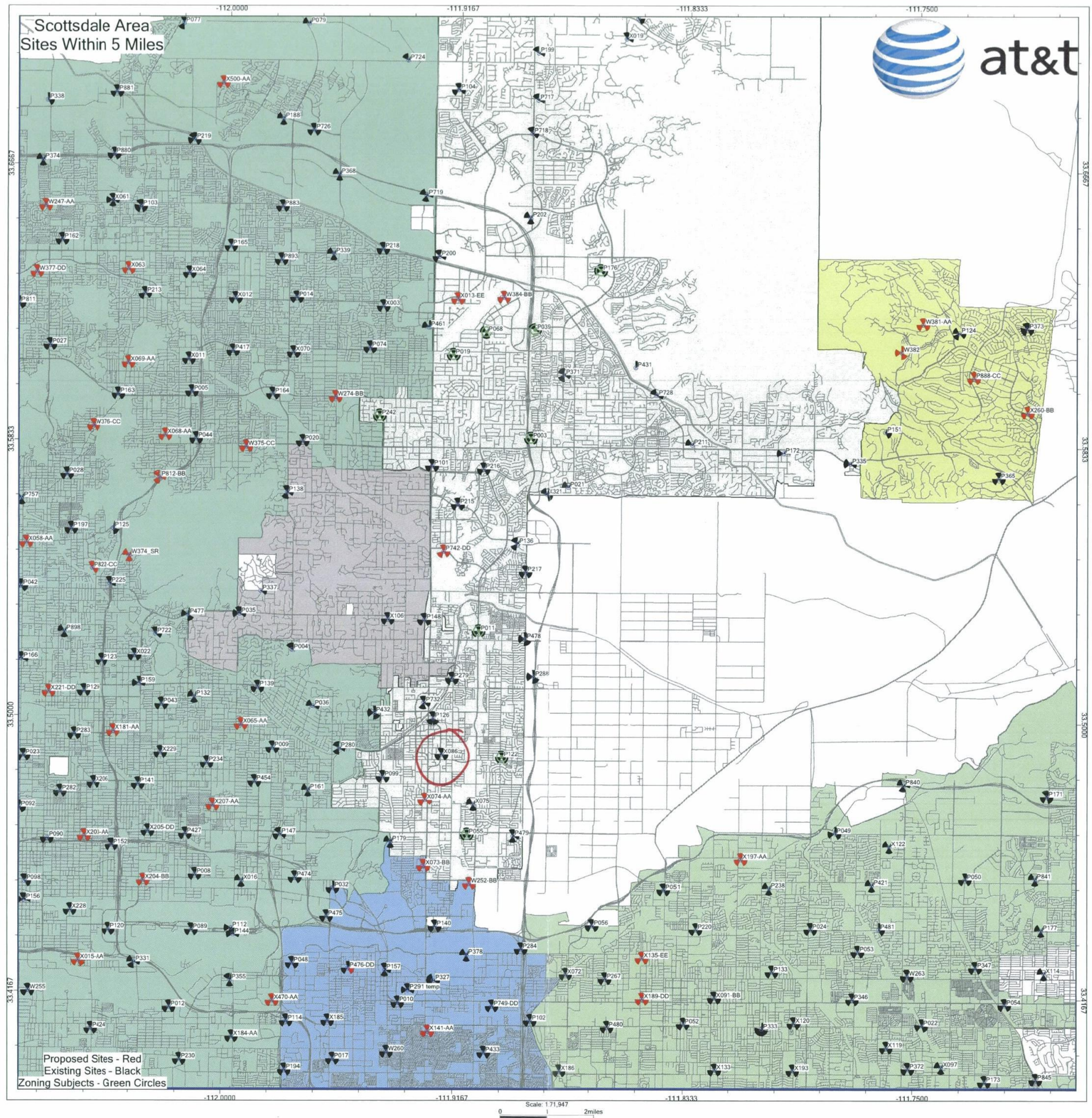




© 2003 AT&T WIRELESS SERVICES, INC. (AWS). THIS DOCUMENT WAS CREATED FOR BECHTEL CORPORATION UNDER AN AGREEMENT WITH AWS. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR USED IN ANY FORM EXCEPT WITH THE WRITTEN PERMISSION OF AWS OR BECHTEL.

