



BOARD OF SUPERVISORS AGENDA ITEM REPORT
CONTRACTS / AWARDS / GRANTS

Award Contract Grant

Requested Board Meeting Date: September 3, 2019

* = *Mandatory, information must be provided*

or Procurement Director Award

***Contractor/Vendor Name/Grantor (DBA):**

New Cingular Wireless PCS, LLC, a Delaware limited liability company (by AT&T Mobility Corporation, its Manager) ("Licensee").

***Project Title/Description:**

Non-Exclusive Right-of-Way Use License / Seventh Amendment

***Purpose:**

The purpose of this Amendment is to add a new co-location site at approximately the southeast intersection of Mile Wide and Sandario Roads, 2232 N. Sandario Road (Licensee Site No. AZL04873)
Lic-0285

***Procurement Method:**

Exempt per Pima County Code Section 11.04.020

***Program Goals/Predicted Outcomes:**

To allow an additional site for AT&T's use of Pima County Right-of-Way, to provide telecommunications services to Pima County residents for revenue.

***Public Benefit:**

Licensee will continue to provide high quality cellular service to its customers in Pima County at a new site.

***Metrics Available to Measure Performance:**

Licensee will pay an annual fee for the term of 9/24/2019-9/23/2020 in the amount of \$7,657.69, and have already paid their application fee of \$2,600.00 for a total of \$10,257.69 for the first year.

***Retroactive:**

No.

To: COD - 9-20-19
Ver. 5
Pgs. - 14
(2)

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____

Effective Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____

Expense Amount: \$* _____ Revenue Amount: \$ _____

*Funding Source(s) required:

Funding from General Fund? Yes No If Yes \$ _____ % _____

Contract is fully or partially funded with Federal Funds? Yes No

If Yes, is the Contract to a vendor or subrecipient? _____

Were insurance or indemnity clauses modified? Yes No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number? Yes No

If Yes, attach the required form per Administrative Procedure 22-73.

Amendment / Revised Award Information

Document Type: CTN Department Code: IT Contract Number (i.e., 15-123): 15*003

Amendment No.: Seven (7) AMS Version No.: Four (5)

Effective Date: 9/3/2019 New Termination Date: _____

Expense or Revenue Increase Decrease Amount This Amendment: \$ 10,257.69

Is there revenue included? Yes No If Yes \$ _____

*Funding Source(s) required:

Funding from General Fund? Yes No If Yes \$ _____ % _____

Grant/Amendment Information (for grants acceptance and awards) Award Amendment

Document Type: _____ Department Code: _____ Grant Number (i.e., 15-123): _____

Effective Date: _____ Termination Date: _____ Amendment Number: _____

Match Amount: \$ _____ Revenue Amount: \$ _____

*All Funding Source(s) required:

*Match funding from General Fund? Yes No If Yes \$ _____ % _____

*Match funding from other sources? Yes No If Yes \$ _____ % _____

*Funding Source: _____

*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)? _____

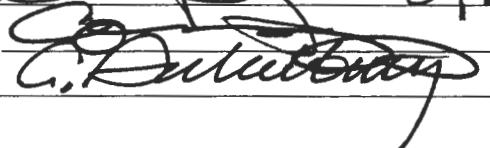
Contact: Aaron Mergenthal

Department: Real Property Services

Telephone: 520-724-6854

Department Director Signature/Date:  8/16/19

Deputy County Administrator Signature/Date:  8/16/19

County Administrator Signature/Date:  8/17/19
(Required for Board Agenda/Addendum Items)



PIMA COUNTY

SEVENTH AMENDMENT TO RESTATED AND AMENDED NONEXCLUSIVE RIGHT-OF-WAY USE LICENSE FOR WIRELESS COMMUNICATIONS FACILITIES

CONTRACT No. CTN-IT-1500000000000000000003, Amendment #7

(formerly #12-14-A-142715-0900/CTN-IT-CMS142715, #12-14-N-142671-0110/CTN-IT-CMS142671,
and 12-14-N-142672-0110/CTN-IT-CMS142672)

THIS SEVENTH AMENDMENT TO RESTATED AND AMENDED
NONEXCLUSIVE RIGHT-OF-WAY USE LICENSE is entered into by and between Pima
County ("Licensor"), a political subdivision of the State of Arizona, and New Cingular Wireless
PCS, LLC, ("Licensee"), a Delaware limited liability company (by AT&T Mobility Corporation,
its Manager), and shall be effective on the date it is executed by the Pima County Board of
Supervisors.

RECITALS

- A. Licensor and AT&T Wireless, PCS, Inc., a Delaware limited liability company, entered into a Non-Exclusive Right-of-Way Use License dated September 24, 2000, with expiration date of September 23, 2005, and recorded on September 27, 2000, in Docket 11392, Page 279, in the office of the Pima County, Arizona, Recorder. The License was assigned Contract No. 12-14-A-142715-0900 and subsequently reassigned Contract #CTN-IT-CMS142715.
- B. New Cingular Wireless PCS, LLC, a Delaware limited liability company (by AT&T Mobility Corporation, its Manager), subsequently succeeded to the interests of AT&T Wireless, PCS, Inc. Licensee and Licensor entered into a License Amendment effective September 24, 2005, which extended the term of the Right-of-Way Use License through September 23, 2010. The License was subsequently extended

through September 23, 2015 and amended to add location at McDonald Park (Site PHNXAZB025, 4100 N. Harrison Road).

- C. Licensor and Licensee entered into a Non-Exclusive Right-of-Way Use License dated January 19, 2010, with expiration date of January 18, 2015, and recorded on January 26, 2010, in Docket 13732, Page 643, in the office of the Pima County, Arizona, Recorder. The License was initially assigned Contract No. 12-14-N-142671-0110 and subsequently reassigned Contract #CTN-IT-CMS142671 for co-location on a TEP pole at 3220 West Ina Road.
- D. Licensor and Licensee entered into a Non-Exclusive Right-of-Way Use License dated January 19, 2010, with expiration date of January 18, 2015, and recorded on January 26, 2010, in Docket 13732, Page 625, in the office of the Pima County, Arizona, Recorder. The License was initially assigned Contract No. 12-14-N-142672-0110 and subsequently reassigned Contract #CTN-IT-CMS142672 for co-location on a TEP pole at 2902 W. Paseo de las Aves.
- E. Licensor and Licensee entered into a Restated and Amended Nonexclusive Right of Way Use License, pursuant to which the parties consolidated 4 existing Licenses, added a new co-location site, modified the fee schedule, and extended the term to September 23, 2020. A new License number of CTN-IT-15000000000000000003 was assigned to the License.
- F. Licensor and Licensee entered into a Fifth Amendment to Restated and Amended Nonexclusive Right of Way Use License on November 6, 2018, pursuant to which Licensee added a new co-location site at the Southeast corner of West Valencia Road and Wade Road (Licensee Site No. AZL01287).
- G. Licensor and Licensee entered into a Sixth Amendment to Restated and Amended Nonexclusive Right of Way Use License on April 2, 2019, pursuant to which Licensee was permitted to replace and modify certain of its existing communications equipment at its McDonald Park Site, located at 4100 N. Harrison Road. (Licensee Site No. PHNXAZB025).
- H. With this Seventh Amendment to Restated and Amended Nonexclusive Right of Way Use License, Licensee desires to add a new co-location site at approximately the southeast intersection of Mile Wide and Sandario Roads, 2232 N. Sandario Road (Licensee Site No. AZL04873), and County is amenable to same, subject to the approval of the Board of Supervisors herein.

AGREEMENT

1. A new co-location site at approximately the southeast corner of West Mile Wide Road and Sandario Road (Licensee Site No. AZL04873) shall be added under the auspices of this Seventh Amendment to Restated and Amended Nonexclusive Right of Way Use

License, and may be constructed by Licensee pursuant to the County-reviewed and approved engineered site plans, a copy of which is attached hereto as Exhibit B.

