



Referral Early Consultation

Date: May 12, 2022

To: Distribution List (See Attachment A)

From: Kristen Anaya, Assistant Planner. Planning and Community Development

Subject: STAFF APPROVAL APPLICATION NO. PLN2022-0040 – EPIC WIRELESS GROUP, LLC – STATE HIGHWAY 120

Respond By: May 31, 2022

******PLEASE REVIEW REFERRAL PROCESS POLICY******

The Stanislaus County Department of Planning and Community Development is soliciting comments from responsible agencies under the Early Consultation process to determine: a) whether or not the project is subject to CEQA and b) if specific conditions should be placed upon project approval.

Therefore, please contact this office by the response date if you have any comments pertaining to the proposal. Comments made identifying potential impacts should be as specific as possible and should be based on supporting data (e.g., traffic counts, expected pollutant levels, etc.). Your comments should emphasize potential impacts in areas which your agency has expertise and/or jurisdictional responsibilities.

These comments will assist our Department in preparing the conditions for a Staff Approval. Therefore, please list any conditions that you wish to have included as well as any other comments you may have. Please return all comments and/or conditions as soon as possible or no later than the response date referenced above.

Thank you for your cooperation. Please call (209) 525-6330 if you have any questions.

Applicant: AT&T Mobility c/o Epic Wireless Group, LLC

Project Location: 11506 State Highway 108/120, between Wamble Road and the Clavey Siphon, in the Oakdale area.

APN: 010-024-006

Williamson Act Contract: N/A

General Plan: Agriculture

Current Zoning: General Agriculture (A-2-40)

Project Description: Request to establish a wireless communications facility on a 26± acre parcel in the General Agriculture (A-2-40) zoning district. This proposal includes the installation of a 130-foot-tall monopole on the western portion of the property, which will include: a 3-foot-tall lightning rod at the top of the monopole, 15 antennas, 18 RRUS, and four (4) surge suppressors at the 126-foot centerline. Proposed ground equipment includes: one utility cabinet with H-Frame, a walk-in equipment cabinet, and a 30kw diesel generator with a 190-gallon backup fuel tank. The project lease area will be 1,600± square-foot in size and be enclosed by a livestock fence. A 15-foot-wide non-exclusive access and utility easement is proposed to provide access to State Highway 108/120. The facility will be generally unmanned; however, up to two technicians are anticipated to access the site one day a month for routine maintenance. The site is currently improved with a single-family dwelling, residential and agricultural accessory structures, and ground-mount solar arrays which off-set the on-site ag pump. The proposed monopole will meet all applicable siting standards outlined under County Code Section 21.91.030 – *Siting standards*.

Full document with attachments available for viewing at:
<http://www.stancounty.com/planning/pl/act-projects.shtm>



DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

1010 10TH Street, Suite 3400, Modesto, CA 95354
Planning Phone: (209) 525-6330 Fax: (209) 525-5911
Building Phone: (209) 525-6557 Fax: (209) 525-7759

**STAFF APPROVAL APPLICATION NO. PLN2022-0040 – EPIC WIRELESS GROUP, LLC – STATE
HIGHWAY 120**

Attachment A

Distribution List

X	CROP DUSTERS	X	STAN CO ALUC
X	FIRE PROTECTION DIST: OAKDALE RURAL	X	STAN CO BUILDING PERMITS DIVISION
X	IRRIGATION DIST: OAKDALE	X	STAN CO ERC
X	STAN CO PUBLIC WORKS	X	STAN CO HAZARDOUS MATERIALS
X	STANISLAUS LAFCO	X	STAN CO SUPERVISOR DIST 1: B. CONDIT
X	SURROUNDING LAND OWNERS	X	STANISLAUS FIRE PREVENTION BUREAU
X	PACIFIC GAS & ELECTRIC	X	MOSQUITO ABATEMENT DISTRICT: EASTSIDE

STANISLAUS COUNTY CEQA REFERRAL RESPONSE FORM

TO: Stanislaus County Planning & Community Development
1010 10th Street, Suite 3400
Modesto, CA 95354

FROM: _____

SUBJECT: STAFF APPROVAL APPLICATION NO. PLN2022-0040 – EPIC WIRELESS GROUP, LLC – STATE HIGHWAY 120

Based on this agency's particular field(s) of expertise, it is our position the above described project:

- _____ Will not have a significant effect on the environment.
- _____ May have a significant effect on the environment.
- _____ No Comments.

Listed below are specific impacts which support our determination (e.g., traffic general, carrying capacity, soil types, air quality, etc.) – (attach additional sheet if necessary)

- 1.
- 2.
- 3.
- 4.

Listed below are possible mitigation measures for the above-listed impacts: *PLEASE BE SURE TO INCLUDE WHEN THE MITIGATION OR CONDITION NEEDS TO BE IMPLEMENTED (PRIOR TO RECORDING A MAP, PRIOR TO ISSUANCE OF A BUILDING PERMIT, ETC.):*

- 1.
- 2.
- 3.
- 4.

In addition, our agency has the following comments (attach additional sheets if necessary).

Response prepared by:






Name	Title	Date
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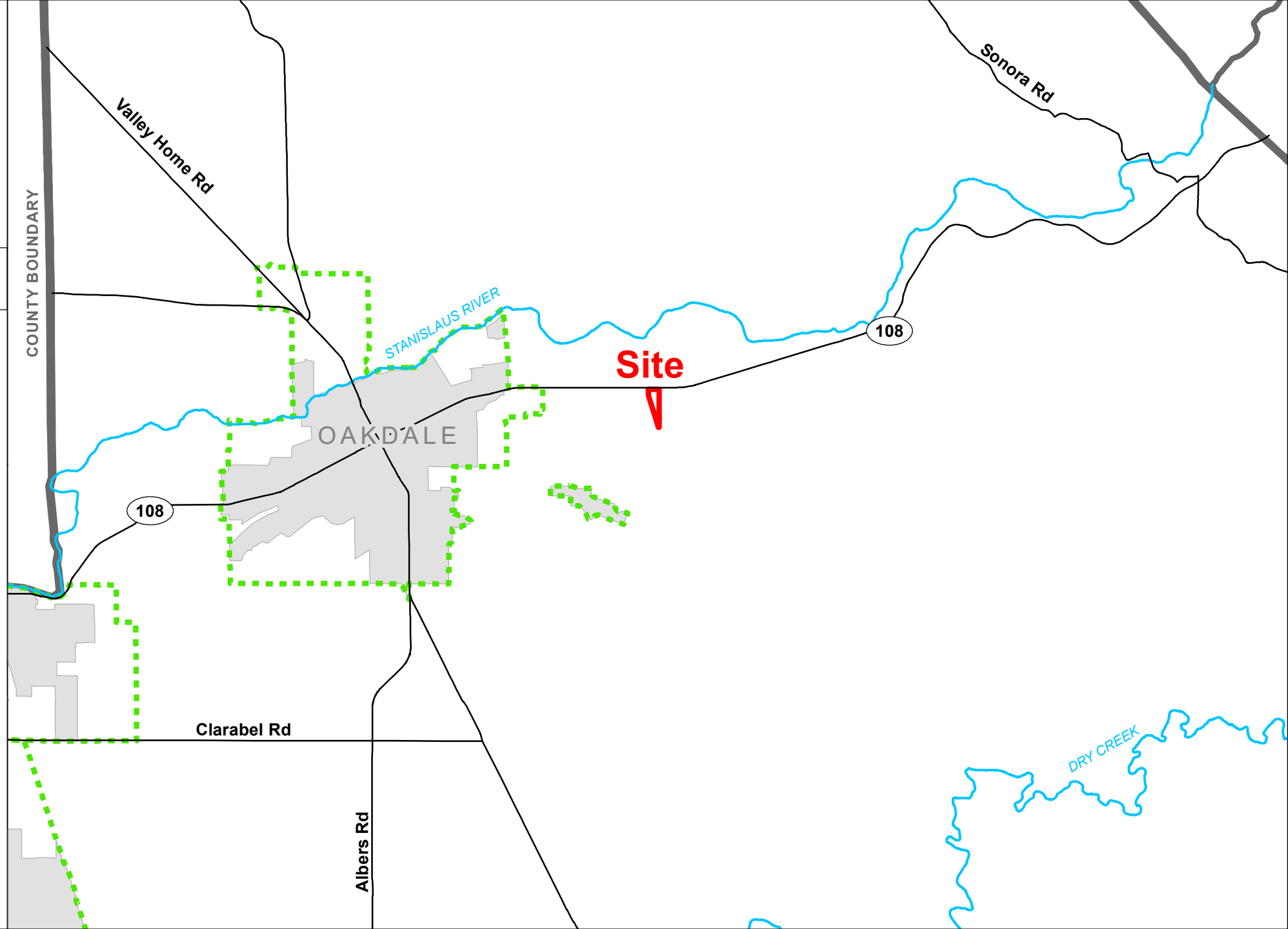
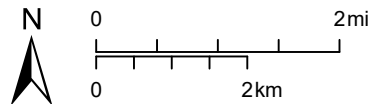
EPIC WIRELESS GROUP LLC

