PROJECT INFORMATION

NEW TELECOMMUNICATIONS FACILITY

SITE NO: AZL01390
SITE NAME: QUARTZ HILL

4702 N QUARTZ HILL PLACE
TUCSON, AZ 85750

PROJECT OWNER

at&t

SITE DEVELOPMENT

BECHTEL

PREPARED BY

ABN ENGINEERING

Looking North West Toward
Tower Location (Before)



PROJECT INFORMATION

NEW TELECOMMUNICATIONS FACILITY

SITE NO: AZL01390
SITE NAME: QUARTZ HILL

4702 N QUARTZ HILL PLACE
TUCSON, AZ 85750

PROJECT OWNER

at&t

SITE DEVELOPMENT

BECHTEL

PREPARED BY

ABN ENGINEERING

Looking North West Toward
Tower Location (After)



PROJECT INFORMATION

NEW TELECOMMUNICATIONS FACILITY

SITE NO: AZL01390
SITE NAME: QUARTZ HILL

4702 N QUARTZ HILL PLACE
TUCSON, AZ 85750

PROJECT OWNER

at&t

SITE DEVELOPMENT

BECHTEL

PREPARED BY

ABN ENGINEERING

LOCATION MAP



PROJECT INFORMATION

NEW TELECOMMUNICATIONS FACILITY

SITE NO: AZL01390
SITE NAME: QUARTZ HILL

4702 N QUARTZ HILL PLACE
TUCSON, AZ 85750

PROJECT OWNER

at&t

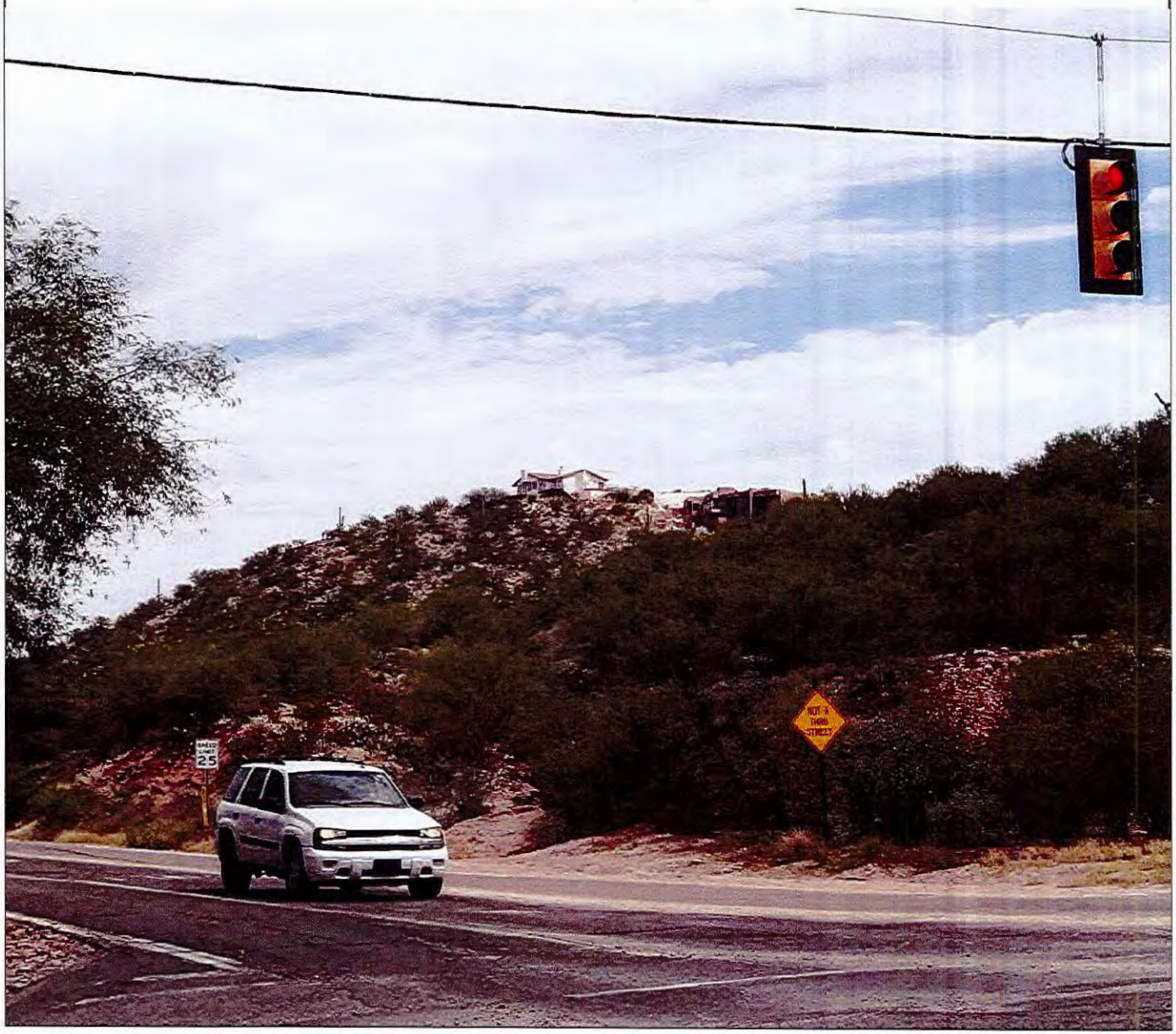
SITE DEVELOPMENT

BECHTEL

PREPARED BY

ABN ENGINEERING

Looking South East Toward
Tower Location (Before)