2. Annual Fee. Licensee shall pay annual fees to the Lessor as set forth in Exhibit A attached hereto. Lessor hereby acknowledges that Licensee's Application Fee in the amount of \$2,600 has been paid to Lessor.
3. Term. This Seventh Amendment to Restated and Amended Right-of-Way Use License shall remain in effect through September 23, 2020. This License is renewable upon mutual agreement of both Parties.
4. Other Provisions. All other terms and provisions of the Restated and Amended Right-of-Way Use License and all prior amendments thereto not specifically changed by this Amendment shall remain in effect and are binding upon the parties.

IN WITNESS WHEREOF, the parties have affixed their signatures to this Seventh Amendment to Restated and Amended Nonexclusive Right-of-Way Use License on the dates written below.

PIMA COUNTY

Chairman, Board of Supervisors

Date

LICENSEE

New Cingular Wireless PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: RH
Name: Robert Hofrichter
Its: Area Manager
Date: 7/8/19

ATTEST:

Clerk of the Board of Supervisors

Date

APPROVED AS TO CONTENT:



Dan Hunt, Chief Information Officer
Pima County Information Technology Dept.

3-7-2019

Date

APPROVED AS TO FORM:



Christopher Straub, Deputy County Attorney

3-7-2019

Date

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EXHIBIT A
LICENSE FEE SCHEDULE

PAYMENTS DUE

Term 09/24/2014-09/23/2015

Site (1)N117924, 3851 W. Tangerine Road	\$ 14,586.08
Site PHNXAZB025, 4100 N. Harrison (McDonald Park)	\$ 7,293.03
Site B049-HH, 6515 W. Ina Rd. (Paniolo Ranch)	\$ 6,000.00
Total Amount due September 24, 2014	\$ 27,879.11

Term 01/19/2015-09/23/2015 (Pro-rated)

Site B042-D, 3220 West Ina Road	\$ 4,200.00
Site PHNXAZT904-D, 2902 W. Paseo de las Aves	\$ 4,200.00
Total Amount due January 19, 2015	\$ 8,400.00

Term 09/24/2015-09/23/2016

Renewal Application Fee	\$ 1,700.00
Site (1)N117924, 3851 W. Tangerine Road	\$ 15,315.38
Site PHNXAZB025, 4100 N. Harrison (McDonald Park)	\$ 7,657.69
Site B042-D, 3220 West Ina Road	\$ 6,300.00
Site PHNXAZT904-D, 2902 W. Paseo de las Aves	\$ 6,300.00
Site B049-HH, 6515 W. Ina Rd. (Paniolo Ranch)	\$ 6,300.00
Total Amount due September 24, 2015	\$ 43,573.07

Term 09/24/2016-09/23/2017

Site (1)N117924, 3851 W. Tangerine Road	\$ 16,081.15
Site PHNXAZB025, 4100 N. Harrison (McDonald Park)	\$ 8,040.57
Site B042-D, 3220 West Ina Road	\$ 6,615.00
Site PHNXAZT904-D, 2902 W. Paseo de las Aves	\$ 6,615.00
Site B049-HH, 6515 W. Ina Rd. (Paniolo Ranch)	\$ 6,615.00
Total Amount due September 24, 2016	\$ 43,966.72

LICENSE FEE SCHEDULE (Continued)

PAYMENTS DUE

Term 09/24/2017-09/23/2018

Site (1)N117924, 3851 W. Tangerine Road	\$ 16,885.21
Site PHNXAZB025, 4100 N. Harrison (McDonald Park)	\$ 8,442.60
Site B042-D, 3220 West Ina Road	\$ 6,945.75
Site PHNXAZT904-D, 2902 W. Paseo de las Aves	\$ 6,945.75
Site B049-HH, 6515 W. Ina Rd. (Paniolo Ranch)	<u>\$ 6,945.75</u>
Total Amount due September 24, 2017	\$ 46,165.06

Term 09/24/2018-09/23/2019

Site (1)N117924, 3851 W. Tangerine Road	\$ 17,729.47
Site PHNXAZB025, 4100 N. Harrison (McDonald Park)	\$ 8,864.73
Site B042-D, 3220 West Ina Road	\$ 7,293.04
Site PHNXAZT904-D, 2902 W. Paseo de las Aves	\$ 7,293.04
Site B049-HH, 6515 W. Ina Rd. (Paniolo Ranch)	\$ 7,293.04
Site AZL01287, SE Crnr Wade & Valencia Rds	\$ 7,293.04
Plus License Application Fee (Paid)	<u>\$ 2,600.00</u>
Total Amount due September 24, 2018	\$ 58,366.36

Term 09/24/2019-09/23/2020

Site (1)N117924, 3851 W. Tangerine Road	\$ 18,615.94
Site PHNXAZB025, 4100 N. Harrison (McDonald Park)	\$ 9,307.97
Site B042-D, 3220 West Ina Road	\$ 7,657.69
Site PHNXAZT904-D, 2902 W. Paseo de las Aves	\$ 7,657.69
Site B049-HH, 6515 W. Ina Rd. (Paniolo Ranch)	\$ 7,657.69
Site AZL01287, SE Crnr Wade & Valencia Rds	\$ 7,657.69
Site AZL04873, SE Crnr Sandario & Mile Wide Rds	\$ 7,657.69
Plus License Application Fee (Paid)	<u>\$ 2,600.00</u>
Total Amount Due September 24, 2019	\$ 68,812.36

