

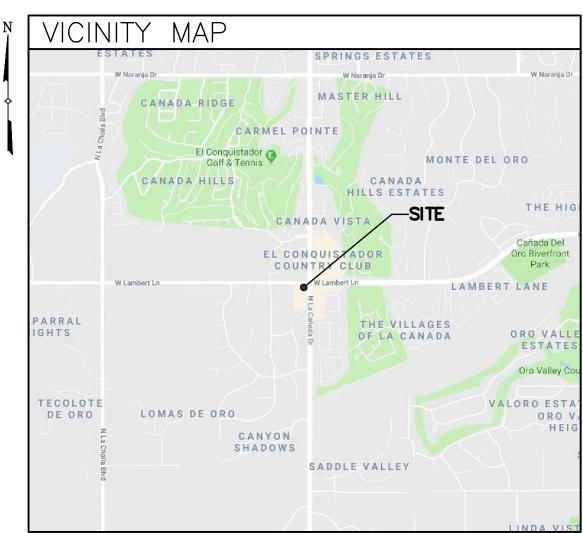
SITE NAME:

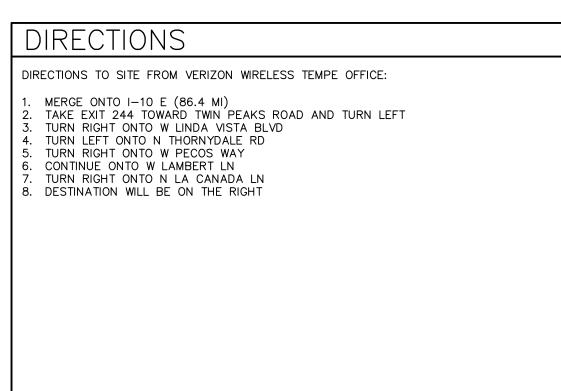
TUC EL CONQUISTADOR

PCS/850/AWS-3/4XTX/ERICSSON CARRIER ADDITIONS

10375 N LA CANADA DR ORO VALLEY, AZ 85737 COUNTY OF PIMA







PROJECT NUMBER:	20181799413
LOCATION CODE	157557
SITE NAME:	TUC EL CONQUISTADOR
SITE ADDRESS:	10375 N LA CANADA DR ORO VALLEY, AZ 85737
JURISDICTION:	TOWN OF ORO VALLEY
COUNTY:	PIMA COUNTY
TAX MAP PARCEL ID:	224-39-001C
COORDINATES (NAD83):	N 32° 23' 42.47" (32.395132°) W 110° 59' 48.35" (-110.996764°)
GROUND ELEVATION (NAVD88):	2552.5'± AMSL
ZONING CLASSIFICATION:	PCD
STRUCTURE TYPE:	UTILITY POLE
PROPERTY OWNER: CONTACT: PHONE:	TEP 220 W 6TH ST TUCSON, AZ 85701 ANNA GARCIA (520) 916-8360
APPLICANT: CONTACT: PHONE:	TECTONIC ENGINEERING FOR VERIZON WIRELI 3923 S McCLINTOCK DR, STE 409 TEMPE, AZ 85282 CARMELINA SCIGLIANO (520) 241-2388
ENGINEER: CONTACT: PHONE:	TECTONIC ENGINEERING CONSULTANTS, P.C. 3923 S McCLINTOCK DR, STE 409 TEMPE, AZ 85282 ADRIAN MASSIE, P.E. (480) 629-5533
LEASING & ZONING: CONTACT: PHONE:	TECTONIC ENGINEERING CONSULTANTS, P.C. 3923 S McCLINTOCK DR, STE 409 TEMPE, AZ 85282 CARMELINA SCIGLIANO (520) 241-2388
SURVEYOR:	N/A
CONTACT: PHONE:	N/A N/A

PROPRIETARY	INFORMATION	NOT FOR USE	OR DISCLOSURE	OUTSIDE
VERIZON WIR	ELESS EXCEP	T UNDER WRITTE	N AGREEMENT.	

APPROVALS				
	APPROVED BY	DATE	INITIALS	COMMENTS
	RF ENGINEER			
	SITE DEV.			
	SITE ACQ.			
	РМ			

SHT.	DESCRIPTION		
NO.			
T-1	TITLE SHEET		
C-1	OVERALL SITE PLAN		
C-2	DETAILED SITE PLAN		
C-3	TOWER ELEVATION		
C-4	ANTENNA CONFIGURATION		
C-5	EQUIPMENT SCHEDULE & EQUIPMENT DETAILS		
TI I'C	OFT OF DIAMO CHAIL NOT BE LITHIZED AS CONSTRUCTION DESCRIPTIONS AND		
ITEMS	SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALI S OF CONCERN HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN SED AND ISSUED "FOR CONSTRUCTION".		

CODE COMPLIANCE

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

MECHANICAL

SHEET INDEX

2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL BUILDING CODE ELECTRICAL 2011 NATIONAL ELECTRIC CODE

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED FOR 22"x34". OTHER SIZED VERSIONS ARE NOT PRINTED TO THE SCALE SHOWN. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT DESCRIPTION

MODIFICATION TO AN EXISTING VERIZON WIRELESS UNMANNED TELECOMMUNICATIONS FACILITY TO CONSIST OF THE FOLLOWING:

INSTALL NEW PLATFORM MOUNT

INSTALL (9) NEW PANEL ANTENNAS INSTALL (6) NEW DUAL BAND RRUS INSTALL (6) NEW DUAL DIPLEXERS

9. INSTALL (1) NEW 12x24 HYBRID CABLE

INSTALL (1) NEW OVP-12

VERIZON WIRELESS RF DESIGN = JULY 25, 2018

GENERAL NOTES

- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK AND ALL CONDITIONS AFFECTING THE NEW PROJECT.
- . CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS OF THE JOB SITE AND CONFIRM THAT WORK AS INDICATED ON THESE CONSTRUCTION DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN PRIOR TO COMMENCEMENT OF ANY WORK.
- . ALL FIELD MODIFICATIONS BEFORE, DURING, OR AFTER CONSTRUCTION SHALL BE APPROVED IN WRITING BY A VERIZON WIRELESS REPRESENTATIVE.
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE MANUFACTURER'S RECOMMENDATIONS, UNLESS INDICATED OTHERWISE.
- NOTIFY VERIZON WIRELESS, IN WRITING, OF ANY MAJOR DISCREPANCIES, REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM A VERIZON WIRELESS REPRESENTATIVE, AND ADJUSTING THE BID ACCORDINGLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF THE WORK UNDER THE
- CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS AND FINISHES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY OCCUR DURING THE CONSTRUCTION TO THE SATISFACTION OF A VERIZON WIRELESS REPRESENTATIVE.
- CONTRACTOR PLANS TO ILLUSTRATE THE AS-BUILT CONDITION OF THE SITE. FOLLOWING THE FINAL INSPECTION BY VERIZON WIRELESS, THE CONTRACTOR SHALL PROVIDE VERIZON WIRELESS WITH ONE COPY OF ALL RED-LINED DRAWINGS.
- VERIFY ALL FINAL EQUIPMENT WITH A VERIZON WIRELESS REPRESENTATIVE. ALL EQUIPMENT LAYOUT, SPECS, PERFORMANCE INSTALLATION AND THEIR FINAL LOCATION ARE TO BE APPROVED BY VERIZON WIRELESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK AND CLEARANCES REQUIRED BY OTHERS RELATED TO SAID INSTALLATIONS.



