Application

Narrative

Cash Transmittal

Development Standards

Development Application

CITY OF SCOTTSDALE

Development Application Type:
Please check the appropriate box of the Type(s) of Application(s) you are requesting

Zoning		Development Review		Signs	
☐	Text Amendment (TA)	☒	Development Review (Major) (DR)	☐	Master Sign Program (MS)
☐	Rezoning (ZN)	☐	Development Review (Minor) (SA)	☐	Community Sign District (MS)
☐	In-fill Incentive (II)	☐	Wash Modification (WM)	Other:	
☐	Conditional Use Permit (UP)	☐	Historic Property (HP)	☐	Annexation/De-annexation (AN)
Exemptions to the Zoning Ordinance		Land Divisions (PP)		☐	General Plan Amendment (GP)
☐	Hardship Exemption (HE)	☐	Subdivisions	☐	In-Lieu Parking (IP)
☐	Special Exception (SX)	☐	Condominium Conversion	☐	Abandonment (AB)
☐	Variance (BA)	☐	Perimeter Exceptions	Other Application Type Not Listed	
☐	Minor Amendment (MA)	☐	Plat Correction/Revision	☐	

Project Name: SRP 136th & Rio Verde AT&T AZL04814

Property's Address: 136th & Rio Verde

Property's Current Zoning District Designation: Right of Way / R1-70

The property owner shall designate an agent/applicant for the Development Application. This person shall be the owner's contact for the City regarding this Development Application. The agent/applicant shall be responsible for communicating all City information to the owner and the owner application team.

Owner: City of Scottsdale ROW	**Agent/Applicant:** Matthew Ludick
Company:	**Company:** Salt River Project
Address:	**Address:** PO Box 52025 Mail Station ISB98
Phone: **Fax:**	**Phone:** 602-236-2814 **Fax:**
E-mail:	**E-mail:** matthew.ludick@srpnet.com
Designer: Clear Blue Services	**Engineer:** TJ Burmesch
Company: Steven DeJonge	**Company:** Dechtel
Address: 4814 S. 35th St. Phoenix	**Address:** 8523 W. Sherman St. Tolleson
Phone: 602-426-9500 **Fax:**	**Phone:** 623-282-3150 **Fax:**
E-mail:	**E-mail:**

Please indicate in the checkbox below the requested review methodology (please see the descriptions on page 2).

- *This is not required for the following Development Application types: AN, AB, BA, II, GP, TA, PE and ZN. These applications[1] will be reviewed in a format similar to the Enhanced Application Review methodology.*

☒	**Enhanced Application Review:**	I hereby authorize the City of Scottsdale to review this application utilizing the Enhanced Application Review methodology.
☐	**Standard Application Review:**	I hereby authorize the City of Scottsdale to review this application utilizing the Standard Application Review methodology.

Owner Signature

Agent/Applicant Signature

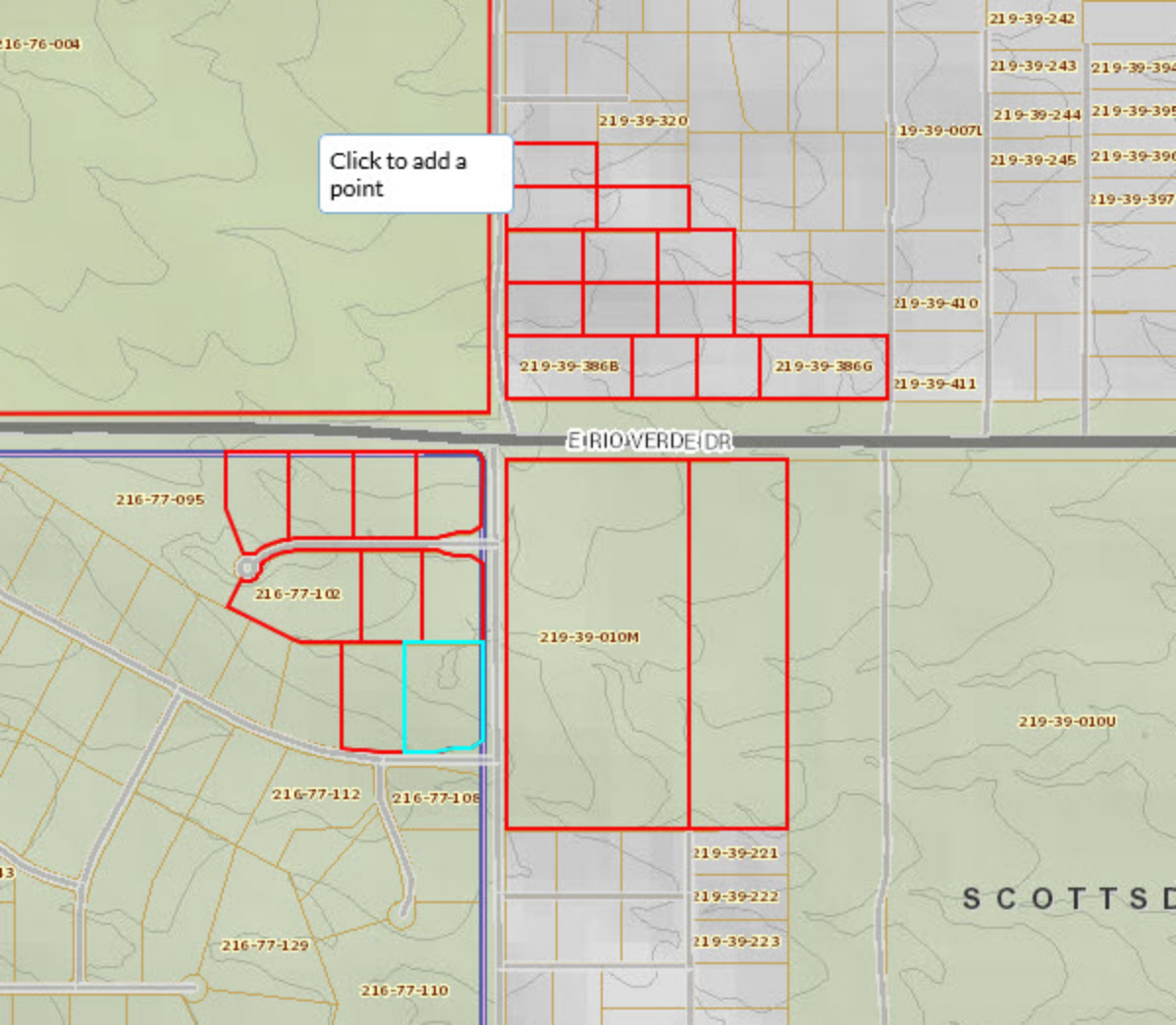
Official Use Only Submittal Date: Development Application No.:

Neighborhood Notification Report

Notification of adjacent properties was completed per the checklist requirements by City of Scottsdale. A list of adjacent property owners was generated (please see attached list). A letter was mailed to the addresses on October 2, 2018 informing recipients about the proposed project with a brief description, site plan, and contact information for additional information and/or feedback. No comments or feedback has been received as of November 1, 2018.

Please see attached items to complete this Neighborhood Notification report:

- a map showing mailing area
- list of owners for mailing
- copy of letter and site plan mailed


Click to add a point
E RIO VERDE DR
216-76-004
219-39-320
219-39-242
219-39-243
219-39-244
219-39-245
219-39-007L
219-39-410
219-39-411
219-39-386B
219-39-386G
216-77-095
216-77-102
219-39-010M
219-39-010U
216-77-112
216-77-108
219-39-221
219-39-222
219-39-223
216-77-129
216-77-110
SCOTTSD

Parcel Number	Owner	Property Address	Mailing Address	MAIL_ADDR1	MAIL_CITY	MAIL_STATE	MAIL_ZIP
216-76-004	SCOTTSDALE CITY OF	13400 E RIO VERDE DR SCOTTSDALE 85262	7447 E INDIAN SCHOOL RD STE 300 SCOTTSDALE AZ 85251	7447 E INDIAN SCHOOL RD STE 300	SCOTTSDALE	AZ	85251
216-77-096	C-A DESERT ESTATES L L C	13428 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-097	C-A DESERT ESTATES L L C	13476 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-098	C-A DESERT ESTATES L L C	13524 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-099	C-A DESERT ESTATES L L C	13572 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-100	C-A DESERT ESTATES L L C	13573 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-101	C-A DESERT ESTATES L L C	13525 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-102	C-A DESERT ESTATES L L C	13477 E WHITE FEATHER LN SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-106	C-A DESERT ESTATES L L C	13500 E RUNNING DEER TR SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
216-77-107	C-A DESERT ESTATES L L C	13548 E RUNNING DEER TR SCOTTSDALE 85262	2555 E CAMELBACK RD STE 770 PHOENIX AZ 85016	2555 E CAMELBACK RD STE 770	PHOENIX	AZ	85016
219-39-010M	WILDCAT RIDGE LLC	13701 E RIO VERDE DR SCOTTSDALE 85262	14901 N SCOTTSDALE RD STE 201 SCOTTSDALE AZ 85254	14901 N SCOTTSDALE RD STE 201	SCOTTSDALE	AZ	85254
219-39-010N	WILDCAT RIDGE LLC		14901 N SCOTTSDALE RD STE 201 SCOTTSDALE AZ 85254	14901 N SCOTTSDALE RD STE 201	SCOTTSDALE	AZ	85254
219-39-321A	BUEHLER STEVEN G/ALEJANDRA R	28409 N 136TH ST SCOTTSDALE 85262	16569 VALLEY CIR OMAHA NE 68130	16569 VALLEY CIR	OMAHA	NE	68130
219-39-321D	BYRNE FAMILY LIVING TRUST	28405 N 136TH ST SCOTTSDALE 85262	28405 N 136TH ST SCOTTSDALE AZ 85262	28405 N 136TH ST	SCOTTSDALE	AZ	85262
219-39-321E	RAINIER ROBERT/TONIA	28427 N 136TH ST SCOTTSDALE 85262	28427 N 136TH ST SCOTTSDALE AZ 85262	28427 N 136TH ST	SCOTTSDALE	AZ	85262
219-39-386A	B & L HOLDINGS LLC		1570 PRESTON RD PROSPER TX 75078	1570 PRESTON RD	PROSPER	TX	75078
219-39-386B	B & L HOLDINGS LLC	28225 N 136TH ST SCOTTSDALE 85262	1570 PRESTON RD PROSPER TX 75078	1570 PRESTON RD	PROSPER	TX	75078
219-39-386D	B & L HOLDINGS LLC		1570 PRESTON RD PROSPER TX 75078	1570 PRESTON RD	PROSPER	TX	75078
219-39-386G	PENDING			PENDING	PENDING		0
219-39-387A	COCHISE PREMIUM PROPERTIES LLC		9626 N 37TH ST PHOENIX AZ 85028	9626 N 37TH ST	PHOENIX	AZ	85028
219-39-387B	COCHISE PREMIUM PROPERTIES LLC		9626 N 37TH ST PHOENIX AZ 85028	9626 N 37TH ST	PHOENIX	AZ	85028
219-39-387C	COCHISE PREMIUM PROPERTIES LLC		9626 N 37TH ST PHOENIX AZ 85028	9626 N 37TH ST	PHOENIX	AZ	85028
219-39-387D	BARRKMAN ROBERT A/LISA K		21438 N 7TH AVE PHOENIX AZ 85027	21438 N 7TH AVE	PHOENIX	AZ	85027
219-39-388A	BAKER FAMILY TRUST	28325 N 136TH ST SCOTTSDALE 85262	28325 N 136TH ST SCOTTSDALE AZ 85262	28325 N 136TH ST	SCOTTSDALE	AZ	85262
219-39-388C	KADER IBRAHIM ABDUL		15550 N FRANK LLOYD WRIGHT BLVD STE 1097 SCOTTSDALE AZ 85260	15550 N FRANK LLOYD WRIGHT BLVD STE 1097	SCOTTSDALE	AZ	85260
219-39-388D	BEHBEHANI BABAK/HOSSAIN M/NAHID		4537 E MOLLY LN CAVE CREEK AZ 85331	4537 E MOLLY LN	CAVE CREEK	AZ	85331

Salt River Project
Telecom Wireless
Mail Station ISB198
Phoenix, AZ 85072-2025

October 2, 2018

Reference: Notice for new AT&T wireless facility on utility pole

Dear Property Owner:

This letter is to inform you that Salt River Project "SRP", will be filing an application with the City of Scottsdale (Project Number 672-PA-2018) on behalf of AT&T to allow antennas attached to a utility pole. The wood pole will be replaced with a steel pole to support the equipment. The existing wood pole is located approximately 300 feet east of 136th Street on the north side of Rio Verde Drive in the City of Scottsdale's right-of-way.

The proposal is detailed in the drawings included for reference. The new pole is weathered steel and the collocated antennas and shrouds will be brown to match. AT&T's ground equipment will be concealed behind rustic steel solid screening. All equipment including SRP's pole is in the right-of-way.

If you have any questions or concerns regarding this project, please contact me directly at (602) 236-2844 or matthew.ludick@srpnet.com. You may also contact Keith Niederer with the City of Scottsdale Planning Department at (480) 312-7000 or kniederer@scottsdaleaz.gov. Please reference Project Number 672-PA-2018.

Respectfully,

Matthew Ludick
SRP Telecom
602-236-2844

SIGNS

1. INSTALL ADDRESS PLACARD NEAR ENTRANCE GATE OF EQUIPMENT AREA (OR FACING STREET OF ASSOCIATED ADDRESS).

LIGHTING

1. ADDITIONAL LIGHTING WILL BE INSTALLED IF REQUIRED BY MUNICIPALITY FOR SECURITY PURPOSES.
2. ALL LIGHTING IS TO BE INSTALLED NO HIGHER THAN 8'-0", (UNLESS REQUIRED OTHERWISE BY INDIVIDUAL MUNICIPALITY).
3. ALL LIGHTING WILL BE THAT OF "FULL CUT OFF LENSES".

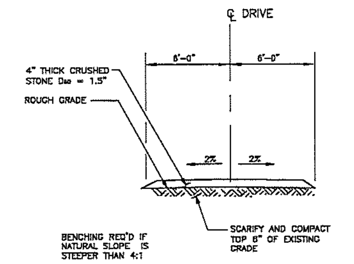
COMPLIANCE

1. ADA COMPLIANCE: FACILITY IS NOT STAFFED AND NOT NORMALLY OCCUPIED.
2. CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION.
3. THE ANTENNAS SHALL NOT INTERFERE WITH ANY EXISTING COMMUNICATION SITES.
4. DEVELOPMENT AND USE OF THIS SITE WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.
5. ALL ITEMS ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.

NOTES

1. SITE PLAN RENDERING DERIVED FROM DETAILS PROVIDED FROM ASSESSORS MAP & SITE AUDIT.
2. REFER TO AT&T SPECIFICATIONS FOR ADDITIONAL CARRIER INFORMATION/DETAILS.
3. G.C. TO VERIFY EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION
4. G.C. TO BRING ALL EXISTING AND NEW EQUIPMENT INTO COMPLIANCE WITH GOVERNING CODES.
5. G.C. TO RE-COLORCODE ALL EXISTING AND NEW AT&T COAX TO CURRENT AT&T STANDARDS.

