



# STAFF APPROVAL LETTER

350-SA-2011

AT&T Scottsdale Fashion Square (W437)  
Yagi Antennas

## STEP 1

### STAFF APPROVAL NOTIFICATION

This letter is notification that your request has been conceptually approved by Current Planning Services staff.

Additional review and permits may be required. Refer to Final Plan Review Submittal Requirements below.

This approval expires one (1) year from date of approval if a permit has not been issued, or if no permit is required, work for which approval has been granted has not been completed.

### PROJECT INFORMATION

LOCATION: 7032 E Camelback Rd  
PARCEL: 173-37-003  
Q.S.: 18-44  
CODE VIOLATION #:

APPLICANT: Kevin Sonoda  
COMPANY: City of Scottsdale  
ADDRESS: 7447 E Indian School Rd Scottsdale, AZ 85251  
PHONE: 480-312-4138

Request: Install 2 Yagi antennas to the exterior of the northern parking garage at Fashion Square mall adjacent to the existing AT&T panel antennas that will connect to the AT&T Distributed Antenna System inside the mall.

### STIPULATIONS

- Plans submitted for permit and construction shall match the plan prepared by Young Design Corp. dated 9/30/2011.

Related Cases: 350-SA-2011, 346-SA-2010

SIGNATURE: \_\_\_\_\_

Keith Niederer

DATE APPROVED: 10-10-11

## STEP 2

### FINAL PLAN REVIEW SUBMITTAL REQUIREMENTS

Submit one copy of this approval letter, and a completed Owner/Builder form if applicable, to the One-Stop-Shop and obtain a Minimum Building/Electrical permit.



October 6, 2011

Mr. Kevin Sonoda  
City of Scottsdale  
7384 E. 2<sup>nd</sup> Street  
Scottsdale, AZ 85251

Dear Mr. Sonoda,

AT&T is requesting city approval to install an antenna that is required to "capture" and to transmit the public safety radio frequencies for the Bi-directional Amplification (BDA) system that will be connected to the AT&T Distributed Antenna System (DAS) system at Fashion Square.

Scottsdale Fashion Square is hereby granting permission for AT&T to mount the antenna on the east-facing wall of the Red parking garage near the existing AT&T cellular antennas.

Please use this letter of authorization to receive zoning approval so that AT&T may proceed with the installation.

Sincerely,

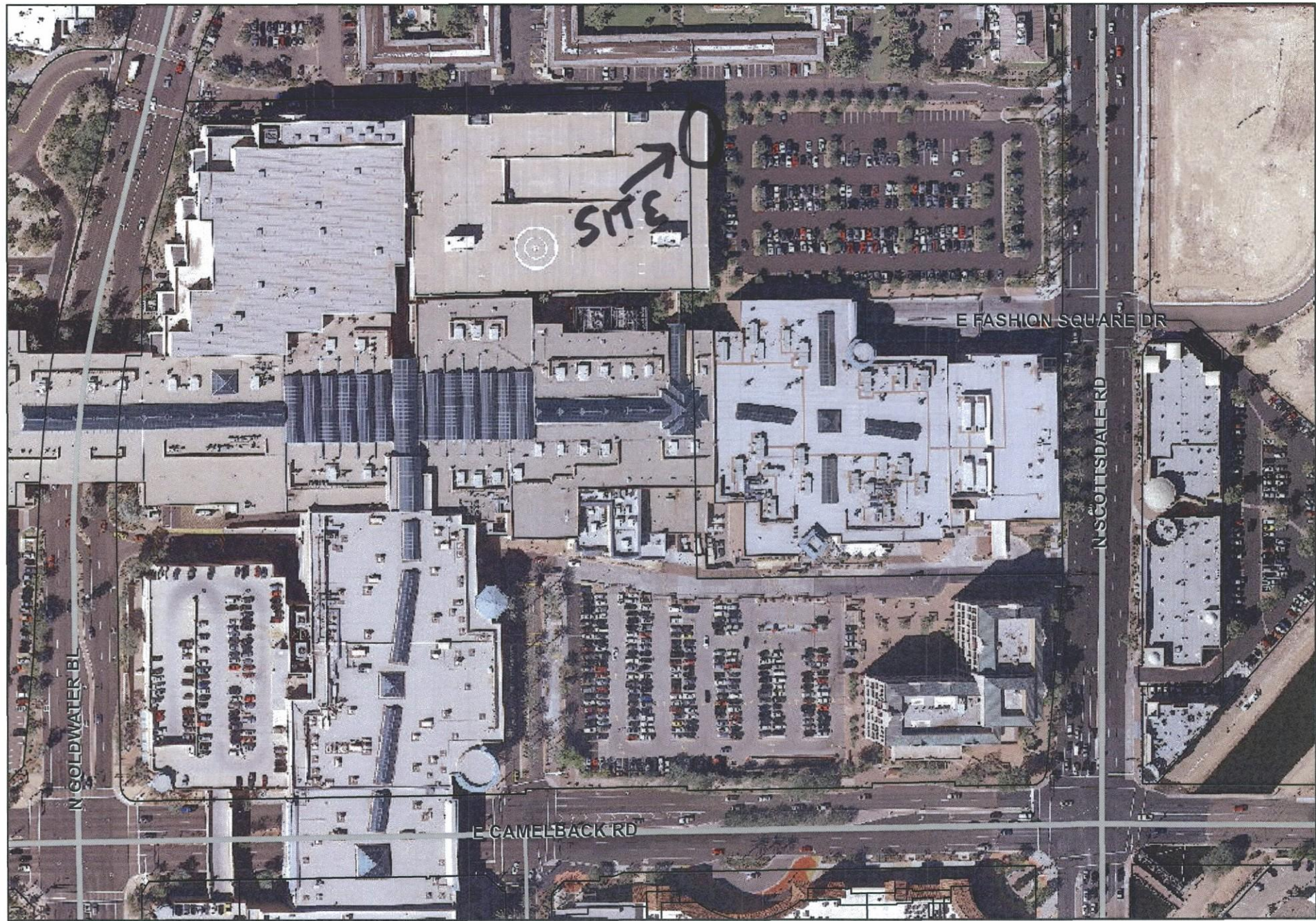
A handwritten signature in black ink, appearing to read "Steven R. Helm". The signature is fluid and cursive.