PROJECT INFORMATION

NEW TELECOMMUNICATIONS FACILITY

SITE NO: AZL01390
SITE NAME: QUARTZ HILL

4702 N QUARTZ HILL PLACE
TUCSON, AZ 85750

PROJECT OWNER

at&t

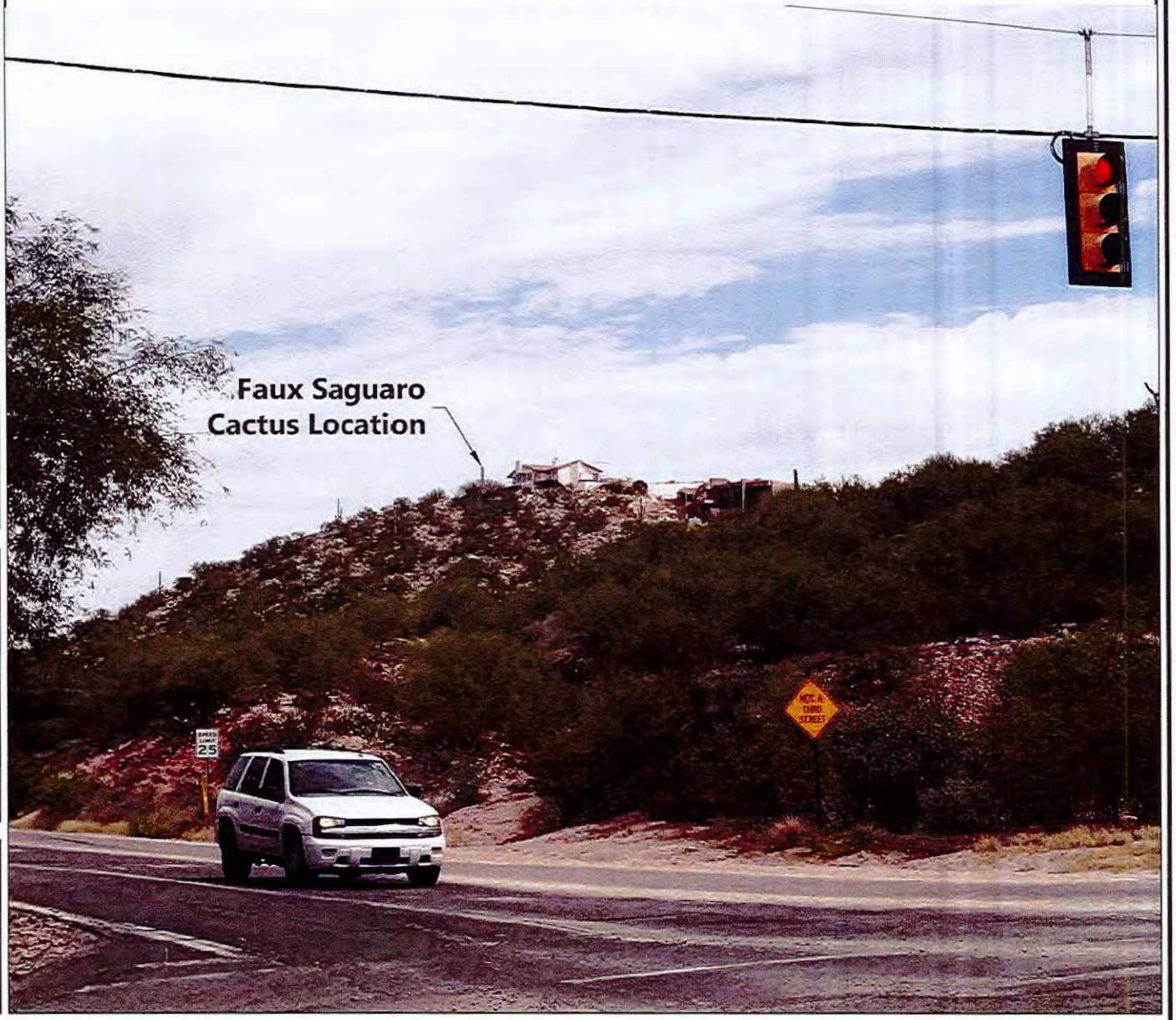
SITE DEVELOPMENT

BECHTEL

PREPARED BY

ABN ENGINEERING

Looking South East Toward
Tower Location (After)



CONSULTANT TEAM

CLIENT REPRESENTATIVE:
BECHTEL INFRASTRUCTURE & POWER CORPORATION
2601 S. 37TH STREET, SUITE 200.
PHOENIX, AZ 85034
PHONE: (623) 282-3015
CONTACT: STEVE OLSON
EMAIL: stolson@bechtel.com

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
LIN PAUL PAO-HONG
4013 N OCOTILLO CANYON DR
TUCSON, AZ 85750

A & E
ABN ENGINEERING
1337 EAST DESERT FLOWER LANE
PHOENIX, AZ 85048
CONTACT: SANDEEP A. MANE, PE
PHONE: (480) 213-8524
E-MAIL: SMANE@ABNENG.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:	PROPERTY OWNER LIN PAUL PAO-HONG 4013 N OCOTILLO CANYON DR TUCSON, AZ 85750			
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:	NEW FAUX SAGUARO CACTUS			
EXISTING SITE TYPE:	WIRELESS COMMUNICATIONS FACILITY			
APN	114-18-004B			
LATITUDE:	SECTOR A & C 32° 17' 34.5832" N 32.292939°	SECTOR B	32° 17' 33.9072" N 32.292752°	
LONGITUDE:	SECTOR A & C 110° 49' 08.1432" W -110.818373°1	SECTOR B	110° 49' 05.7648" W -110.818268°	
ELEVATION:	SECTOR A & C ±2,923.4'	SECTOR B	±2,923.5'	
USE CODE:	TBD			
CONSTRUCTION TYPE:	V-B			
PROPOSED LEASE AREA:	±260 SQ. FT			
PROPOSED OCCUPANCY:	UNMANNED TELECOMMUNICATIONS FACILITY			
EXISTING OCCUPANCY:	UNMANNED TELECOMMUNICATIONS FACILITY			
JURISDICTION:	PIMA COUNTY			
ELECTRICAL PROVIDER:	TUCSON ELECTRIC POWER (TEP)			

AT&T

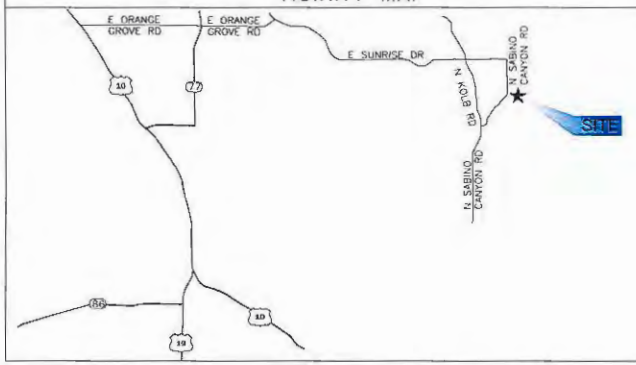
PROJECT: NEW SITE BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572
4702 NORTH QUARTZ HILL PLACE
TUCSON, AZ 85750

DRIVING DIRECTIONS

DIRECTIONS:

DEPARTING THE AT&T OFFICE AT 1355 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 THE LEFT.

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 NAME:
AZ_NM_ARIZONA_AZL01390_1C_2C_3C_4C_2019_New_Site_LTE_oc7856_3001A0HDHQ_14615735_217572_09_12_2018_As_Built_In_Progress_v4.00
REVISION: -
VERSION: 4.00
RFDS DATE: 09/12/2018 UPDATED BY AC7856 ON 11/09/2018 05:30:35 PM

SUMMARY OF EQUIPMENT:

NUMBER OF SECTORS	3
NUMBER OF ANTENNAS	3
NUMBER OF TMA'S	6
NUMBER OF RRH'S	6
NUMBER OF FIBER OPTIC CABLES (JUMPERS)	1
NUMBER OF DC CABLES (JUMPERS)	0
NUMBER OF COAX CABLES	0
NUMBER OF FIBER/DC SQUIDS	1
NUMBER OF DC ONLY SQUIDS	1
NUMBER OF FIBER TRUNK CABLES	1
NUMBER OF DC TRUNK CABLES	2
NUMBER OF TRIPLEXER	6

APPROVALS

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

PROJECT DESCRIPTION

GROUND SCOPE
INSTALL NEW EQUIPMENTS IN AN EXISTING VACANT EQUIPMENT (EMPTY) ROOM THAT INCLUDED THE FOLLOWING:

- (1) NEW VERTIV POWER PLANT W/ (12) ENERSYS POWER SAFE BATTERIES. (1) COMMUNICATION RACKS & (1) LTE FIF RACK
- REMOVE EXISTING (2) HVAC UNITS & INSTALL (1) NEW 5 TON WALLED-MOUNT WITH (1) NEW WAC SYSTEM FOR THE HVAC UNITS
- REMOVE (1) EXISTING DISCONNECT AND INSTALL (1) NEW DISCONNECT SERVICE
- RE-USE EXISTING AC BREAKER PANEL
- INSTALL (6) NEW TPO-697136-x-T2 TWIN TRIPLEXERS
- INSTALL (3) NEW B12/B14 Airscale Dual-band RRH 4T4R 320W AHLBA, (2) PER SECTOR
- INSTALL (3) NEW B25/B66 Airscale Dual RRH 4T4R 320W AHFIB (2) PER SECTOR
- INSTALL NEW LTE FSM, RAYCAP DC12-48-60-RM AND FIBER TRAY IN NEW LTE FIF RACK