NOTES N.T.S. 3



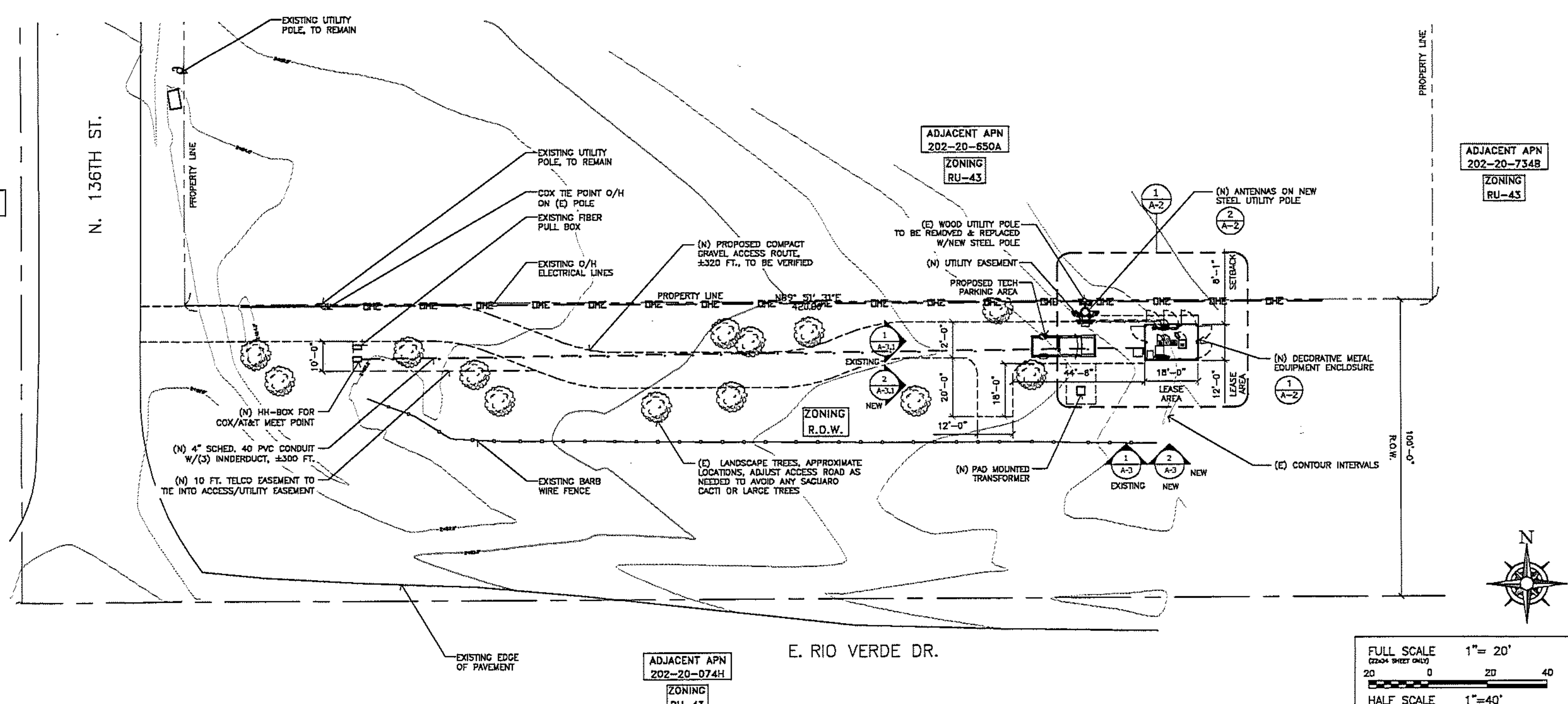
GRAVEL DRIVEWAY DETAIL N.T.S. 2

LEGEND

ABBREVIATIONS:
(E) – EXISTING
(R) – RELOCATED
(N) – NEW
(F) – FUTURE
PUE PUBLIC UTILITY EASEMENT
ROW RIGHT OF WAY
DW DRIVEWAY
SW SIDEWALK

SYMBOLS:
POSITION OF GEODETIC COORDINATES
WATER CONTROL VALVE
FIRE HYDRANT
POWER POLE
ELECTRIC MANHOLE
TELCO MANHOLE
FOUND AS NOTED

ELECTRIC — PROPERTY LINE — NEW FIBER ROUTE
BLUE STAKE POWER — BLUE STAKE GAS — BLUE STAKE WATER



FULL SCALE 1"= 20'
20 0 20 40
HALF SCALE 1"=40'

OVERALL SITE PLAN SCALE: 1" = 20' 1

AT&T

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
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

PRELIMINARY UNLESS SIGNED

EXPIRES 9-30-2019

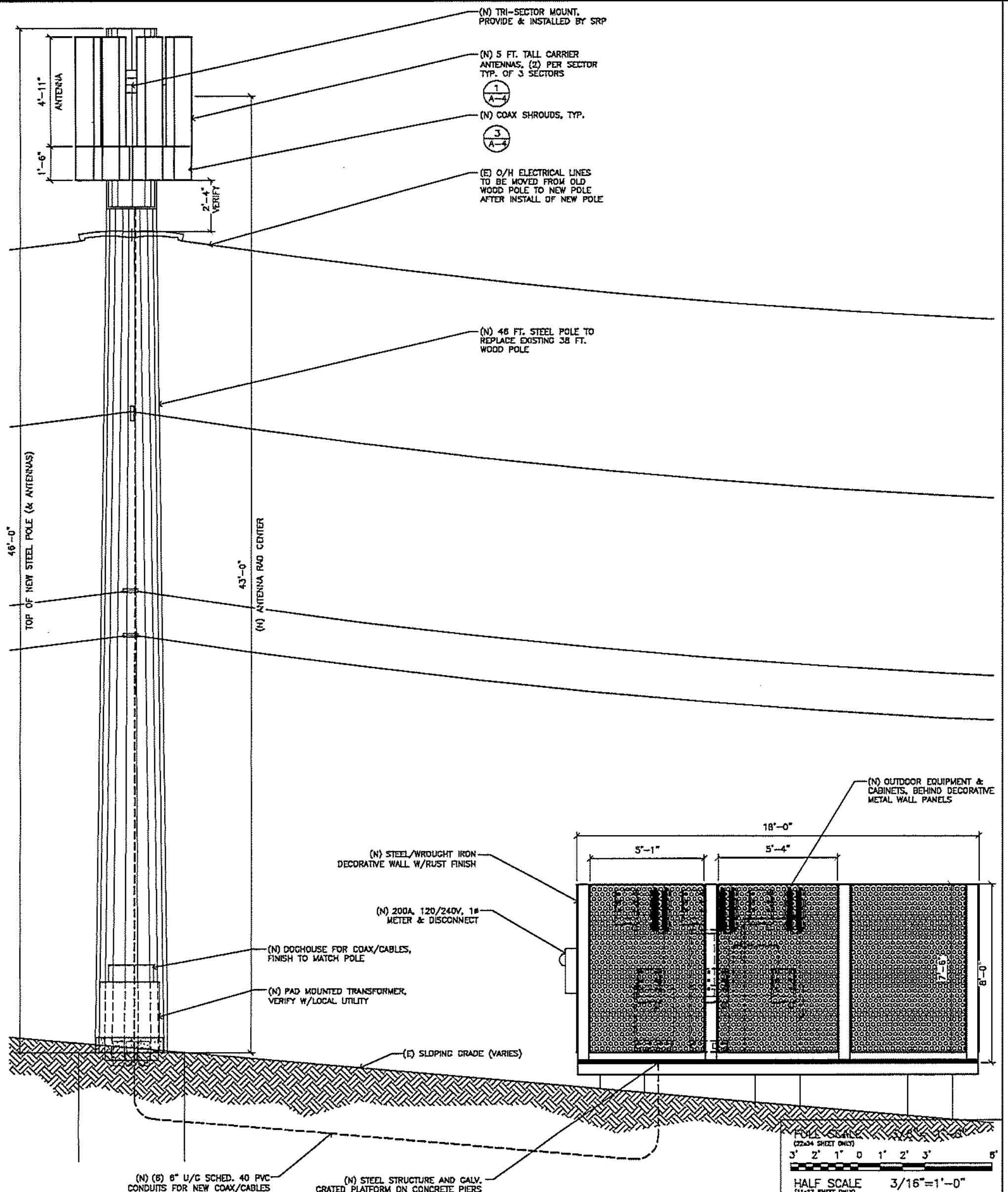
SDN

SHEET TITLE

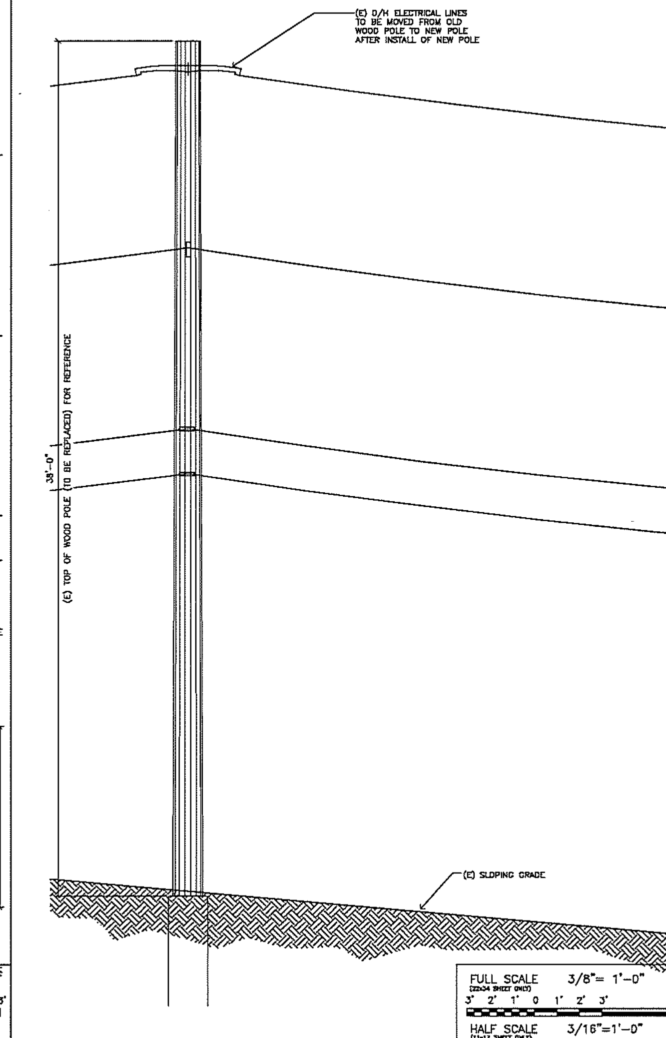
OVERALL SITE PLAN

SHEET NUMBER

A-1



NEW SOUTH ELEVATION — SCALE: 3/8" = 1'-0" — 2



EXISTING SOUTH ELEVATION — SCALE: 3/8" = 1'-0" — 1

AT&T
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
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	05/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT 32874 STEVEN L. DEJONGE
EXPIRES 9-30-2019
THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.
PRELIMINARY UNLESS SIGNED

SGN

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-3

SITE PHOTOS

AT&T Mobility
136TH Street & Rio Verde Drive
12kV Distribution Pole

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

PROJECT NARRATIVE

I. Introduction

The purpose of this application is to request approval of the installation of an AT&T antenna array on a replaced 12kV electric pole along with the ground equipment in the City of Scottsdale right-of-way. The subject site is proposed east of the northeast corner of 136th Street and Rio Verde Dr.

II. Description of Site Development

SRP owns and operates electrical infrastructure in the Rio Verde area of unincorporated Maricopa County and the City of Scottsdale. The poles that provide the above ground electric grid are generally the only existing vertically in the rural area. The existing poles in the area are mostly wood which is not suitable for collocation of wireless antennas. The subject pole would be replaced with a steel pole to support the addition of the antennas. The request includes the allowed increase of eight (8) feet to allow the antennas above conductor.

The antenna array is three (3) sectors of two (2) antennas per sector for a total of 6' antennas. The antennas proposed are approximately five (5) feet long and are bottom fed. The bottom fed antennas will have shrouds to obscure the rain loops from view. All antennas and the shrouds will be painted SRP boot brown to approximately match the rusted steel pole. The ground equipment is proposed east of the pole in the City of Scottsdale right-of-way. The equipment will be surrounded by rusted steel decorative panels. No equipment will be visible from outside the compound.

III. Parking and Access

Access to the site will occur from 136th Street. AT&T will improve the access with gravel. Parking is provided adjacent to the ground equipment and would be accessed approximately one time per month.

IV. Compatibility

There is single family residential zoning north and northeast of the proposed location in Maricopa County with a designation of R-43. There are a mix of developed and undeveloped parcels. Northwest of 136th Street and Rio Verde Drive is City of Scottsdale preserve. The southwest corner of 136th Street and Rio Verde Drive was approved for resort residences in R-4R ESL. The land southeast of 136th Street and Rio Verde Drive is zoned R1-70 ESL, and currently undeveloped. The proposed facility utilizes the only existing verticality in the area while trying to minimize additional visual impact. The increased pole height is within the City of Scottsdale

established guidelines and attempts to maintain the size, height, and color of the other utility poles to the extent possible while providing the wireless services.

CONSULTANT TEAM

CLIENT REPRESENTATIVE
BECHTEL INFRASTRUCTURE & POWER CORPORATION
8323 WEST SHERMAN ST.
TOLLESON, AZ 85353
CONTACT: STEVE OLSON
PHONE: (623) 282-3004

PROJECT OWNER
AT&T MOBILITY
1355 W. UNIVERSITY DR.
MESA, AZ 85201
CONTACT: ROBERT HOFRICHTER
PHONE: (480) 444-4681
E-MAIL: RH1316@ATT.COM

PROPERTY OWNER
CITY OF SCOTTSDALE
ATTN: KEITH NIEDERER
7447 E. INDIAN SCHOOL RD.
SCOTTSDALE, AZ 85251
PHONE: (480) 312-2953
E-MAIL: KNIEDERER@SCOTTSDALEAZ.GOV

A & E
CLEAR BLUE SERVICES
4814 S. 35TH ST.
PHOENIX, AZ 85040
CONTACT: STEVEN DeJONGE
PHONE: (602) 405-8803
E-MAIL: STEVENDEJONGE@CLEARBLUESERVICES.COM

GENERAL NOTES

* CONTRACTOR & CREWS SHALL ABIDE BY AT&T CONSTRUCTION STANDARDS/REQUIREMENTS AS DESCRIBED IN THE AT&T SAFETY HANDBOOK.

* OSHA REGULATIONS/STANDARDS SHALL BE REVIEWED & FOLLOWED BY ALL EQUIPMENT INSTALLERS AND TOWER/ROOF TOP CONTRACTORS/SUBCONTRACTORS DURING CONSTRUCTION.

* THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS 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, COSIGNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATERTIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.

* THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE SAFETY OF THE OWNER'S EMPLOYEES, WORKMEN, AND ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.

* THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR ALL NECESSARY PERMITS AND/OR FEES WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BE THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN PERMIT AND MAKE FINAL PAYMENT FOR SAID DOCUMENT.

* AT&T GC TO VERIFY ALL MEASUREMENTS OF EXISTING CONDUITS FOR FIBER RUN AND ANY POWER RUNS.

* DO NOT SCALE DRAWINGS

SITE INFORMATION

OWNER/LANDLORD:	CITY OF SCOTTSDALE ATTN: KEITH NIEDERER 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, AZ 85251 PHONE: (480) 312-2953 E-MAIL: KNIEDERER@SCOTTSDALEAZ.GOV
APPLICANT:	AT&T MOBILITY 1355 W. UNIVERSITY DR. MESA, AZ 85201 CONTACT: ROBERT HOFRICHTER PHONE: (480) 444-4681 E-MAIL: RH1316@ATT.COM
TOWER TYPE:	STEEL UTILITY POLE (REPLACE EXISTING)
EXISTING SITE TYPE:	WOOD UTILITY POLE
APN:	R.O.W
LATITUDE	33° 44' 29.95" N 33.7416570°
LONGITUDE	-111° 47' 08.85" W -111.7857980°
EXISTING ELEVATION:	±2,473.4'
EXISTING ZONING:	R.O.W.
CONSTRUCTION TYPE:	II
EXISTING PROJECT AREA:	NO CHANGE
PROPOSED OCCUPANCY:	UTILITY POLE / UNMANNED TELECOMMUNICATIONS FACILITY
EXISTING OCCUPANCY:	UTILITY POLE
JURISDICTION:	SRP / CITY OF SCOTTSDALE
PRE-APP NUMBER:	672-PA-2018
ELECTRICAL PROVIDER:	SRP

AT&T

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP RIO VERDE R.O.W.-LTE
FA CODE: 14341433
USID: 193321

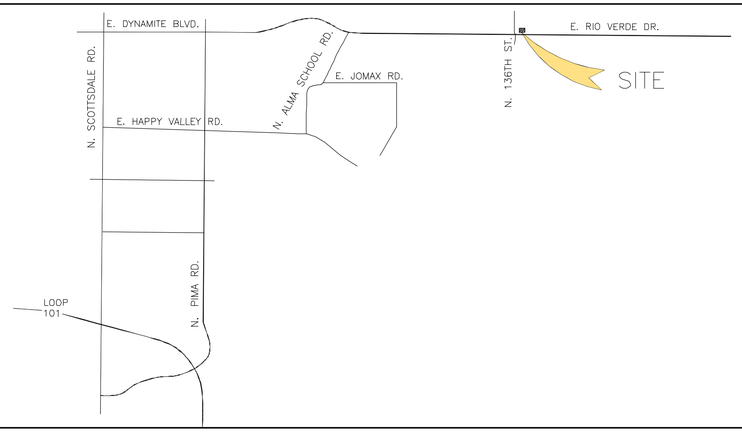
N.E.CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

DRIVING DIRECTIONS

DIRECTIONS:

DEPARTING THE AT&T OFFICE AT 1355 W. UNIVERSITY IN MESA GO LEFT ONTO UNIVERSITY HEADING WEST TO THE LOOP 101, TAKE A RIGHT ONTO PRICE RD./LOOP 101 FRONTAGE ROAD NORTH AND PROCEED TO MERGE ONTO 101 NORTH. CONTINUE ON THE 101 NORTH TO PIMA ROAD EXIT AND FOLLOW FRONTAGE ROAD/N. PIMA ROAD TO DYNAMITE ROAD. TAKE RIGHT ONTO DYNAMITE ROAD AND PROCEED EAST ABOUT 6 MILES, DYNAMITE RD. WILL TRANSITION INTO RIO VERDE DR., CONTINUE ON RIO VERDE DR. TO 136TH ST., SITE WILL BE ON THE NE CORNER OF RIO VERDE DR. & 136TH ST.