EXHIBIT B

**COUNTY REVIEWED AND APPROVED
ENGINEERED SITE PLANS**

CONSULTANT TEAM CLIENT REPRESENTATIVE BECHTEL INFRASTRUCTURE & POWER CORPORATION 2601 S. 37TH STREET, SUITE 200 PHOENIX, AZ 85201 CONTACT: MIKE STOKO PHONE: (623) 282-3015 PROJECT OWNER AT&T MOBILITY 1335 W. UNIVERSITY DR. MESA, AZ 85201 CONTACT: ROBERT HOFTRICHTER PHONE: (480) 444-4681 EMAIL: RH1319@ATT.COM PROPERTY OWNER PIMA COUNTY REAL PROPERTY SERVICES 201 N. STONE AVENUE, 6TH FLOOR TUCSON, AZ 85701-3015 CONTACT: MIKE STOKO PHONE: 520-724-6667 EMAIL: mike.stoko@pima.gov POLE OWNER TRICO ELECTRIC COOPERATIVE 8800 W. TANGERINE ROAD MARANA, ARIZONA 85744 CONTACT: JUAN GONZALES PHONE: (520) 744-2944, EXT 1350 EMAIL: fgonzales@trico.coop A&E ABN ENGINEERING 1337 E. DESERT FLOWER LANE PHOENIX, AZ 85048 CONTACT: S. M. SWANE, P.E. PHONE: (480) 213-8524 E-MAIL: SWANE@ABNENG.COM	
GENERAL NOTES <p>CONTRACTOR & CREWS SHALL ADOBE BY AT&T CONSTRUCTION STANDARDS/REQUIREMENTS AS DESCRIBED IN THE AT&T SAFETY HANDBOOK.</p> <p>OSHA REGULATIONS/STANDARDS SHALL BE REVIEWED & FOLLOWED BY ALL EQUIPMENT INSTALLERS AND TOWER/ROOF TOP CONTRACTORS/SUBCONTRACTORS DURING CONSTRUCTION.</p> <p>THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULT, DEFECTS, DAMAGE, AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR DEFECTIVE WORK, FOR ONE (1) YEAR FROM THE DATE OF COMPLETION OF THE WORK UNDER THE CONTRACT, UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR (EXCEPTION: THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, COSTS TO BE PAID BY THE GENERAL CONTRACTOR). THE CONTRACTOR SHALL MAINTAIN INSURANCE FOR A PERIOD OF THREE (3) YEARS (STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR).</p> <p>THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE SAFETY OF THE OWNER'S WORKMEN, AND ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.</p> <p>THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR ALL NECESSARY PERMITS AND/OR FEES WITH RESPECT TO THE WORK TO BE PERFORMED ON THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE MADE BY THE OWNER AND HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN PERMIT AND MAKE PAYMENT FOR SAME DUEMENT.</p> <p>AT&T TO VERIFY ALL MEASUREMENTS OF EXISTING CONDUITS FOR FIBER RUM AND ANY POWER LINES</p> <p>DO NOT SCALE DRAWINGS</p>	
SITE INFORMATION <p>OWNER/LANDLORD: PIMA COUNTY REAL PROPERTY SERVICES 201 N. STONE AVENUE, 6TH FLOOR TUCSON, AZ 85701-3015 CONTACT: MIKE STOKO PHONE: 520-724-6667 EMAIL: mike.stoko@pima.gov</p> <p>APPLICANT: AT&T MOBILITY 1335 W. UNIVERSITY DR. MESA, AZ 85201 CONTACT: ROBERT HOFTRICHTER PHONE: (480) 444-4681 EMAIL: RH1319@ATT.COM</p> <p>TOWER TYPE: NEW UTILITY MONOPOLE</p> <p>EXISTING SITE TYPE: WIRELESS COMMUNICATIONS FACILITY</p> <p>APN: 211-05-001P</p> <p>LATITUDE: 32° 14' 47.0818" N 32.235307</p> <p>LONGITUDE: 111° 13' 04.3214" W -111.209907</p> <p>EXISTING ELEVATION: 2,332.3'</p> <p>USE CODE: TBD</p> <p>CONSTRUCTION TYPE: V-B</p> <p>PROPOSED LEASE AREA: 375 SQ. FT</p> <p>PROPOSED OCCUPANCY: UNMANNED TELECOMMUNICATIONS FACILITY</p> <p>EXISTING OCCUPANCY: UNMANNED TELECOMMUNICATIONS FACILITY</p> <p>JURISDICTION: PIMA COUNTY</p> <p>ELECTRICAL PROVIDER: TRICO</p>	



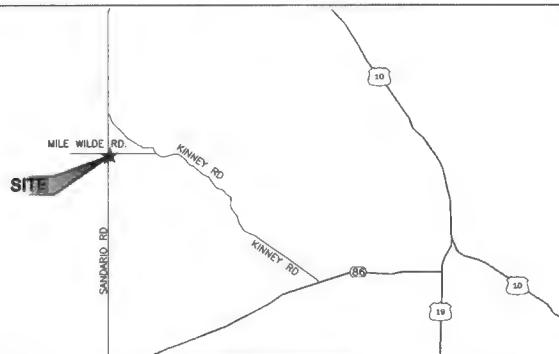
PROJECT: NEW SITE BUILD
SITE NO.: AZL04873
SITE NAME: TRICO SANDARIO ROAD
FA CODE: 14623933
USID: 219833
2232 N SANDARIO RD
TUCSON, AZ 85743

DRIVING DIRECTIONS

DIRECTIONS:

DEPARTING THE AT&T OFFICE AT 1335 W. UNIVERSITY IN MESA: TAKE US-60 W TOWARD PHOENIX. USE THE LEFT LANE TO MERGE I-10 E TOWARD TUCSON. TAKE EXIT 236 TOWARD MARANA. TURN RIGHT ONTO N. SANDARIO RD. TURN RIGHT ONTO W. MARANA RD. TURN LEFT ONTO N SANDERS RD. TURN LEFT ONTO W. AVRA VALLEY RD. TURN RIGHT ONTO N SANDARIO RD. SITE WILL BE ON THE LEFT.

VICINITY MAP



APPLICABLE CODES

ARIZONA STATE CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH CURRENT EDITION OF THE APPROPRIATE STANDARDS AS ADOPTED BY THE LOCAL GOVERNING AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2012 IBC STANDARDS AND AMENDMENTS
- 2012 IBC STANDARDS AND AMENDMENTS
- 2012 IFC STANDARDS AND AMENDMENTS
- 2012 IPC STANDARDS AND AMENDMENTS
- 2011 NEC STANDARDS AND AMENDMENTS

ACCESSIBILITY REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2012 IBC BUILDING CODE.

RFDS DATA SUMMARY

DESIGN PACKAGE BASED ON RF DATA SHEET
 RFDS NAME: AZL04873-1C2G3C4C_2019-New-Site_LTE_oc7858_3601AQH7QP
 I4623933_219833_10-08-2018_Ae-Built-in-Progress_v1.00

VERSION: 1.00
 RFDS DATE: 10/08/2018 UPDATED BY ACT508 ON 10/08/2018 05:51:17 PM

SUMMARY OF EQUIPMENT:

NUMBER OF SECTORS:	3
NUMBER OF ANTENNAS:	3
NUMBER OF RISERS:	9
NUMBER OF COAX CABLES:	18
NUMBER OF FIBER OPTIC CABLES (JUMPER):	0
NUMBER OF COAX CABLES (JUMPER):	0
NUMBER OF FIBER/DC SQUIDS:	0
NUMBER OF FIBER TRUNK CABLES:	0
NUMBER OF DC TRUNK CABLES:	0
NUMBER OF TRIPLEXER:	0

APPROVALS

AT&T (RF): _____ DATE: _____
 AT&T (CONST.): _____ DATE: _____
 AT&T (S.A.): _____ DATE: _____
 LANDLORD: _____ DATE: _____
 LANDLORD: _____ DATE: _____

PROJECT DESCRIPTION

GROUND SCOPE
 INSTALL NEW EQUIPMENT UL LISTED METAL WALK-IN CABINET & BACK-UP GENERATOR IN A NEW CMU WALLED COMPOUND TO INCLUDE THE FOLLOWING:

- (1) NEW METAL W/CABINET W/PRE-INSTALLED VERTIN POWER PLANT W/ (12) ENERSYS POWER SAFE BATTERIES, PRE-INSTALLED (2) COMMUNICATION RACKS, ON GRAVITY PLATFORM
- (1) NEW DC POLAR DC GENERATOR, W/BUILT-IN UL LISTED 54 GALLON DIESEL ENGINE SUPPLIED BY GRAVITY PLATFORM
- (1) NEW GPS ANTENNA MOUNTED ON SIDE OF CABINET
- NEW U.G. CONDUITS FOR ELECTRICAL SERVICE & (TELCO W/INNERTUD)
- INSTALL (3) B12/B14 Alrascale Dual-band RRH 4T4R 320W AHLBA, (1) PER SECTOR
- INSTALL (3) NEW B25/B26 Alrascale Dual RRH 4T4R 320W AHFB, (1) PER SECTOR
- INSTALL (6) NEW TWIN TRIPLEXERS
- INSTALL (18) NEW 7/8" COAX CABLES JUMPERS
- INSTALL (1) NEW 18 PAIR FIBER

TOWER SCOPE
 INSTALL NEW 83'-0" TALL NEW UTILITY MONOPOLE & ITS FOUNDATION DESIGNED BY TRICO
 INSTALL THE FOLLOWING NEW ANTENNA & EQUIPMENT ON A NEW UTILITY POLE:

- (1) NEW MONOPOLE DOWN SUPPORT ARM KIT
- (3) NEW ACE X-MOUNT 454AB-AV ANTENNA, (1) PER SECTOR
- (9) NEW 7/8" THIN (3) PER SECTOR
- (1) NEW RET CABLE
- (12) NEW 7/8" COAX CABLES

ELECTRICAL SCOPE (SHOW BREAKER LIST)

- 50A BREAKER - B12/B14 Alrascale Dual-band RRH 4T4R 320W (AHLBA) 3 TOTAL
- 50A BREAKER - Alrascale Dual RRH 4T4R B25/B26 320W AHFB, (3) TOTAL
- 20A BREAKER - LTE F5M4, (1) TOTAL
- 10A BREAKER - SIAD, (1) TOTAL

THESE PLANS HAVE BEEN DEVELOPED FOR THE MODIFICATION TO AN EXISTING TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY AT&T IN ACCORDANCE WITH THE SCOPE OF WORK PROVIDED BY AT&T.