Steven R. Helm, SCSM  
AVP Property Management  
Scottsdale Fashion Square

Scottsdale Fashion Square  
7014-590 E. Camelback Road  
Scottsdale, AZ 85251  
P: 480.945.5495 | F: 480.423.1455  
[www.westcor.com](http://www.westcor.com)



# AT&T Yagi Antennas



150 0 300  
Feet

kniederer  
10/10/2011 5:55:21 PM

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at&t

**SITE NAME:** SCOTTSDALE FASHION SQUARE  
(PUBLIC SAFETY ADDITION)  
**SITE #:** W437  
**CITY:** SCOTTSDALE  
**STATE:** ARIZONA  
**COUNTY:** MARICOPA  
**DESIGN TYPE:** FACADE MOUNT ANTENNAS

## PROJECT INFORMATION

**ADDRESS**  
7014 E. CAMELBACK ROAD  
SCOTTSDALE, AZ 85251

**COORDINATES**  
LATITUDE: 33.50456°  
LONGITUDE: -111.92797°

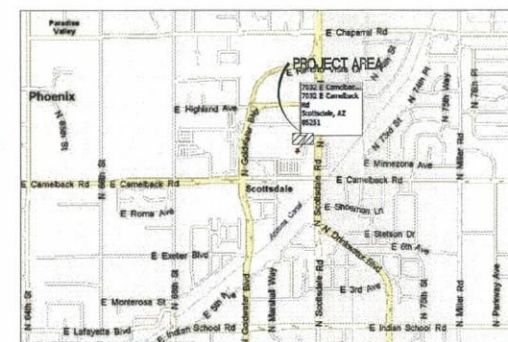
**LANDLORD**  
SCOTTSDALE FASHION SQUARE LLC  
2235 FARADAY AVE, SUITE O  
CARLSBAD, CA 92008

**LAND DESCRIPTION OF SUBJECT PARCEL**  
ZONING: D/RCO-2  
APN: 173-37-003

**PROJECT OWNER**  
ATT WIRELESS  
20830 N. TATUM BLVD., SUITE A-1  
PHOENIX, AZ. 85050

**PROJECT MANAGER**  
MIKE HELGERSON (AT&T MOBILITY)  
20830 N. TATUM BLVD., SUITE A-1  
PHOENIX, AZ. 85050  
PHONE: (480) 515-7034

**PROJECT INFORMATION**  
CONSTRUCTION TYPE: II-B  
OCCUPANCY: U-2



## DIRECTIONS TO SITE

FROM ATT OFFICE TAKE LOOP 101 EAST TO CHAPARRAL ROAD EXIT. TURN WEST AND PROCEED TO SCOTTSDALE ROAD. TURN SOUTH ONTO SCOTTSDALE ROAD AND PROCEED TO MALL PARKING LOT ENTRANCE NORTH OF MALL. ENTER PARKING GARAGE AND PROCEED TO 5TH LEVEL.