TOWER SCOPE - CACTUS #1 - SECTOR A AND B

- INSTALL (1) NEW 30'-0" TALL FAUX SAGUARO CACTUS WITHOUT ARMS
- INSTALL (2) NEW ACE XXQLH-654L8H8-NT ANTENNAS, (1) PER SECTOR
- INSTALL (4) NEW TMAT192123B68-21 TMA, (2) PER SECTOR
- INSTALL (8) 1-5/8" COAX IN (4) NEW 6" CONDUITS
- INSTALL (2) NEW 1/2" RET CABLE, (1) PER SECTOR

TOWER SCOPE - CACTUS #2 - SECTOR C

- INSTALL (1) NEW 30'-0" TALL FAUX SAGUARO CACTUS WITH ARMS
- INSTALL (1) NEW ACE XXQLH-654L8H8-NT ANTENNAS, (1) PER SECTOR
- INSTALL (2) NEW TMAT192123B68-21 TMA, (2) PER SECTOR
- INSTALL (4) 1-5/8" COAX IN (2) NEW 6" CONDUITS
- INSTALL (1) NEW 1/2" RET CABLE, (1) PER SECTOR

ELECTRICAL SCOPE (SHOW BREAKER LIST)

- 50A BREAKER - B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA) (3) TOTAL
- 50A BREAKER - Airscale Dual RRH 4T4R B25/66 320W AHFIB (3) TOTAL
- 20A BREAKER - LTE FSM4, (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	SITE SURVEY
A-1	OVERALL SITE PLAN
A-2	EXISTING ENLARGED SITE PLAN
A-3	NEW ENLARGED SITE PLAN
A-4	ANTENNA LAYOUT
A-5	SITE ELEVATION
A-6	SITE ELEVATION

JURISDICTIONAL APPROVAL

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

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

PROJECT: NEW BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572

4702 NORTH QUARTZ HILL PLACE
TUCSON, AZ 85750
PIMA COUNTY

2	11/29/18	REVISED FOR COMMENTS	JN	SAM
1	11/26/18	REVISED FOR COMMENTS	JN	SAM
0	11/20/18	ISSUED FOR APPROVAL	JN	SAM
B	11/03/18	REVISED FOR COMMENTS	JN	SAM
A	10/29/18	90% ZD	JN	SAM

PROFESSIONAL SEAL

SDN

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

Copyright ©ABN Engineering (ABN), 2018. This document is proprietary work of the Engineering performers referenced herein and may be used on a specific project. It cannot be used, disclosed or reproduced in any form or other written consent. Only our customer has the right to use the information contained in the document for construction purposes of this project up to 12 months from said A/E signed date on this document. The user agrees to indemnify, defend & hold harmless ABN & their officers, directors, subsidiaries, agents, subcontractors & employees from all claims, suits, liability, demands, judgments, or expenses arising from or related to the use or re-use of the electronic files. All rights reserved.

LEGEND

APN	ASSESSORS PARCEL NUMBER
FND	FOUND
(C)	CALCULATED
(R)	RECORD
(M)	MEASURED
R.O.W.	RIGHT OF WAY
R.L.S.	REGISTERED LAND SURVEYOR
PCR	PINAL COUNTY RECORDER
P.U.E.	PUBLIC UTILITY EASEMENT
SQ. FT.	SQUARE FEET
BK. PG.	BOOK AND PAGE
●	FND BRASS CAP IN HAND HOLE
☎	TELEPHONE PEDESTAL
———	PROPERTY LINE
—— - ——	CENTER LINE
— — — —	RIGHT OF WAY LINE
— — — —	EASEMENT LINE
- - - - -	ASSESSOR'S PARCEL LINE
—— E ——	UNDERGROUND ELECTRIC LINE
—— FO ——	UNDERGROUND FIBER OPTIC LINE

DATE SURVEYED

08/30/2018

BASIS OF BEARINGS AND BENCHMARK

1. ELEVATIONS SHOWN HEREON ARE REPRESENTED IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ESTABLISHED FROM GPS DERIVED ELLIPSOID HEIGHTS, APPLYING GEOID 12B SEPARATIONS CONSTRAINING TO NGS CORS STATIONS.
2. BEARINGS SHOWED HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS.

SURVEY NOTES

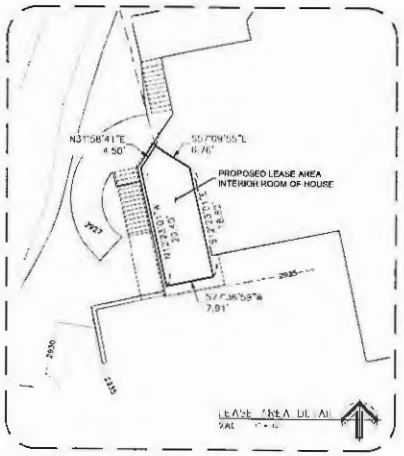
1. REFERENCE IS MADE TO CONDITION OF TITLE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, TITLE NO.: AZ-FCOP-IMP-N/A-1-18-5100B891, DATED: AUGUST 31, 2018 AT 7:30 A.M.
2. SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE.
3. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