SAA
PLN2022-0040

AREA MAP

LEGEND

-  Project Site
-  Sphere of Influence
-  City
-  Road
-  River





EPIC WIRELESS GROUP LLC




SAA
PLN2022-0040

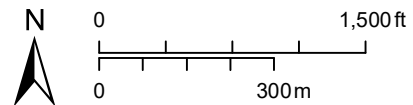
GENERAL PLAN MAP

LEGEND

-  Project Site
-  Parcel
-  Road
-  Canal

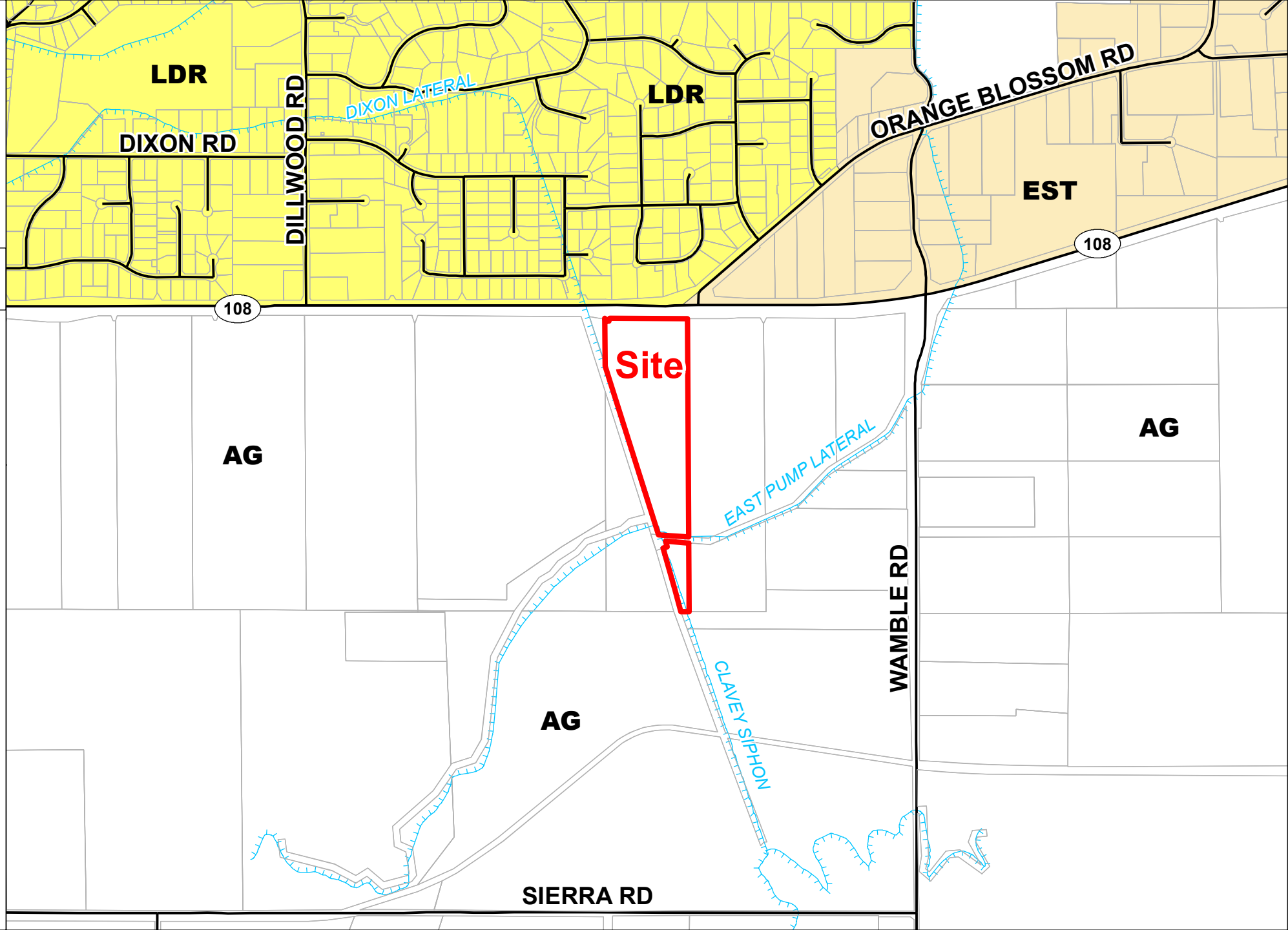
General Plan

-  Agriculture
-  Low Density Residential
-  Estate Residential



Source: Planning Department GIS

Date: 4/4/2022



EPIC WIRELESS GROUP LLC

SAA
PLN2022-0040

ZONING MAP