PROJECT INFORMATION

SCOPE OF WORK: AT&T PROPOSES TO UPDATE THEIR EXISTING TELECOM FACILITY WHICH CURRENTLY CONSIST OF GROUND MOUNTED EQUIPMENT CABINETS AND PANEL ANTENNAS ATTACHED TO EXISTING POLE. THE PROPOSED SCOPE OF WORK INCLUDES REPLACING (6) EXISTING 4' ANTENNAS WITH (6) 8' ANTENNAS & ADDING (3) RRH'S MOUNTED ON POLE.

SITE ADDRESS: 7408 E. OSBORN RD
SCOTTSDALE, AZ 85251

LATITUDE: 33° 29' 21.00" N
LONGITUDE: -111° 55' 16.00" W
JURISDICTION: CITY OF SCOTTSDALE
EXISTING USE: WIRELESS SITE
PROPOSED USE: UNMANNED TELECOMMUNICATIONS FACILITY
APN: 130-24-001-A
ZONING: R-5

DRAWING INDEX

REV

PHNX-X086-T01	TITLE SHEET	2
PHNX-X086-Z01	OVERALL SITE PLAN	2
PHNX-X086-Z02	EXISTING & PROPOSED DETAIL SITE PLAN	2
PHNX-X086-Z03	EXISTING / PROPOSED ELEVATIONS & ANTENNA DETAIL	2

NOTES

1. THE FOLLOWING NOTES, SYMBOLS AND DETAILS FROM BECHTEL DOCUMENT NUMBER 24782-000-A3-EF-00001 APPLIES TO THE IMPLEMENTATION OF THIS SITE DESIGN PACKAGE. REFERENCE STANDARD NOTES SHEET.

GENERAL NOTES	DETAIL 623 - REV 1
CONSTRUCTION NOTES	DETAIL 101 - REV 2
GROUNDING NOTES	DETAIL 621 - REV 3
ELECTRICAL INSTALLATION NOTES	DETAIL 622 - REV 2
RF NOTES	DETAIL 116 - REV 6
CONCRETE AND REINFORCING STEEL NOTES:	DETAIL 102 - REV 4
SITE WORK GENERAL NOTES	DETAIL 619 - REV 2

A/E DOCUMENT REVIEW STATUS

1	ACCEPTED - WITH MINOR OR NO COMMENTS, CONSTRUCTION MAY PROCEED
2	NOT ACCEPTED - PLEASE RESOLVE COMMENTS AND RESUBMIT

ACCEPTANCE DOES NOT CONSTITUTE APPROVAL OF DESIGN DETAILS, CALCULATIONS, ANALYSIS, TEST METHODS OR MATERIALS DEVELOPED OR SELECTED BY SUBCONTRACTOR AND DOES NOT RELIEVE SUBCONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OBLIGATION.

REVIEWED:	ENG.	CONST.			
BY:			DATE:		

REDLINE DRAWING REVIEW

NAME (PRINT)	SIGNATURE	DATE
--------------	-----------	------

GENERAL CONTRACTOR - CONFIRM ACCURACY OF THESE REDLINE DRAWINGS

NAME (PRINT)	SIGNATURE	DATE
--------------	-----------	------

FIELD COORDINATOR - VERIFY INSTALLATION PER REDLINE DRAWINGS

NAME (PRINT)	SIGNATURE	DATE
--------------	-----------	------

ENGINEERING - Market Engineer Shall Review Redline Drawings To Ensure Changes Do Not Alter The Original Design Intent And/Or Are Code Compliant



primus design group
3200 N. HAYDEN RD STE 320
SCOTTSDALE, AZ 85252

SCOTTSDALE BASEBALL STADIUM

X086

7408 E. OSBORN RD
SCOTTSDALE, AZ 85251



at&t

SITE NUMBER: X086

CANDIDATE NAME: SCOTTSDALE BASEBALL STADIUM

VICINITY MAP

DIRECTIONS:

HEAD EAST FROM THE 101 OFF OF TATUM. DRIVE FOR 17 MILE AND GET OFF ON THE INDIAN SCHOOL EXIT HEADING WEST. DRIVE 2 MILES WEST AND TAKE A LEFT AT DRINKWATER. THE BASEBALL STADIUM IS LOCATED ON THE EAST SIDE OF THE STREET JUST BEFORE OSBORN.



SITE QUALIFICATION PARTICIPANTS

	NAME	COMPANY	NUMBER
A/E	JERRY CASTILLO	PRIMUS DESIGN GROUP	323-541-6689
SAC	CHARLES WILLIAMS	at&t WIRELESS	480-515-7106
RF	STEVEN J ISBELL	at&t WIRELESS	480-515-7075
LANDLORD	KEVIN SONODA	CITY OF SCOTTSDALE	480-312-4138

APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY 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 2006

ELECTRICAL CODE:
[NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2005, NATIONAL ELECTRICAL CODE,
LIGHTNING PROTECTION CODE:
[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 CONSTRUCTION, ASD, NINTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING 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 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C62.41, 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.

DETAIL 103

APPROVALS

AT&T (RF): _____ DATE: _____

AT&T (CONST.): _____ DATE: _____

AT&T (S.A.): _____ DATE: _____