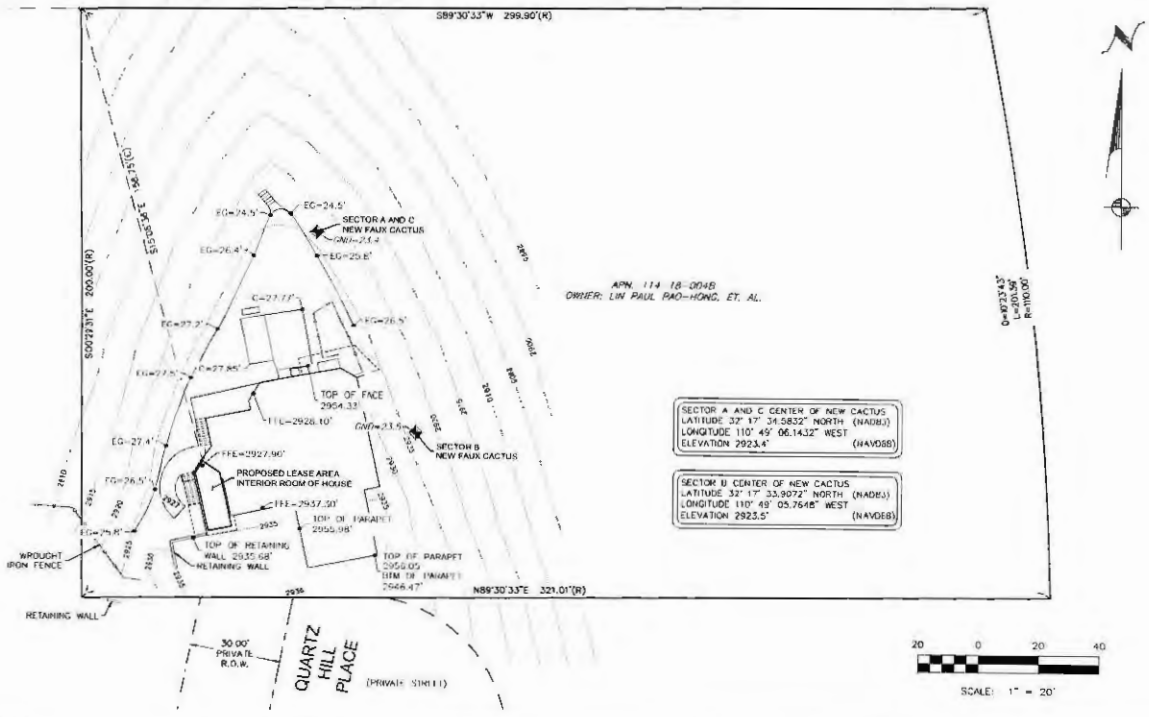
UTILITY NOTES

1. UNDERGROUND UTILITIES AS SHOWN ARE BASED ON BLUESTAKE AND PRIVATE LOCATOR MARKS PERFORMED BY OTHERS.
2. SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE 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.

REFERENCE DOCUMENTS

BOOK 15 OF MAPS AND PLATS, PAGE 5 PCR
BOOK 24 OF MAPS AND PLATS, PAGE 67 PCR





OWNERS PARCEL LEGAL DESCRIPTION

PARCEL 1

ALL OF THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 13 SOUTH, RANGE 15 EAST, GILA AND SALT RIVER BASE AND MERIDIAN, PIMA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTERLINE INTERSECTION OF SNYDER ROAD AND ROCKCLIFF ROAD AS SHOWN ON THE PLAT OF HIDDEN VALLEY LOTS 52 THROUGH 117, A SUBDIVISION OF PIMA COUNTY, ARIZONA, ACCORDING TO THE MAP OR PLAT THEREOF OF RECORD IN THE OFFICE OF THE COUNTY RECORDER OF PIMA COUNTY, ARIZONA IN BOOK 15 OF MAPS AND PLATS, AT PAGE 5 THEREOF;
THENCE SOUTH 1 DEGREES 05 MINUTES 56 SECONDS WEST ALONG THE CENTERLINE OF SAID ROCKCLIFF ROAD, A DISTANCE OF 182.18 FEET TO A POINT OF CURVATURE;
THENCE SOUTHERLY ALONG THE CENTERLINE OF SAID ROCKCLIFF ROAD AROUND A CURVE TO THE LEFT WHOSE RADIUS IS 150.00 FEET, A DISTANCE OF 94.26 FEET TO A POINT OF REVERSE CURVATURE;
THENCE SOUTHERLY ALONG THE CENTERLINE OF SAID ROCKCLIFF ROAD, AROUND A CURVE TO THE RIGHT WHOSE RADIUS IS 1140.00 FEET, A DISTANCE OF 167.68 FEET TO A POINT;
THENCE SOUTH 78 DEGREES 46 MINUTES 33 SECONDS WEST, ALONG A RADIAL LINE, A DISTANCE OF 30.00 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF SAID ROCKCLIFF ROAD, SAID POINT BEING THE TRUE POINT OF BEGINNING;
THENCE WEST, A DISTANCE OF 299.68 FEET TO A POINT;
THENCE SOUTH, A DISTANCE OF 200.00 FEET TO A POINT;
THENCE EAST, A DISTANCE OF 320.80 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF SAID ROCKCLIFF ROAD;
THENCE NORTHERLY ALONG THE WESTERLY RIGHT OF WAY OF SAID ROCKCLIFF ROAD, A DISTANCE OF 201.39 FEET TO A POINT, SAID POINT BEING THE TRUE POINT OF BEGINNING.

PARCEL 2

AN EASEMENT FOR INGRESS AND EGRESS OVER A PORTION OF THAT CERTAIN REAL PROPERTY DESCRIBED IN DOCKET 9202, AT PAGE 1551, RECORDS OF PIMA COUNTY, ARIZONA, SAID REAL PROPERTY BEING A PART OF QUARTZ HILL PLACE AS SHOWN ON THE SUBDIVISION PLAT OF ROCKCLIFF, BOOK 24, PAGE 67, MAPS AND PLATS, RECORDS OF PIMA COUNTY, ARIZONA, SAID PORTION BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST RIGHT-OF-WAY LINE OF SAID QUARTZ HILL PLACE AS SHOWN ON SAID PLAT, FROM WHICH SAID POINT THE SOUTHEAST CORNER OF LOT 47 AS SHOWN ON SAID PLAT BEARS SOUTH 81 DEGREES 30 MINUTES 00 SECONDS WEST 30.00 FEET DISTANT;
THENCE FROM SAID POINT OF BEGINNING, NORTHERLY ALONG SAID RIGHT OF WAY LINE AND THE WEST BOUNDARY OF THAT REAL PROPERTY DESCRIBED IN SAID DOCKET 9202, PAGE 1551, NORTH 11 DEGREES 30 MINUTES 00 SECONDS EAST, A DISTANCE OF 105.00 FEET TO THE POINT OF INTERSECTION WITH THE WESTERLY PROLONGATION OF THE NORTH LINE OF LOT 49 AS SHOWN ON SAID PLAT, SAID LINE ALSO BEING THE NORTHERLY BOUNDARY OF THAT REAL PROPERTY DESCRIBED IN SAID DOCKET 9202, PAGE 1551;
THENCE EASTERLY ALONG SAID LINE, NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST A DISTANCE OF 25.00 FEET TO A POINT THEREON;
THENCE LEAVING SAID LINE SOUTH 6 DEGREES 54 MINUTES 56 SECONDS WEST A DISTANCE OF 69.85 FEET TO A POINT ON THE CENTERLINE OF SAID QUARTZ HILL PLACE;
THENCE SOUTH 5 DEGREES 45 MINUTES 39 SECONDS WEST A DISTANCE OF 50.00 FEET TO A POINT ON THE SOUTH BOUNDARY OF SAID REAL PROPERTY DESCRIBED IN SAID DOCKET 9202, PAGE 1551;
THENCE NORTH 78 DEGREES 30 MINUTES 00 SECONDS WEST A DISTANCE OF 5.00 FEET TO A POINT ON SAID CENTERLINE;
THENCE CONTINUE ALONG SAID SOUTH BOUNDARY NORTH 63 DEGREES 8 MINUTES 30 SECONDS WEST A DISTANCE OF 31.44 FEET TO THE POINT OF BEGINNING.

LEASE AREA LEGAL DESCRIPTION

A PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 21, TOWNSHIP 13 SOUTH, RANGE 15 EAST, GILA AND SALT RIVER BASE AND MERIDIAN, PIMA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND REBAR AT THE NORTHWEST CORNER OF THAT CERTAIN PARCEL DESCRIBED IN INSTRUMENT NO.: 2013-3621924, RECORDS OF PIMA COUNTY, ARIZONA, THENCE SOUTH 15° 06' 56" EAST, A DISTANCE OF 158.75 FEET TO THE POINT OF BEGINNING ON THE INSIDE FACE OF WALL OF AN EXISTING ROOM WITHIN THE BUILDING;

THENCE ALONG THE FOLLOWING COURSES CONTINUING ALONG THE INSIDE FACE OF WALL OF SAID EXISTING ROOM:
THENCE SOUTH 57° 09' 55" EAST, A DISTANCE OF 6.76 FEET;
THENCE SOUTH 12° 23' 01" EAST, A DISTANCE OF 18.82 FEET;
THENCE SOUTH 77° 36' 59" WEST, A DISTANCE OF 7.91 FEET;
THENCE NORTH 12° 23' 01" WEST, A DISTANCE OF 20.40 FEET;
THENCE NORTH 31° 58' 41" EAST, A DISTANCE OF 4.50 FEET TO THE POINT OF BEGINNING.

