dermody

08/10/2009 04:33 PM

----- Forwarded by Susan Moore/COC on 08/10/2009 04:33 PM -----

From: "Terry & Karen" <tksebring@cox.net>
To: <Mayor&council@chandleraz.gov>
Date: 08/09/2009 02:24 PM
Subject: cell tower at Shumway Elementry

Mayor

Why in god's name would we even think about putting a cell tower on or near a school full of children let alone one that will be 20 feet higher than any tree. I hope u will look into this for us and know we would all like them to build it somewhere else. By the way our cell phones all work fine here in chandler so why mess with something that already works.

Thanks

Terry B Sebring



Fw: Cell Tower at Shumway Elementary School

Mayor and Council to: CityClerkDivision

Sent by: **Susan Moore**

Cc: Mblannin

08/11/2009 03:57 PM

----- Forwarded by Susan Moore/COC on 08/11/2009 03:57 PM -----

From: "Maxx514" <maxx514@cox.net>
To: <Mayor&Council@chandleraz.gov>
Date: 08/11/2009 09:23 AM
Subject: Cell Tower at Shumway Elementary School

Dear Mayor Dunn and council,

I am emailing today to ask that you vote no on the cell tower that Cricket Wireless would like to install at Shumway Elementary School. I live right down the street from the school and all of my children have attended Shumway. I do not wish to look at a 65' fake pine tree within the park with the 600 square foot structure surrounding it. This is not the right place for a cell tower. We simply do not know the long term effects of such a thing on our children and therefore, it is simply not a risk I am willing to take.

Our children at Shumway and the surrounding areas utilize the park on a daily basis. To take away 600 square feet of the park between the basketball courts and the playground will really take away from the park's appeal. Our children are in the park everyday that school is in session and many students partake in running club; an after school club that runs from October through March.

I find it a bit suspect when I read the planning and zoning report that stated that the applicant held a community meeting at the site in March and no citizens were in attendance. I live right down the street from Shumway school and the first that I heard of this was from a flyer that was left at my door from a concerned neighbor two weeks ago. How can the applicant expect citizen attendance when we weren't informed?

I know many of the parents at Shumway are concerned and have circulated a petition this week.

I urge you and the council to vote against the erection of the cell tower at Shumway Elementary at the council meeting on Thursday.

Sincerely,

Todd and Cathie LaBarbera



Fw: Petition of Disapproval for the Cell Tower Built at Shumway Elementary School

Melanie Sala-Friedrichs to: William Dermody, CityClerkDivision

08/12/2009 02:21 PM

Cc: David Bigos, Susan Moore

From: "Yu Hin (Jeffrey) Lam" <jeffrey168@gmail.com>

To: Mayor&Council@chandleraz.gov

Date: 08/12/2009 12:56 PM

Subject: Petition of Disapproval for the Cell Tower Built at Shumway Elementary School

Mayor Dunn and Council Members,

I am one of the four residents at the following residence, **1273 N Bedford Dr Chandler, AZ 85225** and I am writing you this email as a petition against building the cellular tower located at Shumway Elementary. My family and homeowners adjacent to ours are **STRONGLY** against building the 65-foot cellular tower on the school's south playground next to the Provinces Park because it will be an eyesore to those who use the park and homeowners near it. Towering at at 65-feet, the tower will obviously be at least 20 feet higher than the trees at Shumway Elementary/Provinces Park. Even if it will be disguised as a pine tree, it will be obvious that the 'pine tree' is a cell tower. Not only will the tower be an eyesore, it will lower the housing values around the area as well. Lowering our housing values will not only affect us, but the city as well because since the property taxes are dependent on the property value, the property taxes the city receives from the homeowners in this area will lower as well.

As a taxpayer and a resident of Chandler, I strongly suggest Mayor Dunn and the Council Members vote against building the cell tower at Shumway Elementary, but instead reuse existing cell towers at Highland and Cooper, Ray & Mcqueen, or other similar sites outside the neighborhood.

Representative for the Lam Family,
Yu Hin (Jeffrey) Lam
Barrett, The Honors College
W.P Carey School of Business

Fw: Petition of Disapproval for the Cell Tower Built at Shumway Elementary School

Susan Moore to: CityClerkDivision
Cc: William Dermody, Jeff Kurtz

08/13/2009 09:39 AM

----- Forwarded by Susan Moore/COC on 08/13/2009 09:39 AM -----

From: "Yu Hin (Jeffrey) Lam" <jeffrey168@gmail.com>
To: Bob.Caccamo@chandleraz.gov
Date: 08/12/2009 10:11 PM
Subject: Re: Petition of Disapproval for the Cell Tower Built at Shumway Elementary School

I have not contacted Chandler Unified School District but I hope to be able to attend the meeting tomorrow.