126 W GEMINI DR TEMPE, AZ 85283

WORK ORDER NUMBER

0 | 9/21/18 | FOR COMMENT

www.tectonicengineering.com

1 | 10/31/18 | FOR PERMIT

RELEASED BY

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

| VZW LC: 157557 VZW PN: 20181799413

TITLE SHEET

SHEET NUMBER

SHEET TITLE

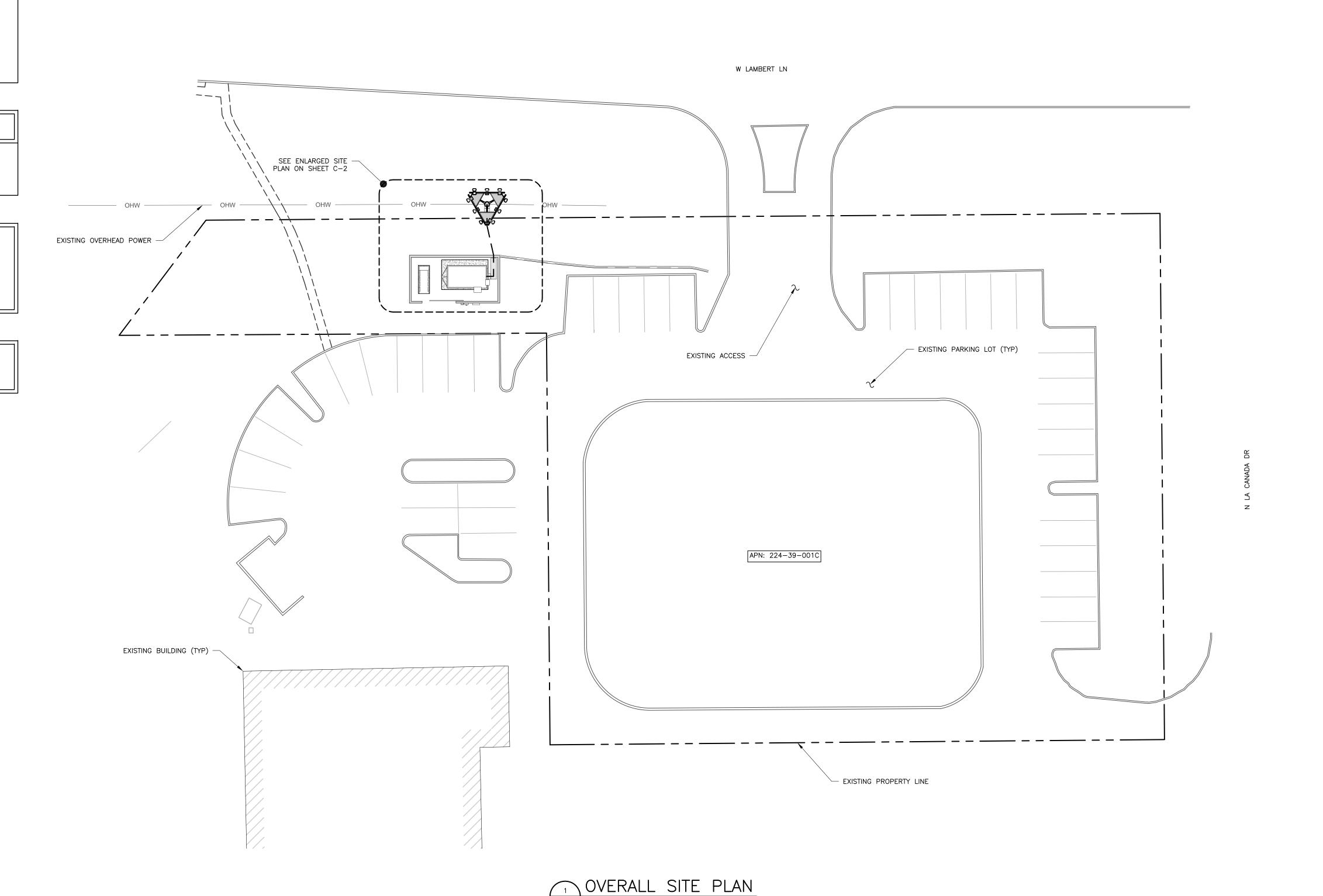
GENERAL NOTES

- 1. THIS PROJECT CONCERNS THE INSTALLATION, MAINTENANCE, AND OPERATION OF A PUBLIC UTILITY/PERSONAL WIRELESS SERVICE.
- 2. THE PROPOSED UPGRADE IS UNMANNED AND DOES NOT REQUIRE A MEANS OF WATER SUPPLY, SEWAGE DISPOSAL, OR HANDICAPPED ACCESS.
- 3. THE PROPOSED UPGRADE IS MINIMAL, WILL CREATE NEGLIGIBLE ADDITIONAL STORMWATER RUNOFF, AND WILL, THEREFORE, NOT IMPACT THE EXISTING STORMWATER DRAINAGE SYSTEM.
- 4. THE PROPOSED UPGRADE DOES NOT INCLUDE OUTDOOR STORAGE, SOLID WASTE RECEPTACLES, OR PLUMBING.
- 5. ADEQUATE PARKING EXISTS FOR ONE VEHICLE FOR MAINTENANCE OR EMERGENCY SERVICE ONCE A MONTH.
- 6. THERE ARE NO NEW STREETS, CURBS, SIDEWALKS, OR WALKWAYS PROPOSED.
- 7. THERE ARE NO COMMERCIAL SIGNS PROPOSED FOR THIS UPGRADE.

SITE NOTES:

- 1. ALL WORK SHALL BE AS INDICATED ON THE DRAWINGS.
- 2. DEBRIS AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- CONTRACTOR SHALL NOTIFY ARIZONA 811 BY DIALING 811 PRIOR TO EXCAVATION AT SITE
- CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION
- ALL EXCAVATION WORK WITHIN 36" OF EITHER SIDE OF UNDERGROUND UTILITIES MUST BE DONE BY HAND EXCAVATION METHODS

SITE INFORMATION BASED ON A SITE VISIT PERFORMED BY TECTONIC ENGINEERING CONSULTANTS ON 9/4/18, AND DRAWINGS BY BK DESIGNS DATED 1/4/14.



SCALE: 1" = 20' (22x34 SIZE) 1" = 40' (11x17 SIZE)



126 W GEMINI DR TEMPE, AZ 85283

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Tectonic Engineering Consultants P.C.
3923 South McClintock Dr.
Suite 409 Phone: (480) 629-5533
Tempe, AZ 85282 (800) 829-6531
www.tectonicengineering.com

WORK ORDER NUMBER

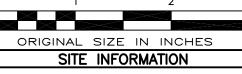
8664.TUC EL CONQUISTADOR

JMR

RELEASED BY DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557 VZW PN: 20181799413