SURVEY PREPARED BY
Infinity Engineering Services, Ltd.
P.O. BOX 88034
PHOENIX, AZ 85080
PH: (602) 670-8035
brett@infinityems.com
JOB NO.: 18080

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
8323 W SHERMAN STREET
TOLLESON, AZ 85353
PHONE: (623) 282-3084

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

PROJECT: NEW BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572

4702 NORTH QUARTZ HILL PLACE
TUCSON, ARIZONA 85750
PIMA COUNTY

0	11/21/18	ISSUED FOR APPROVAL	BLN	SAM
A	10/11/18	REVIEW	BLN	SAM

PROFESSIONAL SEAL

SON:

SHEET TITLE
SITE SURVEY

SHEET NUMBER
SS-1

Copyright © by Engineering (AN/A), 2018. The concepts and designs shown in these documents and renderings are the property of Engineering (AN/A) and may not be used in whole or in part without the written permission of Engineering (AN/A). Any unauthorized use of these documents and renderings without the written permission of Engineering (AN/A) will be subject to legal action.

OVERALL SITE PLAN KEY NOTES: (#)

1. (E) WROUGHT IRON FENCE
2. (E) RETAINING WALL
3. (E) STAIRS
4. (E) BUILDING
5. (E) TOP OF PARAPET
6. APPROXIMATE LOCATION OF SPRINT ANTENNAS
7. (E) NEMA ENCLOSURES WITH (2) METER, ONE METER IS ABANDONED BY SPRINT AND WILL BE REUSED BY AT&T'S PROPOSED SITE
8. (N) U.C. CONDUIT RUNS FOR AT&T COAX FEEDLINES, ROUTE TO BE FINALIZED IN THE FIELD, APPROXIMATELY ±140' LONG TO SECTOR A&C & ±175' LONG TO SECTOR B

DIGALERT

Call Toll Free
1-800-782-5348
2 Working Days Before You Dig
ARIZONA BLUE STAKE, INC.

LEGEND

ABBREVIATIONS:
(E) – EXISTING
(N) – NEW
(F) – FUTURE
PUE PUBLIC UTILITY EASEMENT
ROW RIGHT OF WAY

SYMBOLS:
FIRE HYDRANT
POWER POLE
ELECTRIC MANHOLE
TELCO MANHOLE

BLUE STAKE ELECTRIC
PROPERTY LINE
BLUE STAKE FIBER
FENCE
BLUE STAKE OVERHEAD

SIGNS

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

LIGHTING

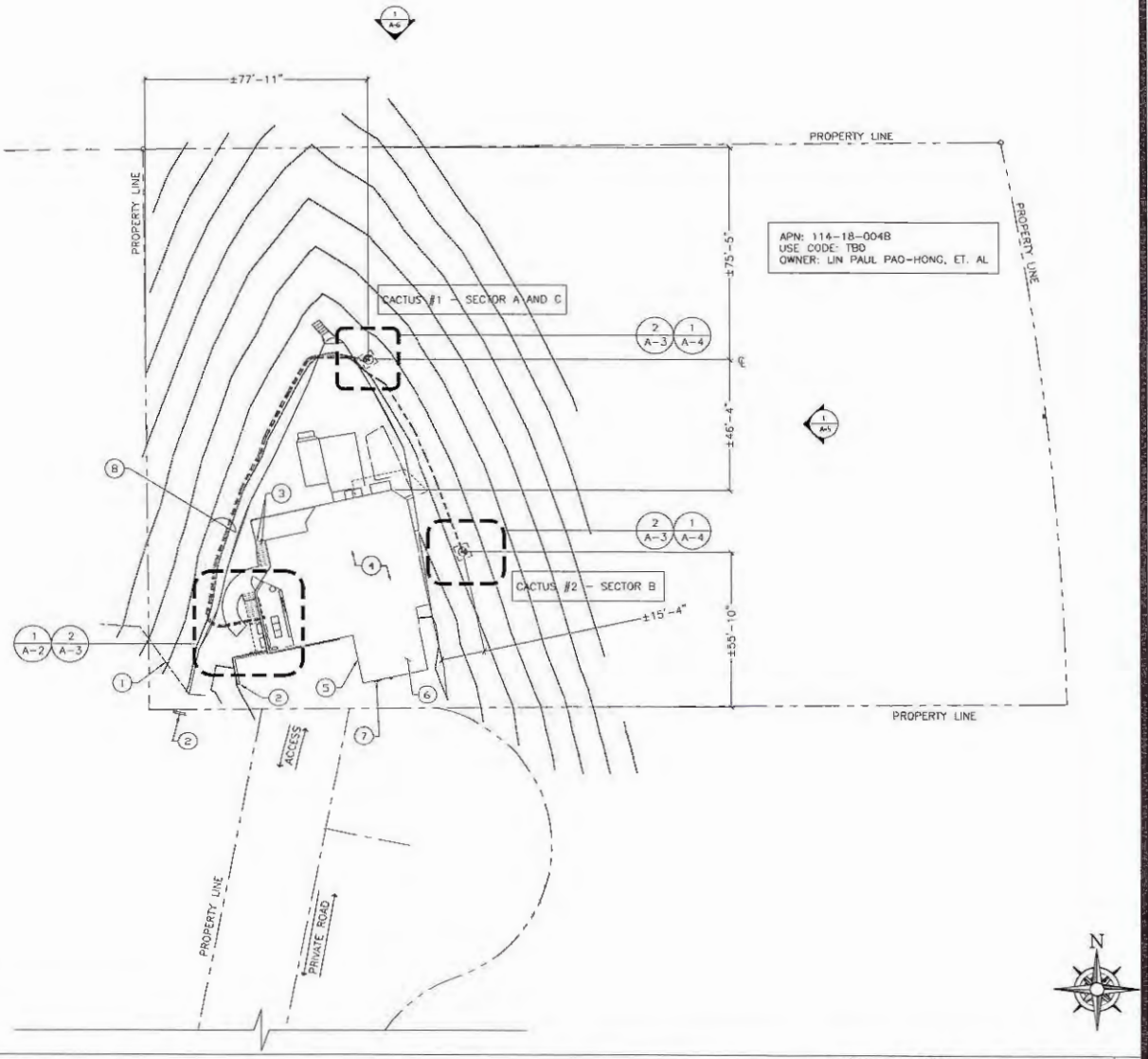
1. ADDITIONAL LIGHTING WILL BE INSTALLED IF REQUIRED BY MUNICIPALITY FOR SECURITY PURPOSES.
2. ALL LIGHTING IS TO BE INSTALLED NO HIGHER THAN 8'-0", (UNLESS REQUIRED OTHERWISE BY INDIVIDUAL MUNICIPALITY)
3. ALL LIGHTING WILL BE THAT OF "FULL CUT OFF LENSES".

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.