LEGEND

 Project Site

 Parcel

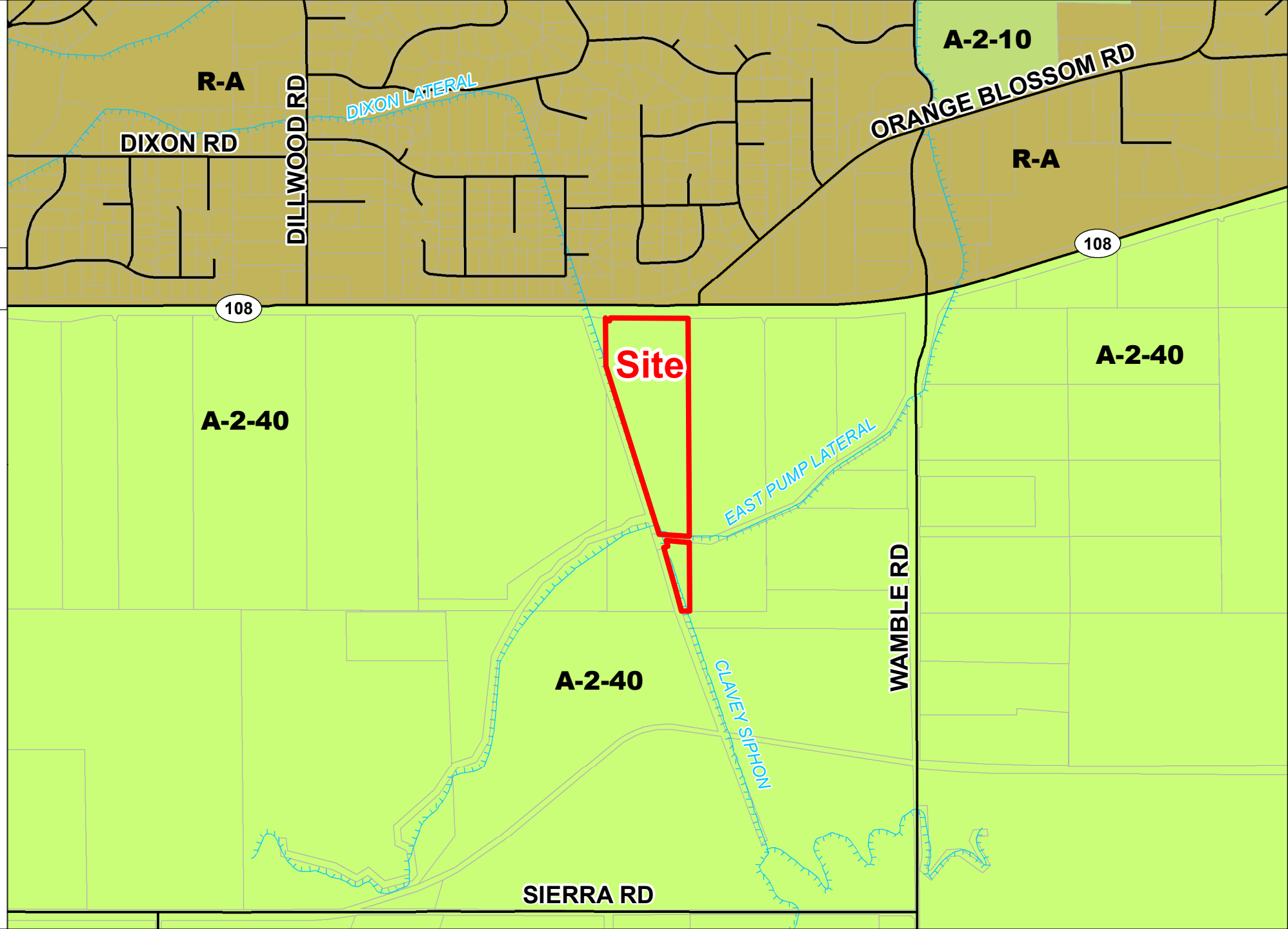
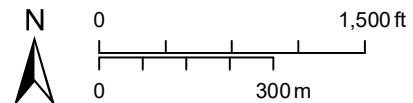
 Road  Canal

Zoning Designation

 Rural Residential

 General Agriculture 10 Acre

 General Agriculture 40 Acre






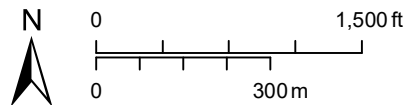
EPIC WIRELESS GROUP LLC

SAA
PLN2022-0040

2021 AERIAL AREA MAP

LEGEND

-  Project Site
-  Road
-  Canal






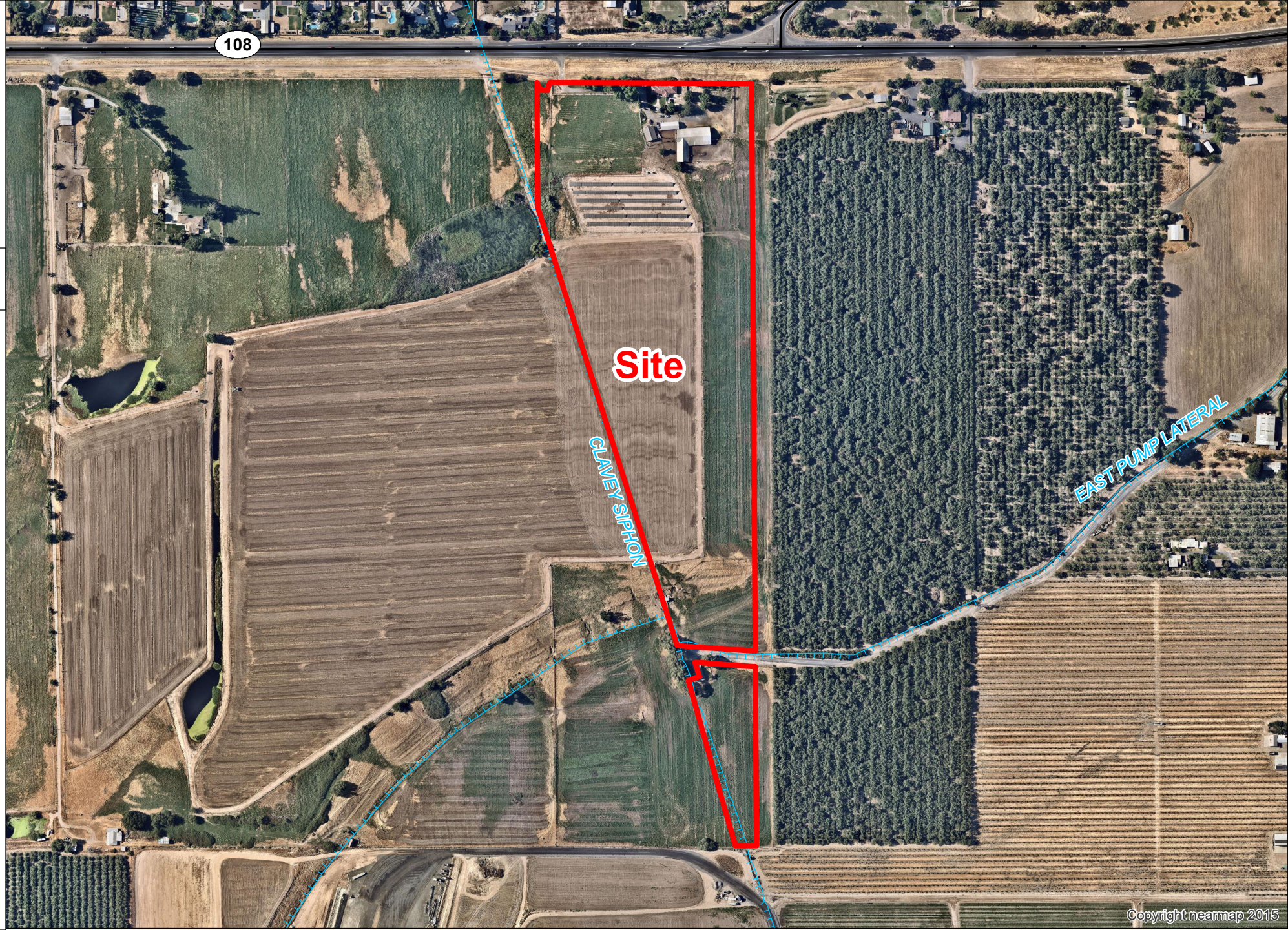
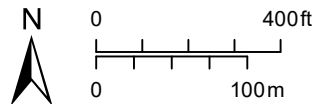
EPIC WIRELESS GROUP LLC