VICINITY MAP



APPLICABLE CODES

ARIZONA STATE CODE COMPLIANCE:

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

- 2012 IBC, STANDARDS AND AMENDMENTS
- 2012 IMC, 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 ID: 2044295
RFDS NAME:
AZ-NM_ARIZONA_AZL04814-2019-New-Site_LTE_ac7856_3901A0DMA0_14341433_193321_10-25-17_As-Built-In-Progress_v5.00
REVISION -
VERSION: 5.00
RFDS DATE: 10/25/2017
Updated by: ac7856, Date Updated: 6/18/2018, 4:35:48 PM

SUMMARY OF EQUIPMENT:

NUMBER OF SECTORS:	3
NUMBER OF ANTENNAS:	6
NUMBER OF TMA'S:	6
NUMBER OF RRH'S:	6
NUMBER OF FIBER OPTIC CABLES	0
NUMBER OF DC CABLES	0
NUMBER OF COAX CABLES	12
NUMBER OF TWIN QUADPLEXERS	6
NUMBER OF INJECTORS	12

APPROVALS

AT&T (RF): _____ DATE: _____

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

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

LANDLORD: _____ DATE: _____

LANDLORD: _____ DATE: _____

PROJECT DESCRIPTION

GROUND SCOPE
- (1) NEW GALV. METAL GRATED EQUIPMENT PLATFORM W/DECORATIVE METAL ENCLOSURE
- (1) NEW POWER PLANT EQUIPMENT CABINET
- (1) NEW DUAL-STACK EQUIPMENT CABINET
- (1) NEW LTE FLEXI-STACK CABINET
- (1) NEW PPC ELECTRICAL PANEL ON NEW H-FRAME
- (1) NEW DC POLAR GENERATOR ON GALV. METAL PLATFORM
- (1) NEW RAYCAP DC12-48-60-0-25E. MOUNTED TO SIDE COMPOUND
- (6) NEW 6" U/G SCHED. 40 PVC CONDUITS TO DOGHOUSE AT POLE BASE
- (1) NEW GPS ANTENNA
- (3) NEW GROUND MTD. RRH'S-AIRSCALE DUAL RRH4T4R, B25/66 320W AHFIB
- (3) NEW GROUND MTD. RRH'S-B12/B14 AIRSCALE DUAL-BAND RRH4T4R 320W, (AHLBA)
- (1) NEW FIBER MEET HH-BOX
- (1) NEW 200A, 120/240V, 1ø METER & DISCONNECT MTD. TO WALL
- (1) NEW 2-1/2" SCHED. 40 PVC U/G CONDUIT FOR ELECTRICAL SERVICE
- (1) NEW 4" SCHED. 40 PVC CONDUIT W/INNERDUCT, U/G FOR NEW FIBER LINE

TOWER SCOPE
ON THE NEW SRP INSTALLED POWER POLE.
- (1) NEW TRI-SECTOR MOUNT PROVIDED AND INSTALLED BY SRP
- (6) NEW KATHREIN 800-10964K ANTENNAS (2) PER SECTOR
- (12) NEW COAX CABLES
- (6) NEW TMA'S - TMABPDB7823VG12A (2) PER SECTOR

ELECTRICAL SCOPE (SHOW BREAKER LIST)
- 50A BREAKER - B12/B14 AIRSCALE DUAL-BAND RRH4T4R 320W (HLBA) (3 TOTAL)
- 50A BREAKER - AIRSCALE DUAL RRH4T4R B25/66 320W, AHFIB (3 TOTAL)
- 20A BREAKER - LTE BBU
- 10A BREAKER - SIAD

GROUND EQUIPMENT VOLUME ANALYSIS:

EQUIPMENT ITEM	AREA	HEIGHT	VOLUME
LTE FLEXI-STACK	3.17 SF	3.0 FT.	3.309x3.5=9.53 CF
DUAL STACK	3.333 SF	4.5 FT.	3.333x4.5=14.99 CF
-	-	-	-
POWER CABINET	7.404 SF	6.0 FT	7.404x5.0=44.424 CF
PPC	2.48 SF	4.4 FT.	1.90x2.0 =10.90 CF
DC12	1.5 SF	2.0 FT.	1.5x2.0 =3.0 CF
DISCONNECT	0.5 SF	1.0 FT.	0.5x1.0 =0.5 CF
RRH'S	AVG. 2.2 CF (6) TOTAL		2.2x(6) =13.2 CF
METER/DISC.	0.5 SF	2.0 FT	0.5x2.0 =1.0 CF
TRANSFORMER	6.25 SF	2.5 FT.	6.25x2.50=15.63 CF

TOTAL EQUIPMENT VOLUME = 112.944 CF < 150 ALLOWED = OK

SHEET INDEX

SHT.	DESCRIPTION	REV
T-1A	TITLE SHEET	8
LS-1	SURVEY	8
A-1	OVERALL SITE PLAN	8
A-2	ENLARGED COMPOUND PLAN	8
A-3	EXISTING & NEW SOUTH ELEVATIONS	8
A-3.1	EXISTING & NEW WEST ELEVATIONS	8
A-4	ANTENNA LAYOUT & DETAILS	8

JURISDICTIONAL APPROVAL

PRE-APP NUMBER: 672-PA-2018

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

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST.
& RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT
CERTIFICATE NO.
32874
STEVEN L. DEJONGE
Date Signed 9/21/18
ARIZONA U.S.A.

EXPIRES 9-30-2019

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

PRELIMINARY UNLESS SIGNED

SDN

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1A

SITE INFO

############ N/A

############
MARICOPA COUNTY

################

LINE TABLE		
LINE	LENGTH	BEARING
L1	12.00	N00°00'00"E
L2	18.00	N90°00'00"E
L3	12.00	S00°00'00"E
L4	18.00	N90°00'00"W
L5	16.51	N00°00'00"W
L6	14.91	S00°00'00"E
L7	10.00	N90°00'00"W
L8	7.07	S45°00'00"W
L9	14.00	S00°00'00"E
L10	12.00	N90°00'00"W
L11	14.98	N00°00'00"E
L12	7.07	N45°00'00"W
L13	26.30	N90°00'00"W
L14	27.57	S68°43'56"W
L15	75.86	N90°00'00"W
L16	16.54	N68°43'56"W
L17	10.00	N00°00'00"E
L18	12.00	N00°20'26"E
L19	110.19	N90°00'00"E
L20	44.11	S68°43'56"E
L21	71.36	N90°00'00"E
L22	27.57	N68°43'56"E
L23	68.00	N90°00'00"E
L24	2.00	N00°00'00"E
L25	40.00	N90°00'00"E

AT&T LEASE AREA LEGAL DESCRIPTION

ALL THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 30, TOWNSHIP 5 NORTH, RANGE 6 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 30,
THENCE NORTH 89°51'31" EAST, ALONG THE SOUTH LINE OF SAID SECTION 30, 378.74 FEET;
THENCE DEPARTING SAID SOUTH LINE NORTH 00°08'29" WEST, 80.00 FEET TO THE POINT OF BEGINNING;
THENCE NORTH 00°00'00" EAST, 12.00 FEET;
THENCE NORTH 90°00'00" EAST, 18.00 FEET;
THENCE SOUTH 00°00'00" EAST, 12.00 FEET;
THENCE NORTH 90°00'00" WEST, 18.00 FEET TO THE POINT OF BEGINNING.

AN AREA CONTAINING 216 SQ FT. MORE OR LESS.

ACCESS EASEMENT LEGAL DESCRIPTION

ALL THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 30, TOWNSHIP 5 NORTH, RANGE 6 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 30,
THENCE NORTH 89°51'31" EAST, ALONG THE SOUTH LINE OF SAID SECTION 30, 378.74 FEET;
THENCE DEPARTING SAID SOUTH LINE NORTH 00°08'29" WEST, 80.00 FEET TO THE POINT OF BEGINNING;
THENCE NORTH 90°00'00" WEST, 16.51 FEET;
THENCE SOUTH 00°00'00" EAST, 14.91 FEET;
THENCE NORTH 90°00'00" WEST, 10.00 FEET;
THENCE NORTH 00°00'00" WEST, 14.91 FEET;
THENCE NORTH 90°00'00" WEST, 13.00 FEET
THENCE SOUTH 45°00'00" WEST, 7.07 FEET;
THENCE SOUTH 00°00'00" EAST, 14.00 FEET;
THENCE NORTH 90°00'00" WEST, 12.00 FEET;
THENCE NORTH 00°00'00" EAST. 14.98 FEET;
THENCE NORTH 45°00'00" WEST, 7.07 FEET;
THENCE NORTH 90°00'00" WEST, 26.30 FEET;
THENCE SOUTH 68°43'56" WEST, 27.57 FEET;
THENCE NORTH 90°00'00" WEST, 75.86 FEET;
THENCE NORTH 68°43'56" WEST. 16.54 FEET;
THENCE NORTH 90°00'00" WEST, 61.91 FEET;
THENCE NORTH 00°00'00" EAST, 10.00 FEET;
THENCE NORTH 90°00'00" WEST, 71.79 FEET;
THENCE NORTH 00°20'26" EAST, 12.00 FEET;
THENCE NORTH 90°00'00" EAST, 110.19 FEET;
THENCE SOUTH 68°43'56" EAST, 44.11 FEET;
THENCE NORTH 00°00'00" EAST, 71.36 FEET;
THENCE NORTH 68°43'56" EAST, 27.57 FEET;
THENCE NORTH 90°00'00" EAST. 68.00 FEET;
THENCE NORTH 00°00'00" EAST, 2.00 FEET;
THENCE NORTH 90°00'00" EAST, 40.00 FEET;
THENCE SOUTH 00°00'00" EAST, 2.98 FEET;
THENCE SOUTH 90°00'00" WEST, 18.00 FEET;
THENCE SOUTH 00°00'00" WEST, 12.00 FEET TO THE POINT OF BEGINNING.

AN AREA CONTAINING 4,985 SQ FT. MORE OR LESS.

PARENT PARCEL LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF MARICOPA, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

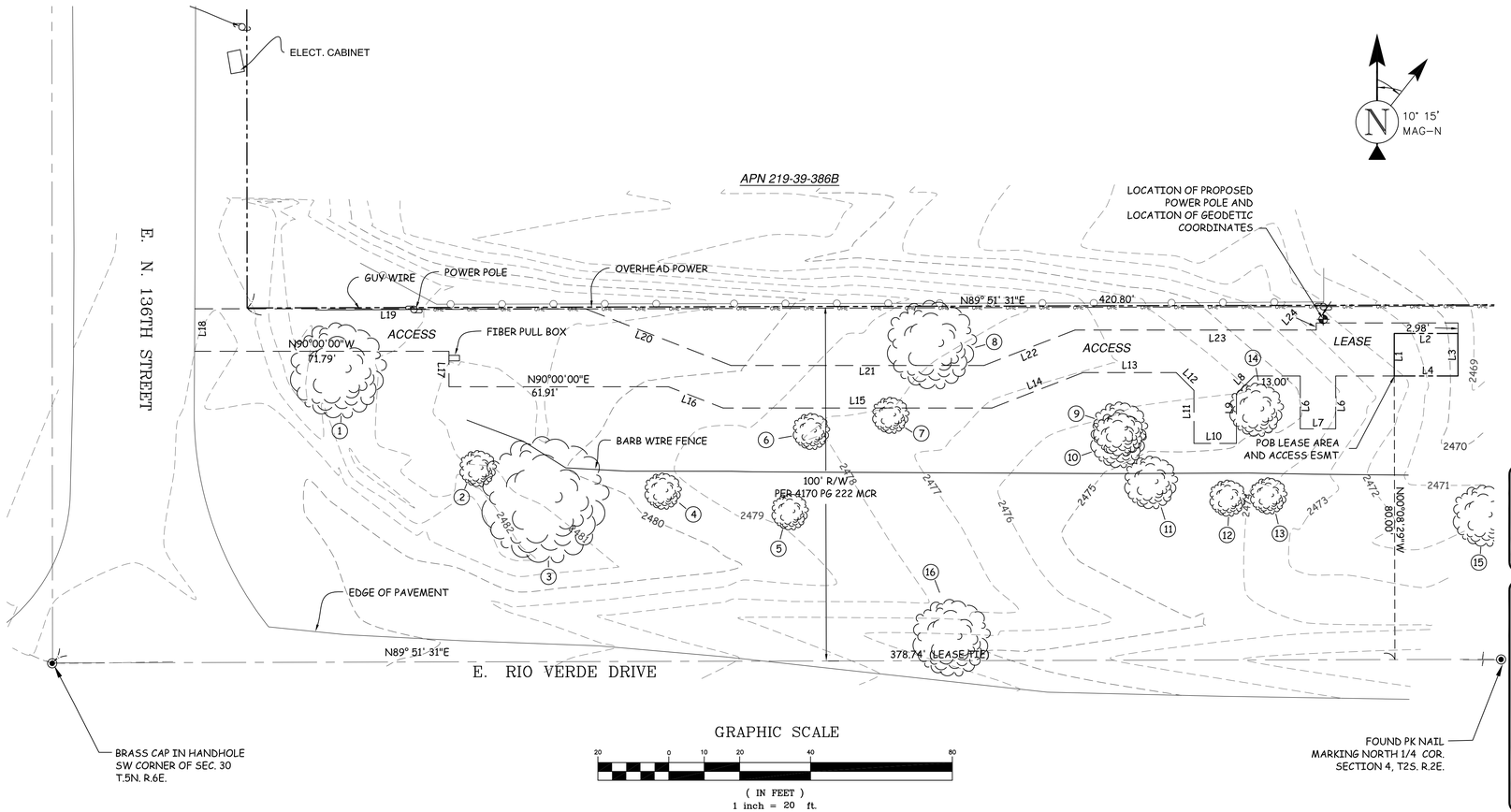
THE RIGHT OF WAY OF RIO VERDE RD WITHIN G.L.O. LOT 4, SECTION 30, TOWNSHIP 5 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.

SCHEDULE B EXCEPTIONS:

WESTERN GEOMATICS SERVICES HAS RECEIVED AND REVIEWED THE TITLE COMMITMENT PREPARED BY FIDELITY NATIONAL TITLE INSURANCE CO., DATED EFFECTIVE 9-25-17, BEING COMMITMENT NO. AZ-FMPC-IMP-N/A-1-17-10003433 FOR THE SUBJECT PROPERTY, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

NO SCHEDULE B II EXCEPTIONS PROVIDED.

VEGETATION TABLE				
NUMBER	TREE	DIAMETER	CANOPY	HEIGHT
1	PALO	24"	14'	12'
2	PALO	5"	6'	7'
3	PALO	18"	20'	14'
4	MESQ	6"	6'	9'
5	BLUE PALO	8"	4'	8'
6	PALO	6"	6'	9'
7	PALO	5"	6'	7'
8	PALO	10"	12'	12'
9	PALO	6"	8'	9'
10	PALO	6"	8'	9'
11	PALO	6"	7'	8'
12	PALO	6"	6'	7'
13	PALO	6"	6'	7'
14	IRONWOOD	10"	8'	8'
15	PALO	8"	8'	10'
16	MESQ	5"	12'	7'



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

N
10° 15'
MAG-N

BENCHMARK

ELEVATION ESTABLISHED FROM GPS OBSERVATIONS CONSTRAINED TO OPUS SOLUTIONS, APPLYING GEOID 12A SEPARATIONS NAVD88 DATUM,

BASIS OF BEARINGS

BEARINGS SHOWED HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM *ARIZONA CENTRAL (INT. FT)*, DETERMINED BY GPS OBSERVATIONS.

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT LOCAL 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR NOTES

NO SEARCH OF PUBLIC RECORDS HAS BEEN COMPLETED TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE PARENT PARCEL.

THIS SURVEY IS FOR THE PROPOSED LEASE AREA AND THE PROPOSED ACCESS AND UTILITY EASEMENT ONLY, AND ONLY A PARTIAL BOUNDARY SURVEY OF THE PARENT TRACT HAS BEEN PERFORMED

THIS PROPERTY IS SUBJECT TO ANY RECORD EASEMENTS AND/OR RIGHT OF WAY SHOWN HEREON OR NOT.

THIS SURVEY IS NOT INTENDED FOR LAND TRANSFER.

SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

FAA COORDINATE POINT

CENTER OF 46' POWER POLE (NAD83)
LATITUDE 33° 44' 29.95" NORTH
LONGITUDE 111° 47' 08.85" WEST
ELEVATION 2473.4' (NAVD88)

1-A ACCURACY CERTIFICATION

THE HORIZONTAL ACCURACY OF THE LATITUDE AND LONGITUDE OF THE GEODETIC COORDINATES FALL WITHIN TWENTY (20) FEET. THE ELEVATIONS (NAVD88) OF THE GROUND AND FIXTURES FALL WITHIN THREE (3) FEET.

THE PROPOSED LEASE AREA SHOWN HEREON IS NOT LOCATED IN A 100-YEAR FLOOD PLAIN PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NO. 0413C1331M, DATED 11/14/2015. THE PROPOSED LEASE AREA IS LOCATED IN ZONE "X".

LEGEND

POB	POINT OF BEGINNING	00000.0	SPOT ELEVATION
POT	POINT OF TERMINUS		POSITION OF GEODETIC COORDINATES
PUE	PUBLIC UTILITY EASEMENT	WV	WATER CONTROL VALVE
ROW	RIGHT OF WAY		FIRE HYDRANT
DW	DRIVEWAY		POWER POLE
SW	SIDEWALK	EMH	ELECTRIC MANHOLE
	SET ½"x24" IR CAPPED: #3219 OR FOUND AS NOTED	T	TELCO MANHOLE

OVERHEAD ELECTRIC — PROPERTY LINE — BARBED WIRE FENCE

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

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST.
& RIO VERDE RD.
SCOTTSDALE, AZ 85262

PROFESSIONAL SEAL

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
28719
JEFF R.
COOK
10/25/2018
Date Signed
ARIZONA, U.S.A.

EXPIRES: 3/31/2019

SDN

SHEET TITLE

SITE SURVEY

SHEET NUMBER

LS-1

SIGNS

1. INSTALL ADDRESS PLACARD NEAR ENTRANCE GATE OF EQUIPMENT AREA (OR FACING STREET OF ASSOCIATED ADDRESS).

LIGHTING

1. ADDITIONAL LIGHTING WILL BE INSTALLED IF REQUIRED BY MUNICIPALITY FOR SECURITY PURPOSES.
2. ALL LIGHTING IS TO BE INSTALLED NO HIGHER THAN 8'–0", (UNLESS REQUIRED OTHERWISE BY INDIVIDUAL MUNICIPALITY).
3. ALL LIGHTING WILL BE THAT OF "FULL CUT OFF LENSES".

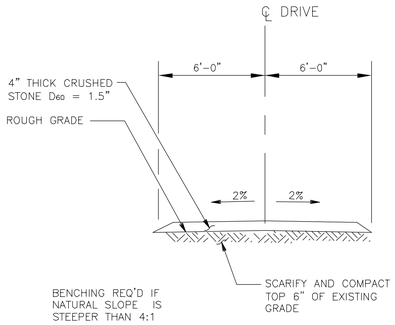
COMPLIANCE

1. ADA COMPLIANCE: FACILITY IS NOT STAFFED AND NOT NORMALLY OCCUPIED.
2. CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION.
3. THE ANTENNAS SHALL NOT INTERFERE WITH ANY EXISTING COMMUNICATION SITES.
4. DEVELOPMENT AND USE OF THIS SITE WILL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES.
5. ALL ITEMS ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.