**CLIENT**  
  
20830 N. TATUM BLVD  
SUITE A-1  
PHOENIX, AZ 85050

**PLANS PREPARED BY**  
  
architecture / project management  
10245 E. Via Linda, Scottsdale, AZ 85258  
ph: 480 451 9609 fax: 480 451 9608  
e mail: corp@ydcoffice.com

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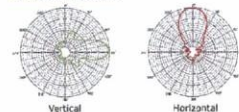


## 746-896 MHz Yagi Antenna (11 dBi)

### Specifications

|                            |   |
|----------------------------|---|
| Gain                       | 11 dBi  |
| VSWR                       | <1.7:1  |
| Horizontal Beamwidth       | 48°   |
| Vertical Beamwidth         | 42°   |
| Polarization               | Vertical                                      |
| Maximum Input Power        | 100 Watts                                     |
| Electrical Downtilt        | 0°  |
| Front-Back Ratio           | >16 dB  |
| Connector                  | N-Female                                      |
| Lightning Protection       | Direct Ground                                 |
| Rated Wind Speed           | 134 mph (216 kph)                             |
| Max. Dimensions of Antenna | 2.2 x 8 x 33.1 in. / (55.8 x 203.20 x 840 mm) |
| Weight of Antenna          | 1.76 lb / (0.8 Kg)                            |
| Mounting Hardware          | U-Bolt  |
| Included Mounting Hardware | fits 1 7/8" OD Pipe                           |

### Radiation Patterns



### Model Number

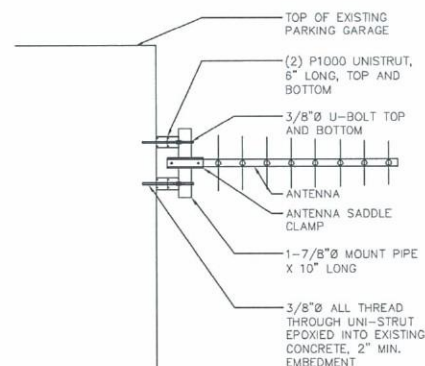
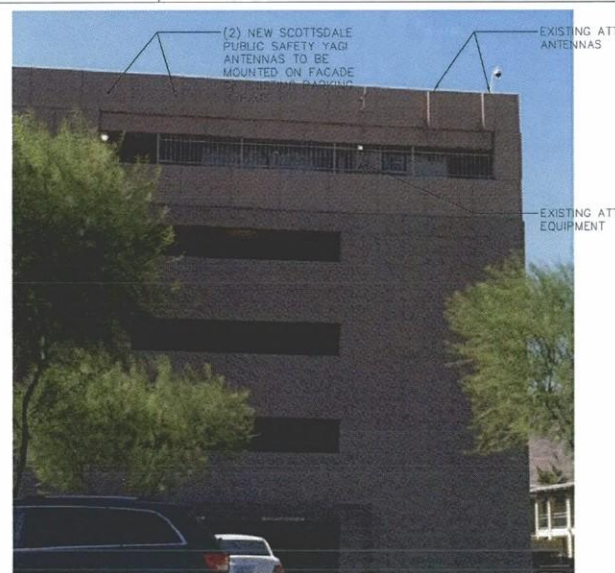
• CSI-AV/746-896/11