Yu Hin (Jeffrey) Lam
Arizona State University
Barrett, The Honors College
W.P Carey School of Business

On Wed, Aug 12, 2009 at 4:20 PM, <Bob.Caccamo@chandleraz.gov> wrote:

Dear Lam Family,

Thank you for writing. I too have several concerns about the tower.

I hope you are at the Council meeting Thursday to express your thoughts to City officials.

Did you contact the Chandler School District?

It has some questions to answer.

Bob Caccamo

▼ "Yu Hin (Jeffrey) Lam" ---08/12/2009 12:56:36 PM---Mayor Dunn and Council Members, I am one of the four residents at the following residence, *1273 N B

From: "Yu Hin (Jeffrey) Lam" <jeffrey168@gmail.com>
To: Mayor&Council@chandleraz.gov
Date: 08/12/2009 12:56 PM
Subject: Petition of Disapproval for the Cell Tower Built at Shumway Elementary School



Fw: Tonights city council meeting vote

Melanie Sala-Friedrichs to: CityClerkDivision, William Dermody
Cc: Patrick McDermott, Mark Pentz, Rich Dlugas

08/13/2009 02:55 PM

----- Forwarded by Melanie Sala-Friedrichs/COC on 08/13/2009 02:55 PM -----

From: <dkeesee2@cox.net>
To: Mayor&council@chandleraz.gov
Date: 08/13/2009 02:47 PM
Subject: Tonights city council meeting vote

Dear Mayor and city council members,

My name is DeAnna Keesee-Pangaldan and live at 1208 N Velero St. Chandler, AZ 85225. I am a concerned citizen and unfortunately cannot attend tonights city council meeting regarding the installation of a cell tower at Shumway Elementary School. After doing some research today online, I've found that the most common reason a wireless tower would be located at a grade school, or any school, is because the school district will be receiving money from the wireless company to 'rent' the sight. But how much will we (not the school district) be paying in medical bills if our children come down with cancer or have growth issues if their bodies are exposed to these waves 7+ hours a day? I'm also upset with the school that something like this was going up IN THE PLAYGROUND and no one feels a need to contact the parents. Also, I've read that even though some of these towers have levels far below harmful, that's if they are running properly over the next 10 years (standard contract length) and maintenance regularly. I myself don't want my child exposed for a single minute to any harmful levels whether it can be fixed or not! I noticed in the proposal that the phone company will be required to keep the tower "maintained in a clean and orderly manner". Therefore, please vote NO on the proposal for our childrens sake.

Thank you for your time,

DeAnna Keesee-Pangaldan

Fw: Cell Phone Tower- Shumway Park

Susan Moore to: CityClerkDivision

Cc: William Dermody, Jeff Kurtz

08/13/2009 04:43 PM

----- Forwarded by Susan Moore/COC on 08/13/2009 04:43 PM -----

From: Patti Taylor <taylor.patti@gmail.com>
To: Mayor&council@chandleraz.gov
Date: 08/13/2009 04:38 PM
Subject: Cell Phone Tower- Shumway Park

Dear Mayor and city council members,

My name is Patricia Taylor and live in the Provence community. I am a concerned citizen and unfortunately cannot attend tonight's city council meeting regarding the installation of a cell tower at Shumway Elementary School. After doing some research today online, I've found that the most common reason a wireless tower would be located at a grade school, or any school, is because the school district will be receiving money from the wireless company to 'rent' the site. But how much will we (not the school district) be paying in medical bills if our children come down with cancer or have growth issues if their bodies are exposed to these waves 7+ hours a day? I'm also upset with the school that something like this was going up IN THE PLAYGROUND and no one feels a need to contact the parents. Also, I've read that even though some of these towers have levels far below harmful, that's if they are running properly over the next 10 years (standard contract length) and maintenance regularly. I myself don't want my child exposed for a single minute to any harmful levels whether it can be fixed or not! I noticed in the proposal that the phone company will be required to keep the tower "maintained in a clean and orderly manner". Therefore, please vote NO on the proposal for our children's sake.

Thank you for hearing my concerns,
Patricia Taylor