SHEET INDEX

SHT.	DESCRIPTION
T-1	TITLE SHEET
SS-1	OVERALL SITE SURVEY
A-1	OVERALL SITE PLAN
A-2	NEW ENLARGED SITE PLAN
A-3	ANTENNA LAYOUT
A-4	SITE ELEVATION
A-5	SITE ELEVATION



1355 W. UNIVERSITY DRIVE
 MESA, AZ 85201-5419

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY & CONFIDENTIAL TO AT&T WIRELESS
 ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES
 TO AT&T WIRELESS IS STRICTLY PROHIBITED

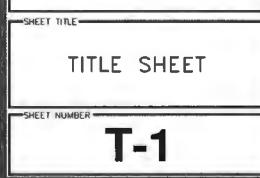
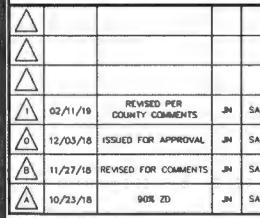


BECHTEL INFRASTRUCTURE
 AND POWER CORPORATION
 2601 S. 37TH STREET, SUITE 200
 PHOENIX, AZ 85034
 PHONE: (623) 282-3084

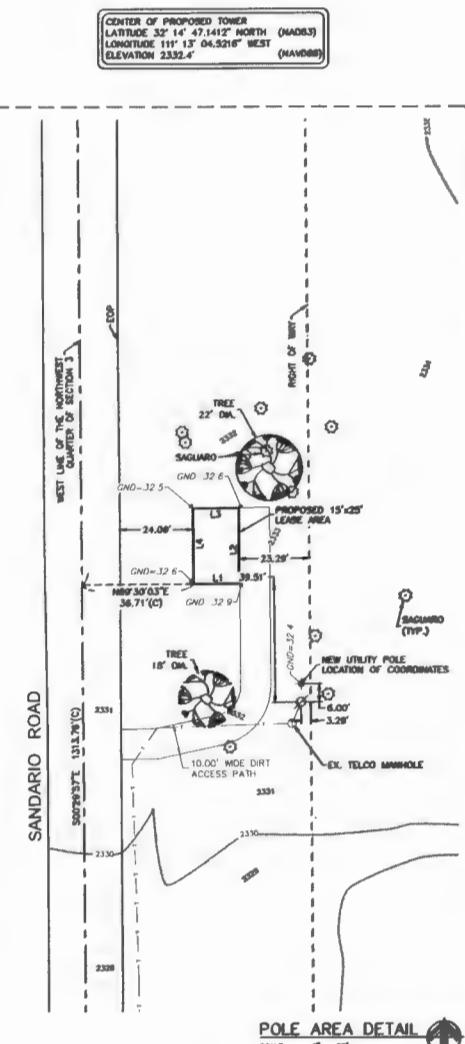
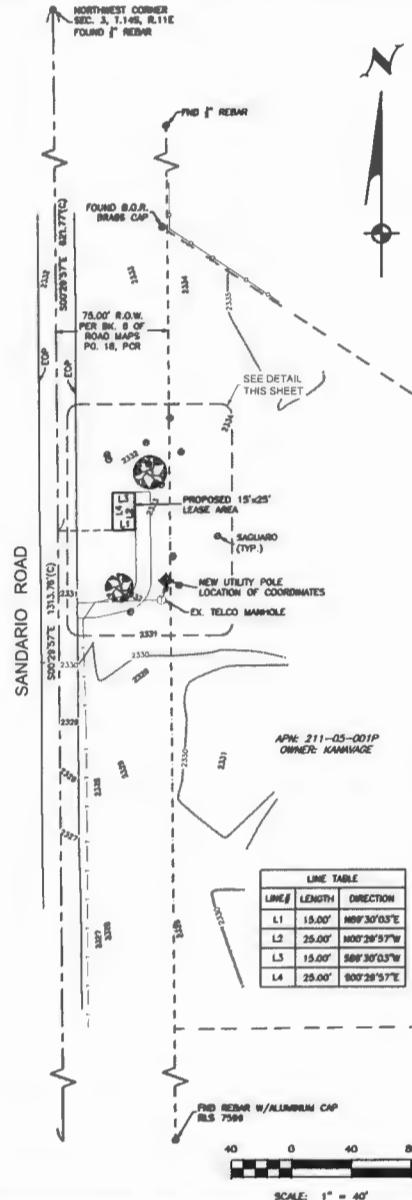


PROJECT: NEW BUILD
SITE NO.: AZL04873
SITE NAME: TRICO SANDARIO
ROAD
FA CODE: 14623933
USID: 219833

2232 N SANDARIO RD
 TUCSON, AZ 85743
 PIMA COUNTY



T-1



SURVEY DATE
09/24/14

BARS OF BEARINGS

BEARINGS SHOWN REFERENCE NAD83 GRID NORTH, ARIZONA STATE PLANE
CENTRAL ZONE, DETERMINED BY GPS OBSERVATIONS.

UTILITY NOTES

1. UNDERGROUND UTILITIES AS SHOWN ARE BASED ON BILLETAGE AND PRIVATE LOCATOR MARKS PERFORMED BY OWNERS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES SHOWN.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT BLUE STAKE AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

SURVEYOR'S NOTES

1. A TITLE REPORT WAS NOT PROVIDED AT THE TIME THIS SURVEY WAS PERFORMED.

REFERENCE DOCUMENTS

BOOK 54 OF SURVEYS PAGE 18, SEQ. NO.: 20081300478

BOOK 6 OF ROAD MAPS, PAGE 18

BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHORECTIFIED IMAGE. APPLICATION OF "2000 1287" MODELED SEPARATORS TO ELLIPTICAL HEIGHTS DETERMINED BY RTK GPS OBSERVATIONS. ALL ELEVATIONS HEREON ARE REFERENCED TO NAD83 Datum.

FLOOD ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X".
ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, MAP ID #04019C2250L, EFFECTIVE DATE: 08/18/10.

LESSOR'S LEGAL DESCRIPTION

A PORTION OF THE PIMA COUNTY RIGHT OF WAY ADJACENT TO PIMA COUNTY ASSESSOR PARCEL NUMBER 211-05-001P MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A PART OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 14 SOUTH, RANGE 11 EAST OF THE GILA AND SALT RIVER, AND NEARLY PIMA COUNTY, ARIZONA, COMMENCING AT A FOUND 1" REBAR AT THE NORTHWEST CORNER OF SECTION 3; THENCE SOUTH 02°28'57" EAST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 421.77 FEET;

THENCE NORTH 08°29'03" WEST, 15.00 FEET;

THENCE SOUTH 08°30'03" WEST, 15.00 FEET;

THENCE SOUTH 02°28'57" EAST, 23.00 FEET TO THE POINT OF BEGINNING.

THENCE CONTINUING NORTH 08°30'03" EAST, 15.00 FEET;

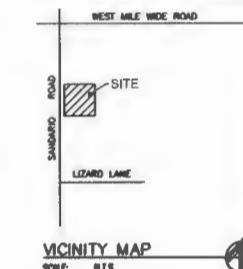
THENCE NORTH 02°28'57" WEST, 23.00 FEET;

THENCE SOUTH 08°30'03" WEST, 15.00 FEET;

THENCE SOUTH 02°28'57" EAST, 23.00 FEET TO THE POINT OF BEGINNING.