NOTES

1. SITE PLAN RENDERING DERIVED FROM DETAILS PROVIDED FROM ASSESSORS MAP & SITE AUDIT.
2. REFER TO AT&T SPECIFICATIONS FOR ADDITIONAL CARRIER INFORMATION/DETAILS.
3. G.C. TO VERIFY EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION
4. G.C. TO BRING ALL EXISTING AND NEW EQUIPMENT INTO COMPLIANCE WITH GOVERNING CODES.
5. G.C. TO RE–COLORCODE ALL EXISTING AND NEW AT&T COAX TO CURRENT AT&T STANDARDS.

NOTES N.T.S. 3

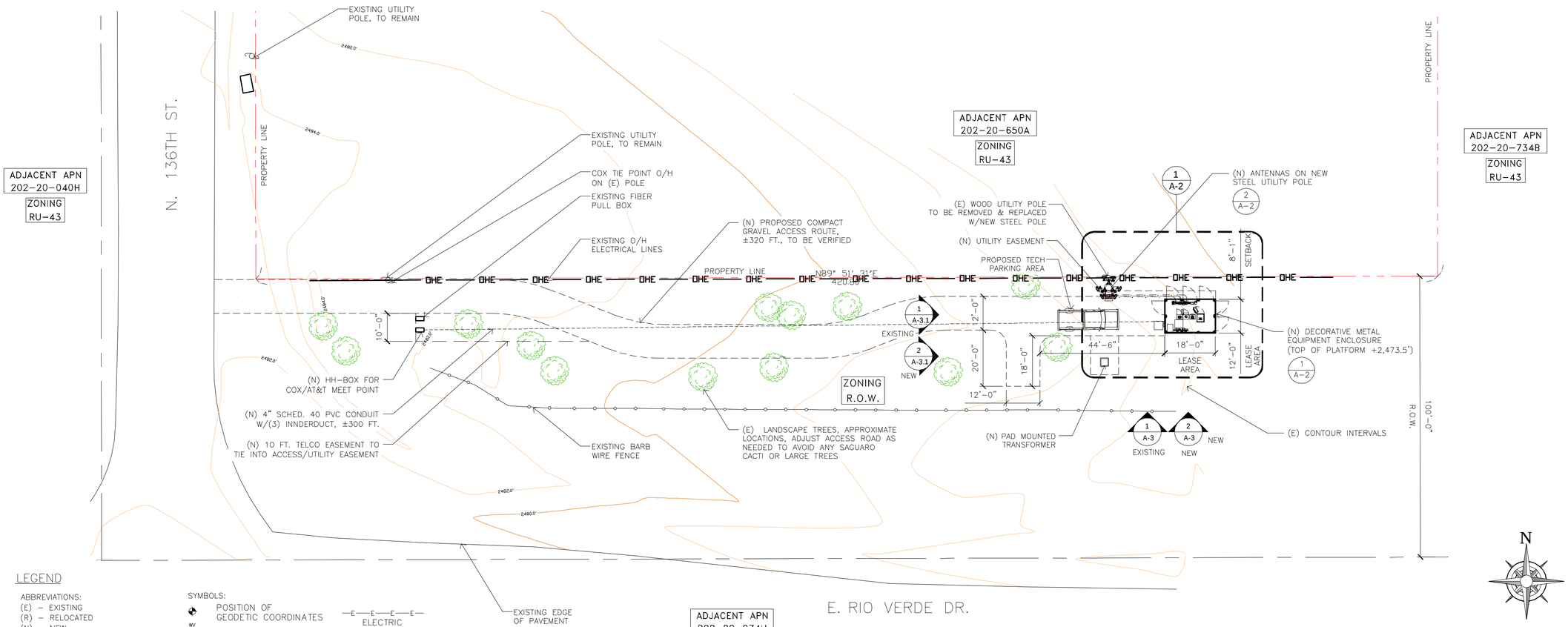


GRAVEL DRIVEWAY DETAIL N.T.S. 2

DRAINAGE STATEMENT

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE CITY OF SCOTTSDALE BENCHMARK PROVIDED.

THE LOWEST FLOOR ELEVATIONS AND/ OR FLOOD PROOFING ELEVATIONS ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100-YEAR STORM, AND ARE IN ACCORDANCE WITH SCOTTSDALE REVISED CODE, CHAPTER 37 - FLOODPLAIN AND STORM WATER REGULATION. [REFERENCE: COS DS&PM: SECTION 1-2.300]



N

LEGEND

ABBREVIATIONS:
- (E) – EXISTING
- (R) – RELOCATED
- (N) – NEW
- (F) – FUTURE
- PUE PUBLIC UTILITY EASEMENT
- ROW RIGHT OF WAY
- DW DRIVEWAY
- SW SIDEWALK

SYMBOLS:
- POSITION OF GEODETIC COORDINATES
- WV WATER CONTROL VALVE
- FIRE HYDRANT
- POWER POLE
- EMH ELECTRIC MANHOLE
- TELCO MANHOLE
- FOUND AS NOTED

ELECTRIC
BPV BPV
BLUE STAKE POWER
PROPERTY LINE
NEW FIBER ROUTE
SW SW

FULL SCALE 1"= 20' (22x34 SHEET ONLY)
20 0 20 40
HALF SCALE 1"=40' (11x17 SHEET ONLY)

OVERALL SITE PLAN SCALE: 1" = 20' 1

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

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282–3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE–R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT CERTIFICATE NO. 32874 STEVEN L. DEJONGE Date Signed 9/21/18 ARIZONA U.S.A.

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

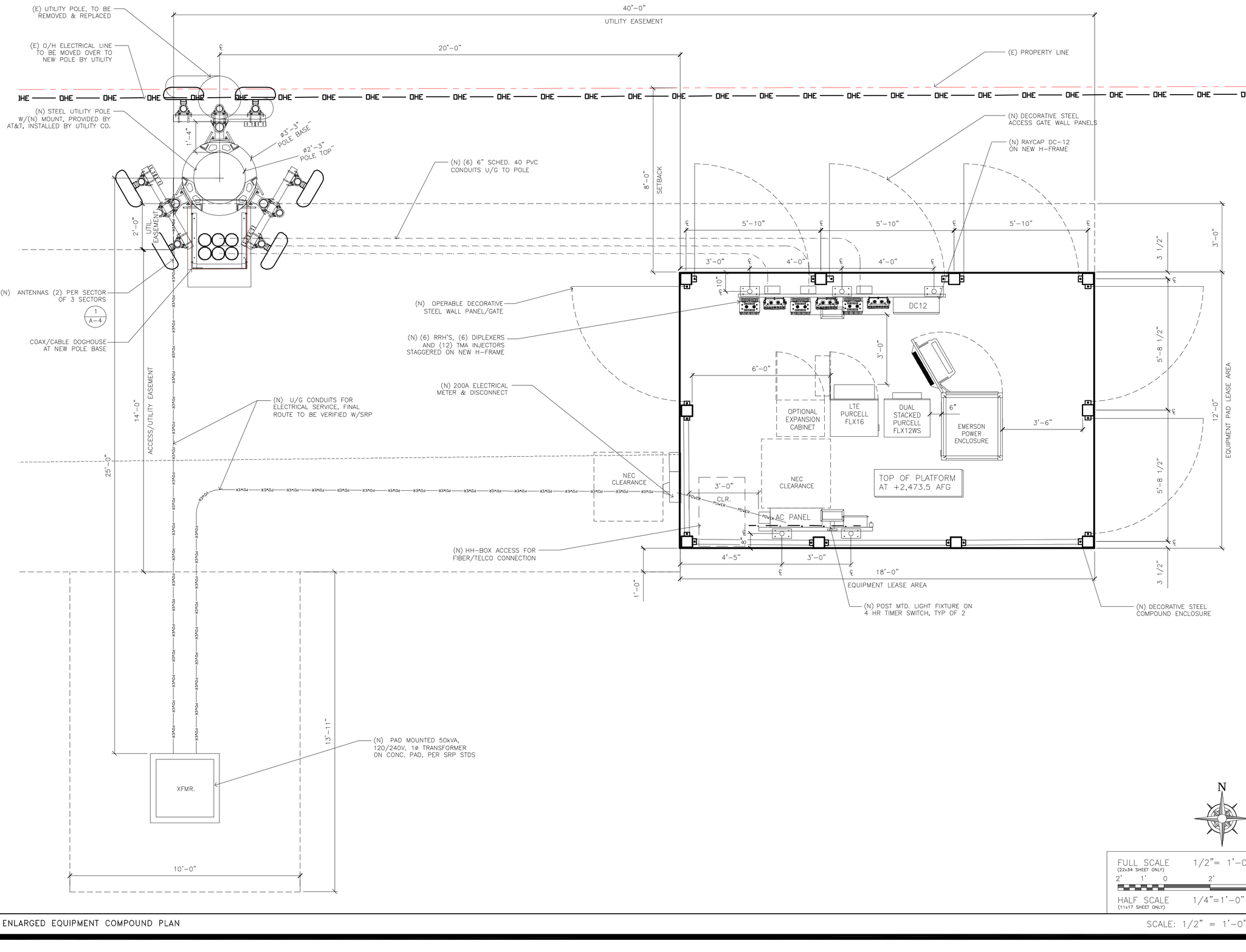
PRELIMINARY UNLESS SIGNED

EXPIRES 9–30–2019

SDN

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1



ENLARGED EQUIPMENT COMPOUND PLAN

SCALE: 1/2" = 1'-0" | 1

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

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.O.W.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT
CERTIFICATE NO.
32874
STEVEN L. DEJONGE
Date Signed 9/21/18
ARIZONA U.S.A.

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

PRELIMINARY UNLESS SIGNED

EXPIRES 9-30-2019

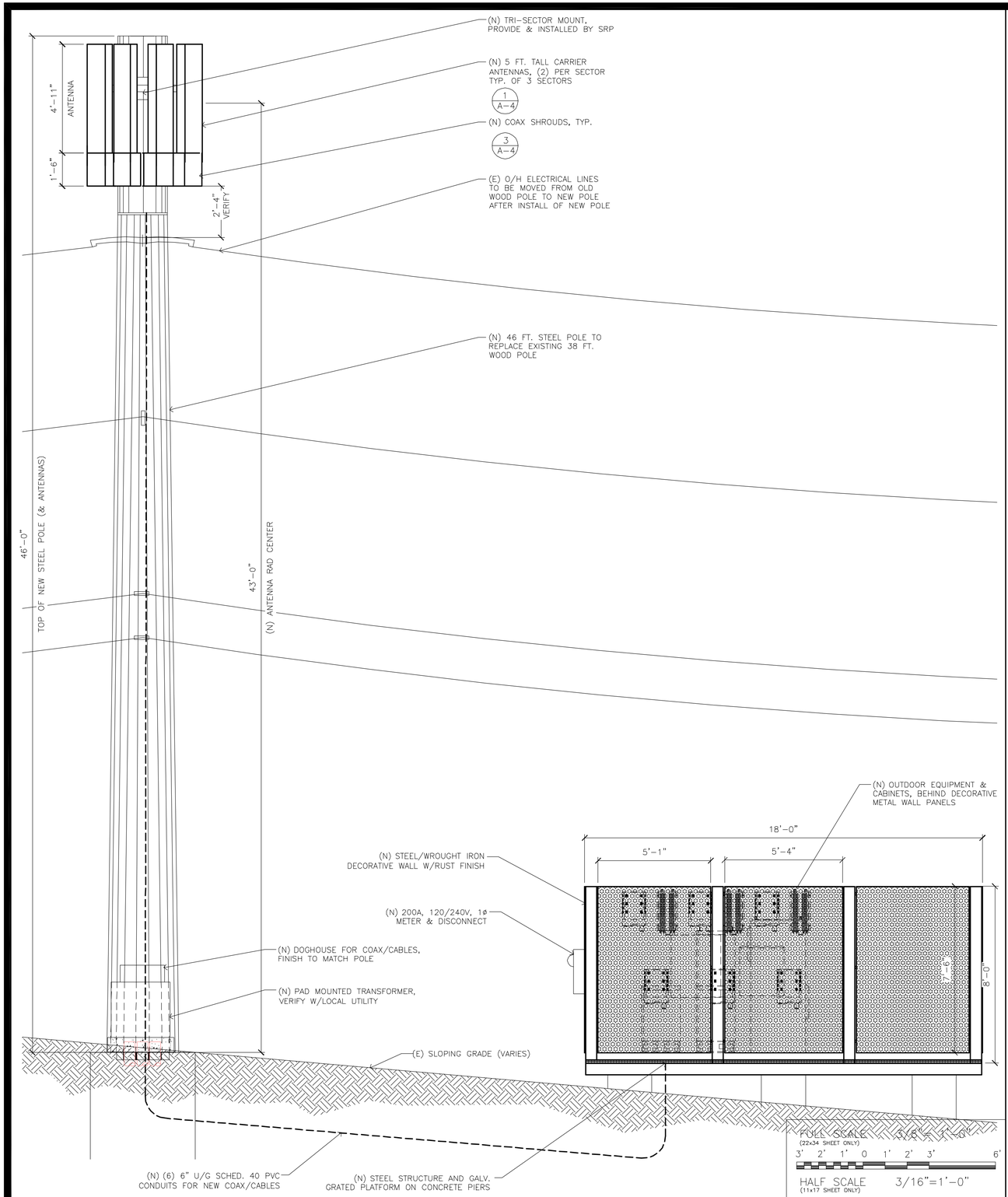
SDN

SHEET TITLE

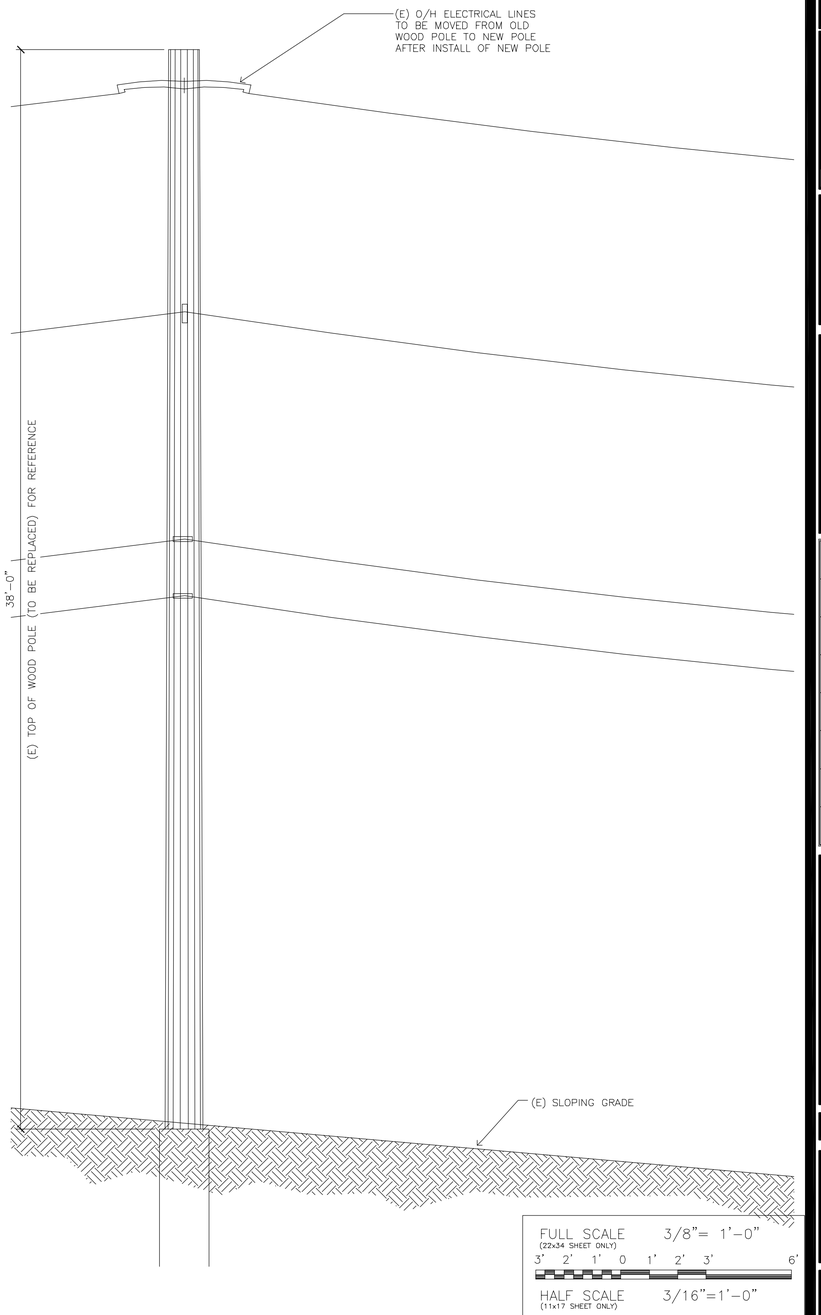
ENLARGED EQUIPMENT COMPOUND PLAN

SHEET NUMBER

A-2



NEW SOUTH ELEVATION — SCALE: 3/8" = 1'-0" | 2



EXISTING SOUTH ELEVATION — SCALE: 3/8" = 1'-0" | 1

AT&T

1355 W. UNIVERSITY DRIVE
MESA, AZ 85201-5419

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT CERTIFICATE NO. 32874 STEVEN L. DEJONGE Date Signed 9/27/18 ARIZONA U.S.A.