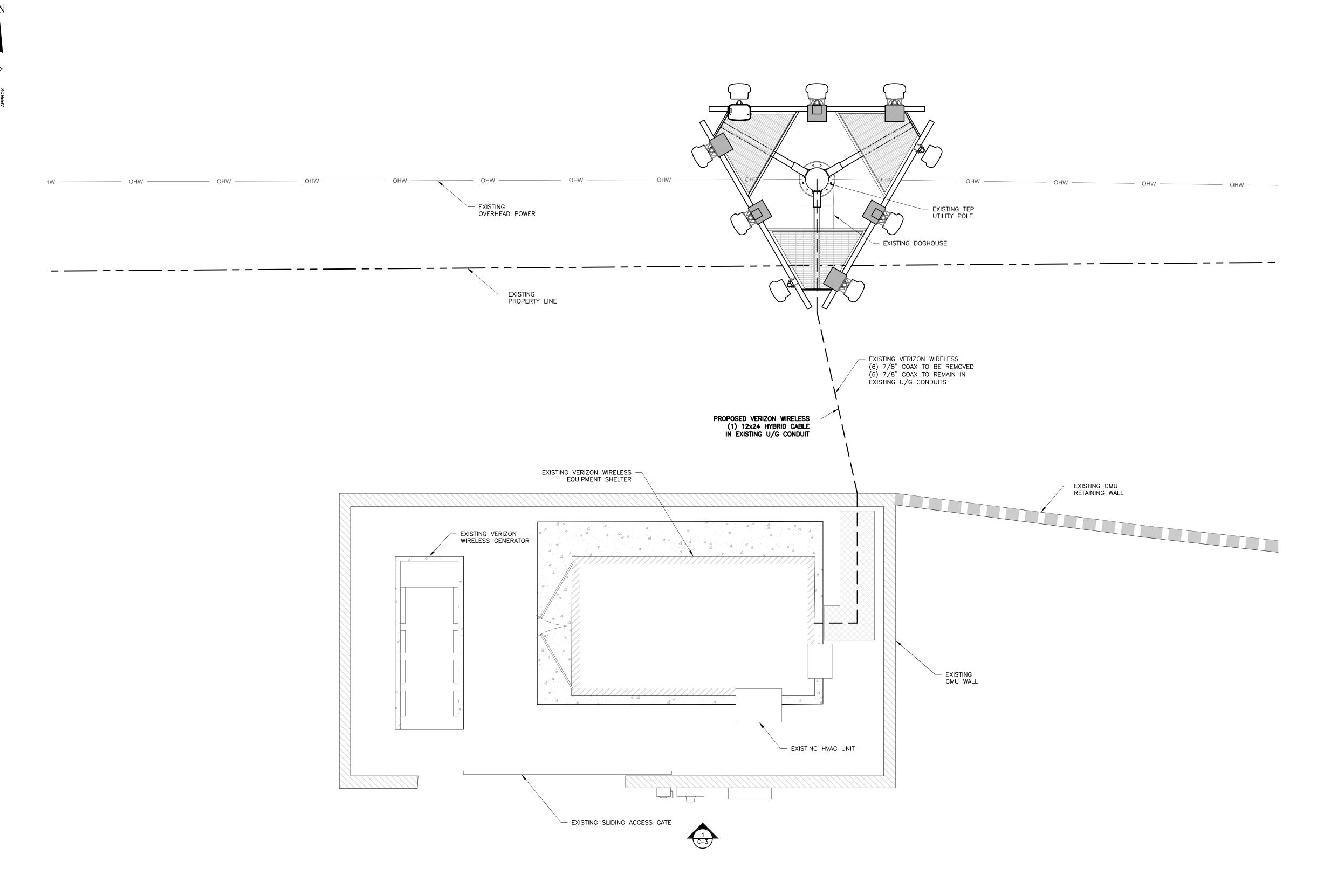
OVERALL SITE PLAN

SHEET TITLE

SHEET NUMBER

C-1

RELESS SITE NAME: TUC EL CONQUISTADOR







126 W GEMINI DR TEMPE, AZ 85283

Tectonic PRACTICAL SOLUTIONS, EXCEPTIONAL SERVICE.

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Tectonic Engineering Consultants P.C.
3923 South McClintock Dr.
Suite 409 Phone: (480) 629-5533
Tempe, AZ 85282 (800) 829-6531
www.tectonicengineering.com

WORK ORDER NUMBER DRAWN BY
8664.TUC EL CONQUISTADOR JMR

NO. DATE ISSUE

0 9/21/18 FOR COMMENT

1 10/31/18 FOR PERMIT

RELEASED BY DATE

RELEASED BY DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

ORIGINAL SIZE IN INCHES SITE INFORMATION

TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557 VZW PN: 20181799413

DETAILED SITE PLAN

SHEET TITLE

SHEET NUMBER

C-2

STRUCTURAL NOTE

THIS VIEW DEPICTS THE PROPOSED VERIZON WIRELESS UPGRADES TO THE EXISTING MONOPOLE. IT DOES NOT INFER THAT TECTONIC HAS EVALUATED ITS STRUCTURAL ADEQUACY FOR THE NEW LOADS IMPOSED. THIS MONOPOLE WILL NEED TO BE EVALUATED BY A PROFESSIONAL ENGINEER TO CONFIRM MONOPOLE HAS CAPACITY TO SUPPORT NEW LOADS PRIOR TO CONSTRUCTION.

ANTENNA MODIFICATIONS

EXISTING ANTENNAS PRIOR TO UPGRADE: PROPOSED ANTENNAS AFTER UPGRADE:

ANTENNA CONFIGURATION

UPGRADES INCLUDE:

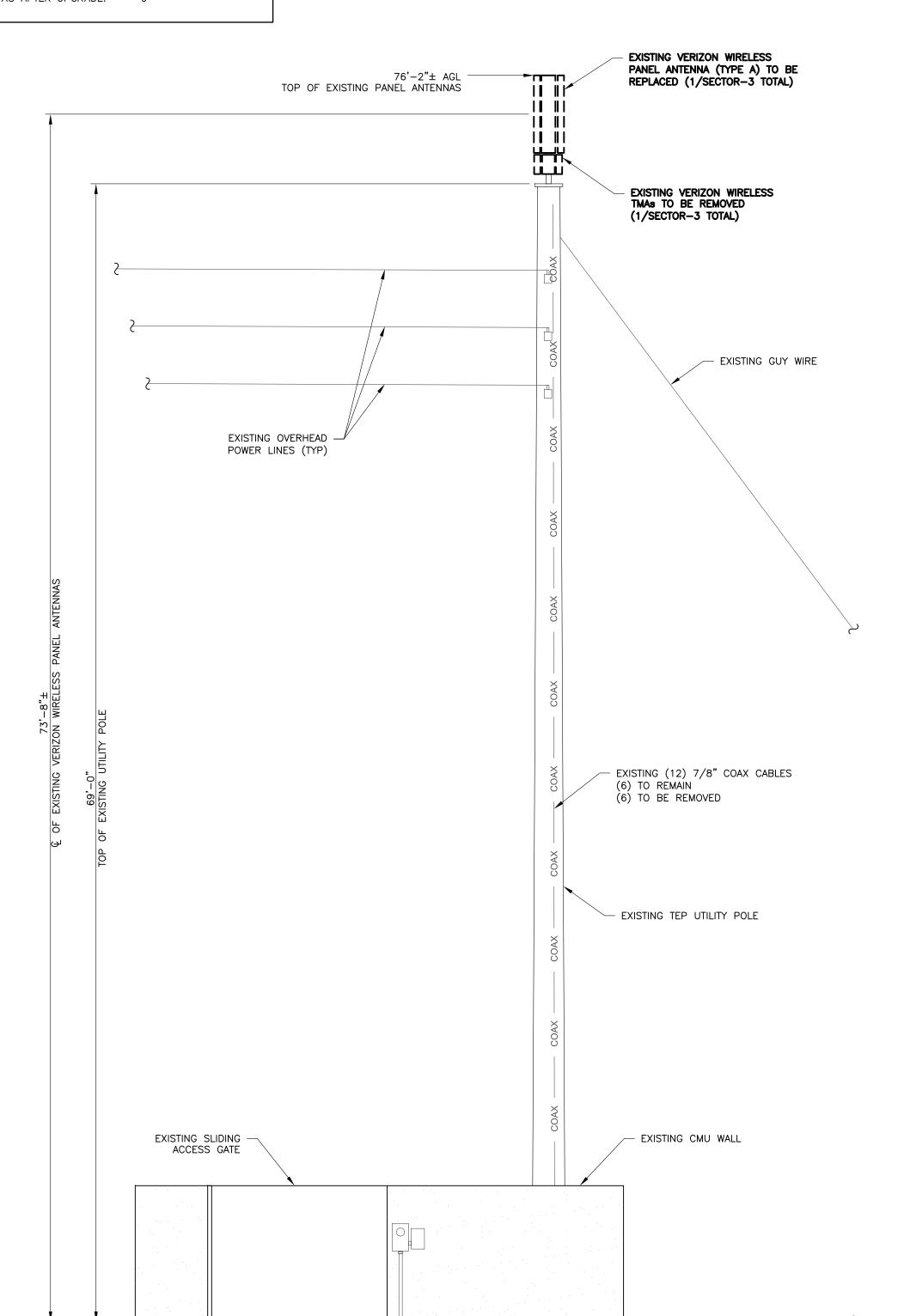
- (3) REPLACEMENT PANEL ANTENNAS (TYPE 1)
 (6) NEW PANEL ANTENNAS (TYPE 1) (2 PER SECTOR)
- (6) NEW DUAL BAND RRUS (2 PER SECTOR)
- (1) NEW OVP-12 (1) NEW 12x24 HYBRID CABLE