LEGEND

APN	ASSESSOR'S PARCEL NUMBER
FDN	FOUND
(C)	CALCULATED
(R)	RECORD
(M)	MEASURED
R.O.W.	RIGHT OF WAY
R.L.S.	REGISTERED LAND SURVEYOR
M.R.C.	MARICOPA COUNTY RECORDER
P.U.E.	PUBLIC UTILITY EASEMENT
SQ. FT.	SQUARE FEET
BLK. PG.	BLOCK AND PAGE
P.C.R.	PIMA COUNTY RECORDER
●	FOUND MONUMENT AS NOTED
○	UTILITY POLE
□	TELEPHONE MANHOLE
—	LEASE AREA LINE
—	CENTER LINE
—	BRONT OF WAY LINE
—	UNDERGROUND TELEPHONE LINE
EOP	EDGE OF PAVEMENT



AT&T
1355 W. UNIVERSITY DRIVE
MESA, AZ 85201-5419

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TO AT&T WIRELESS IS STRICTLY PROHIBITED

BECHTEL INFRASTRUCTURE
AND POWER CORPORATION
6325 N SHERMAN STREET
TOLLESON, AZ 85353
PHONE: (602) 382-3024

ADN
ENGINEERING
1337 E. DESERT FLOWER LANE
PHOENIX, AZ 85048
PHONE: (480) 213-8524

PROJECT: COLOCATION
SITE NO.: AZL04873
SITE NAME: TRICO SANDARIO
ROAD
FA CODE: 14623933
USID: 219833

2232 N. SANDARIO RD
TUCSON, AZ 85743
PIMA COUNTY

△			
△			
△			
△			
△	2/14/18	REVISED PER COMMENTS	BLN SAM
○	1/16/18	REVISED POLE LOCATION	BLN SAM
□	11/30/18	REVISED PER COMMENTS	BLN SAM
▲	10/04/18	ISSUED FOR REVIEW	BLN SAM



SITE SURVEY

SS-1

OVERALL SITE PLAN KEY NOTES: #

- (E) EDGE OF PAVED DRIVEWAY
- (E) OVERHEAD POWER LINES
- (E) U.G. FIBER LINE PER BLUE STAKE MARKING
- (E) EX FIBER MANHOLE
- (E) UTILITY POLE TO BE REMOVED AND REPLACED
- (E) SAGUARO CACTUS (TYP.)
- (E) DIRT ROAD TO TOP OF 10'-0" WIRE UTILITY/ACCESS ROAD
- LIN. OF EXISTING FENCING SEE LANDSCAPE NOTE #1
- LIN. OF EXISTING VEGETATION TO BE PRESERVED
- EXISTING TREE SHOULD BE PRUNED BY CERTIFIED ARBORIST PRIOR TO CONSTRUCTION. REFER TO LANDSCAPE NOTE #2.

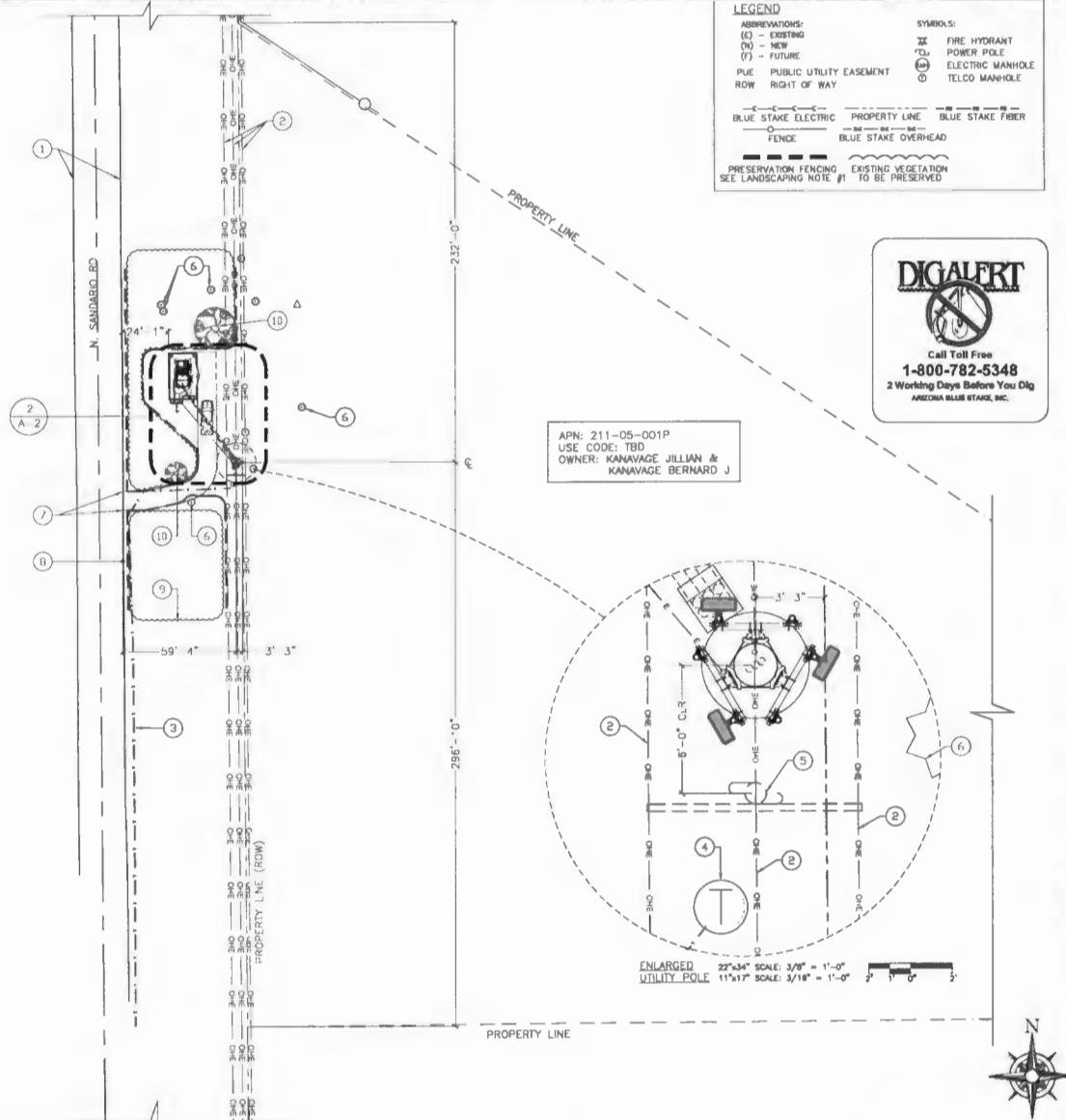
LANDSCAPE NOTES:

- PRIOR TO INITIATION OF WORK, THE CONTRACTOR SHALL INSPECT THE PROJECT LIMITS, IN ORDER TO CONFIRM AREAS AND VEGETATION TO BE LEFT UNDISTURBED OR TRANSPLANTED. FENCING SHALL BE INSTALLED AT THE DRIP LINE OF EACH TREE OR GROUP OF TREES OR OTHER VEGETATION TO BE PRESERVED. FENCING SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION OPERATIONS. NO CONSTRUCTION MATERIAL, EQUIPMENT OR VEHICLES SHALL BE ALLOWED WITHIN THE DRIP LINE (EDGE OF CANOPY) OF TREES TO BE PRESERVED DURING THE COURSE OF THE CONSTRUCTION. FENCING THAT IS DAMAGED OR DESTROYED SHALL BE REPAIRED OR RELOCATED BY THE CONTRACTOR WITHIN 2 WORKING DAYS.
- TREES AND OTHER VEGETATION WITH OVERHANGING PLANT PARTS WITHIN PRESERVATION AREAS THAT MAY BE IMPACTED BY CONSTRUCTION SHALL BE PRUNED IN ADVANCE BY A CERTIFIED ARBORIST, TO AVOID DAMAGE TO THE PLANT.
- PRESERVATION FENCING SHALL CONSIST OF HIGH VISIBILITY ORANGE, HEAVY DUTY HIGH DENSITY POLYETHYLENE (HDPE) THAT IS UV RESISTANT. THE FENCING SHALL BE FOUR FEET (4') TALL. FENCE POSTS WILL BE EITHER WOOD OR METAL AND SHALL BE SUITABLE FOR THE WORK INTENDED AND A MAX. OF 4" (16") WIDE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL VEGETATION WHICH IS TO BE PRESERVED. PROTECTION INCLUDES, BUT IS NOT LIMITED TO, DAMAGE TO MAJOR LIMBS, DESTRUCTION OF MAJOR ROOT SYSTEMS, SCRAPPING OF THE TRUNK AND DEATH. THE CONTRACTOR SHALL REPLACE ANY VEGETATION IDENTIFIED AS BEING PRESERVED-IN-PLACE THAT IS DAMAGED OR DESTROYED. REPLACEMENT VEGETATION SHALL BE OF THE SAME GENUS AND SPECIES AND SHALL BE OF A SIMILAR CALIPER AND CROWN SIZE. PIMA COUNTY SHALL APPROVE ALL REPLACEMENT PLANTS PRIOR TO INSTALLATION.
- REMOVAL OF CACTI AND NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "NATIVE PLANT LAW" OF THE ARIZONA REVISED STATUTES, CHAPTER 7 AND APPLICABLE LOCAL ORDINANCES.
- NO TRENCHING SHALL OCCUR WITHIN THE DRIP LINE OF TREES. DRIP LINE IS DEFINED AS THE OUTERMOST CIRCUMFERENCE OF A TREE CANOPY WHERE WATER Drips FROM AND ONTO THE GROUND. FACILITIES THAT CANNOT AVOID THE DRIP LINE OF TREES SHALL BE FORCED UNDERGROUND.
- ALL AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH SAME GROUND TREATMENT AS IS PRIOR TO DISTURBANCE. IF NO VEGETATION OR GROUND TREATMENT EXISTED PRIOR TO DISTURBANCE, AREA SHALL BE STABILIZED WITH 1/4" DECOMPOSED GRANITE POST CONSTRUCTION. COLOR OF ROCK SHALL MATCH ADJACENT GROUND. SAMPLES SHALL BE SUBMITTED TO PIMA COUNTY FOR APPROVAL.
- PRIOR TO CLEARING OR ANY OTHER GROUND DISTURBANCE OCCURRING IN THE PROJECT WORK AREA, THE CONTRACTOR SHALL REMOVE FOUNTAIN GRASS, BUFFALO GRASS AND OTHER INVASIVE SPECIES. REMOVAL SHALL BE DONE ACCORDING TO BEST PRACTICES FOR CHEMICAL AND/OR MANUAL REMOVAL, DEPENDING ON TIME OF YEAR AND WHETHER THE INVASIVE SPECIES IS GREEN AND ACTIVELY GROWING. IF CHEMICAL CONTROL IS USED, PLANT MUST BE COMPLETELY DEAD BEFORE CLEARING IN THAT AREA SHALL OCCUR, TYPICALLY 10 DAYS TO 14 DAYS. ONLY MANUAL REMOVAL MAY BE USED IF PLANT IS MORE THAN 50% DORMANT (I.E. NOT GREEN). CONTACT KIM FRANKLIN CONSERVATION BIOLOGIST FOR THE ARIZONA SONORAN DESERT MUSEUM FOR THE MOST UP TO DATE PROCEDURES. PHONE: (520) 883-3000 OR KFRANKLIN@DESERTMUSEUM.ORG
- CONTRACTOR SHALL COORDINATE WITH STAR VALLEY HOA TO MAINTAIN FUNCTIONING IRRIGATION SYSTEM.

ENVIRONMENTAL NOTE:

IN THE EVENT THAT HUMAN REMAINS, INCLUDING HUMAN SKELETAL REMAINS, CREMATIONS, AND/ OR CEREMONIAL OBJECTS AND FUNERARY OBJECTS ARE FOUND DURING EXCAVATION OR CONSTRUCTION, GROUND DISTURBING ACTIVITIES MUST CEASE IN THE IMMEDIATE VICINITY OF THE DISCOVERY. STATE LAWS ARS 41-865 AND 41-864 REQUIRIES THAT THE ARIZONA STATE MUSEUM BE NOTIFIED OF THE DISCOVERY. (520) 623-4770. SOCIETAL CULTURAL GROUPS WHO CLAIM CULTURAL OR RELIGIOUS AFFINITY TO THEM CAN MAKE APPROPRIATE ARRANGEMENTS FOR THE REPATRIATION AND REBURIAL OF THE REMAINS. THE HUMAN REMAINS WILL BE REMOVED FROM THE SITE BY A PROFESSIONAL ARCHAEOLOGIST PENDING CONSULTATION AND REVIEW BY THE ARIZONA STATE MUSEUM AND THE CONCERNED CULTURAL GROUPS.

OVERALL SITE PLAN



AT&T
1355 W. UNIVERSITY DRIVE
MESA, AZ 85201-5419

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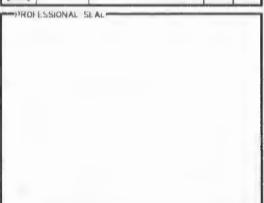
BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2601 S. 37TH STREET, SUITE 200
PHOENIX, AZ 85034
PHONE: (602) 282-3084

Abn ENGINEERING
1337 E. DESERT FLOWER LANE
PHOENIX, AZ 85048
PHONE: (480) 213-8524

PROJECT: NEW BUILD
SITE NO.: AZL04873
SITE NAME: TRICO SANDARIO
ROAD

FA CODE: 14623933
USID: 219833
2232 N SANDARIO RD
TUCSON, AZ 85743
PIMA COUNTY

△			
△			
△			
△			
△			
⚠ 02/11/18	REVISED PER COUNTY COMMENTS	JN	SAM
⚠ 12/03/18	ISSUED FOR APPROVAL	JN	SAM
⚠ 11/27/18	REVISED FOR COMMENTS	JN	SAM
⚠ 10/23/18	90% ZD	JN	SAM

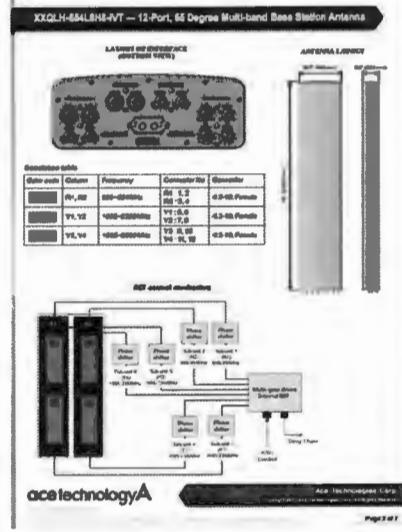
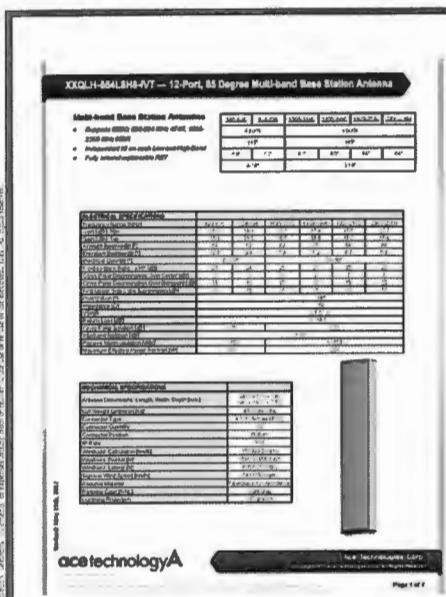