EXPIRES 9-30-2019

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

PRELIMINARY UNLESS SIGNED

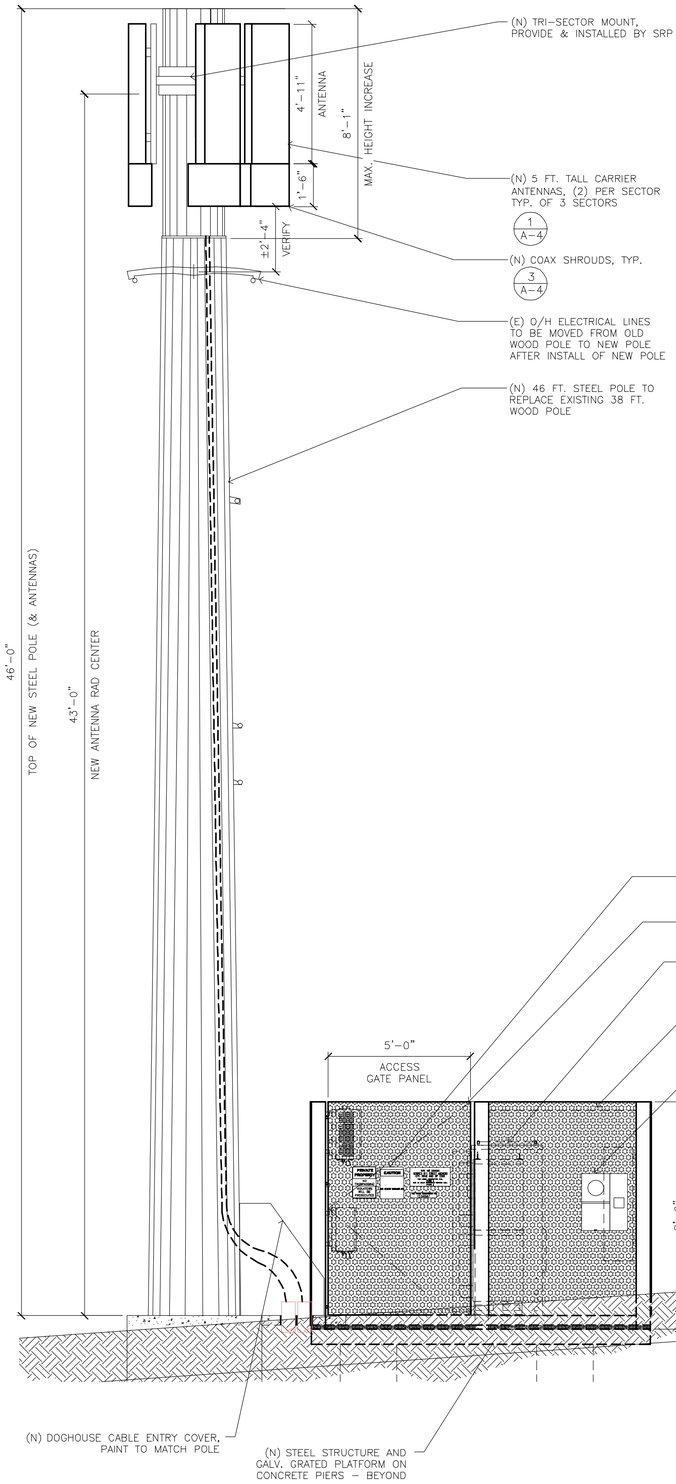
SDN

SHEET TITLE

ELEVATIONS

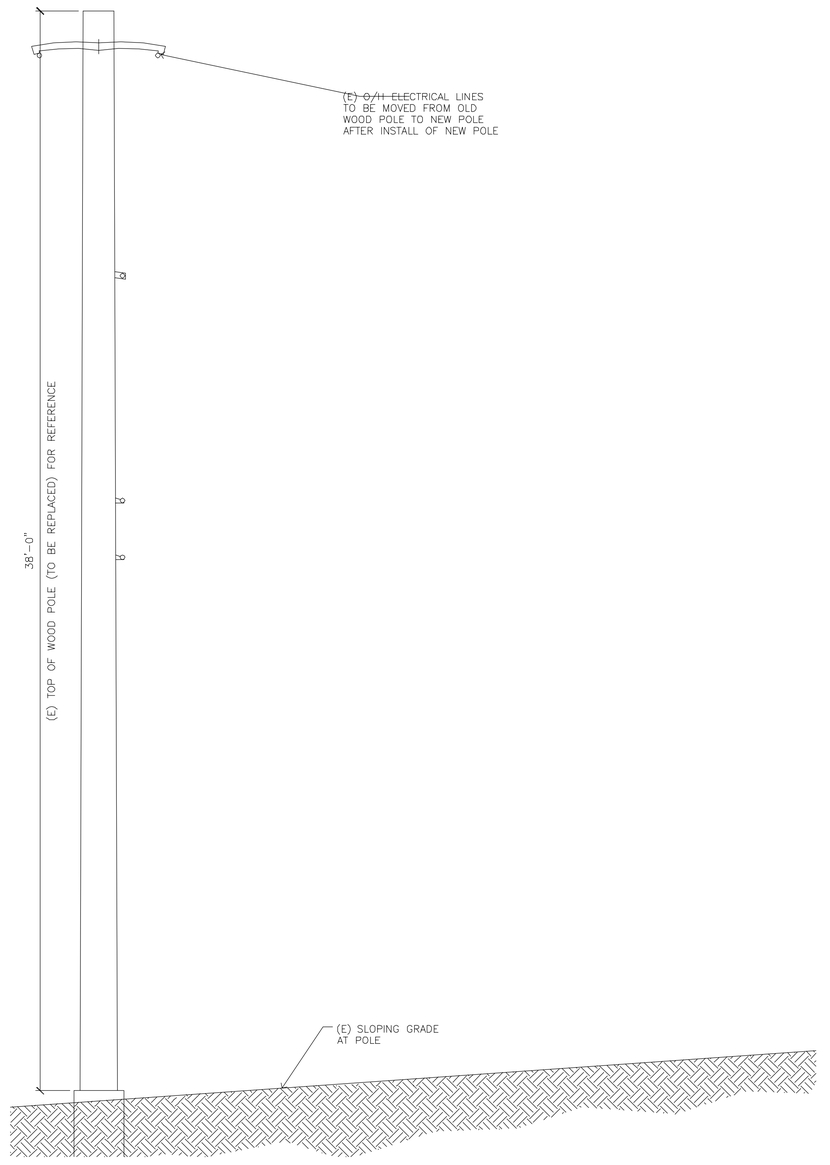
SHEET NUMBER

A-3



FULL SCALE 3/8"= 1'-0"
(22x34 SHEET ONLY)
3' 2' 1' 0 1' 2' 3' 6'
HALF SCALE 3/16"=1'-0"
(11x17 SHEET ONLY)

NEW WEST ELEVATION SCALE: 3/8" = 1'-0" 2



FULL SCALE 3/8"= 1'-0"
(22x34 SHEET ONLY)
3' 2' 1' 0 1' 2' 3' 6'
HALF SCALE 3/16"=1'-0"
(11x17 SHEET ONLY)

EXISTING WEST ELEVATION SCALE: 3/8" = 1'-0" 1

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

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP
RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST.
& RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT CERTIFICATE NO. 32874 STEVEN L. DEJONGE Date Signed 9/23/19 ARIZONA U.S.A.

EXPIRES 9-30-2019

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

PRELIMINARY UNLESS SIGNED

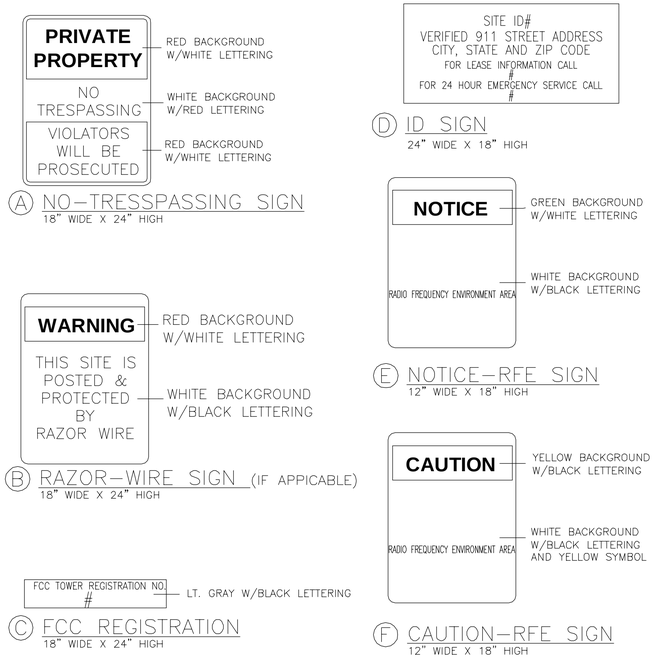
SDN

SHEET TITLE

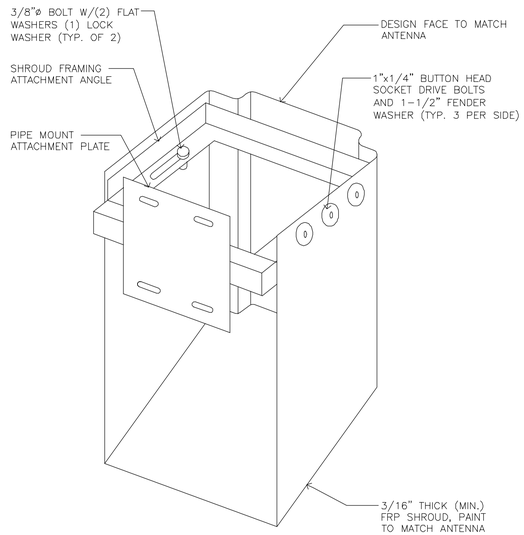
ELEVATIONS

SHEET NUMBER

A-3.1



TYPICAL SAFETY SIGN STANDARDS | 5



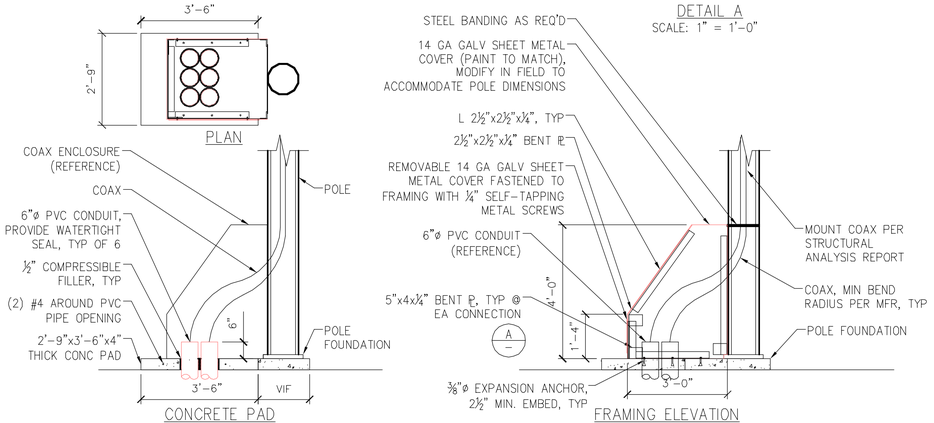
COAX SHROUD DETAIL | N.T.S. | 4

NEW ANTENNA CONFIGURATION TABLE

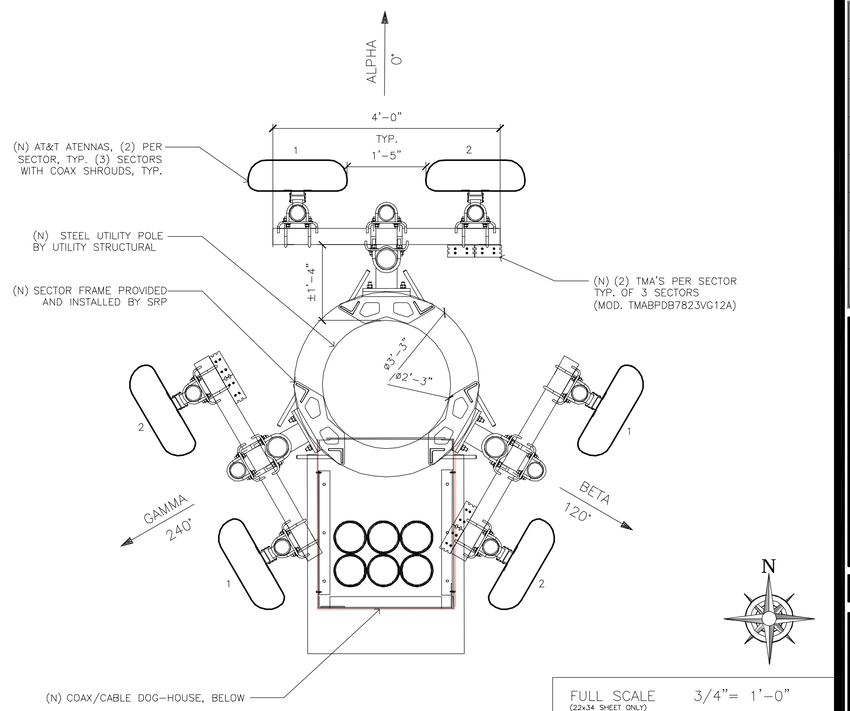
	POSITION (# OR N/A)	1	2	3	4
SECTOR A	ANTENNA	(N) KATHREIN 800-10964K 83.8lbs (59"x20"x6.9")	(N) KATHREIN 800-10964K 83.8lbs (59"x20"x6.9")		
	FEEDER LENGTH	±100FT CO-AX	±100FT CO-AX		
	AZIMUTH	0°	0°		
	RAD CENTER	43.0'	43.0'		
	TECHNOLOGY	OTHER	LTE 1900, LTE 700		
	TMA	N/A	(2) TMABPDB7823VG12A		
	RRH		Airscale Dual-band RRH4T4R B25/66 320W (AHFIB) B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA)		
SECTOR B	ANTENNA	(N) KATHREIN 800-10964K 83.8lbs (59"x20"x6.9")	(N) KATHREIN 800-10964K 83.8lbs (59"x20"x6.9")		
	FEEDER LENGTH	±100FT CO-AX	±100FT CO-AX		
	AZIMUTH	120°	120°		
	RAD CENTER	43.0'	43.0'		
	TECHNOLOGY	OTHER	LTE 1900, LTE 700		
	TMA	N/A	(2) TMABPDB7823VG12A		
	RRH		Airscale Dual-band RRH4T4R B25/66 320W (AHFIB) B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA)		
SECTOR C		(N) KATHREIN 800-10964K 83.8lbs (59"x20"x6.9")	(N) KATHREIN 800-10964K 83.8lbs (59"x20"x6.9")		
	FEEDER LENGTH	±100FT CO-AX	±100FT CO-AX		
	AZIMUTH	240°	240°		
	RAD CENTER	43.0'	43.0'		
	TECHNOLOGY	OTHER	LTE 1900, LTE 700		
	TMA	N/A	(2) TMABPDB7823VG12A		
	RRH		Airscale Dual-band RRH4T4R B25/66 320W (AHFIB) B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA)		

NOTE: FOR AIRSCALE DUAL B25/66 RRH'S UNUSED RF PORT CONNECTORS MUST HAVE A MIN. OF 2-WATT LOAD TERMINATOR INSTALLED WHICH ARE NOT PROVIDED WITH THE RADIO CEQ'S, IF NEEDED, THEY MUST BE ORDERED SEPARATELY

ANTENNA CONFIGURATION TABLE | N.T.S. | 2



DOG HOUSE DETAIL | 4



FULL SCALE 3/4"= 1'-0"
(22x34 SHEET ONLY)
1' 0 1' 2' 2.5'
HALF SCALE 1-1/2"=1'-0"
(11x17 SHEET ONLY)

ENLARGED ANTENNA LAYOUT | SCALE: 3/4" = 1'-0" | 1

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

BECHTEL INFRASTRUCTURE AND POWER CORPORATION
2075 W PINNACLE PEAK RD, SUITE 110
PHOENIX, AZ 85027
PHONE: (623) 282-3084

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040 602-426-9500

PROJECT: NEW SITE BUILD
SITE NO.: AZL04814
SITE NAME: SRP RIO VERDE-R.OW.
FA CODE: 14341433
USID: 193321
N.E. CORNER 136TH ST. & RIO VERDE RD.
SCOTTSDALE, AZ 85262

8	09/21/18	ZONING COMMENTS	SLD	ES
7	08/27/18	ADD POLE DIAMETER	SLD	ES
6	08/15/18	SRP & CLIENT CHANGES	SLD	ES
5	07/13/18	SRP & CLIENT CHANGES	SLD	TB
4	06/26/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
3	06/14/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
2	04/17/18	CLIENT CHANGE RFDS UPDATE	SLD	TB
1	03/19/18	CLIENT CHANGE ANTENNAS	SLD	TB

PROFESSIONAL SEAL

REGISTERED ARCHITECT CERTIFICATE NO. 32874 STEVEN L. DEJONGE Date Signed 9/27/19 ARIZONA U.S.A.

THIS DOCUMENT CONTAINS AN ELECTRONIC SIGNATURE PURSUANT TO A.R.S. TITLE 41 AND TITLE 44. IT IS A VIOLATION FOR ANY PERSON, UNLESS UNDER THE DIRECT SUPERVISION OF THE REGISTRANT, TO MODIFY THIS DOCUMENT IN ANY WAY.