SAA
PLN2022-0040

2021 AERIAL SITE MAP

LEGEND

-  Project Site
-  Road
-  Canal





SITE NUMBER: CVL01730
SITE NAME: 108 & ORANGE BLOSSOM

11506 STATE HIGHWAY 120
OAKDALE, CA 95361

JURISDICTION: STANISLAUS COUNTY

PACE #MRSFR079348, PTN#3701A0YP16, FA LOCATION #15541177

SITE TYPE: MONOPOLE & WIC ON MOD G PRECAST

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV
RENOVATED SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY IN A (P) 40' X 40' (1600 SF) AT&T LEASE AREA TO INCLUDE THE FOLLOWING: 1. INSTALL AT&T APPROVED WALK IN CABINET (SABRE WIC) AND ASSOCIATED INTERIOR EQUIPMENT ATOP NEW MOD G PRECAST PLATFORM 2. ADD (1) NEW GPS UNIT ATTACHED TO WIC WALL 3. ADD NEW UTILITY H-FRAME W/ NEW METER, CIENA, HOFFMAN BOX, FIRE EXTINGUISHER, AND SECURITY LIGHT 4. ADD NEW ANTENNA SECTOR MOUNTS 5. ADD (12) ANTENNAS, (4) PER SECTOR 6. ADD (18) RRUS (6) PER SECTOR AND (1) SQUID SURGE PROTECTOR PER SECTOR 7. ADD (1) VERTIV SPD BOX 8. ADD (P) 30kw DIESEL GENERATOR ON MOD G PRECAST PLATFORM 9. ADD (1) STEPDOWN TRANSFORMER BY OTHERS 10. ADD ABOVE GROUND ICE BRIDGE 11. ADD NEW LEASE AREA PERIMETER CHAINLINK FENCING 12. ADD POWER & FIBER UNDERGROUND CONDUIT 13. ADD LIVESTOCK FENCE TO MATCH EXISTING	<p><u>Property Information:</u></p> <p>Site Name: 108 & ORANGE BLOSSOM</p> <p>Site Number: CVL01730</p> <p>Search Ring: CVL01730/108 & ORANGE BLOSSOM</p> <p>FA #: 15541177</p> <p>Site Address: 11506 STATE HIGHWAY 120 OAKDALE, CA 95361</p> <p>APN Number: 010-024-006-000</p> <p>Jurisdiction: STANISLAUS COUNTY</p> <p>Latitude: N 37° 46' 31.52" (NAD83)</p> <p>Longitude: W 120° 47' 02.74" (NAD83)</p> <p>Ground Elevation: 229.2' AMSL</p> <p><u>Property Owner:</u></p> <p>WILLIAM HOEKSTRA 10836 STATE HIGHWAY 120 OAKDALE, CA 95361</p> <p><u>Power Agency:</u></p> <p>PG&E 1 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 ph: 1-800-743-5000</p> <p><u>Telephone Agency:</u></p> <p>AT&T 525 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 ph: 1-800-310-2355</p>	<p><u>Applicant / Lessee:</u></p> <p>AT&T Mobility Northern California contact: Taylika Logan Burks email: tt784a@att.com</p> <p><u>Site Acquisition:</u></p> <p>Epic Wireless Group LLC contact: Ashley Smith email: ashley.smith@epicwireless.net ph: (916) 247-1749</p> <p><u>Construction Manager:</u></p> <p>Epic Wireless Group LLC contact: Pete Manas email: pete.manas@epicwireless.net ph: (530) 383-5957</p> <p><u>Architect / Engineer:</u></p> <p>Meridian Management LLC contact: Rodney Barnes email: rodney@meridian.management ph: (707) 592-5924</p> <p><u>RF Engineer:</u></p> <p>AT&T RAN Design & RF Engineering contact: Jake Baluyut email: jlb7714@att.com</p> <p><u>Surveyor:</u></p> <p>Gell Engineering contact: Neil Rohde email: nrohde@gellengineering ph: (530) 305-8525</p> <p><u>Civil Vendor:</u></p> <p>Qualtek Wireless 1200 Del Paso, Suite 150 Sacramento, CA 95608 contact: Matthew Stewart email: mstewart@qualtekwireless.com ph: (702) 622-9458</p>	T-1 TITLE SHEET C-1 SITE SURVEY A-1 OVERALL SITE PLAN, ENLARGED SITE PLAN A-2 RF SCHEDULE, MOD G PRECAST PLATFORM, SECTOR FRAME, ANTENNA PLAN, A-3 ANTENNA SECTOR ELEVATIONS E-3 SINGLE LINE DIAGRAM, POWER PANEL SCHEDULE, ELECTRICAL DETAILS U-1 UTILITY LOCATE	
CODE COMPLIANCE	VICINITY MAP	DIRECTIONS FROM AT&T	SITE IMAGE	
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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1) 2019 CALIFORNIA ADMINISTRATIVE CODE, CHAPTER 10, PART 1, TITLE 24 CODE OF REGULATIONS 2) 2019 CALIFORNIA BUILDING CODE (CBC) WITH CALIFORNIA AMENDMENTS, BASED ON THE 2018 IBC (PART 2, VOL 1-2) 3) 2019 CALIFORNIA RESIDENTIAL CODE (CRC) WITH APPENDIX H, PATIO COVERS, BASED ON THE 2018 IRC (PART 2.5) 4) 2019 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN) (PART 11) (AFFECTED ENERGY PROVISIONS ONLY) 5) 2019 CALIFORNIA FIRE CODE (CFC), BASED ON THE 2018 IFC, WITH CALIFORNIA AMENDMENTS (PART 9) 6) 2019 CALIFORNIA MECHANICAL CODE (CMC), BASED ON THE 2018 UMC (PART 4) 7) 2019 CALIFORNIA PLUMBING CODE (CPC), BASED ON THE 2018 UPC (PART 5) 8) 2019 CALIFORNIA ELECTRICAL CODE (CEC) WITH CALIFORNIA AMENDMENTS, BASED ON THE 2017 NEC (PART 3) 9) 2019 CALIFORNIA ENERGY CODE (CEC) 10) ANSI / BIA-TIA-22-H 11) 2019 NFPA 101, LIFE SAFETY CODE 12) 2016 NFPA 72, NATIONAL FIRE ALARM CODE 13) 2016 NFPA 13, FIRE SPRINKLER CODE		1. GET ON I-680 S FROM EXECUTIVE PKWY, CAMINO RAMON AND BOLLINGER CANYON RD 2. HEAD SOUTHWEST AND TURN LEFT TOWARD EXECUTIVE PKWY 3. TURN RIGHT ONTO CAMINO RAMON 4. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD 5. USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE 6. TAKE I-580 E AND I-205 E TO CA-120 E/E YOSEMITE AVE IN MANTECA. TAKE EXIT 242 FROM CA-120 E/CA-99 N 7. MERGE ONTO I-680 S AND TAKE EXIT 30A TO MERGE ONTO I-580 E TOWARD STOCKTON 8. CONTINUE ON I-205 E, FOLLOW SIGNS FOR INTERSTATE 205/TRACY/STOCKTON AND MERGE ONTO I-5 N 9. USE THE RIGHT 2 LANES TO TAKE EXIT 461 FOR CA-120 TOWARD MANTECA/SONORA 10. CONTINUE ONTO CA-120 E AND USE THE LEFT LANE TO MERGE ONTO CA-120 E/CA-99 N TOWARD SACRAMENTO/SONORA N 11. USE THE RIGHT LANE TO TAKE EXIT 242 FOR CA-120 E/YOSEMITE AVE TOWARD SONORA 12. DRIVE TO CA-108 E/CA-120 E IN EAST OAKDALE 13. USE THE RIGHT 2 LANES TO TURN RIGHT AFTER WENDY'S (ON THE RIGHT) 14. CONTINUE TO FOLLOW CA-120 E AND TURN LEFT ONTO CA-108 E/CA-120 E/E F ST 15. CONTINUE TO FOLLOW CA-108 E/CA-120 E 16. PASS BY O'REILLY AUTO PARTS (ON THE RIGHT), DESTINATION WILL BE ON THE RIGHT		
OCCUPANCY AND CONSTRUCTION TYPE	SPECIAL INSPECTIONS	APPROVALS	GENERAL CONTRACTOR NOTES	
OCCUPANCY : U (UNMANNED) CONSTRUCTION TYPE: V-B DISABLED ACCESS REQUIREMENTS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY ACCESS IS NOT REQUIRED, IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CODE OF REGULATIONS, TITLE 24, PART 2, VOLUME 1, CHAPTER 11B, DIVISION 2, SECTION 11B-203.5	1. ANCHOR BOLTS WET-SET INTO CONCRETE 2. EXPANSION BOLTS INTO EXISTING CONCRETE 3. HIGH STRENGTH BOLTING 4. WELDING 5. STEEL REINFORCEMENT / REBAR PLACEMENT 6. STEEL MATERIAL VERIFICATION 7. SOILS ENGINEER TO INSPECT DRILLED PIERS	APPROVED BY: AT&T: VENDOR: R.F.: LEASING / LANDLORD: ZONING: CONSTRUCTION: POWER / TELCO: PG&E:	DO NOT SCALE DRAWINGS THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.	