(6) NEW DUAL DIPLEXERS

- SEE SHEET C-4 FOR MECHANICAL DOWNTILT ADJUSTMENTS

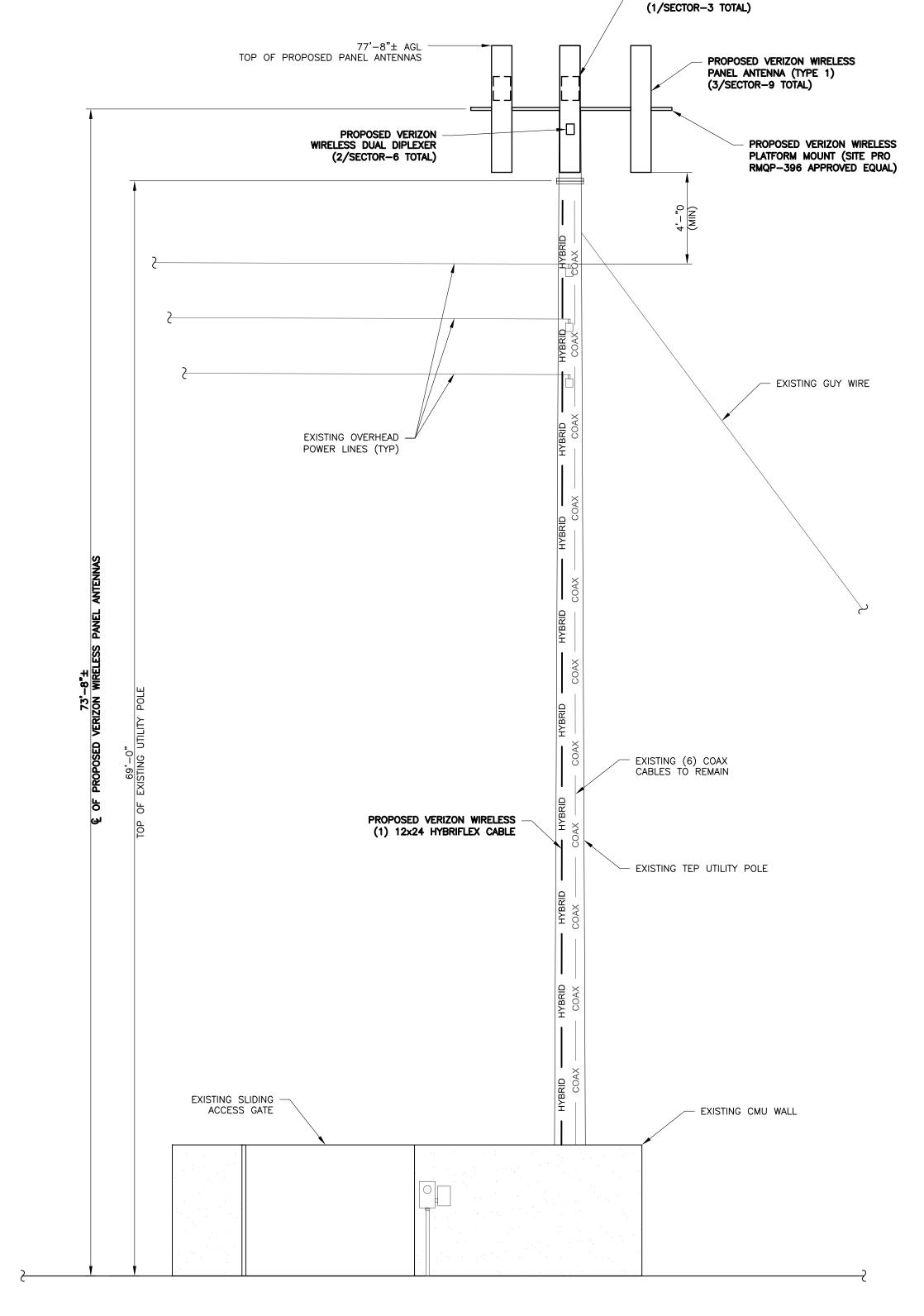
NOTES

1. ALL PROPOSED TOWER TOP EQUIPMENT TO BE PAINTED TO MATCH EXISTING.



EXISTING SOUTH ELEVATION

SCALE: 1" = 5' (22x34 SIZE) 1" = 10' (11x17 SIZE)



PROPOSED VERIZON
WIRELESS DUAL BAND RRUS



Tectonic Engineering Consultants P.C. 3923 South McClintock Dr. Suite 409 Phone: (480 Tempe, AZ 85282 (800

WORK ORDER NUMBER DRAWN BY

www.tectonicengineering.com

8664.TUC EL CONQUISTADOR NO. DATE ISSUE 0 | 9/21/18 | FOR COMMENT 1 | 10/31/18 | FOR PERMIT

RELEASED BY DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

ORIGINAL SIZE IN INCHES SITE INFORMATION

TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557 VZW PN: 20181799413

SHEET TITLE TOWER ELEVATION

SHEET NUMBER

PROPOSED SOUTH ELEVATION SCALE: 1" = 5' (22x34 SIZE) 1" = 10' (11x17 SIZE)

STRUCTURAL NOTE

THIS VIEW DEPICTS THE PROPOSED VERIZON WIRELESS UPGRADES TO THE EXISTING MONOPOLE. IT DOES NOT INFER THAT TECTONIC HAS EVALUATED ITS STRUCTURAL ADEQUACY FOR THE NEW LOADS IMPOSED. THIS MONOPOLE WILL NEED TO BE EVALUATED BY A PROFESSIONAL ENGINEER TO CONFIRM MONOPOLE HAS CAPACITY TO SUPPORT NEW LOADS PRIOR TO CONSTRUCTION.