PRELIMINARY UNLESS SIGNED

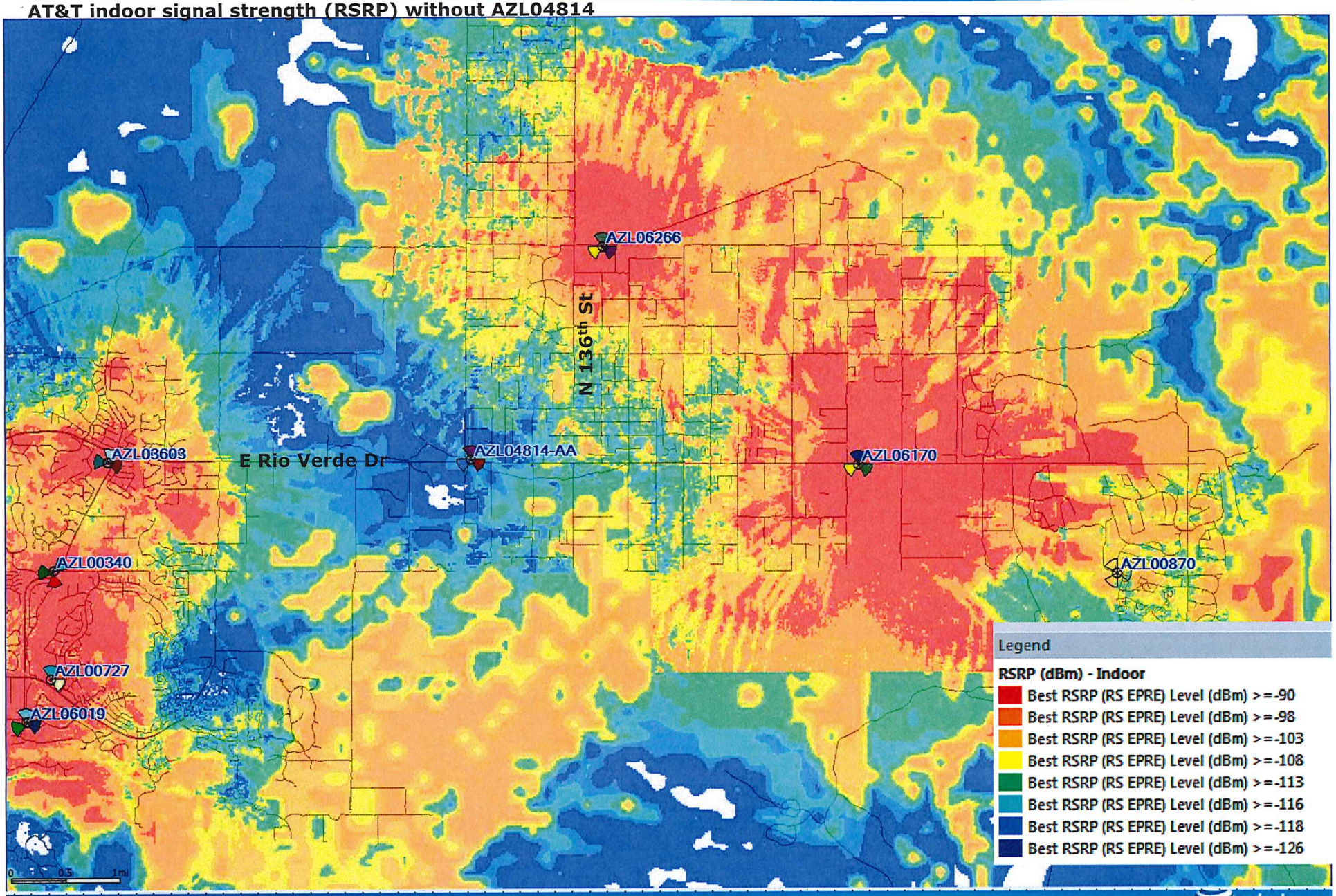
EXPIRES 9-30-2019

SDN

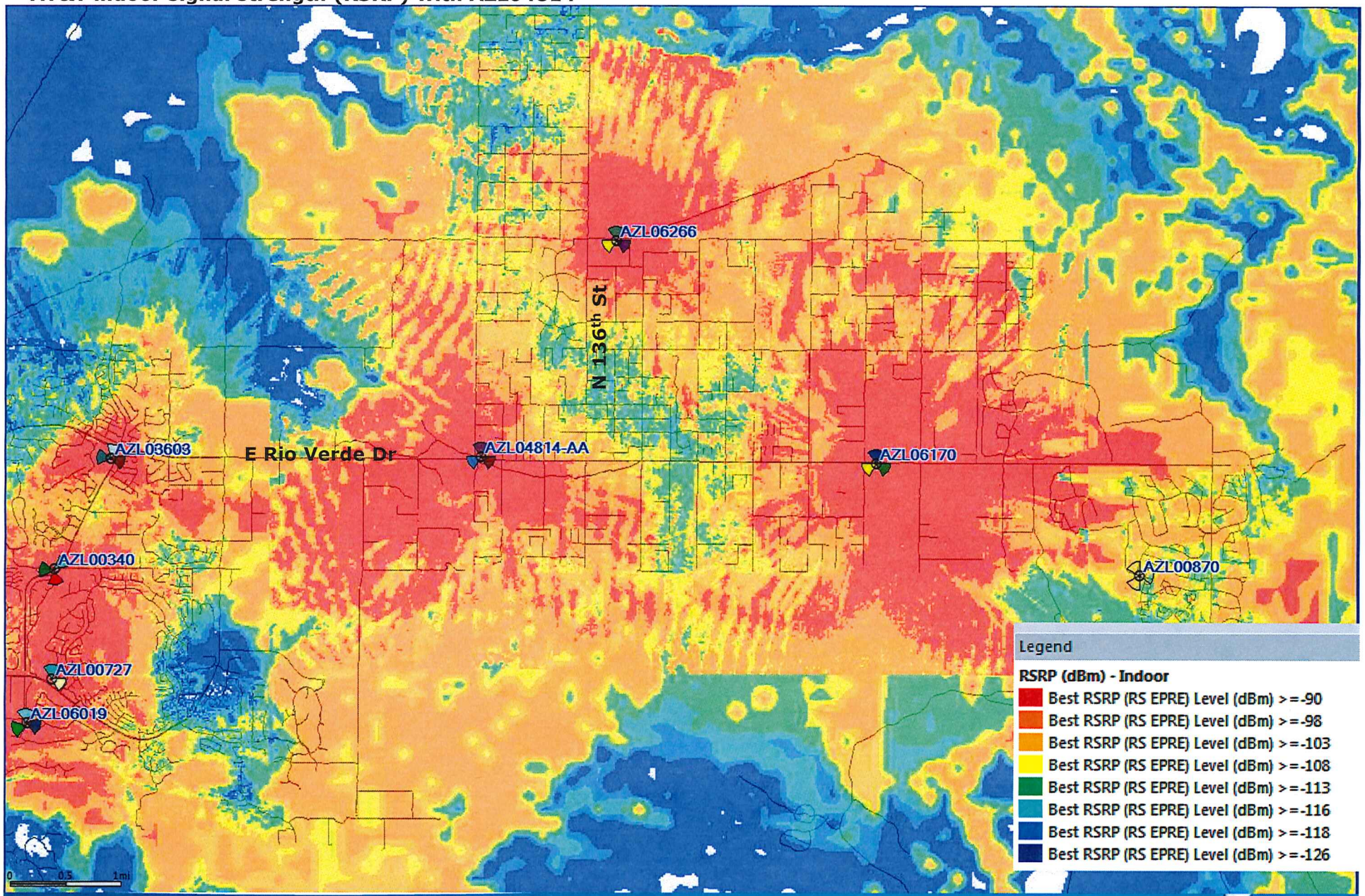
SHEET TITLE
ANTENNA LAYOUT & DETAILS

SHEET NUMBER
A-4

AT&T indoor signal strength (RSRP) without AZL04814

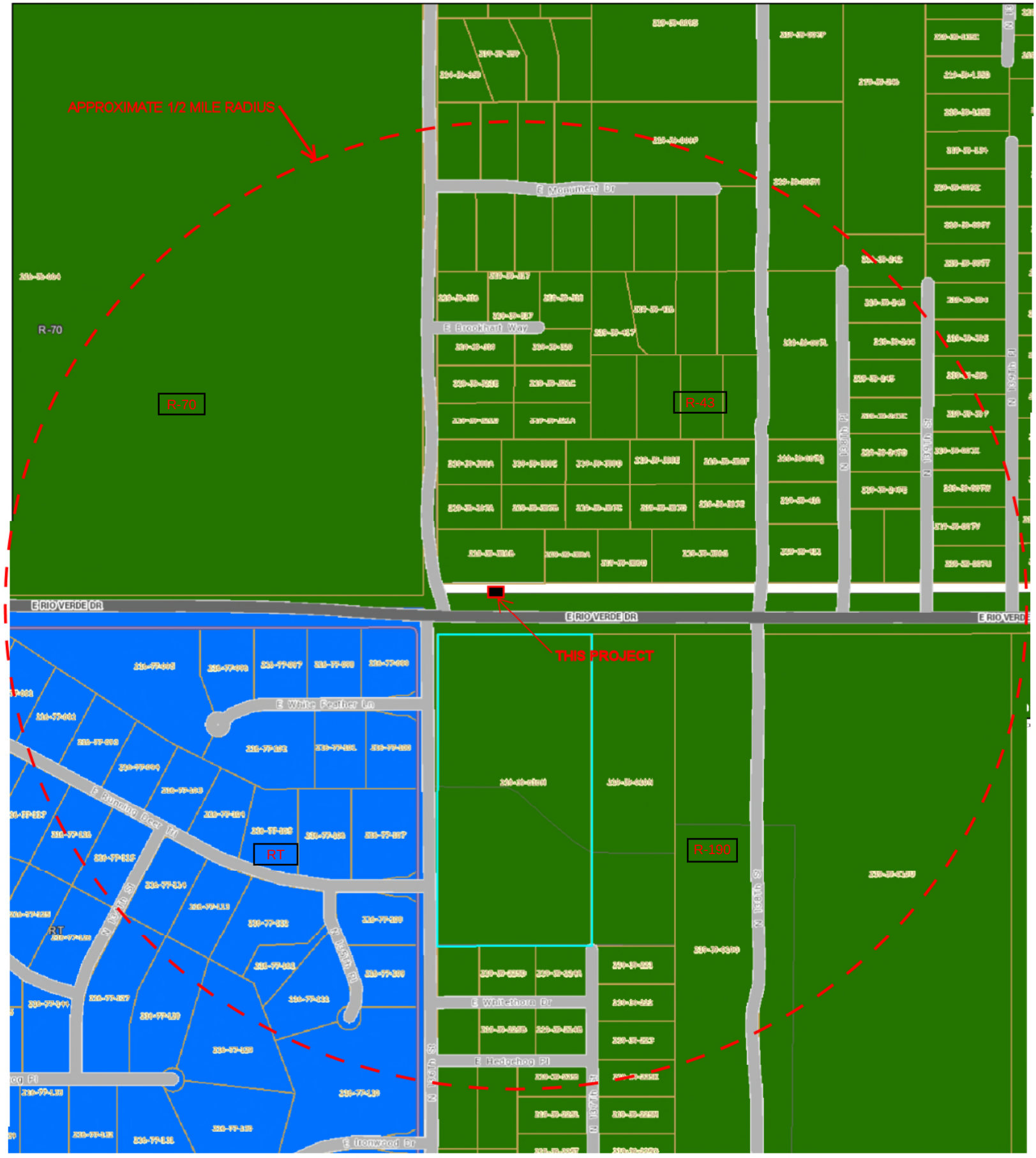


AT&T indoor signal strength (RSRP) with AZL04814

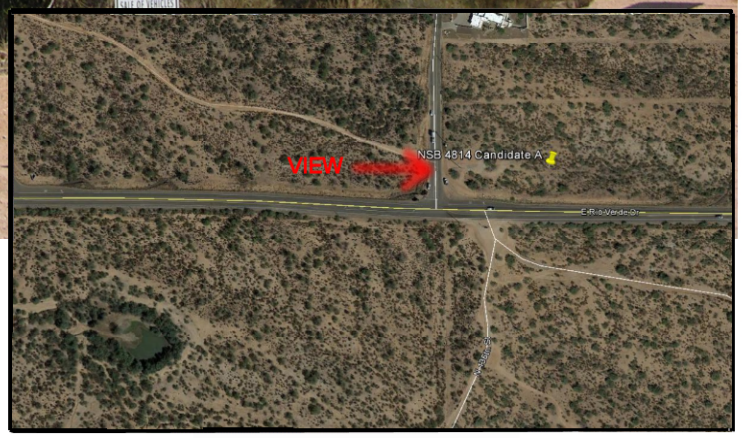


at&t

SINGLE FAMILY HALF MILE ZONING MAP



NORTH



VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

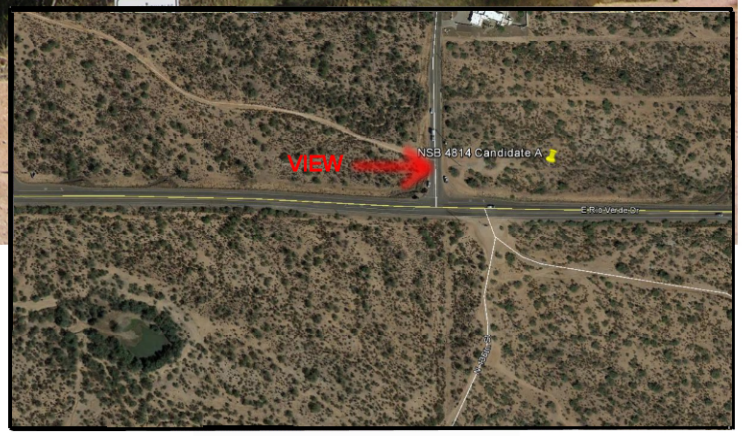
EXISTING VIEW LOOKING EAST

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t



VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

PROPOSED VIEW LOOKING EAST

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t

VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

EXISTING VIEW LOOKING NORTH

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t

VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

PROPOSED VIEW LOOKING NORTH

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t

VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

EXISTING VIEW LOOKING SOUTH

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t

VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

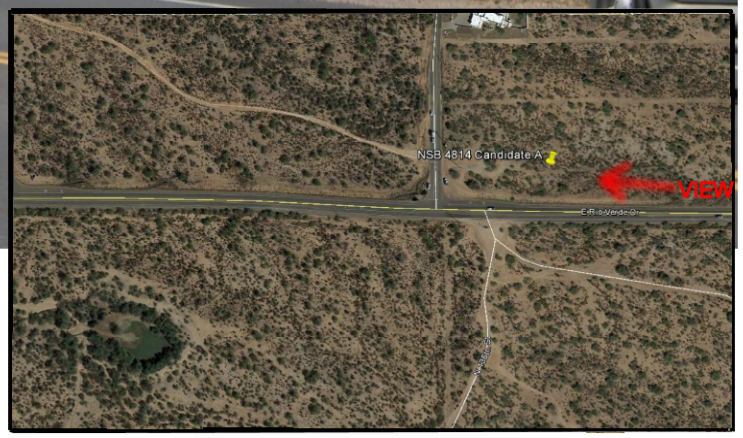
PROPOSED VIEW LOOKING SOUTH

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t



VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

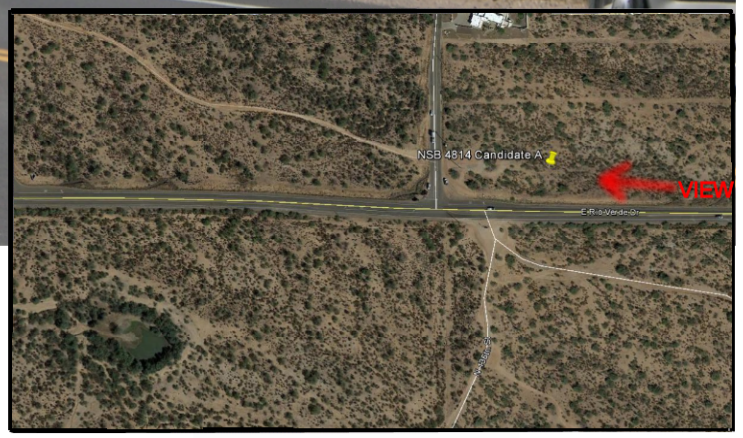
EXISTING VIEW LOOKING WEST

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t



VIEW ORIENTATION MAP

PREPARED 9/23/18 BY:

Clear Blue Services
4814 S. 35TH ST.
PHOENIX, AZ 85040

PROPOSED VIEW LOOKING WEST

NSB-4814
RIO VERDE RD.
SCOTTSDALE, AZ

PREPARED FOR:

BECHTEL INFRASTRUCTURE AND POWER CORPORATION

at&t

AT&T Radio Frequency Safety Survey Report Prediction (RFSSRP)

Site Name: SRP Rio Verde ROW
FA#: 14341433
USID: 193321
Site ID: AZL04814
Address: Northeast Corner 136th Street & Rio Verde
Scottsdale, Arizona 85262
County: Maricopa
Latitude: 33.741657
Longitude: -111.785798

M-RFSC Name: Ajay Sawant
Site Structure Type: Utility Pole
PACE#: MRANM019922/ MRANM022200
Prepared For: AT&T Mobility, LLC
c/o Bechtel Infrastructure and Power Corp.
2075 W. Pinnacle Peak Road, Suite 110
Phoenix, AZ 85027

Report Information:

Report Writer: Ian Burk
Report Date: October 24, 2018

CDs: NSB_4814_ZDS_REV 6_081518
RFDS: AZ-NM_ARIZONA_AZL04814_2019-New-Site_LTE_ac7856_3901A0DMA0_14341433_193321_10-25-2017_As-Built-In-Progress_v5.00

Compliance Statement:

AT&T Mobility Compliance Statement: Based on the information collected, AT&T Mobility will be Compliant with FCC Rules and Regulations at the nearest walking surface if recommendations in the Compliance Summary are implemented.

EBI Consulting
environmental | engineering | due diligence

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by AT&T Mobility, LLC to conduct radio frequency electromagnetic (RF-EME) modeling for AT&T Site AZL04814 located at Northeast Corner 136th Street & Rio Verde in Scottsdale, Arizona to determine RF-EME exposure levels from proposed AT&T wireless communications equipment at this site. As described in greater detail in Appendix A of this report, the Federal Communications Commission (FCC) has developed Maximum Permissible Exposure (MPE) Limits for general public exposures and occupational exposures. This report summarizes the results of RF-EME modeling in relation to relevant FCC RF-EME compliance standards for limiting human exposure to RF-EME fields.