AT&T Site ID:
CVL01730
108 & ORANGE BLOSSOM
11506 STATE HIGHWAY 120
OAKDALE, CA 95361
Stanislaus County

Vendor:

Epic Wireless Group LLC
605 Coolidge Drive, Suite 100
Folsom, CA 95630

Prepared For:

AT&T
5001 Executive Parkway
San Ramon, California 94583

Architect:

Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
1707.592.5924
www.meridian.management

AT&T SITE NO: CVL01730
FA#: 15541177
DRAWN BY: JG
CHECKED BY: RB

REV	DATE	DESCRIPTION
4	03/18/22	100% ZONING DWGS
3	12/20/21	100% ZONING DWGS
2	12/08/21	90% ZONING DWGS
1	11/18/21	90% ZONING DWGS

Licenser:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Issued For:
03/18/22
100% ZONING DWGS

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

All that certain lease area being a portion of that certain Parcel One as is described the Affidavit – Death of Trustee filed as Document 2020-0036404-00, Stanislaus County Records, and being located in the Southeast 1/4 of Section 8, Township 2 South, Range 11 East, M.D.B. & M.; being more particularly described as follows:

Together with a non-exclusive easement for access purposes being fifteen feet in width, the centerline of which is described as follows: beginning at the midpoint on the North boundary of the above described lease area and running thence North 01°02'28" West 340.7 feet more or less to the public right of way more commonly known as State Hwy 108/120.

A.T.& T. Mobility

Project Site Location: 11506 State Hwy 120
Oakdale, CA 95361
Stanislaus County

Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.

Coordinates
Latitude: N 37° 46' 31.52" (NAD83) N 37° 46' 31.78" (NAD27)
Longitude: W 120° 47' 02.74" (NAD83) W 120° 46' 58.99" (NAD27)

CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed 1-A Standards as defined in the FAA ASAC Information Sheet 91:003, and that they are true and accurate to the best of my knowledge and belief.

Kenneth D. Geil California RCE 14803

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803

LOCATED IN THE COUNTY OF STANISLAUS, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD
INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.

N.G.V.D. 1929 CORRECTION: SUBTRACT 2.52' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: 1"

CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.

ASSESSOR'S PARCEL NUMBER: 010-024-006-000

OWNER(S): WILLIAM HOEKSTRA
10836 STATE HWY 120
OAKDALE, CA 95361

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

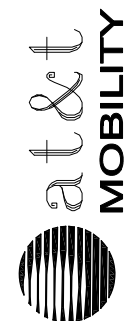
BOUNDARY SURVEY IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.