ANTENNA CONFIGURATION

UPGRADES INCLUDE:

- (3) REPLACEMENT PANEL ANTENNAS (TYPE 1)
 (6) NEW PANEL ANTENNAS (TYPE 1) (2 PER SECTOR)
- (6) NEW PANEL ANTENNAS (TYPE 1) (2 PER SECTOR) (6) NEW DUAL BAND RRUS (2 PER SECTOR)
- (6) NEW DUAL DIPLEXERS
- (1) NEW OVP-12 (1) NEW 6x12 HYBRID CABLE
- SEE SHEET C-4 FOR MECHANICAL DOWNTILT ADJUSTMENTS

NOTES

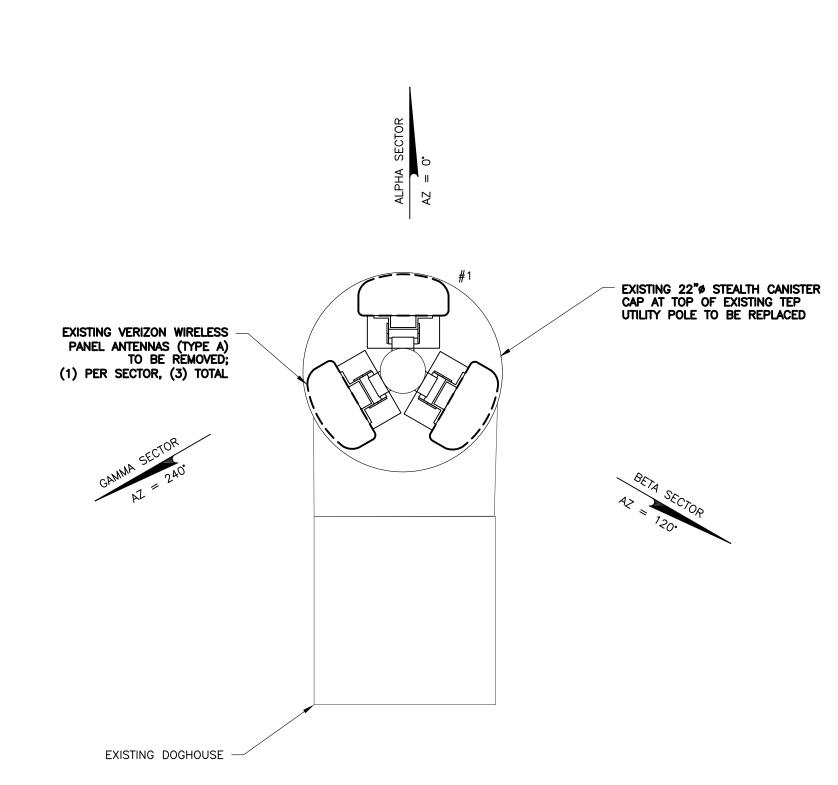
1. ALL PROPOSED TOWER TOP EQUIPMENT TO BE PAINTED TO MATCH EXISTING.

ANTENNA MODIFICATIONS

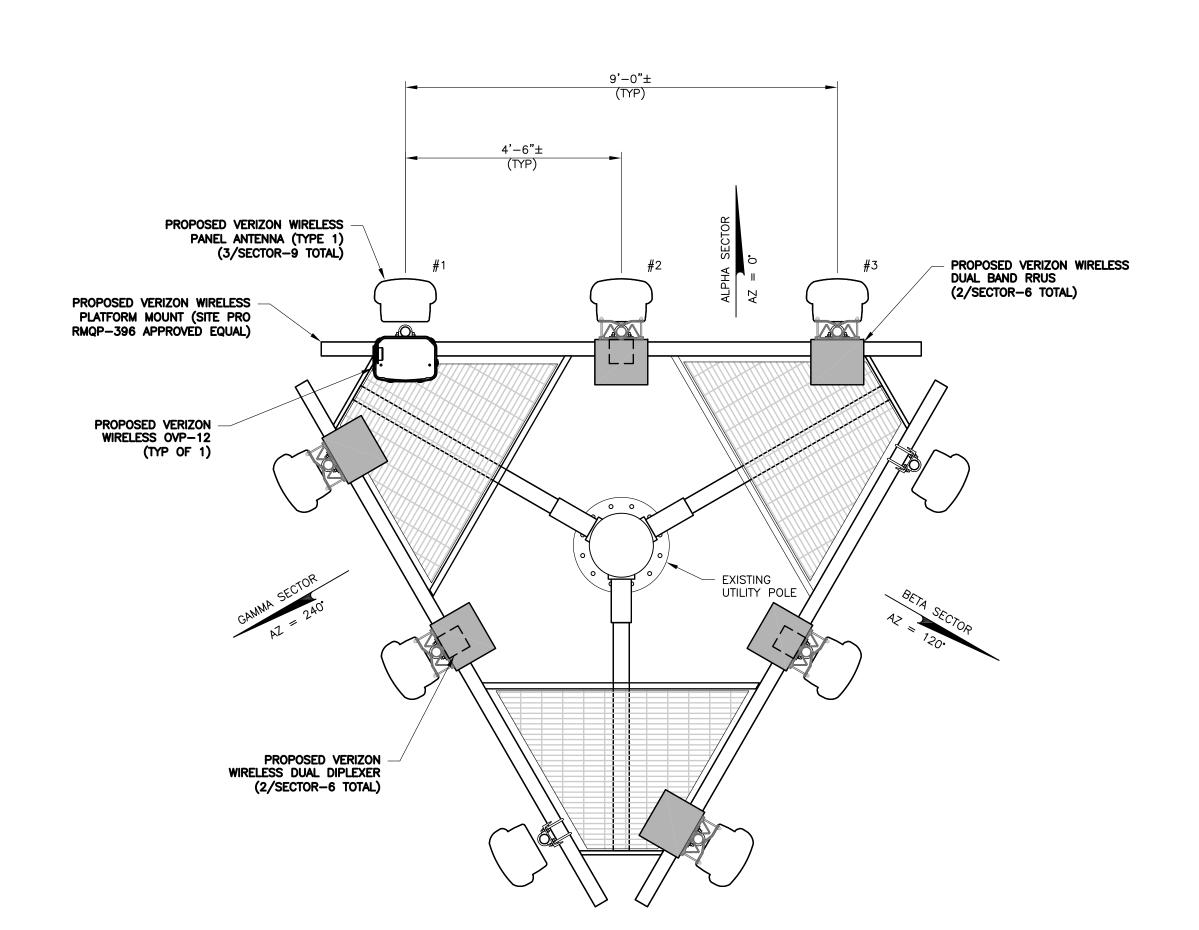
EXISTING ANTENNAS PRIOR TO UPGRADE: PROPOSED ANTENNAS AFTER UPGRADE:



EXISTING ANTENNA VIEW







PROPOSED CONFIGURATION (ELEV = 71'-9")

SCALE: 1/2" = 1'-0" (22×34 SIZE)
1/4" = 1'-0" (11×17 SIZE)



126 W GEMINI DR TEMPE, AZ 85283

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE. Tectonic Engineering Consultants P.C. 3923 South McClintock Dr. Suite 409 Phone: (480) 629-5533 Tempe, AZ 85282 (800) 829-6531 www.tectonicengineering.com