This document addresses the compliance of AT&T's transmitting facilities independently and in relation to all collocated facilities at the site.

1.1 SITE SUMMARY

Existing Mitigation at the Site:

A site walk was not completed as part of the scope of this report. As such, existing mitigation is not known. The proposed mitigation in this report is based on the assumption that there is no existing mitigation at the site.

Recommended Mitigation at the Site:

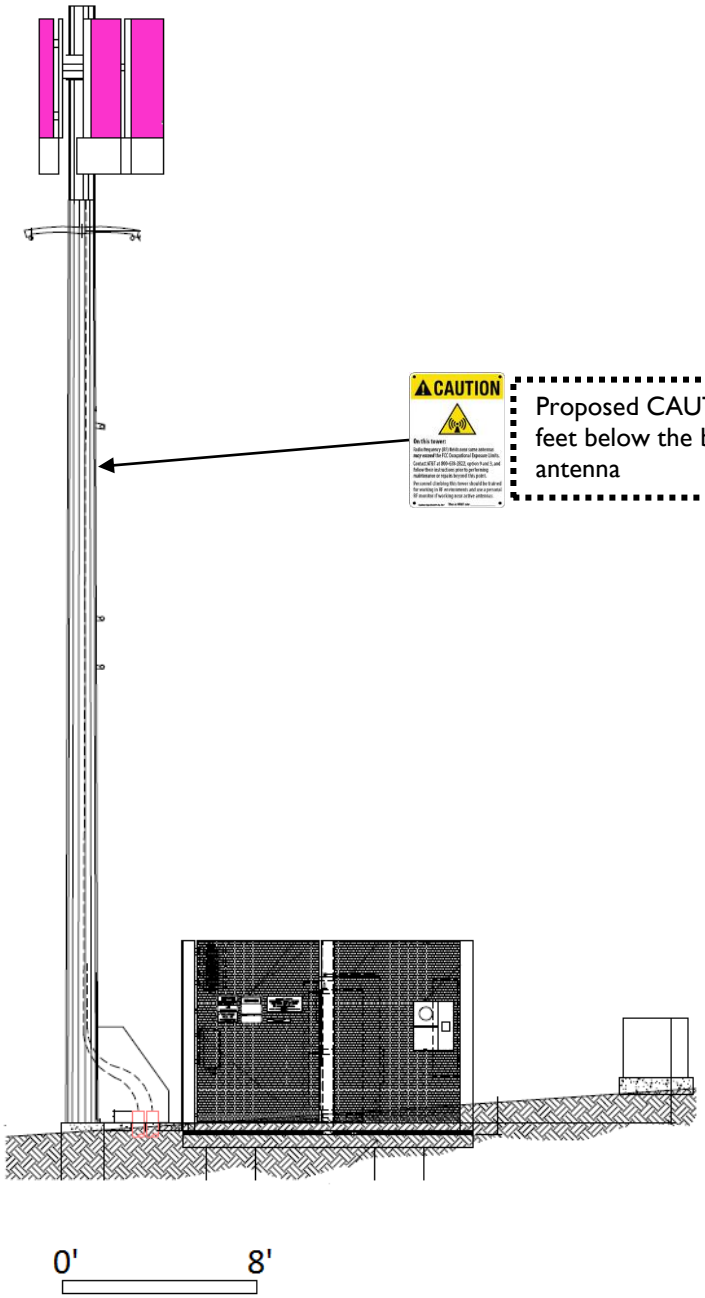
- Access Point(s):
    - To reduce the risk of exposure and/or injury, EBI recommends that access to the utility pole or areas associated with the active antenna installation be restricted and secured where possible.
    - Yellow CAUTION 2B sign2 posted 12 feet below the bottom of the antenna.
- Signage at AT&T Mobility Sectors:
    - A: No action required.
    - B: No action required.
    - C: No action required.
- Barriers at AT&T Mobility Sectors:
    - A: No action required.
    - B: No action required.
    - C: No action required.

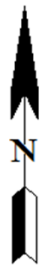
Predictive Modeling Results:

The maximum predictive power density generated by the antennas is approximately 1,464.80 percent of the FCC's general public limit (292.96 percent of the FCC's occupational limit) at the utility line level.

At ground level, the maximum predictive power density generated by the antennas is approximately 9.6 percent of the FCC's general public limit (1.92 percent of the FCC's occupational limit).

2.0 SIGNAGE AND MITIGATION PLAN





AT&T Antennas

Sign Identification Legend			
NOTICE	AT&T NOTICE DECAL Sign	CAUTION	AT&T CAUTION 2 – Rooftop Sign
NOTICE	AT&T NOTICE 2 Sign	CAUTION	AT&T CAUTION 2B – Tower Sign
WARNING	AT&T WARNING 2 Sign	CAUTION	AT&T CAUTION 2C – Parapet Sign

3.0 ANTENNA INVENTORY

Antenna #	Operator	Antenna Type	TX Freq (MHz)	# of TX	ERP (Watts)	Gain (dBd)	Antenna Model	Azimuth (deg.)	Length (feet)	Horizontal Beamwidth (Degrees)	X	Y	Z (utility line level)	Z (Ground)
ATT A2	AT&T	Panel	LTE 700	4	518.94	11.45	Kathrein 800-10964K	0	4.9	64.6	44	44	4.0	40.5
ATT A2	AT&T	Panel	LTE 700	4	518.94	11.45	Kathrein 800-10964K	0	4.9	64.6	44	44	4.0	40.5
ATT A2	AT&T	Panel	LTE 1900	4	1084.23	15.15	Kathrein 800-10964K	0	4.9	62.7	44	44	4.0	40.5
ATT A2	AT&T	Panel	LTE 1900	4	1084.23	15.15	Kathrein 800-10964K	0	4.9	62.7	44	44	4.0	40.5
ATT B2	AT&T	Panel	LTE 700	4	518.94	11.45	Kathrein 800-10964K	120	4.9	64.6	45	36	4.0	40.5
ATT B2	AT&T	Panel	LTE 700	4	518.94	11.45	Kathrein 800-10964K	120	4.9	64.6	45	36	4.0	40.5
ATT B2	AT&T	Panel	LTE 1900	4	1084.23	15.15	Kathrein 800-10964K	120	4.9	62.7	45	36	4.0	40.5
ATT B2	AT&T	Panel	LTE 1900	4	1084.23	15.15	Kathrein 800-10964K	120	4.9	62.7	45	36	4.0	40.5
ATT C2	AT&T	Panel	LTE 700	4	518.94	11.45	Kathrein 800-10964K	240	4.9	64.6	38	39	4.0	40.5
ATT C2	AT&T	Panel	LTE 700	4	518.94	11.45	Kathrein 800-10964K	240	4.9	64.6	38	39	4.0	40.5
ATT C2	AT&T	Panel	LTE 1900	4	1084.23	15.15	Kathrein 800-10964K	240	4.9	62.7	38	39	4.0	40.5
ATT C2	AT&T	Panel	LTE 1900	4	1084.23	15.15	Kathrein 800-10964K	240	4.9	62.7	38	39	4.0	40.5

• Note there is 1 AT&T antenna per sector at this site. For clarity, the different frequencies for each antenna are entered on separate lines.

4.0 WORST-CASE PREDICTIVE MODELING

In accordance with AT&T's RF Exposure policy, EBI performed theoretical modeling using RoofView® software to estimate the worst-case power density at the site utility line level and ground-level resulting from operation of the antennas.

For this report, EBI utilized antenna and power data provided by AT&T and compared the resultant worst-case MPE levels to the FCC's occupational/controlled exposure limits outlined in OET Bulletin 65.

The assumptions used in the modeling are based upon information provided by AT&T and information gathered from other sources. There are no other wireless carriers with equipment installed at this site.

Based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 11 feet of AT&T's Sector A, B, and C antennas on the utility line level. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 3 feet of AT&T's Sector A, B, and C antennas on the utility line level.

At the nearest walking/working surfaces to the AT&T antennas on the utility line level and ground, the maximum power density generated by the AT&T antennas is approximately 1,464.80 percent of the FCC's general public limit (292.96 percent of the FCC's occupational limit). Based on worst-case predictive modeling, there are no areas at ground/street level related to the proposed AT&T antennas that exceed the FCC's occupational or general public exposure limits at this site. At ground/street level, the maximum power density generated by the antennas is approximately 9.6 percent of the FCC's general public limit (1.92 percent of the FCC's occupational limit).

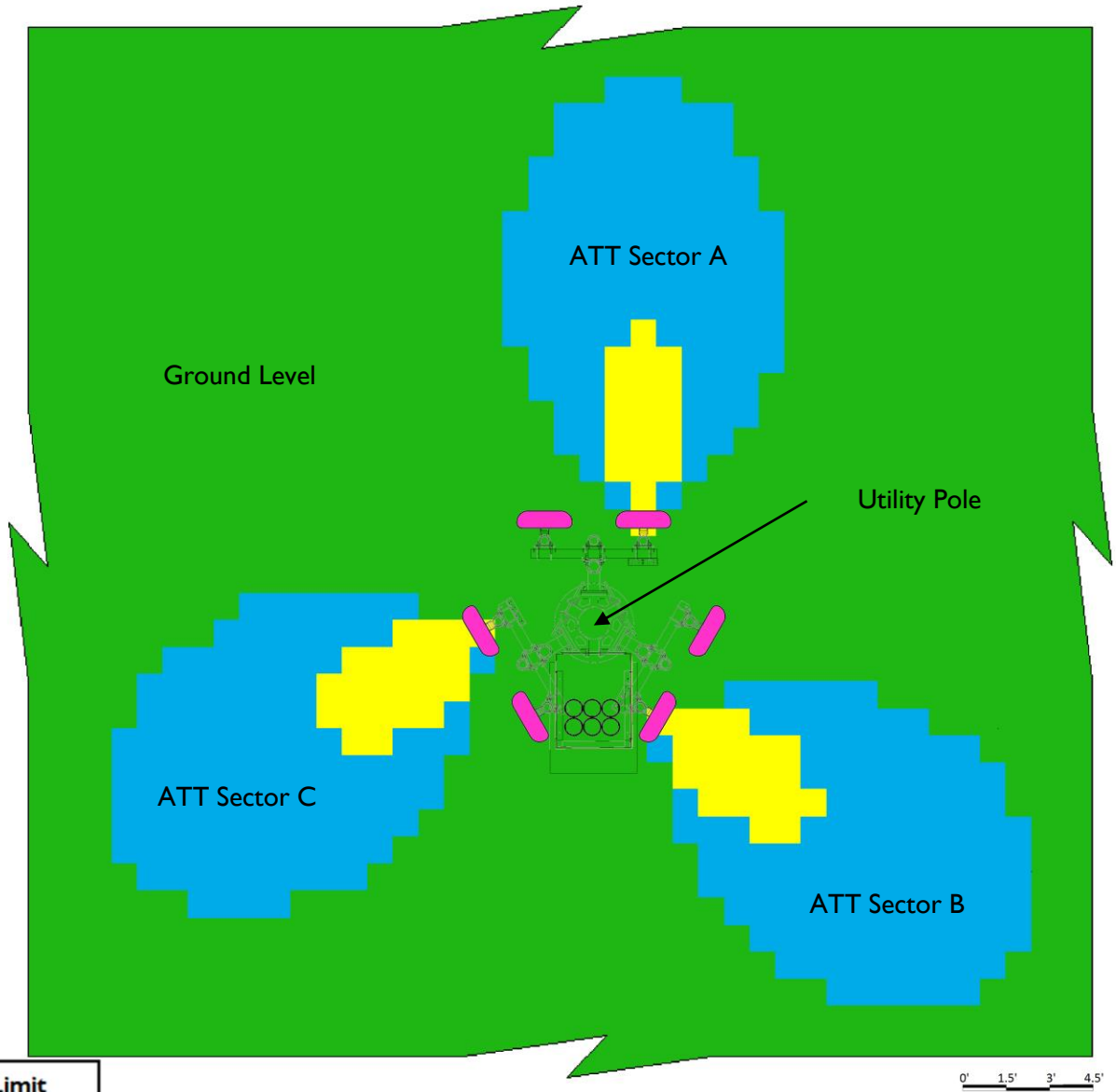
It should be noted that RoofView® is not suitable for modeling microwave dish antennas; however, these units are designed for point-to-point operations at the elevations of the installed equipment rather than ground-level coverage. Based on AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document, dated October 28, 2014, microwave antennas are considered compliant if they are higher than 20 feet above any accessible walking/working surface. There are no microwaves installed at this site.

Site Name: SRP Rio Verde ROW
Site FA: 14341433

EBI Project Number: 6218006831
6

Antenna Face Simulation

AT&T Antennas



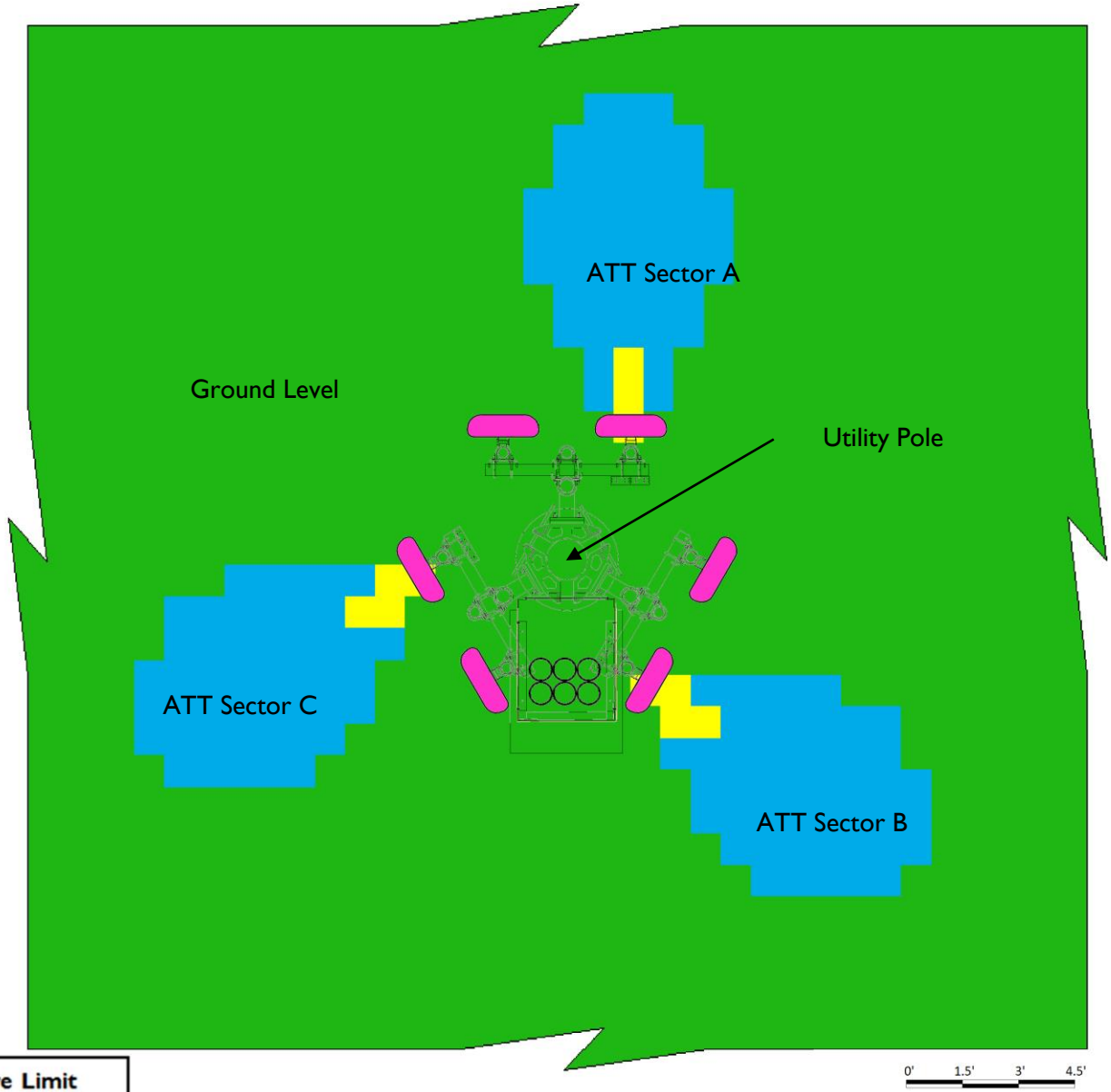
% FCC Public Exposure Limit
Exposure Level ≥ 5,000
500 < Exposure Level ≤ 5,000
100 < Exposure Level ≤ 500
Exposure Level ≤ 100