Surveyor

GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING

1226 HIGH STREET
AUBURN, CALIFORNIA 96603
phone: (530) 845-0428
fax: (530) 825-1509

Survivor

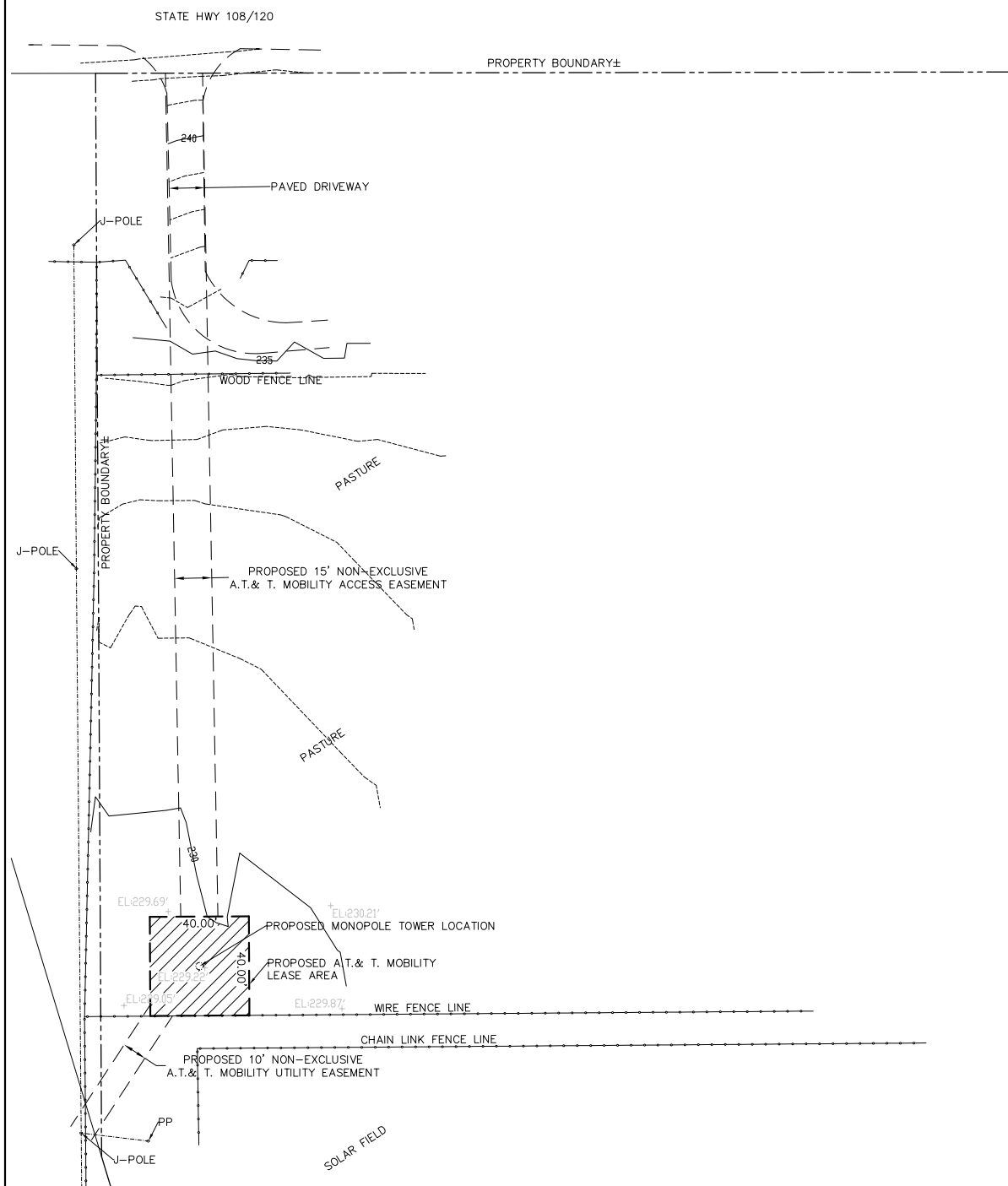
CVL01730
108 & ORANGE BLOSSOM

11506 STATE HWY 120
OAKDALE, CA 95361
PLOT PLAN AND
SITE TOPOGRAPHY

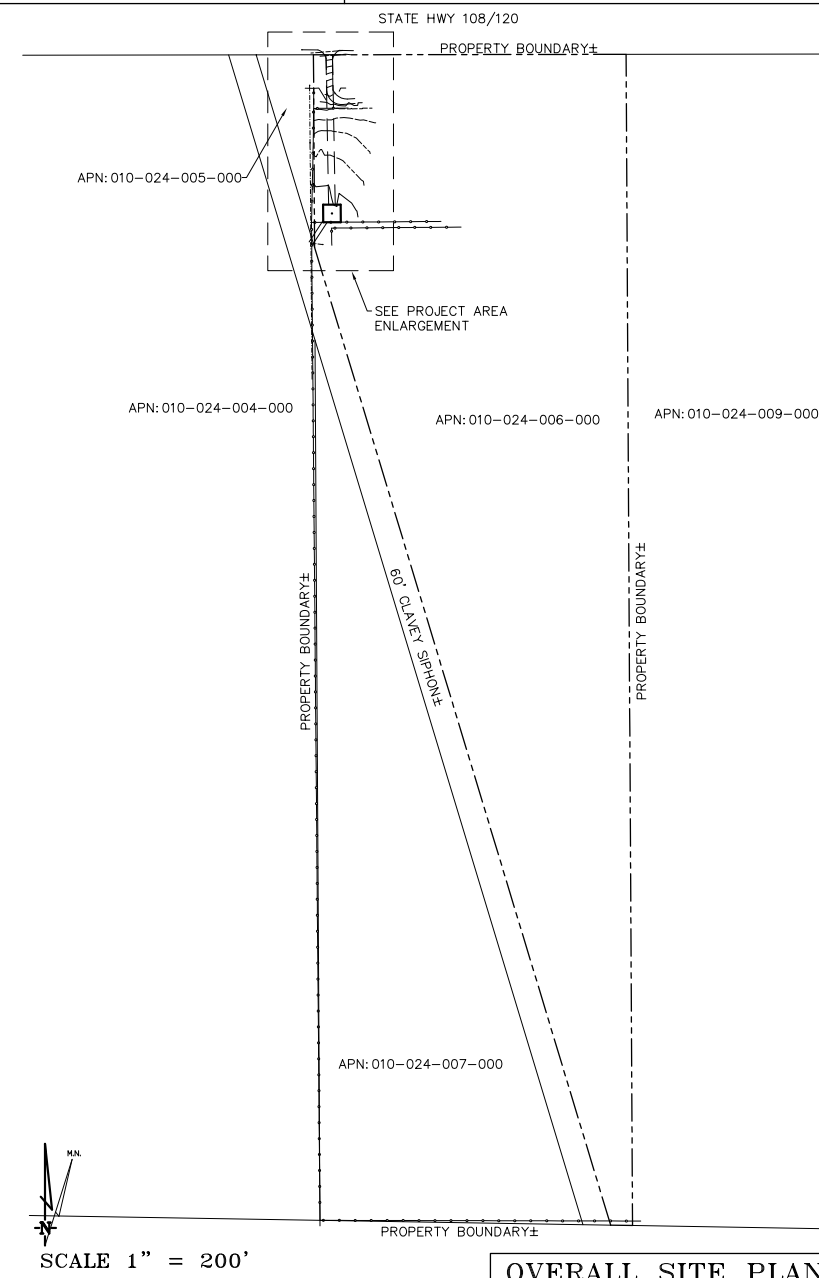
REVIEWS		
REV	10-28-21 N. ROHDE	DRAWING SUBMITTAL
REV	12-16-21 N. ROHDE	REDUNES
REV		
REV		
REV		
REV		

Sheet

C-1



PROJECT AREA ENLARGEMENT



OVERALL SITE PLAN

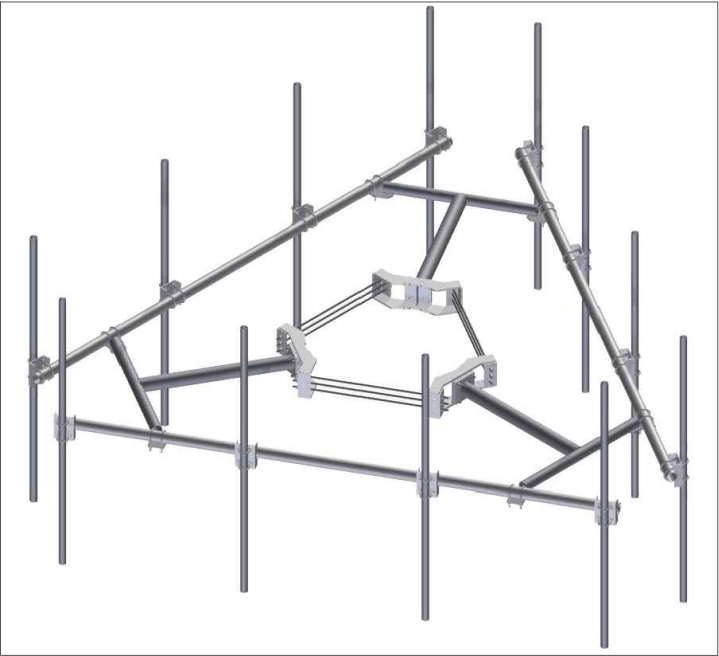
[illegible]

SHEET NUMBER:
A-1

RF SCHEDULE										
SECTOR	ANTENNA MODEL NO.		AZIMUTH	RAD CENTER	RRU MODEL NO.	RRU QTY	FIBER LENGTH	JUMPER QTY	JUMPER NO.	LENGTH
A L P H A	A1	CCI DMP65R-BU8EA-K	80°	± 126'-00"	(1) 4449 B5/B12, (1) 8843 B2/B66A	2	± 160'	-	-	-
	A2	ERICSSON AIR6449 B77D, AIR6419 B77G (STACKED)	80°	± 126'-00"	-	-	± 160'	-	-	-
	A3	CCI TPA-65R-BU8DA-K	80°	± 126'-00"	(1) 4478 B14, (1) 8843 B2/B66A	2	± 160'	-	-	-
	A4	CCI OPA65R-BU8DA-K	80°	± 126'-00"	(1) 2012 B29, (1) 4415 B30	1	± 160'	-	-	-
		SURGE SUPPRESSOR			SQUID #DC9-48-60-24-8C-EV	1				
B E T A	B1	CCI DMP65R-BU8EA-K	320°	± 126'-00"	(1) 4449 B5/B12, (1) 8843 B2/B66A	2	± 160'	-	-	-
	B2	ERICSSON AIR6449 B77D, AIR6419 B77G (STACKED)	320°	± 126'-00"	-	-	± 160'	-	-	-
	B3	CCI TPA-65R-BU8DA-K	320°	± 126'-00"	(1) 4478 B14, (1) 8843 B2/B66A	2	± 160'	-	-	-
	B4	CCI OPA65R-BU8DA-K	320°	± 126'-00"	(1) 2012 B29, (1) 4415 B30	1	± 160'	-	-	-
		SURGE SUPPRESSOR			SQUID #DC9-48-60-24-8C-EV	1				
G A M M A	C1	CCI DMP65R-BU8EA-K	200°	± 126'-00"	(1) 4449 B5/B12, (1) 8843 B2/B66A	2	± 160'	-	-	-
	C2	ERICSSON AIR6449 B77D, AIR6419 B77G (STACKED)	200°		-	-	± 160'	-	-	-
	C3	CCI TPA-65R-BU8DA-K	200°	± 126'-00"	(1) 4478 B14, (1) 8843 B2/B66A	2	± 160'	-	-	-
	C4	CCI OPA65R-BU8DA-K	200°	± 126'-00"	(1) 2012 B29, (1) 4415 B30	1	± 160'	-	-	-
		SURGE SUPPRESSOR			SQUID #DC9-48-60-24-8C-EV	1				