WORK ORDER NUMBER

8664.TUC EL CONQUISTADOR

JMR

 NO.
 DATE
 ISSUE

 0
 9/21/18
 FOR COMMENT

 1
 10/31/18
 FOR PERMIT

RELEASED BY DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

ORIGINAL SIZE IN INCHES
SITE INFORMATION

TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557 VZW PN: 20181799413

SHEET TITLE
ANTENNA CONFIGURATION

SHEET NUMBER

C-4



ANTENNA & CABLE SCHEDULE ANTENNA ANTENNA ELECTRICAL COAX ANTENNA HYBRID CABLES SECTOR STATUS FREQUENCY DOWN TILT DIPLEXER RRH CABLE QUANTITY RAD 🖟 AZIMUTH ALPHA PROPOSED 850B CDMA 71'-9" 0° 7/8" ALPHA PROPOSED 700/850A LTE/PCS 71'-9" 2./3./5. (2) DUAL ALPHA PROPOSED 700/850A LTE/AWS 71**'**–9**"** 2°/9°/4° ALPHA 7/8" BETA PROPOSED 850B CDMA 71'-9" 120° PROPOSED BETA 700/850A LTE/PCS 71'-9" 120° 5°/6°/2° (2) DUAL (1) 12x24 HYBRIFLEX (1) OVP-12 71'-9" 120° 5°/6°/4° BETA PROPOSED 700/850A LTE/AWS BETA PROPOSED 850B CDMA 71'-9" 240° 7/8" GAMMA 700/850A LTE/PCS 71'-9" 240° 2°/2°/2° (2) DUAL GAMMA PROPOSED GAMMA PROPOSED 700/850A LTE/AWS 71'-9" 240° 2°/2°/4° GAMMA

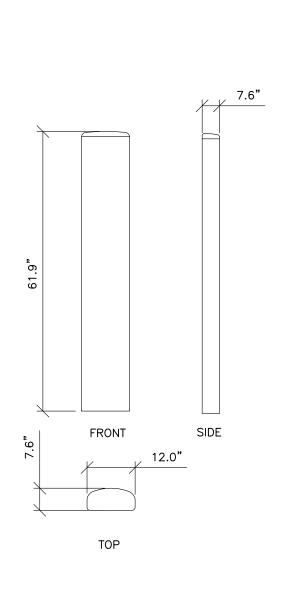
CABLE SCHEDULE NOTE: (6) 7/8" COAX TO BE REMOVED, (6) 7/8" COAX TO REMAIN

GENERAL NOTES

- 1. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT
 DESCRIBE HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS
 PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
- 2. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- 4. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED.
- 5. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

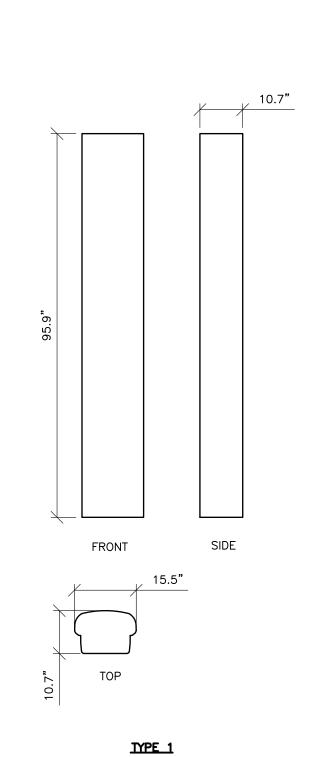
SCHEDULE NOTES

- 1. MARKING TAPE MUST BE APPLIED AT TOP OF FEED LINES AND AT BASE OF TOWER.
- 2. CHECK ALL ANTENNA INFO WITH VERIZON WIRELESS PRIOR TO CONSTRUCTION.
- 3. DESIGN REQUIREMENTS FOR ANTENNA, SUPPORTING STRUCTURES, EQUIPMENT CABINETS, AND PPC CABINETS PER BUILDING CODE (LATEST EDITION) WIND SPEED REQUIREMENTS AS LISTED ON SHEET T-1.
- 4. HYBRIFLEX CABLE IS 1.54", RET CABLE IS 0.315"
- 5. CAP AND WEATHERPROOF UNUSED PORTS AND LINES.



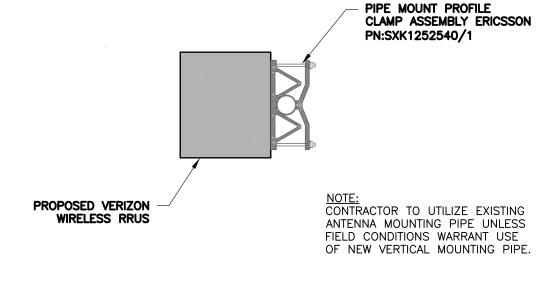
TYPE A





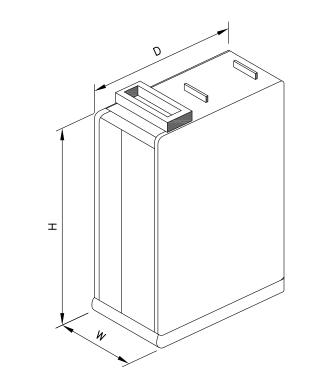
PROPOSED ANTENNA DETAIL

| 1/2" = 1'-0" (22x34 SIZE) | 1/4" = 1'-0" (11x17 SIZE)



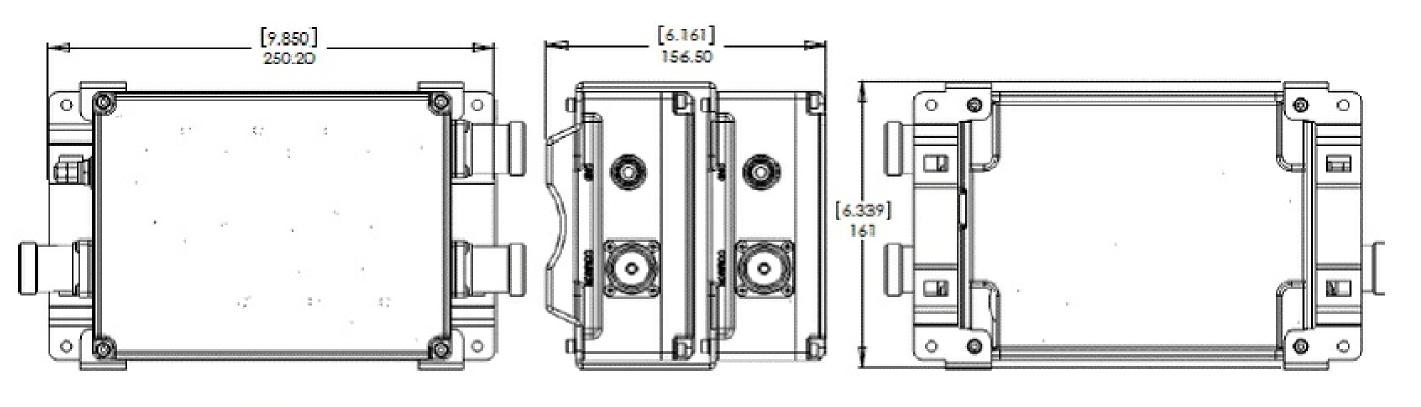
RRUS RAIL MOUNT DETAIL

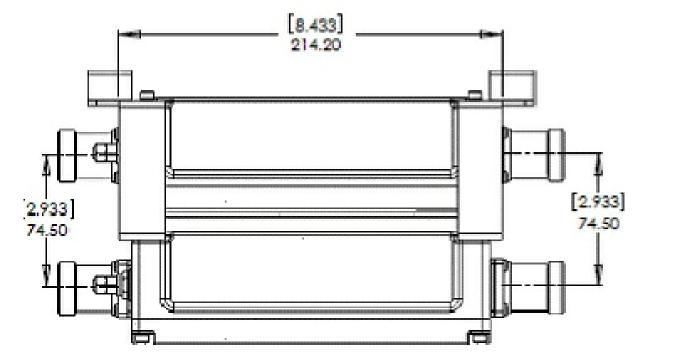
RRUS OVERVIEW					
TYPE	LTE/700	AWS/2100	PCS/1900	AWS/2100	
BAND	B13	B5	B2/B25	B4/B66	
MODEL	DUAL LOW BAND RRUS		DUAL HIGH BAND RRUS		
OUTPUT	4×40/2×60		4×40		
HEIGHT (H) - IN	18.0		18.0		
WIDTH (W) - IN	13.2		13.2		
DEPTH (D) - IN	9.4		11.3		
WEIGHT* - LBS	70		75		