LANDLORD: _____ DATE: _____

LANDLORD: _____ DATE: _____

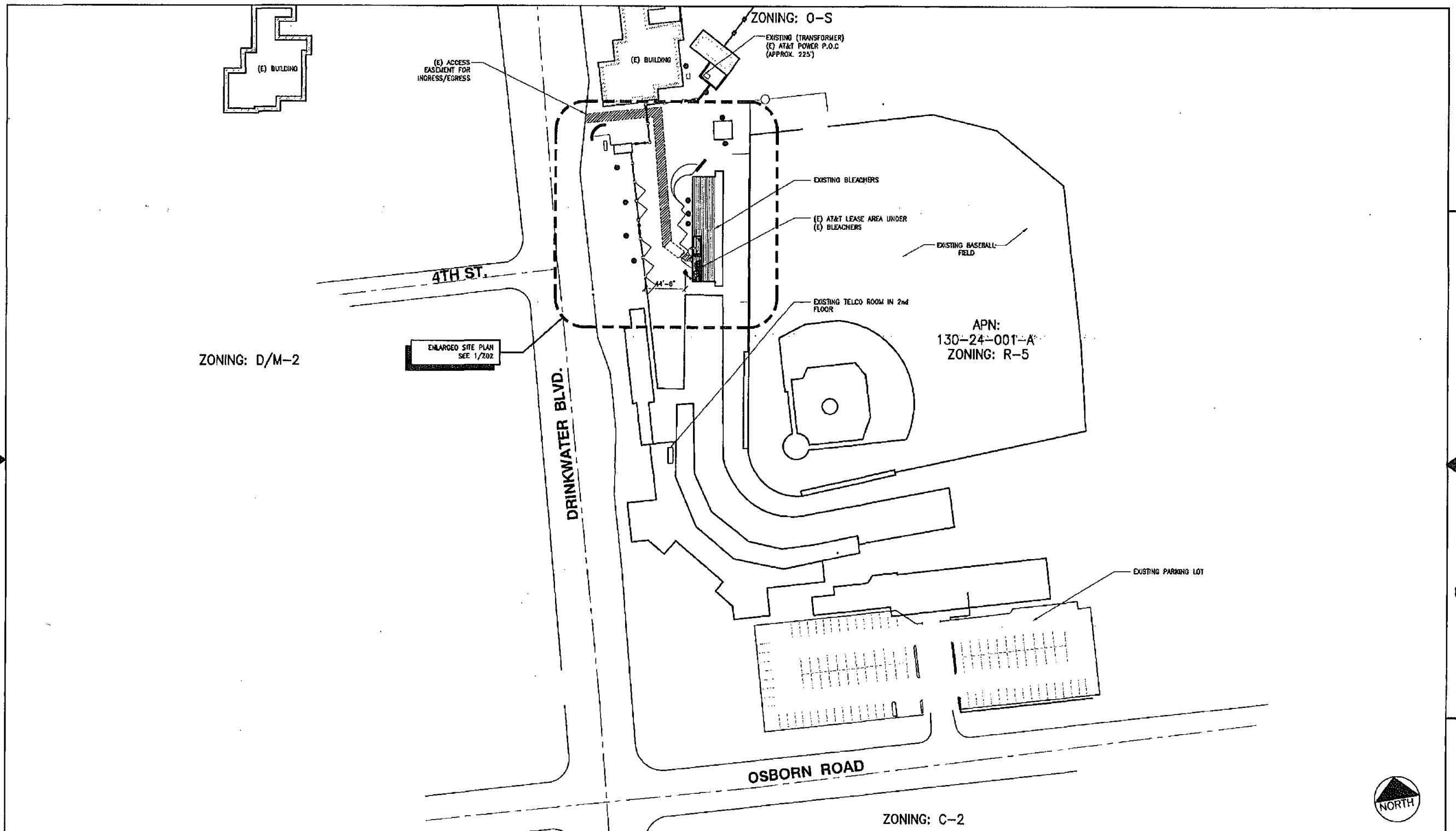
2	04/11/11	ISSUED FOR LANDLORD COMMENTS	JC	AM	JS
1	03/03/11	FINAL ZOS	BR	AM	JS
D	08/31/10	ISSUED FOR FINAL ZOS	JC	AM	JS
A	08/17/10	ISSUED FOR REVIEW	JC	AM	JS
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE	AS SHOWN	DESIGNED:	DRAWN:		

TITLE SHEET

PROJECT NUMBER	DRAWING NUMBER	REV
	X086 - T01	2

31-DR-2011
4/20/11

© 2003 AT&T WIRELESS SERVICES, INC. (AWS). THIS DOCUMENT WAS CREATED FOR BECHTEL CORPORATION UNDER AN AGREEMENT WITH AWS. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR USED IN ANY FORM EXCEPT WITH THE WRITTEN PERMISSION OF AWS OR BECHTEL.



SITE PLAN


primus design group
3200 N. HAYDEN RD STE 320
SCOTTSDALE, AZ 85252
PHONE: 602-453-0050 FAX: 602-453-0002

SCOTTSDALE BASEBALL STADIUM
X086
7408 E. OSBORN RD
SCOTTSDALE, AZ 85251


at&t
AT&T MOBILITY
20830 N. TATUM BLVD. SUITE 400
PHOENIX, AZ 85050
PHONE: (480) 414-1829

NO.	DATE	REVISIONS	BY	CHK	APP'D
2	04/11/11	ISSUED FOR LANDLORD COMMENTS	JC	AM	JS
1	03/03/11	FINAL ZDS	BR	AM	JS
0	08/31/10	ISSUED FOR FINAL ZDS	JC	AM	JS
A	08/17/10	ISSUED FOR REVIEW	JC	AM	JS