RF DATA SHEET V1.00 DATED 11/11/21
ANTENNA POSITIONS ARE LEFT TO RIGHT FROM FRONT OF ANTENNA

EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE



(P) SITE PRO 1 MODEL #ULP14-4XX ULTRA LOW PROFILE RIDGED T-ARM
FOR 12 ANTENNAS W/ MONOPOLE ATTACHMENT HARDWARE

AT&T Site ID:
CVL01730
108 & ORANGE BLOSSOM
11506 STATE HIGHWAY 120
OAKDALE, CA 95361
Stanislaus County

Vendor:

Epic Wireless Group LLC
605 Colledge Drive, Suite 100
Folsom, CA 95630

Prepared For:

5001 Executive Parkway
San Ramon, California 94583

Architect:

Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
1.707.592.5924
www.meridianmanagement.com

AT&T SITE NO:		CVL01730
FA#:		15541177
DRAWN BY:		JG
CHECKED BY:		RB
4	03/18/22	100% ZONING DWGS
3	12/20/21	100% ZONING DWGS
2	12/08/21	90% ZONING DWGS
1	11/18/21	90% ZONING DWGS
REV	DATE	DESCRIPTION

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03/18/22
100% ZONING DWGS

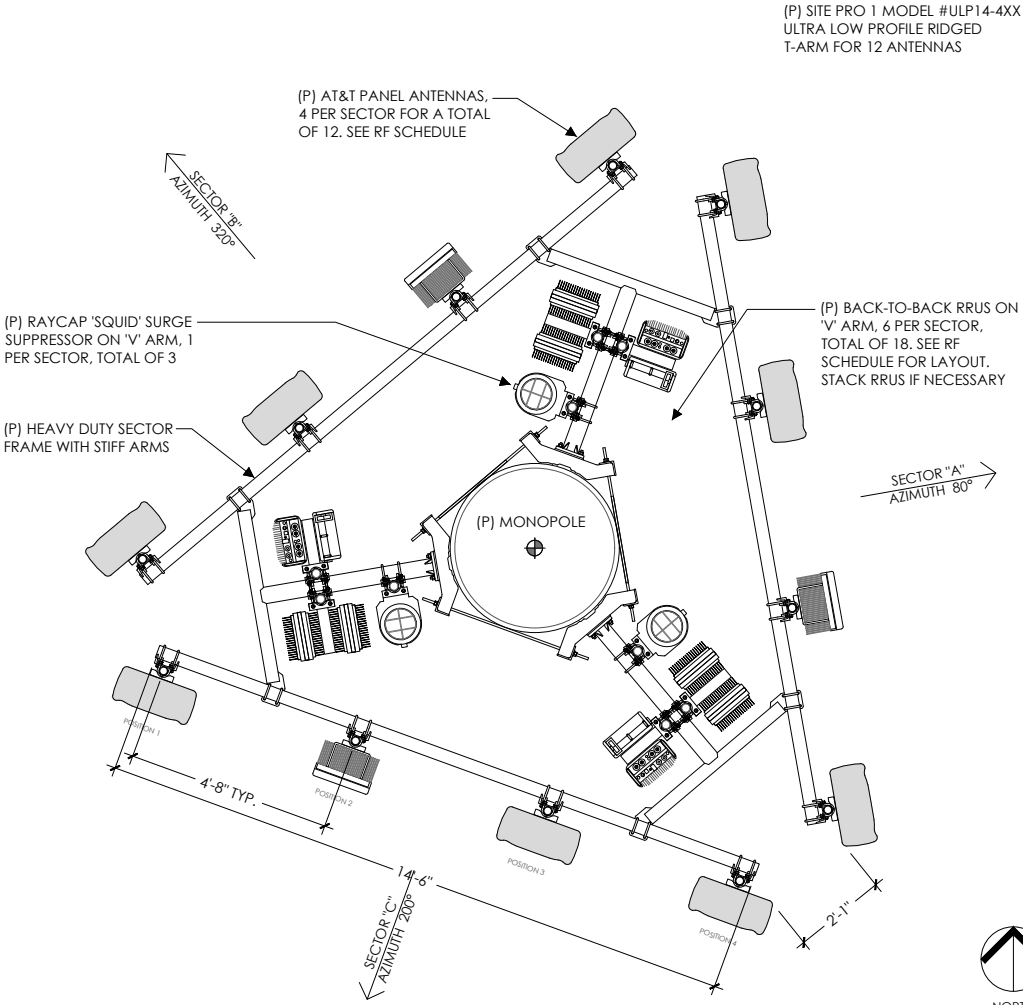