DUAL BAND RRUS DETAIL

SCALE: NTS





WEIGHT: 6.26Kg

PROPOSED DIPLEXER DETAIL

SCALE: NTS



126 W GEMINI DR

TEMPE, AZ 85283

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

etonic Engineering Consultants P.C.

Phone: (480) 629-5533 (800) 829-6531

WORK ORDER NUMBER

8664.TUC EL CONQUISTADOR

JMR

www.tectonicengineering.com

NO. DATE ISSUE

0 9/21/18 FOR COMMENT

1 10/31/18 FOR PERMIT

Suite 409 Tempe, AZ 85282

RELEASED BY DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

ORIGINAL SIZE IN INCHES

SITE INFORMATION

TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557

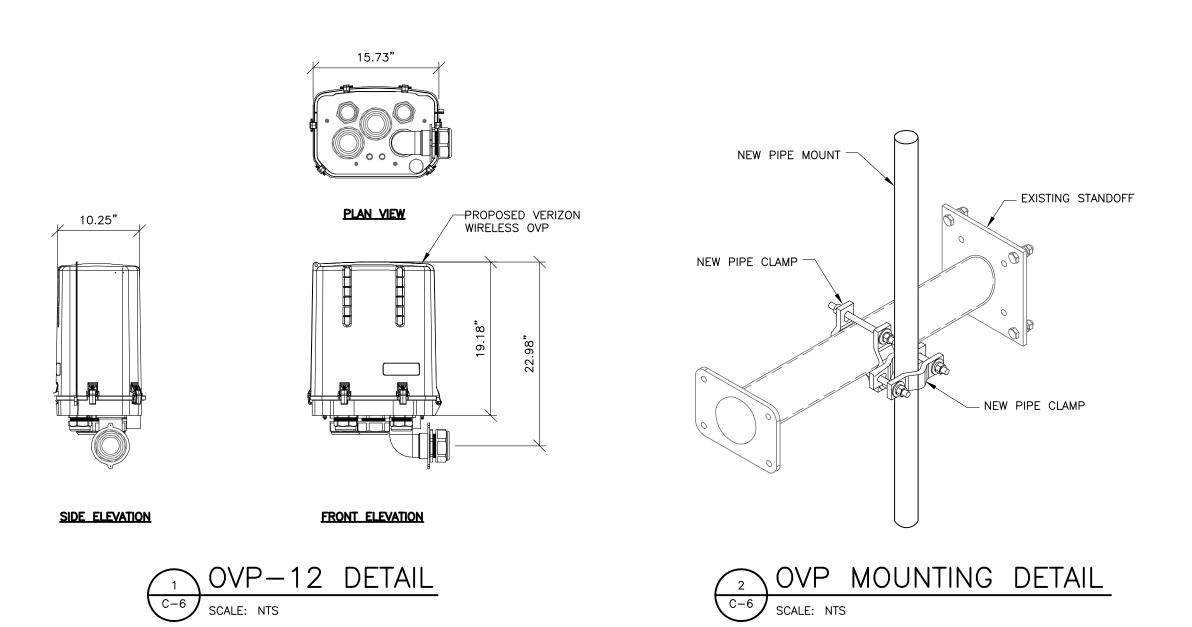
VZW PN: 20181799413 SHEET TITLE

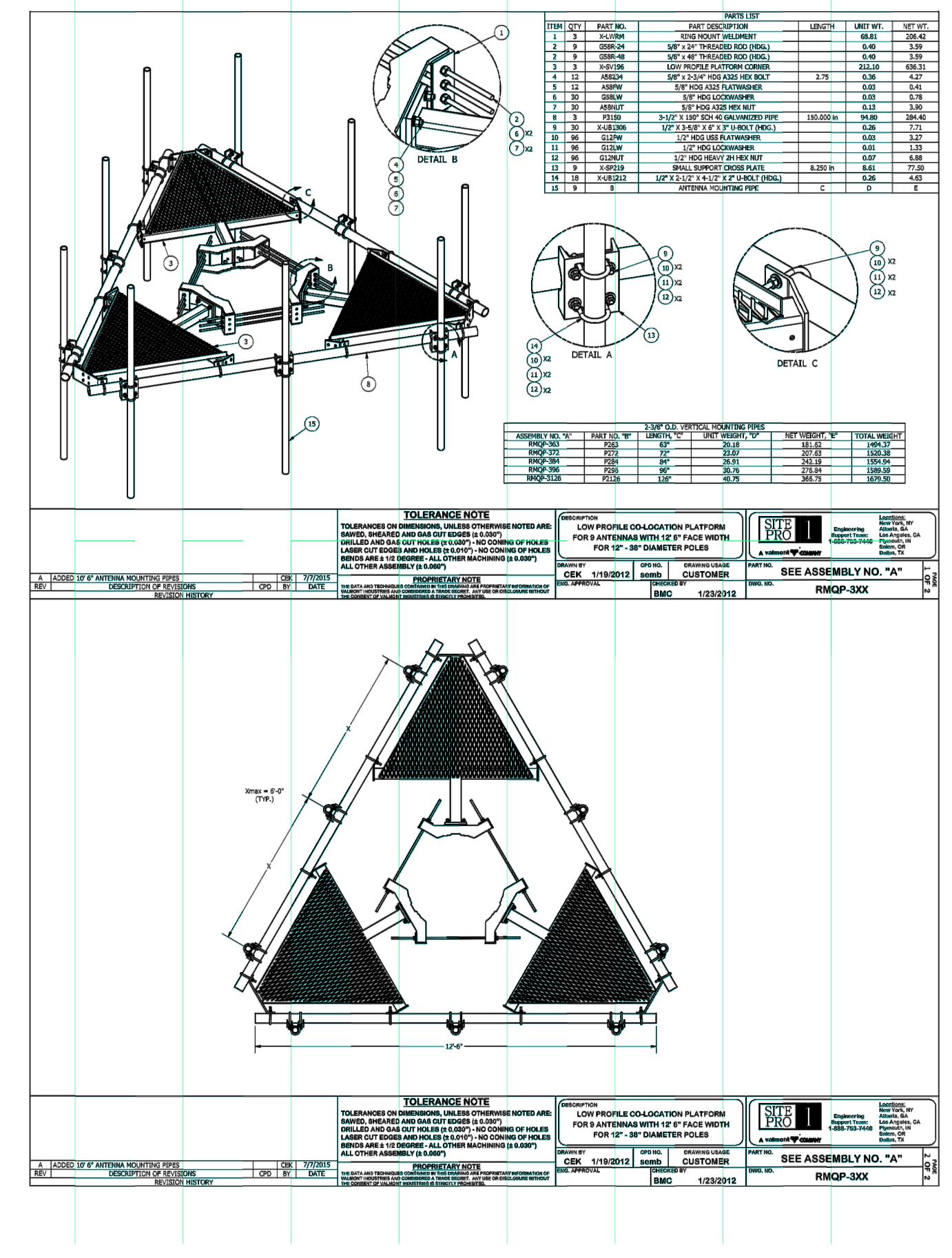
EQUIPMENT SCHEDULE & EQUIPMENT DETAILS

SHEET NUMBER

C-5

N WIRELESS SITE NAME: TILL EI





verizon

126 W GEMINI DR TEMPE, AZ 85283

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Tectonic Engineering Consultants P.C.
3923 South McClintock Dr.
Suite 409 Phone: (480) 629-5533
Tempe, AZ 85282 (800) 829-6531
www.tectonicengineering.com