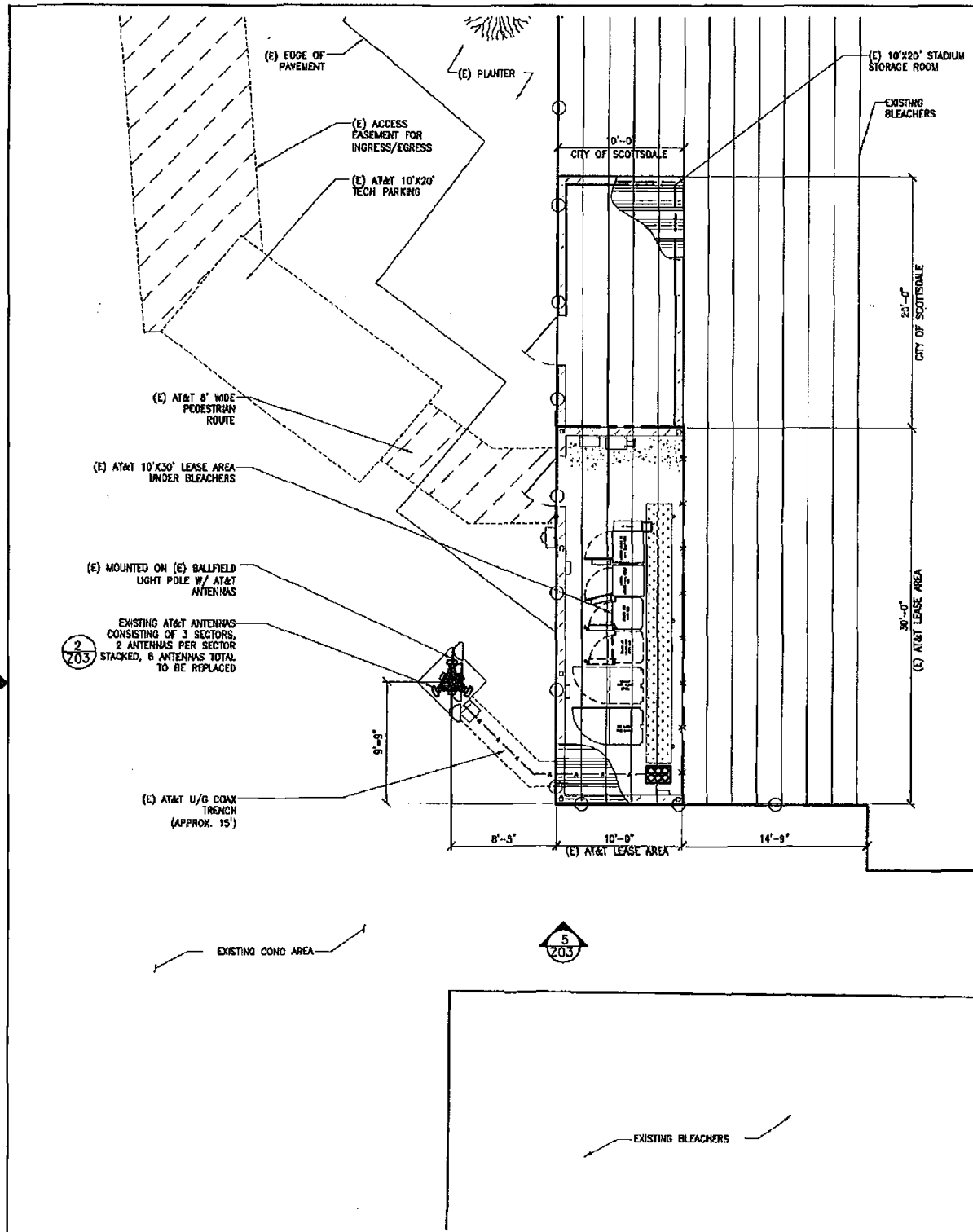
SCALE: AS SHOWN DESIGNED: DRAWN:

SCALE: 1"=50'-0" 1

OVERALL SITE PLAN

PROJECT NUMBER	DRAWING NUMBER	REV
	X086 - Z01	2

© 2003 AT&T WIRELESS SERVICES, INC. (AWS) - THIS DOCUMENT WAS CREATED FOR BECHTEL CORPORATION UNDER AN AGREEMENT WITH AWS. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR USED IN ANY FORM EXCEPT WITH THE WRITTEN PERMISSION OF AWS OR BECHTEL.