GENERAL SITE NOTES N.T.S. | 2 OVERALL SITE PLAN | 22"x34" SCALE: 1" = 20'-0" 11"x17" SCALE: 1" = 40'-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
2601 S. 37TH STREET, SUITE 200
PHOENIX, AZ 85034
PHONE: (623) 282-3084

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

PROJECT: NEW BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572

4702 NORTH QUARTZ HILL PLACE
TUCSON, AZ 85750
PIMA COUNTY

2	11/29/18	REVISED FOR COMMENTS	JN	SAM
1	11/26/18	REVISED FOR COMMENTS	JN	SAM
0	11/20/18	ISSUED FOR APPROVAL	JN	SAM
B	11/03/18	REVISED FOR COMMENTS	JN	SAM
A	10/29/18	90% ZD	JN	SAM

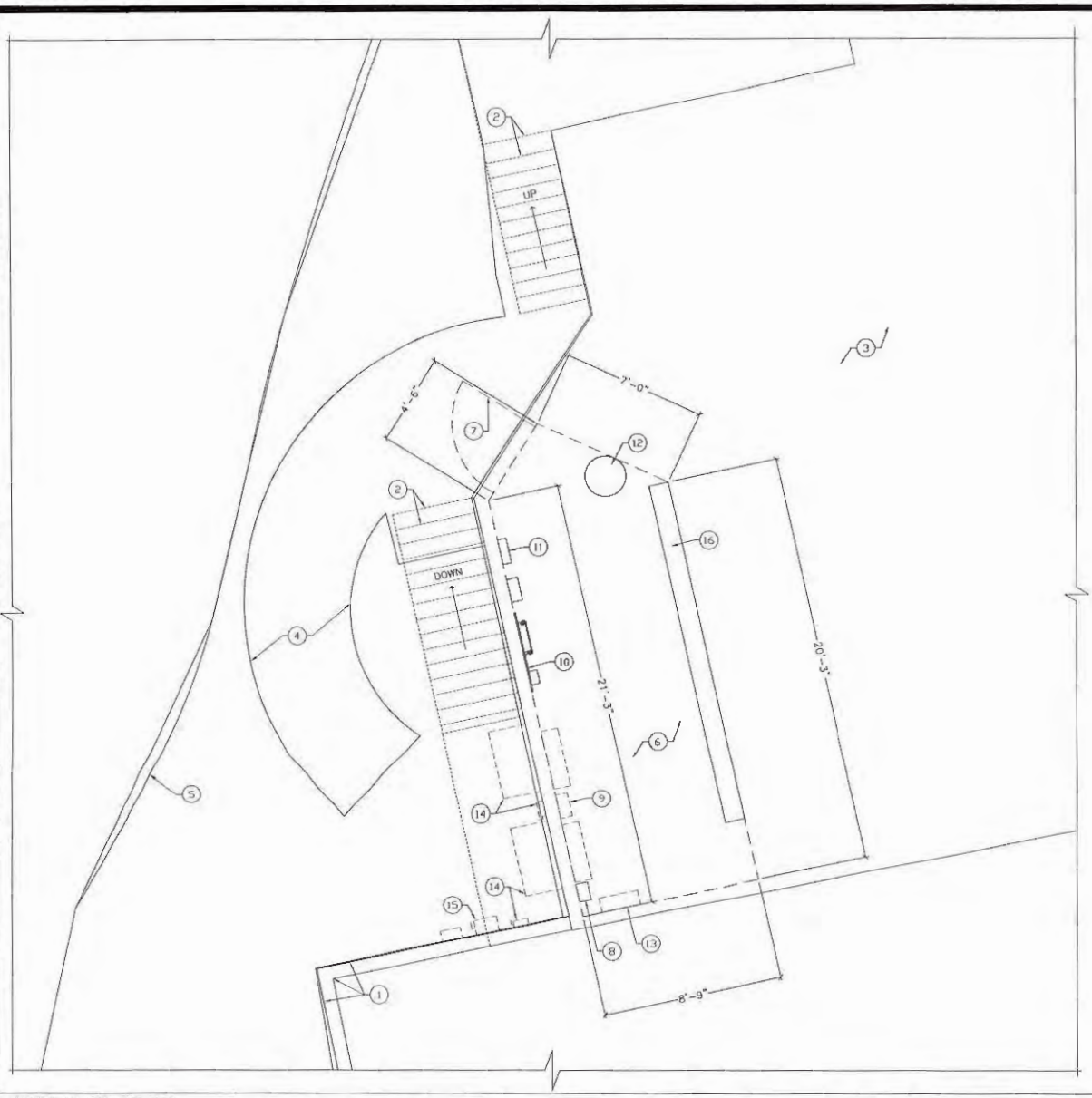
PROFESSIONAL SEAL

SDN

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1

Copyright © Abn Engineering (Abn), 2018. This document is a proprietary work of Abn Engineering and contains information solely for use on a specific project. It cannot be used, disclosed or reproduced in any format without written consent. Only documents with the original signature and seal are valid. Abn assumes no responsibility for any unauthorized use of this document and disclaims any and all liability for damages resulting from such use. Abn's liability, damages, or expenses arising from or related to the use or misuse of the electronic file, all rights reserved.



(E) PLAN KEY NOTES: (R)

1. (E) RETAINING WALL
2. (E) STAIRS (TYP.)
3. (E) BUILDING
4. (E) PAVERS
5. (E) TOP OF BANK
6. (E) VACANT EQUIPMENT ROOM & PROPOSED AT&T LEASE AREA
7. (E) ACCESS DOOR
8. (E) TRANSTECTOR BOX
9. (E) HVAC UNIT WITH THERMOSTAT TO BE REMOVED AND REPLACED
10. (E) TELCO PANEL
11. (E) FIRE PANEL
12. (E) FM200-FIRE PROTECTION SYSTEM
13. (E) MCB TO BE REUSED
14. (E) HVAC & AC DISCONNECT TO BE REMOVED AND (N) HVAC & AC AC DISCONNECT TO BE INSTALLED AT THE SAME LOCATION (BELOW)
15. (E) DISCONNECT SERVICE TO BE REMOVED AND (N) DISCONNECT TO BE INSTALLED AT THE SAME LOCATION
16. (E) 2" RAISED CONCRETE STEP

LEGEND

ABBREVIATIONS:
(E) – EXISTING
(N) – NEW
(F) – FUTURE

N

EXISTING ENLARGED SITE PLAN

22"x34" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"
0' 1' 2'

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

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

PROJECT: NEW BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572

4702 NORTH QUARTZ HILL PLACE
TUCSON, AZ 85750
PIMA COUNTY

2	11/29/18	REVISED FOR COMMENTS	JN	SAM
1	11/26/18	REVISED FOR COMMENTS	JN	SAM
0	11/20/18	ISSUED FOR APPROVAL	JN	SAM
B	11/03/18	REVISED FOR COMMENTS	JN	SAM
A	10/29/18	90% ZD	JN	SAM