### Frequency Range

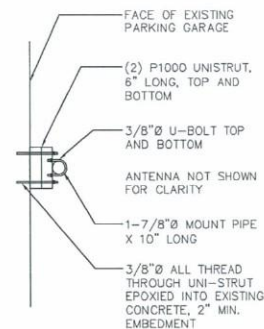
• 746-896 MHz

### Features & Benefits

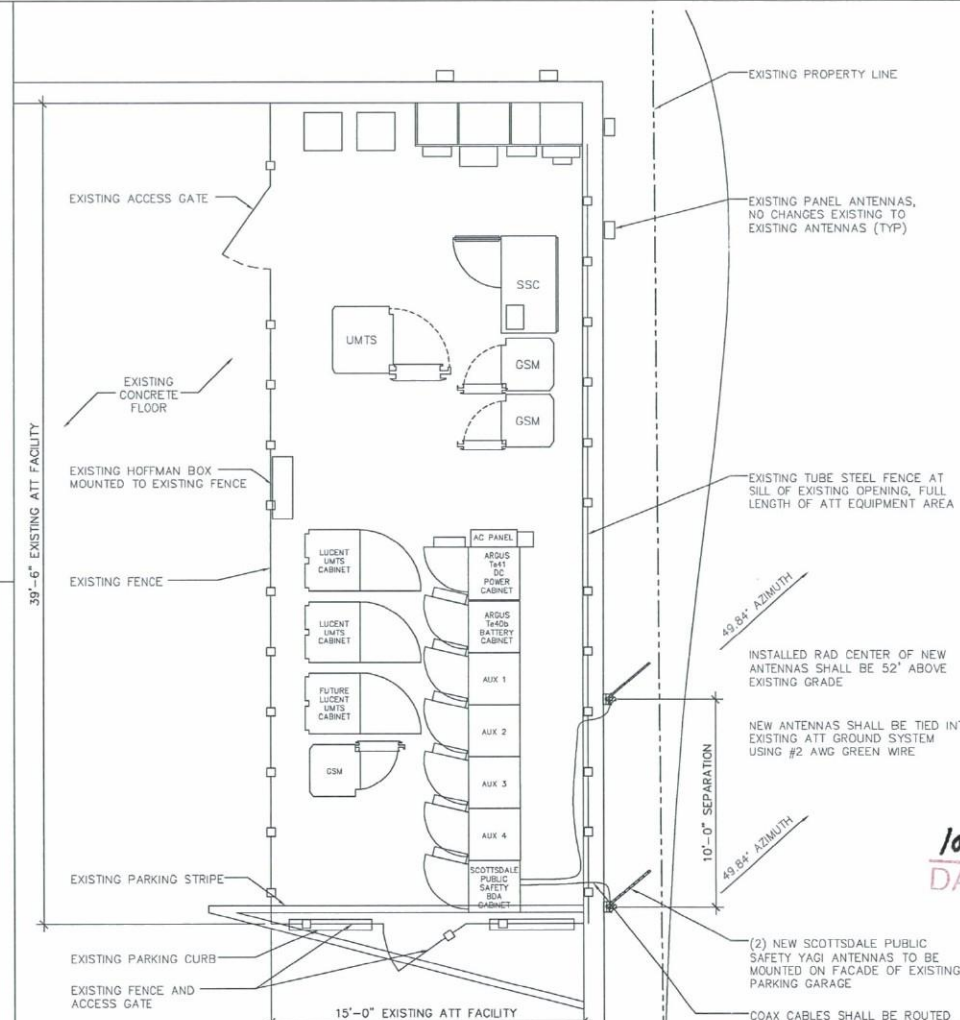
- 11 dBi Gain
- 8 Elements
- Hermetically Sealed Driven Element
- Rugged Lightweight Design
- Stainless Steel Hardware
- Broad Bandwidth



ANTENNA MOUNTING (ELEVATION)



ANTENNA MOUNTING (PLAN)



PROJECT AREA - NORTHEAST CORNER OF EXISTING PARKING GARAGE

| NO. | DATE    | DESCRIPTION |
|-----|---------|-------------|
| 0   | 9/30/11 | REVIEW      |
|     |         |             |
|     |         |             |
|     |         |             |
|     |         |             |
|     |         |             |

ARCHITECTS JOB NO.  
**YDC-3059**

## PROJECT INFORMATION

**W437**

**SCOTTSDALE FASHION SQUARE  
PUBLIC SAFETY ADDITION**

7014 E. CAMELBACK ROAD  
SCOTTSDALE, AZ 85251

SHEET TITLE  
**PROJECT INFORMATION**

## JURISDICTION APPROVAL

APPROVED

10-10-11  
DATE

ICN  
INITIALS

SHEET NUMBER

**T1**



1.877.844.4CSI (4274)  
www.cellularspecialties.com

ANTENNA INFORMATION

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