SHEET NUMBER

OVERALL SITE PLAN

SHEET NUMBER

A-1

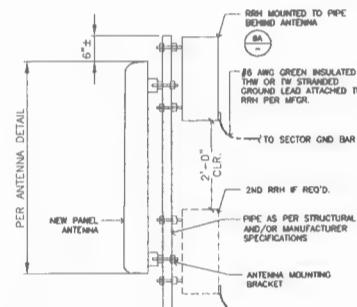
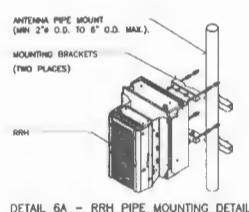


ANTENNA DATA SHEETS

SCALE: 3/4" = 1'-0" 4

SCALE: 3/4" = 1'-0" 2

ENLARGED ANTENNA LAYOUT



TYPICAL ANTENNA & RRH MOUNTING DETAIL

N.T.S.

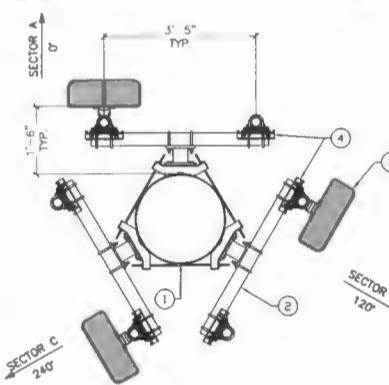
3

ANTENNA CONFIGURATION TABLE

SECTOR	POSITION (# DE N/A)	NEW ANTENNA CONFIGURATION TABLE			
		1	2	3	4
SECTOR A	RRH	<p>(N) ACE</p> <p>RRH 1-654B-B-1T</p> <p>108 ft (33m) (86.0'x16.7'x7.5')</p> <p>FEEDER LENGTH: 2100FT. 7/8" COAXIAL CABLE</p> <p>AZIMUTH: 0°</p> <p>RAD CENTER: 59°-0"</p> <p>TECHNOLOGY: LTE (1900, AMPS & 700)</p> <p>TMA: 190</p> <p>TRP/EXTR: 190</p>			
SECTOR B	RRH	<p>(N) ACE</p> <p>RRH 1-654B-B-1T</p> <p>108 ft (33m) (86.0'x16.7'x7.5')</p> <p>FEEDER LENGTH: 2100FT. 7/8" COAXIAL CABLE</p> <p>AZIMUTH: 120°</p> <p>RAD CENTER: 36°-0"</p> <p>TECHNOLOGY: LTE (1900, AMPS & 700)</p> <p>TMA: 190</p> <p>TRP/EXTR: 190</p>			
SECTOR C	RRH	<p>(N) ACE</p> <p>RRH 1-654B-B-1T</p> <p>108 ft (33m) (86.0'x16.7'x7.5')</p> <p>FEEDER LENGTH: 2100FT. 7/8" COAXIAL CABLE</p> <p>AZIMUTH: 240°</p> <p>RAD CENTER: 54°-0"</p> <p>TECHNOLOGY: LTE (1900, AMPS & 700)</p> <p>TMA: 190</p> <p>TRP/EXTR: 190</p>			

N.T.S. 1

ANTENNA CONFIGURATION TABLE



ANTENNA LAYOUT KEY NOTES:

1. (N) 63'-0" TALL NEW UTILITY POLE DESIGNED AND SUPPLIED BY TECO
2. (N) ANTENNA SUPPORT KIT BY SISTERPOD PART #RDS-23XX OR APPROVED EQUAL
3. (N) AT&T ANTENNAS, (1) PER SECTOR, TYP. OF (3) ANTENNAS
4. (N) TMAs (STACKED), (3) PER SECTOR, TYP. OF (9) TMAs

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**BECHTEL INFRASTRUCTURE
AND POWER CORPORATION**
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PHOENIX, AZ 85034
PHONE: (602) 213-3024



PROJECT: NEW BUILD
SITE NO.: AZL04873
SITE NAME: TRICO SANDARIO
ROAD
FA CODE: 14623933
USID: 219833

2232 N SANDARIO RD
TUCSON, AZ 85743
PIMA COUNTY



△			
△			
△	02/11/19	REVISED PER COUNTY COMMENTS	JH SAM
△	12/03/18	ISSUED FOR APPROVAL	JH SAM
△	11/27/18	REVISED FOR COMMENTS	JH SAM
△	10/23/18	90% ZD	JH SAM



SIGN

SHEET TITLE

ANTENNA LAYOUT

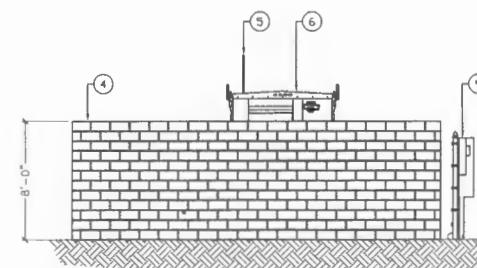
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A-3

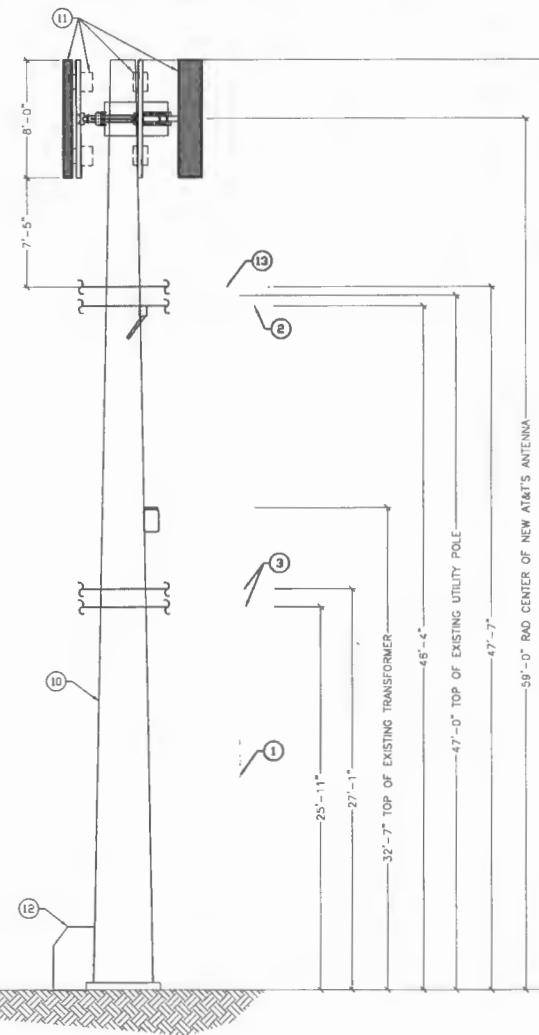
(E) AND (N) ELEVATION KEY NOTES (1) (2)

- (E) TRICO UTILITY POLE WITH (E) TRANSFORMER TO BE REMOVED AND REPLACED BY TRICO
- (E) ELECTRIC WIRES TO BE RELOCATED BY TRICO
4. (E) UTILITY WIRES TO BE RELOCATED BY TRICO
5. (N) 8'-0" TALL CMU WALL ED COMPOUND TO BE PAINTED "SHALE GREEN" TO MATCH (E) CMU WALL ED COMPOUND ABOUT A HALF MILE SOUTH AND ON SANDARIO ROAD
6. (N) GPS ANTENNA MOUNTED ON (N) CABINET
7. (N) 6'-9"x6'-9" FABRICATED METAL MIC CABINET SUPPORTED BY GRAVITY PLATFORM, FABRICATION DRAWINGS TO BE PROVIDED BY MANUFACTURER
8. (N) RRHs AND TRIPLEXERS MOUNTED ON (N) H-FRAME (BEYOND AND NOT VISIBLE IN THIS VIEW)
9. (N) DC BACK-UP GENERATOR (BEYOND AND NOT VISIBLE ON THIS VIEW)
10. (N) 200A METER, DISCONNECT & NEMA 4 J-BOX MOUNTED ON (N) H-FRAME
11. (N) 65'-0" TALL REPLACEMENT UTILITY POLE W/ TRANSFORMER
12. (N) DOCHOUSE
13. (E) STATIC LINE TO BE RELOCATED

NOTE: EXISTING VEGETATION IS NOT SHOWN FOR CLARITY.