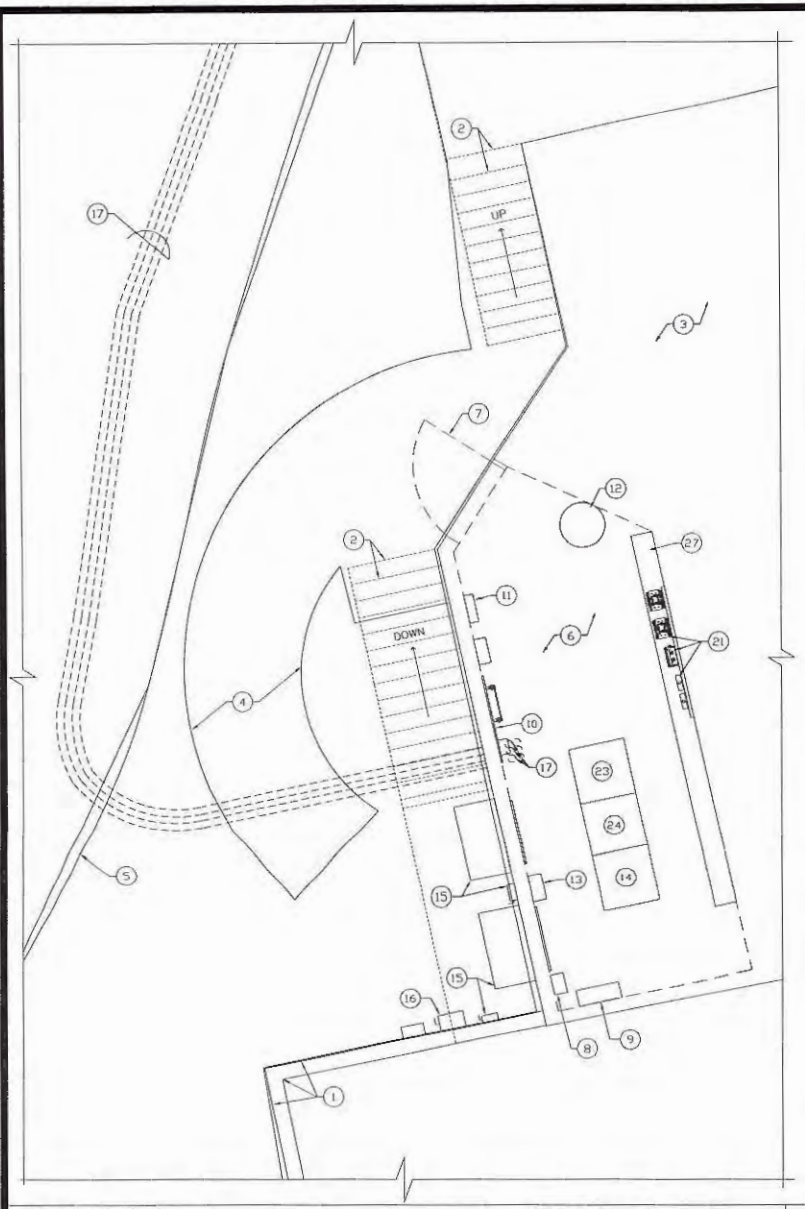
PROFESSIONAL SEAL

SDN

SHEET TITLE
EXISTING ENLARGED SITE PLAN

SHEET NUMBER
A-2

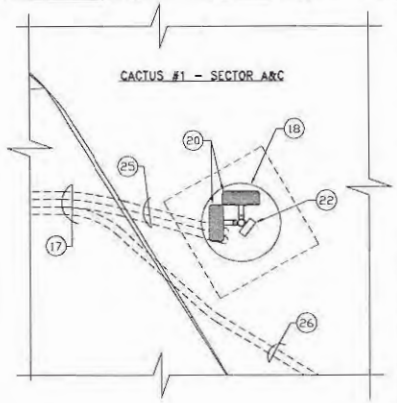
Copyright © Abn Engineering (Arch) 2018. This document is a proprietary item of the Engineering and contains information solely for use on a project it pertains to and should not be reproduced on any form or shown to any person, firm or corporation, other than as authorized by this Client, nor copied by the right to use the information contained in this document is restricted to the specific project and Client identified. Any unauthorized use, disclosure, reproduction, or retention of this document or any portion thereof is prohibited. Abn Engineering shall not be liable for any damages, claims, liability, lawsuits, judgments or expenses arising from or related to the use or reuse of the electronic files. All rights reserved.



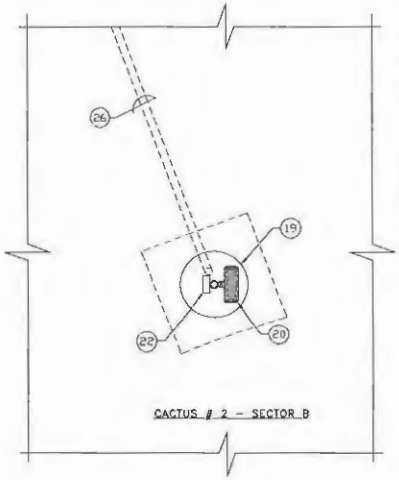
NEW ENLARGED SITE PLAN

22"x34" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

2



CACTUS #1 – SECTOR A&C



CACTUS # 2 – SECTOR B

NEW ENLARGED SITE PLAN

22"x34" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

1

(E) AND (N) PLAN KEY NOTES:

1. (E) RETAINING WALL
2. (E) STAIRS (TYP.)
3. (E) BUILDING
4. (E) PAVERS
5. (E) TOP OF BANK
6. (E) VACANT EQUIPMENT ROOM & PROPOSED AT&T LEASE AREA
7. (E) ACCESS DOOR
8. (E) TRANSTECTOR BOX
9. (E) MCB TO BE UTILIZED
10. (E) TELCO BOARD
11. (E) FIRE PANEL
12. (E) FM200-FIRE PROTECTION SYSTEM
13. (N) CONTROL UNIT WITH THERMOSTAT
14. (N) VERTIV 7100 POWER PLANT WITH (12) MARATHON M12V180FT BATTERIES
15. (N) (1) 5-TON VERTICAL WALL MOUNT AIR CONDITIONER & (1) WALL AIR COOLING (WAC) SYSTEM & (N) DISCONNECT SWITCH MOUNTED TO (E) WALL
16. (N) 200A DISCONNECT MOUNTED TO (E) CONCRETE WALL
17. (N) (6) 6"ø U.G. CONDUITS FOR (12) 1-5/8" COAXIAL CABLE RUNS FROM STUB-UP TO ANTENNAS
18. (N) 30'-0" TALL FAUX SAGUARO CACTUS#1 (WITHOUT ARMS), DESIGN PROVIDED BY OTHERS
19. (N) 30'-0" TALL FAUX SAGUARO CACTUS#2 (WITH ARMS), DESIGN PROVIDED BY OTHERS
20. (N) ANTENNAS, MOUNTED TO MAST (INSIDE FAUX SAGUARO CACTUS)
21. (6) (N) AIRSCALE RRHs AND (6) TWIN TRIPLEXERS MOUNTED TO UNISTRUT ON THE WALL
22. (N) TMAs MOUNTED TO MAST (INSIDE FAUX SAGUARO CACTUS)
23. (N) LTE FIF RACK WITH LTE FSM4, RAYCAP DC12-48-60-RM AND FIBER TRAY INSTALLED
24. (N) COMMUNICATION FIF RACK WITH SIAD, MCU, AND OTHER ANCILLARY EQUIPMENT INSTALLED
25. (4) NEW U.G. 6" CONDUIT RUNS TO FAUX SAGUARO CACTUS #1 (WITHOUT ARMS) WITH (8) 1-5/8" COAXIAL CABLES, (2) COAX PER CONDUITS, TYP.
26. (2) NEW U.G. 6" CONDUIT RUNS TO FAUX SAGUARO CACTUS #2 (WITH ARMS) WITH (4) 1-5/8" COAXIAL CABLES, (2) COAX PER CONDUITS, TYP.
27. (E) 2" RAISED CONCRETE STEP