EXISTING DETAIL SITE PLAN

SCALE
3/16" = 1'-0"

2

PROPOSED DETAIL SITE PLAN

SCALE
3/16" = 1'-0"

1



PHONE: 602-453-0050 FAX: 602-453-0002

SCOTTSDALE BASEBALL STADIUM
X086

7408 E. OSBORN RD
SCOTTSDALE, AZ 85251



AT&T MOBILITY
20830 N. TATUM BLVD. SUITE 400
PHOENIX, AZ 85050
PHONE: (480) 414-1829

2	04/11/11	ISSUED FOR LANDLORD COMMENTS	JC	AM	JS
1	03/03/11	FINAL ZDS	BR	AM	JS
0	08/31/10	ISSUED FOR FINAL ZDS	JC	AM	JS
A	08/17/10	ISSUED FOR REVIEW	JC	AM	JS
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE	AS SHOWN	DESIGNED:	DRAWN:		

EXISTING & PROPOSED DETAIL
SITE PLAN

PROJECT NUMBER	DRAWING NUMBER	REV
	X086 -- Z02	2

6

5

4

3

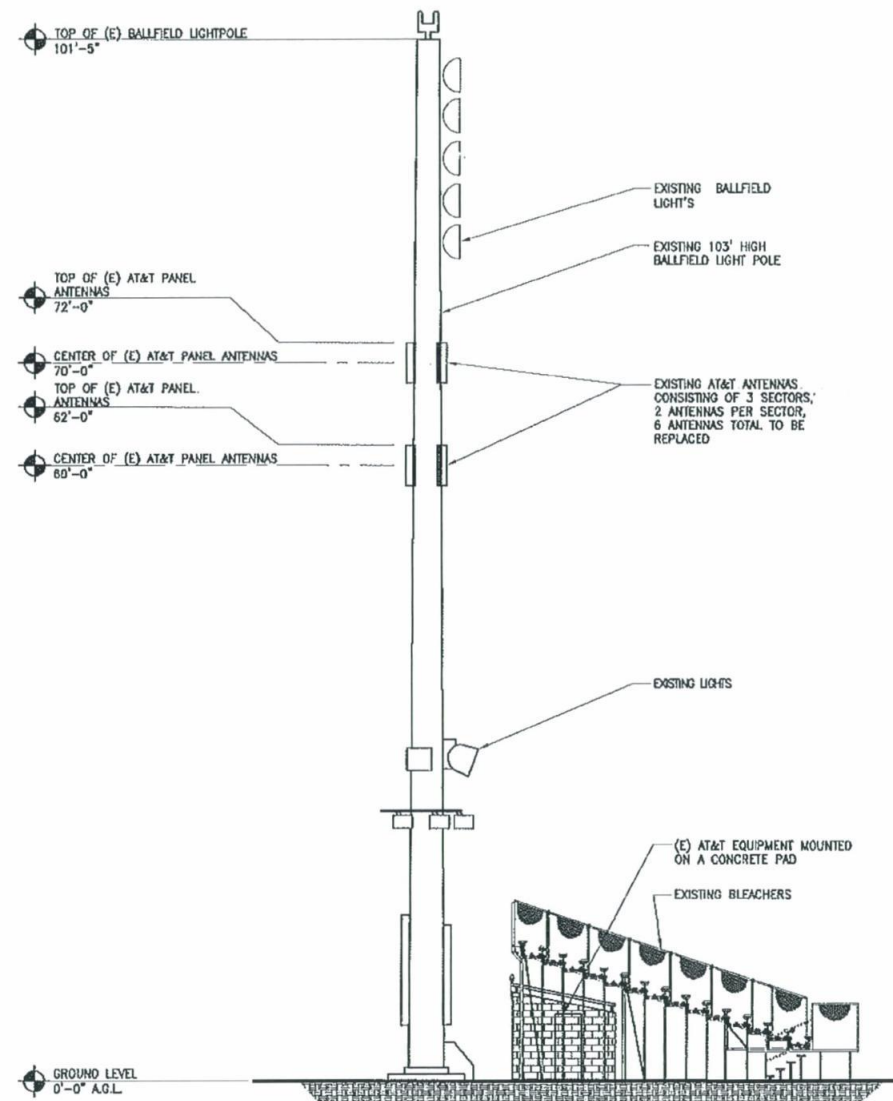
2

A

B

C

D



EXISTING ELEVATION



3200 N. HAYDEN RD STE 320
SCOTTSDALE, AZ 85252

PHONE: 602-453-0050

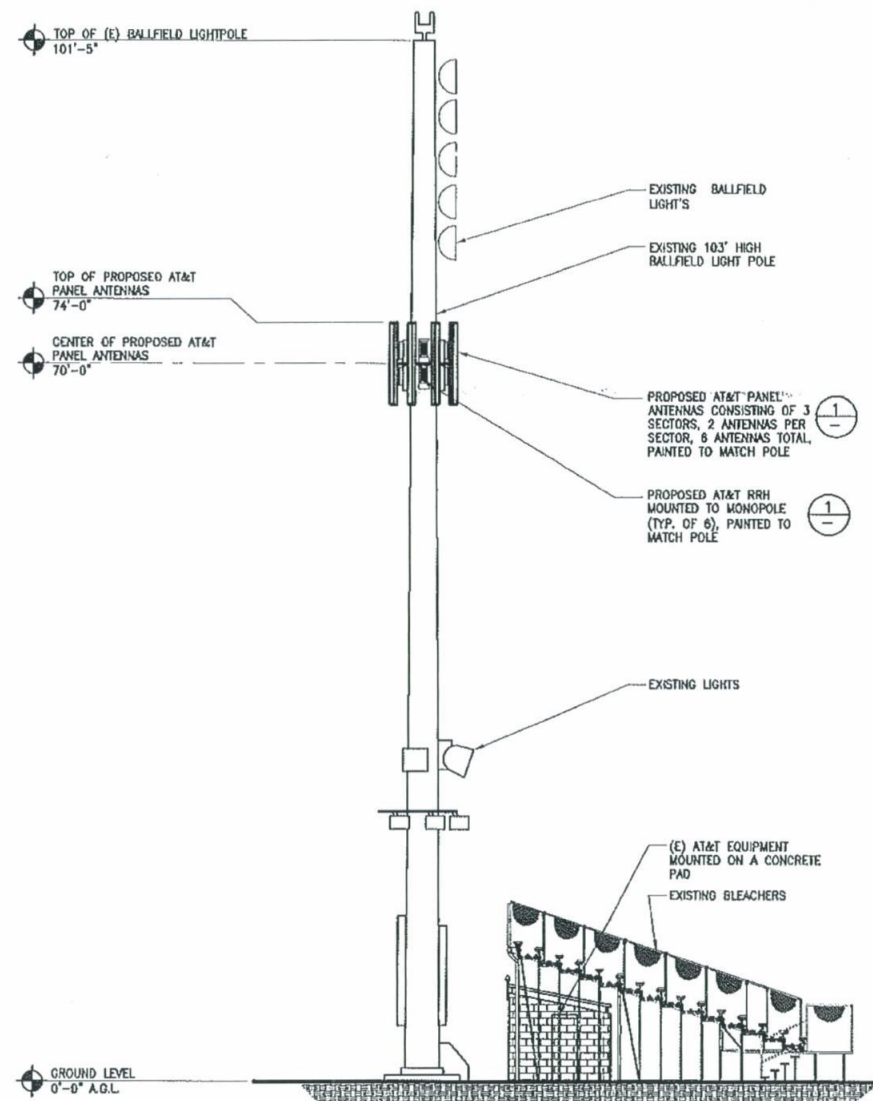
FAX: 602.453.0002

SCOTTSDALE BASEBALL STADIUM

X086

7408 E. OSBORN RD
SCOTTSDALE, AZ 85251

BORN RD
A7 85259

**PROPOSED ELEVATION**

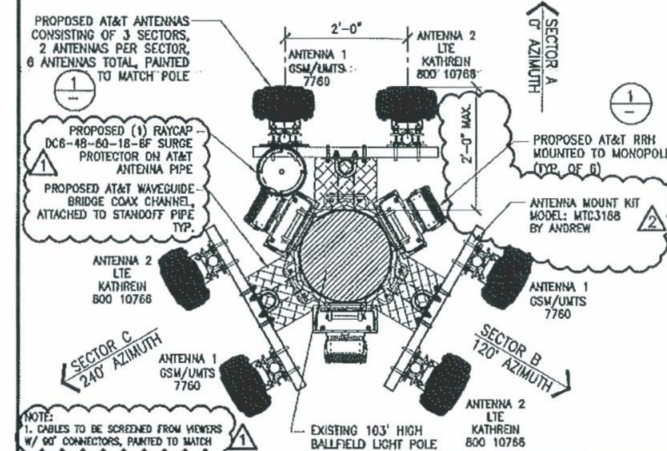
at&t

AT&T MOBILITY
20830 N. TATUM BLVD. SUITE 400
PHOENIX, AZ 85050
PHONE: (480) 414-1829

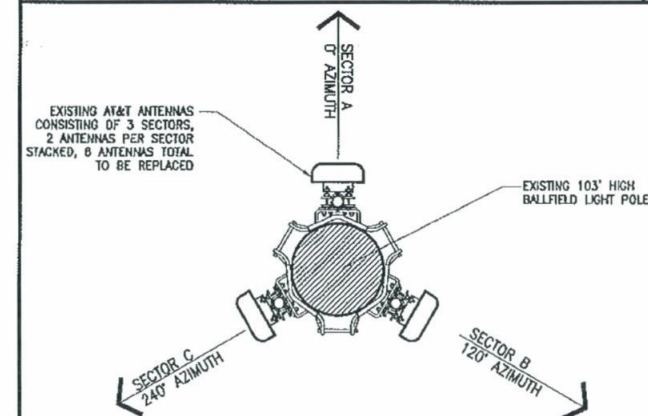
PHONE: (480) 414-1829

2	04/11/11	ISSUED FOR LANDLORD COMMENTS	JC	AM	
1	03/03/11	FINAL ZDS	BR	AM	
0	08/31/10	ISSUED FOR FINAL ZDS	JC	AM	
A	08/17/10	ISSUED FOR REVIEW	JC	AM	
NO.	DATE	REVISIONS		BY	CHK APP
SCALE AS SHOWN		DESIGNED:	DRAWN:		

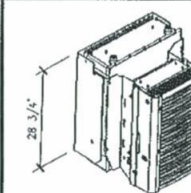
PROPOSED ANTENNA LAYOUT



EXISTING ANTENNA LAYOUT



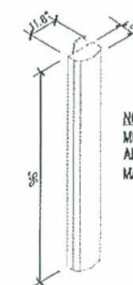
ANTENNA DETAIL



REMOTE RADIO HEAD (RRH)

MANUFACTURER:
ALCATEL-LUCENT

PART#: 9442



NOTE:
MOUNTING EQUIPMENT SUPPLIED W/
ANTENNA. INSTALL PER
MANUFACTURER'S SPECIFICATIONS.

ANTENNA

MANUFACTURER:
KATHREIN

PART#: 800-10766

WEIGHT: 61.7 LBS (W/ BRACKETS)

A

7

10

1