Site Name: SRP Rio Verde ROW
Site FA: 14341433

Utility Line Level Simulation

EBI Project Number: 6218006831
7

AT&T Antennas



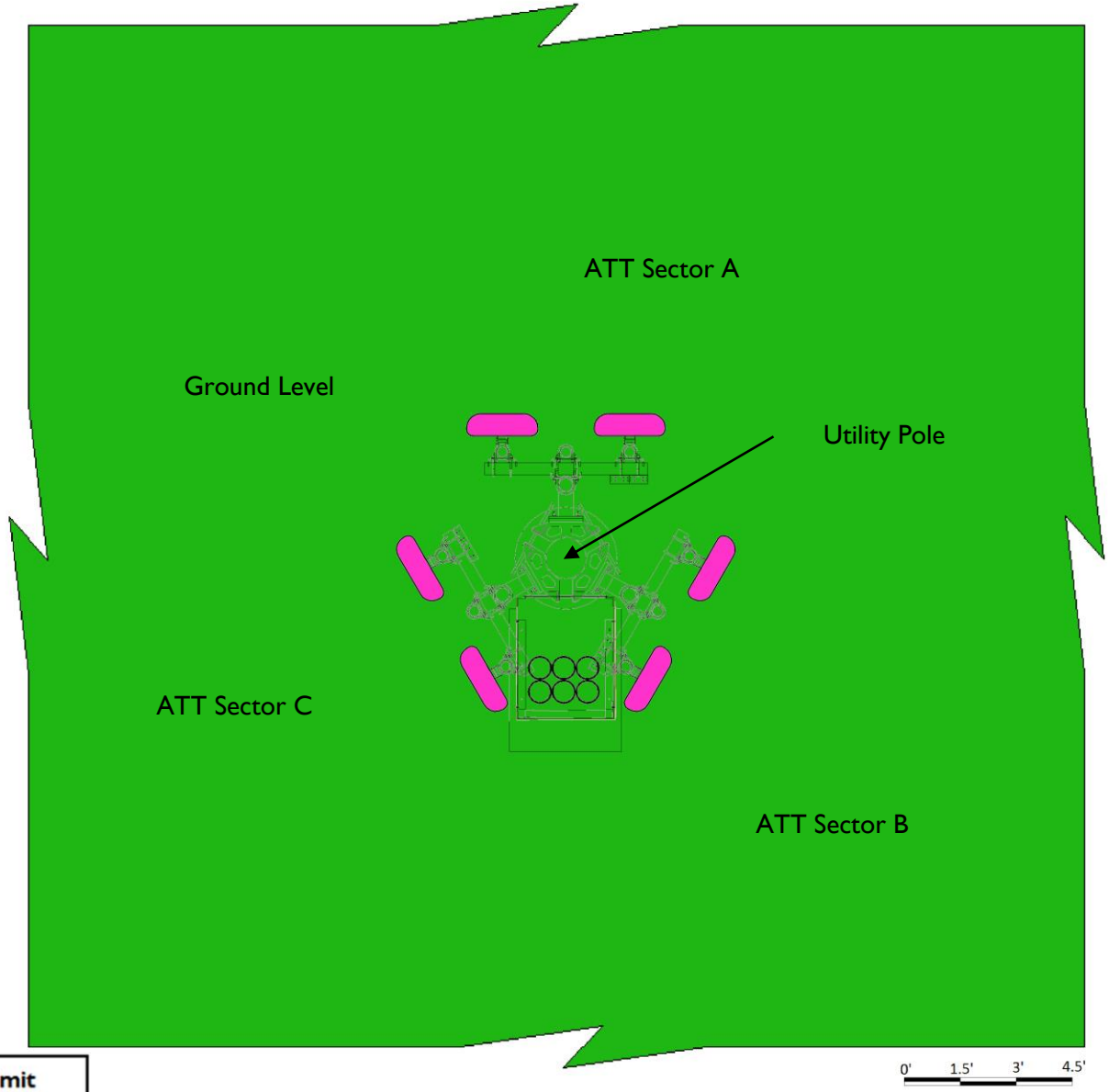
% FCC Public Exposure Limit
Exposure Level ≥ 5,000
500 < Exposure Level ≤ 5,000
100 < Exposure Level ≤ 500
Exposure Level ≤ 100

Site Name: SRP Rio Verde ROW
Site FA: 14341433

Ground Level Simulation

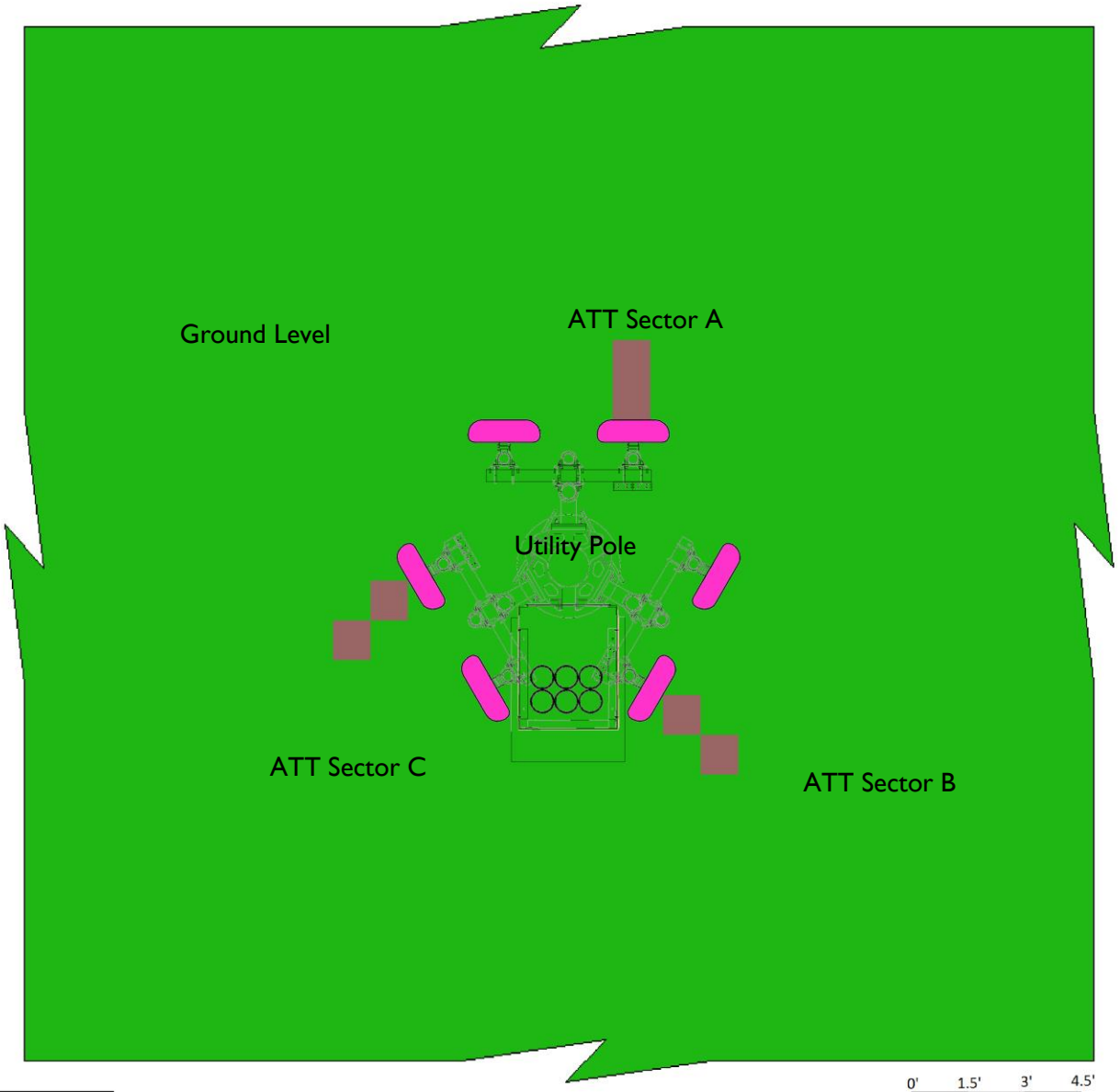
EBI Project Number: 6218006831
8

AT&T Antennas



% FCC Public Exposure Limit	
	Exposure Level ≥ 5,000
	500 < Exposure Level ≤ 5,000
	100 < Exposure Level ≤ 500
	Exposure Level ≤ 100

AT&T Antennas



% FCC Public Exposure Limit	
	Exposure Level > 5
	Exposure Level ≤ 5

Note that the areas shown in brown are where AT&T antennas contribute more than 5% of the FCC's general exposure RF limit. These do not overlap any areas in front of other carrier antennas exceeding the FCC's general exposure RF limit because there are no other carriers as shown in Figure 1. Under FCC regulations, AT&T is therefore not responsible for predicted exceedances of another carrier's antennas.

5.0 ROOFVIEW® EXPORT FILE

StartMapDefinition																			
Roof Max Y	Roof Max X	Map Max Y	Map Max X	Y Offset	X Offset	Number of Areas	envelope												
120	100	150	120	20	20	1	$AE$81:$D	$AE$81:$DZ$200											
StartSettingsData																			
Standard	Method	Uptime	Scale Factor	Low Thr	Low Color	Mid Thr	Mid Color	Hi Thr	Hi Color	Over Color	Ap Ht Mult	Ap Ht Method							
4	2	1	1	100	1	500	4	5000	2	3	1.5	1							
StartAntennaData		It is advisable to provide an ID (ant 1) for all antennas																	
		(MHz)	Trans	Trans	Coax	Coax	Other	Input	Calc			(ft)	(ft)	(ft)		(ft)	dBd	BWdth	Uptime	ON
ID	Name	Freq	Power	Count	Len	Type	Loss	Power	Power	Mfg	Model	X	Y	Z	Type	Aper	Gain	Pt Dir	Profile	flag
ATT A2	LTE	700	40	4	100	7/8 LDF	5.46		37.16379	Kathrein	800-10964K	44	44	4		4.92	11.45	64.6;0		ON•
ATT A2	LTE	700	40	4	100	7/8 LDF	5.46		37.16379	Kathrein	800-10964K	44	44	4		4.92	11.45	64.6;0		ON•
ATT A2	LTE	1900	40	4	100	7/8 LDF	5.46		33.12226	Kathrein	800-10964K	44	44	4		4.92	15.15	62.7;0		ON•
ATT A2	LTE	1900	40	4	100	7/8 LDF	5.46		33.12226	Kathrein	800-10964K	44	44	4		4.92	15.15	62.7;0		ON•
ATT B2	LTE	700	40	4	100	7/8 LDF	5.46		37.16379	Kathrein	800-10964K	45	36	4		4.92	11.45	64.6;120		ON•
ATT B2	LTE	700	40	4	100	7/8 LDF	5.46		37.16379	Kathrein	800-10964K	45	36	4		4.92	11.45	64.6;120		ON•
ATT B2	LTE	1900	40	4	100	7/8 LDF	5.46		33.12226	Kathrein	800-10964K	45	36	4		4.92	15.15	62.7;120		ON•
ATT B2	LTE	1900	40	4	100	7/8 LDF	5.46		33.12226	Kathrein	800-10964K	45	36	4		4.92	15.15	62.7;120		ON•
ATT C2	LTE	700	40	4	100	7/8 LDF	5.46		37.16379	Kathrein	800-10964K	38	39	4		4.92	11.45	64.6;240		ON•
ATT C2	LTE	700	40	4	100	7/8 LDF	5.46		37.16379	Kathrein	800-10964K	38	39	4		4.92	11.45	64.6;240		ON•
ATT C2	LTE	1900	40	4	100	7/8 LDF	5.46		33.12226	Kathrein	800-10964K	38	39	4		4.92	15.15	62.7;240		ON•
ATT C2	LTE	1900	40	4	100	7/8 LDF	5.46		33.12226	Kathrein	800-10964K	38	39	4		4.92	15.15	62.7;240		ON•
StartSymbolData																			
Sym	Map Marker	Roof X	Roof Y	Map Labe	Description (notes for this table only)														
Sym		5	35	AC Unit	Sample symbols														
Sym		14	5	Roof Access															
Sym		45	5	AC Unit															
Sym		45	20	Ladder															

6.0 COMPLIANCE SUMMARY

Based on the information collected, AT&T Mobility will be Compliant with FCC Rules and Regulations at the nearest walking surface if recommendations in the Compliance Summary are implemented.

The following mitigation measures are recommended for this site.

- **Access Point(s):**
    - To reduce the risk of exposure and/or injury, EBI recommends that access to the utility pole or areas associated with the active antenna installation be restricted and secured where possible.
    - Yellow CAUTION 2B sign posted 12 feet below the bottom of the antenna.
- **AT&T Mobility Sectors:**
    - **Sector A:**
        - No Action Required
    - **Sector B:**
        - No Action Required.
    - **Sector C:**
        - No Action Required

7.0 APPENDICES

Appendix A: FEDERAL COMMUNICATIONS COMMISSION (FCC) REQUIREMENTS

The FCC has established Maximum Permissible Exposure (MPE) limits for human exposure to Radiofrequency Electromagnetic (RF-EME) energy fields, based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general public/uncontrolled exposure limits for members of the general public.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general public/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General public/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Table 1 and Figure 1 (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a particular facility and are "time-averaged" limits to reflect different durations resulting from controlled and uncontrolled exposures.

The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm^2). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm^2) and an uncontrolled MPE of 1 $mW/cm2$ for equipment operating in the 1900 MHz frequency range. For the AT&T equipment operating at 850 MHz, the FCC's occupational MPE limit is 2.83 mW/cm^2 and an uncontrolled MPE limit of 0.57 mW/cm^2. For the AT&T equipment operating at 700 MHz, the FCC's occupational MPE limit is 2.33 mW/cm^2 and an uncontrolled MPE limit of 0.47 mW/cm^2. These limits are considered protective of these populations.

Table 1: Limits for Maximum Permissible Exposure (MPE)

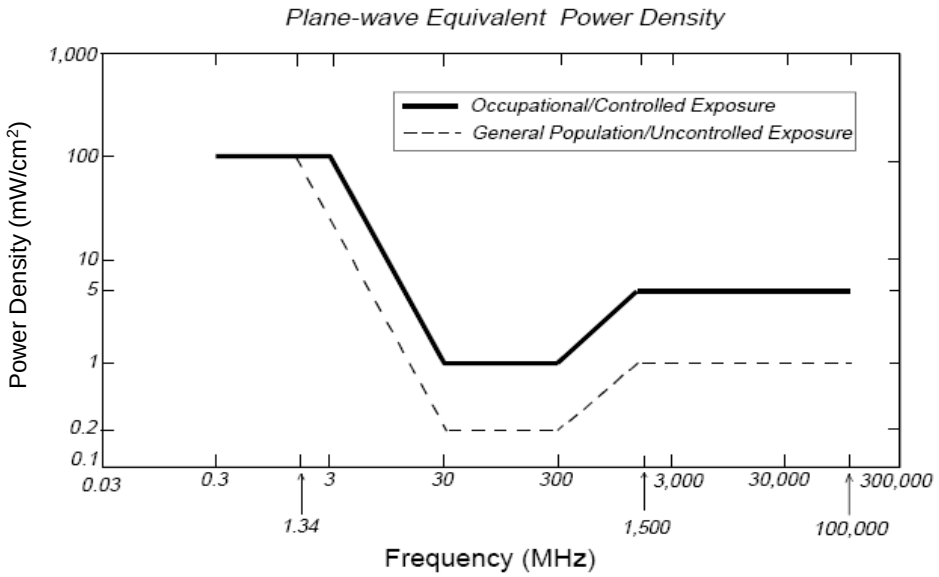
(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $[E]^2$, $[H]^2$, or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1,500	--	--	f/300	6

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)
* Plane-wave equivalent power density

Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)



Based on the above, the most restrictive thresholds for exposures of unlimited duration to RF energy for several personal wireless services are summarized below:

Personal Wireless Service	Approximate Frequency	Occupational MPE	Public MPE
Personal Communication (PCS)	1,950 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Cellular Telephone	870 MHz	2.90 mW/cm^2	0.58 mW/cm^2
Specialized Mobile Radio	855 MHz	2.85 mW/cm^2	0.57 mW/cm^2
Long Term Evolution (LTE)	700 MHz	2.33 mW/cm^2	0.47 mW/cm^2
Most Restrictive Freq, Range	30-300 MHz	1.00 mW/cm^2	0.20 mW/cm^2

MPE limits are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

Personal Communication (PCS) facilities used by AT&T in this area operate within a frequency range of 700-1900 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of areas directly in front of the antennas.

Appendix B: AT&T RF EXPOSURE POLICY REQUIREMENTS

AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document, dated October 28, 2014, requires that:

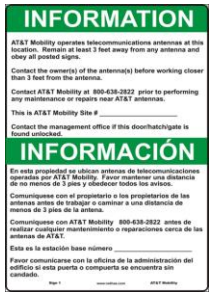
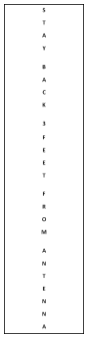
1. All sites must be analyzed for RF exposure compliance;
2. All sites must have that analysis documented; and
3. All sites must have any necessary signage and barriers installed.

Appendix C: AT&T Signage and Mitigation

Signs are the primary means for control of access to areas where RF exposure levels may potentially exceed the MPE. As presented in the AT&T guidance document, the signs must:

- Be posted at a conspicuous point;
- Be posted at the appropriate locations;
- Be readily visible; and
- Make the reader aware of the potential risks prior to entering the affected area.

The table below presents the signs that may be used for AT&T installations.

Informational Signs – No longer in Use		Alerting Signs	
	**INFO 1**		
		NOTICE 1	**NOTICE 2**
	**INFO 2**		
		NOTICE DECAL	
	**INFO 3**		
		CAUTION 2 – ROOFTOP	**CAUTION 2B - TOWER**
	**INFO 4**		
		CAUTION 2C - PARAPETS	**WARNING 2**

Appendix D: LIMITATIONS

This report was prepared for the use of AT&T Mobility, LLC to meet requirements outlined in AT&T's corporate RF safety guidelines. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by EBI are based solely on the information provided by the client. The observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

Appendix E: ROOFVIEW®

RoofView® is a widely-used predictive modeling program that has been developed by Richard Tell Associates to predict both near field and far field RF power density values for roof-top and tower telecommunications sites produced by vertical collinear antennas that are typically used in the cellular, PCS, paging and other communications services. The models utilize several operational specifications for different types of antennas to produce a plot of spatially-averaged power densities that can be expressed as a percentage of the applicable exposure limit.

Appendix F: CERTIFICATIONS

Preparer Certification

I, Ian Burk, state that:

- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.
- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified "occupational" under the FCC regulations.
- I am familiar with the FCC rules and regulations as well as OSHA regulations both in general and as they apply to RF-EME exposure.
- I have been trained in on the procedures outlined in AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document (dated October 28, 2014) and on RF-EME modeling using RoofView® modeling software.
- I have reviewed the data provided by the client and incorporated it into this Site Compliance Report such that the information contained in this report is true and accurate to the best of my knowledge.