LEGEND

ABBREVIATIONS:
(E) – EXISTING
(N) – NEW
(F) – FUTURE

N

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

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

PROJECT: NEW BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572

4702 NORTH QUARTZ HILL PLACE
TUCSON, AZ 85750
PIMA COUNTY

2	11/29/18	REVISED FOR COMMENTS	JN	SAM
1	11/26/18	REVISED FOR COMMENTS	JN	SAM
0	11/20/18	ISSUED FOR APPROVAL	JN	SAM
B	11/03/18	REVISED FOR COMMENTS	JN	SAM
A	10/29/18	90% ZD	JN	SAM

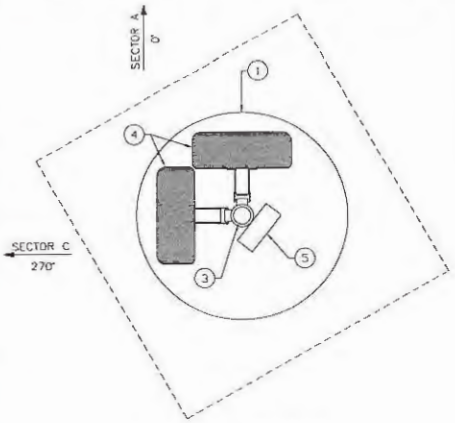
PROFESSIONAL SEAL

SDN

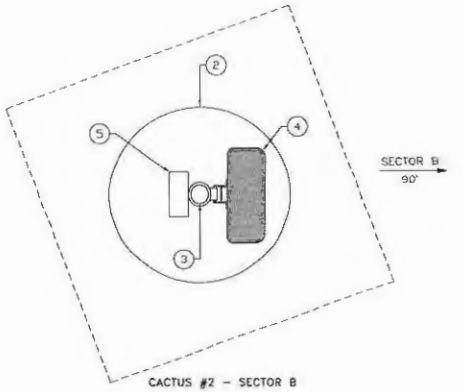
SHEET TITLE
NEW ENLARGED SITE PLAN

SHEET NUMBER
A-3

Copyright © Abn Engineering (Abn©, 2018. This document is proprietary item of Abn Engineering and contains information solely intended for a specific project. It cannot be copied, disclosed or reproduced in any format without written consent. Only our concerned has the right to use the information contained in this document for construction purpose of this project up to 12 months from said & stamped date on the document. Any use beyond is strictly defined & held harmless Abn© from all claims suits, liability, demands, judgments or expenses arising from or related to the use or reuse of the Electronic Files. All rights reserved.



CACTUS #1 – SECTOR A&C



CACTUS #2 – SECTOR B

ANTENNA LAYOUT KEY NOTES: (#)

1. (N) 30'-0" TALL FAUX SAGUARO CACTUS #1 (W/O ARMS), DESIGN IS PROVIDED BY OTHERS
2. (N) 30'-0" TALL FAUX SAGUARO CACTUS #2 (WITH ARMS), DESIGN IS PROVIDED BY OTHERS
3. (N) MIDDLE MAST FOR ANTENNA MOUNT DESIGNED AND SUPPLIED BY PROVIDERS
4. (N) AT&T ANTENNAS, (1) PER SECTOR, TYP. OF (3) ANTENNAS
5. (N) TMAT192123B68-21 TMA, (2) PER SECTOR, TYP. OF (6) TMAs

N

ENLARGED ANTENNA LAYOUT — SCALE: 1" = 1'-0" | 2

NEW ANTENNA CONFIGURATION TABLE

	POSITION (# OR N/A)	1	2	3	4
SECTOR A	ANTENNA	(N) ACE XXQLH-654L8H8-JVT 109.4lbs (96.0"x19.7"x7.5")			
	FEEDER LENGTH	±150FT 1-5/8" COAXIAL			
	AZIMUTH	0°			
	RAD CENTER	24'-0"			
	TECHNOLOGY	LTE (1900, AWS & 700)			
	TMA	(2) TMAT192123B68-21 TMA			
	TRIPLEXER	(2) TPO-697136-x-T2			
	RRH	B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA), AirScale Dual RRH 4T4R B25/66 320W AHFIB			
SECTOR B	ANTENNA	(N) ACE XXQLH-654L8H8-JVT 109.4lbs (96.0"x19.7"x7.5")			
	FEEDER LENGTH	±235FT 1-5/8" COAXIAL			
	AZIMUTH	90°			
	RAD CENTER	24'-0"			
	TECHNOLOGY	LTE (1900, AWS & 700)			
	TMA	(2) TMAT192123B68-21 TMA			
	TRIPLEXER	(2) TPO-697136-x-T2			
	RRH	B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA), AirScale Dual RRH 4T4R B25/66 320W AHFIB			
SECTOR C	ANTENNA	(N) ACE XXQLH-654L8H8-JVT 109.4lbs (96.0"x19.7"x7.5")			
	FEEDER LENGTH	±150FT 1-5/8" COAXIAL			
	AZIMUTH	270°			
	RAD CENTER	24'-0"			
	TECHNOLOGY	LTE (1900, AWS & 700)			
	TMA	(2) TMAT192123B68-21 TMA			
	TRIPLEXER	(2) TPO-697136-x-T2			
	RRH	B12/B14 Airscale Dual-band RRH4T4R 320W (AHLBA), AirScale Dual RRH 4T4R B25/66 320W AHFIB			

N

ANTENNA CONFIGURATION TABLE — N.T.S. | 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
2601 S. 37TH STREET, SUITE 200
PHOENIX, AZ 85034
PHONE: (623) 282-3084

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

PROJECT: NEW BUILD
SITE NO.: AZL01390
SITE NAME: QUARTZ HILL
FA CODE: 14615735
USID: 217572

4702 NORTH QUARTZ HILL PLACE
TUCSON, AZ 85750
PIMA COUNTY

2	11/29/18	REVISED FOR COMMENTS	JN	SAM
1	11/26/18	REVISED FOR COMMENTS	JN	SAM
0	11/20/18	ISSUED FOR APPROVAL	JN	SAM
B	11/03/18	REVISED FOR COMMENTS	JN	SAM
A	10/29/18	90% ZD	JN	SAM

PROFESSIONAL SEAL

SDN

SHEET TITLE
ANTENNA LAYOUT

SHEET NUMBER
A-4

Copyright © Abd Engineering (Abd), 2018. This material is proprietary item of the Engineering and contains information solely for use on a specific project. It cannot be used, disclosed or reproduced in any format, either current or in the future, without the written permission of Abd. Any unauthorized use, disclosure or reproduction is a violation of the rights of Abd and may result in civil or criminal penalties. Abd expressly reserves all rights in and to its intellectual property and in all documents and drawings prepared by Abd. Any use of such documents and drawings for any purpose not specifically authorized by Abd is expressly prohibited. Abd expressly reserves all rights in and to its intellectual property and in all documents and drawings prepared by Abd. Any use of such documents and drawings for any purpose not specifically authorized by Abd is expressly prohibited. All Rights reserved.