WORK ORDER NUMBER

8664.TUC EL CONQUISTADOR

JMR

 NO.
 DATE
 ISSUE

 0
 9/21/18
 FOR COMMENT

 1
 10/31/18
 FOR PERMIT

RELEASED BY DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

ORIGINAL SIZE IN INCHES

SITE INFORMATION

TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557 VZW PN: 20181799413

PLATFORM MOUNT DETAIL & EQUIPMENT DETAILS

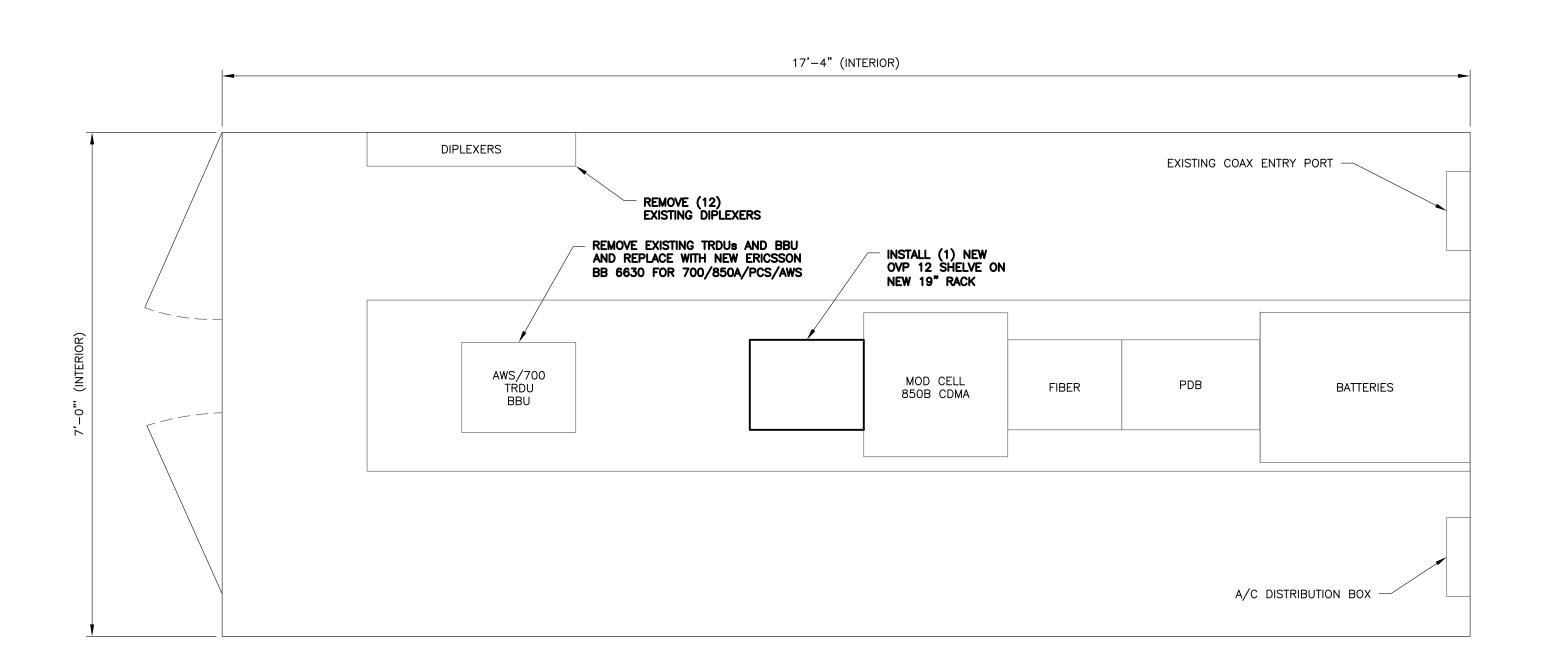
SHEET NUMBER

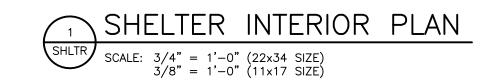
C-6

PROPOSED SITE PRO RMQP-396 DETAIL

SCALE: NTS









126 W GEMINI DR TEMPE, AZ 85283

Tectonic Engineering Consultants P.C. 3923 South McClintock Dr. Suite 409 Phone: (480 Tempe, AZ 85282 (800 Phone: (480) 629-5533 (800) 829-6531

COMMENT

FACILITY TO CONSIST OF THE FOLLOWING:

2. REMOVE (3) EXISTING PANEL ANTENNAS

5. REMOVE (3) EXISTING TMAS FROM TOWER

13. INSTALL (1) NEW ERICSSON BB-6630

14. INSTALL (1) NEW 6x12 HYBRIFLEX HYBRID CABLE 15. INSTALL (2) NEW OVP-SHELF IN SHELTER

6. REMOVE (3) EXISTING ATEL DPX-22 DIPLEXERS FROM SHELTER

7. REMOVE (3) EXISTING ATEL DPX-076 DIPLEXERS FROM SHELTER 8. REMOVE (6) EXISTING RFS FDL85002 DIPLEXERS FROM SHELTER 9. INSTALL (9) NEW PANEL ANTENNAS (REQUIRES NEW PLATFORM)

12. INSTALL (6) NEW COMMSCOPE CBC78 DUAL DIPLEXERS ON TOWER

1. REMOVE (1) EXISTING BBU

3. REMOVE (1) EXISTING AWS TRDU 4. REMOVE (1) EXISTING 700 TRDU

MODIFICATION TO AN EXISTING VERIZON WIRELESS UNMANNED TELECOMMUNICATIONS

10. INSTALL (3) NEW ERICSSON RRUS-4449 B13/B5 ON TOWER BEHIND ANTENNA 2 11. INSTALL (3) NEW ERICSSON RRUS-8843 B2/B66A ON TOWER BEHIND ANTENNA 3 WORK ORDER NUMBER DRAWN BY

8664.TUC EL CONQUISTADOR

www.tectonicengineering.com

NO. DATE ISSUE 0 9/21/18 FOR COMMENT 1 | 10/31/18 | FOR PERMIT

RELEASED BY

DATE



COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



TUC EL CONQUISTADOR 10375 N LA CANADA DR ORO VALLEY, AZ 85737 PIMA COUNTY

VZW LC: 157557 VZW PN: 20181799413

SHEET TITLE

SHELTER PLAN

SHEET NUMBER

SHLTR