NEW WEST ELEVATION



227" x 34" SCALE 1/4" = 1' 0"
11" x 17" SCALE 1/8" = 1' 0"

1



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Abn
ENGINEERING
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PHOENIX, AZ 85048
PHONE: (480) 213-9524

PROJECT: NEW BUILD
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SITE NAME: TRICO SANDARIO
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USID: 219833

2232 N SANDARIO RD
TUCSON, AZ 85743
PIMA COUNTY

△			
△			
△			
△	02/11/18	REVISED PER COUNCIL COMMENTS	JN SAM
△	12/03/18	ISSUED FOR APPROVAL	JN SAM
△	11/27/18	REVISED FOR COMMENTS	JN SAM
△	10/23/18	90% ZD	JN SAM



SHEET TITLE

SITE ELEVATION

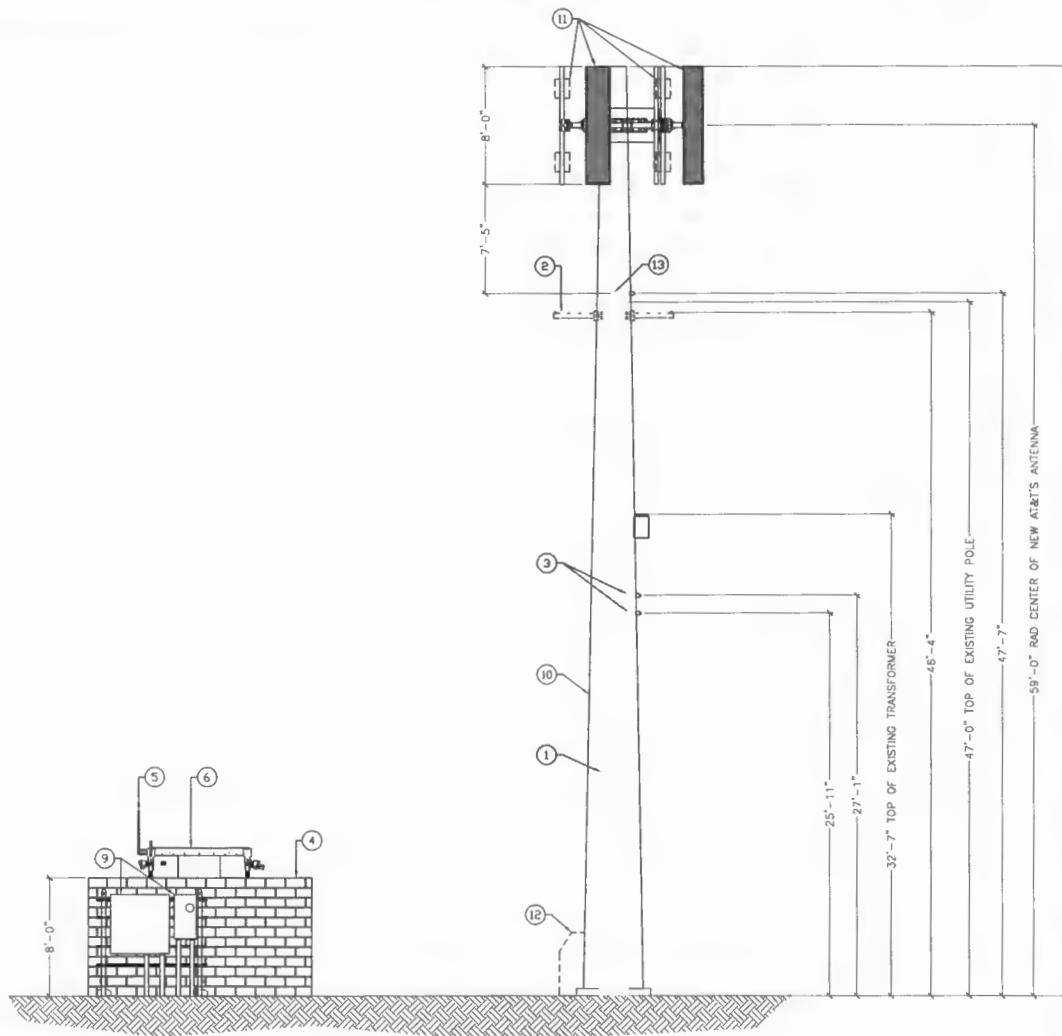
SHEET NUMBER

A-4

(E) AND (N) ELEVATION KEY NOTES: (1) (8)

- (E) TRICO UTILITY POLE WITH (E) TRANSFORMER TO BE REMOVED AND REPLACED BY TRICO
- (E) ELECTRIC WIRES TO BE RELOCATED BY TRICO
- (E) UTILITY WIRES TO BE RELOCATED BY TRICO
- (N) 8'-0" TALL CMW WALLED COMPOUND TO BE PAINTED "SHALE GREEN" TO MATCH (E) CMW WALLED COMPOUND ABOUT A HALF MILE SOUTH AND WEST OF SANDARIO ROAD
- (N) 8'-0" ANTENNA MOUNTED ON (N) CABINET
- (N) 8'-0" x 6'-0" FABRICATED METAL MC CABINET SUPPORTED BY GRAVITY PLATFORM, FABRICATION DRAWINGS TO BE PROVIDED BY MANUFACTURER
- (N) RRH4 AND TRIPLEXERS MOUNTED ON (N) H-FRAME (BEYOND AND NOT VISIBLE IN THIS VIEW)
- (N) DC BACK-UP GENERATOR (BEYOND AND NOT VISIBLE ON THIS VIEW)
- (N) 200A SERVICE METER, DISCONNECT & NEMA 4 J-BOX MOUNTED ON (N) H-FRAME
- (N) 63'-0" TALL REPLACEMENT UTILITY POLE W/ TRANSFORMER
- (N) AT&T ANTENNAS, TMAs, & ANTENNA MOUNT KIT, ANTENNAS AND TMAs TO BE PAINTED TO MATCH NEW POLE COLOR
- (N) DOGHOUSE (BEHIND)
- (E) STATIC LINE TO BE RELOCATED

NOTE: EXISTING VEGETATION IS NOT SHOWN FOR CLARITY.



NEW SOUTH ELEVATION

227x34" SCALE: 1/4" = 1' 0" 117x17" SCALE: 1/8" = 1' 0" 4' 3' 2' 1' 0" 4'



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USID: 219833

2232 N SANDARIO RD
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PIMA COUNTY

<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>	02/11/18	REVISED PER COUNTY COMMENTS	JN SAM
<input type="checkbox"/>	12/03/18	ISSUED FOR APPROVAL	JN SAM
<input type="checkbox"/>	11/27/18	REVISED FOR COMMENTS	JN SAM
<input type="checkbox"/>	10/23/18	90% 2D	JN SAM



SITE ELEVATION

SHEET NUMBER

A-5