SHEET TITLE:
RF SCHEDULE
LEASE AREA PLAN
SECTOR FRAME
ANTENNA PLAN

SHEET NUMBER:
A-2

RF SCHEDULE

1 SECTOR FRAME

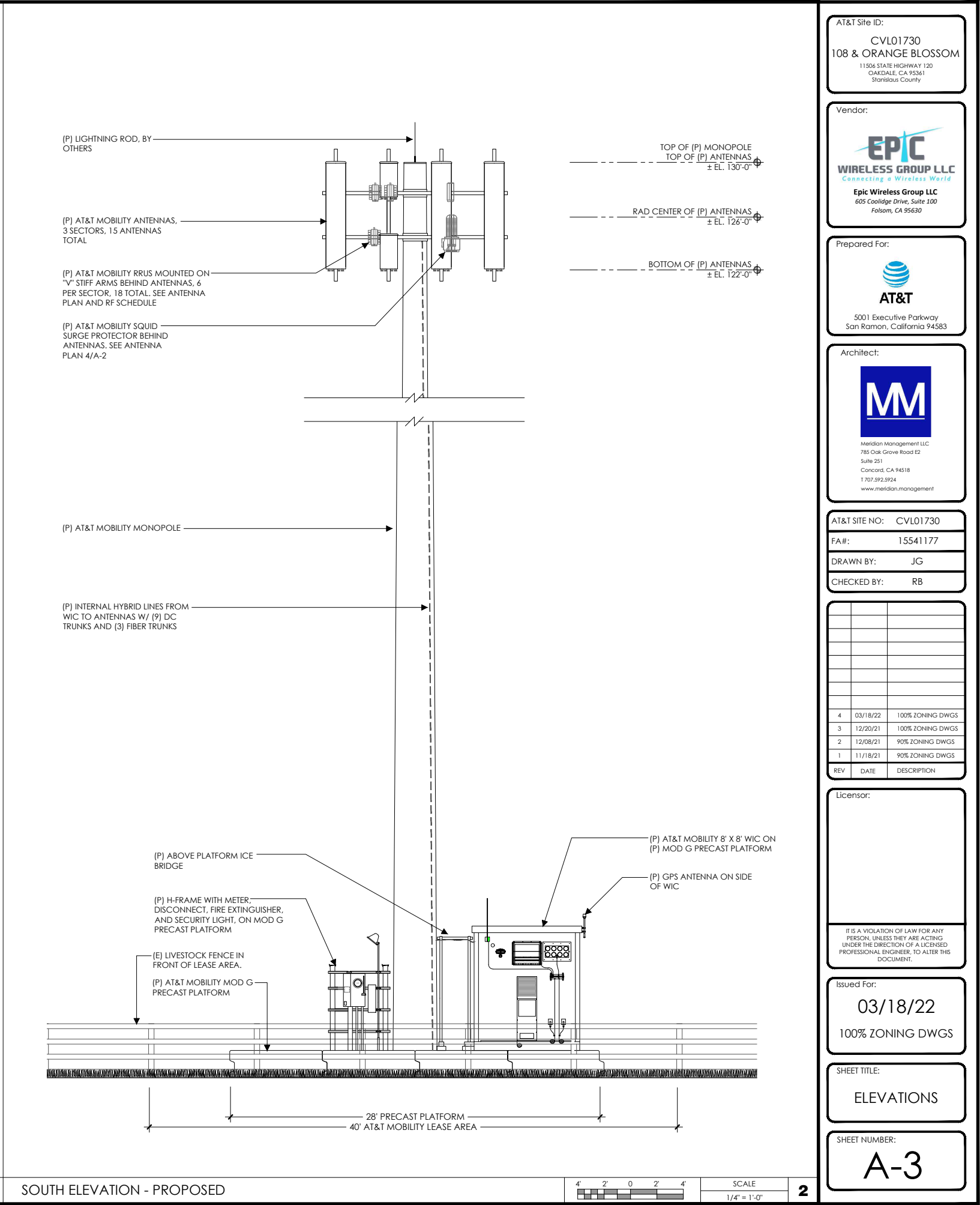
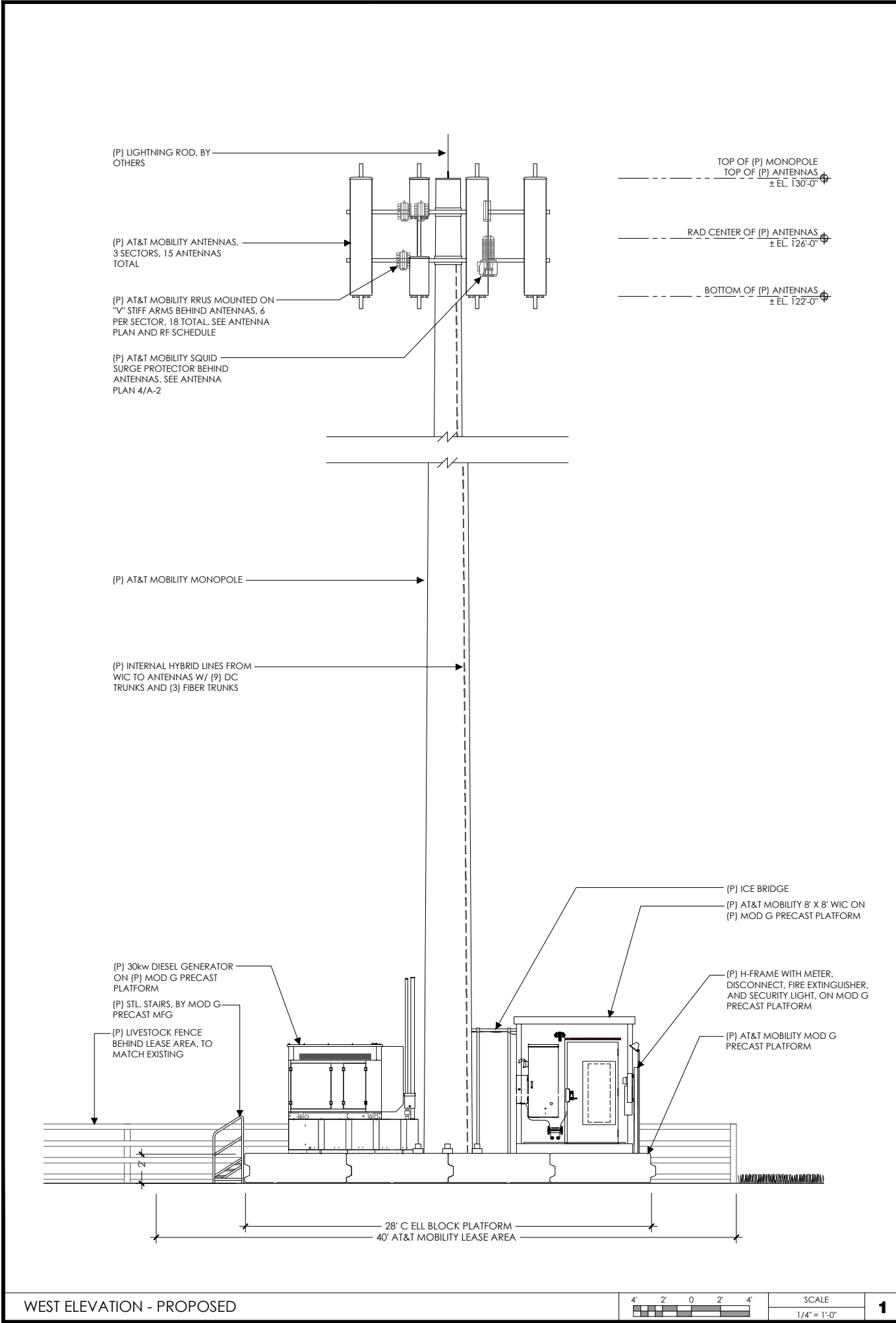
3



NOT USED

2 ANTENNA PLAN

4



AT&T Site ID:
CVL01730
108 & ORANGE BLOSSOM
11506 STATE HIGHWAY 120
OAKDALE, CA 95361
Stanislaus County

Vendor:
EPIC
WIRELESS GROUP LLC
Connecting a Wireless World
Epic Wireless Group LLC
605 Coalidge Drive, Suite 100
Folsom, CA 95630

Prepared For:
AT&T
5001 Executive Parkway
San Ramon, California 94583

Architect:
MM
Meridian Management LLC
785 Oak Grove Road E2
Suite 251
Concord, CA 94518
1.707.592.5924
www.meridianmanagement.com

AT&T SITE NO: CVL01730
FA#: 15541177
DRAWN BY: JG
CHECKED BY: RB

REV	DATE	DESCRIPTION
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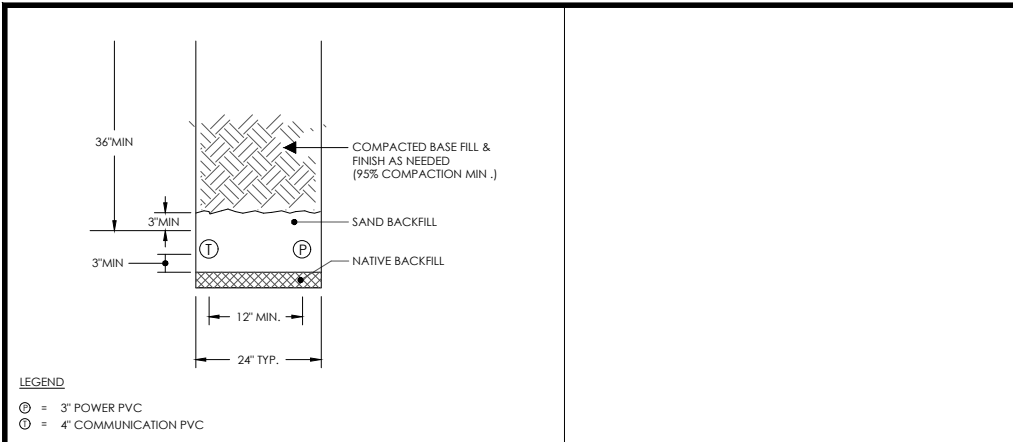
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100% ZONING DWGS

SHEET TITLE:
ELEVATIONS

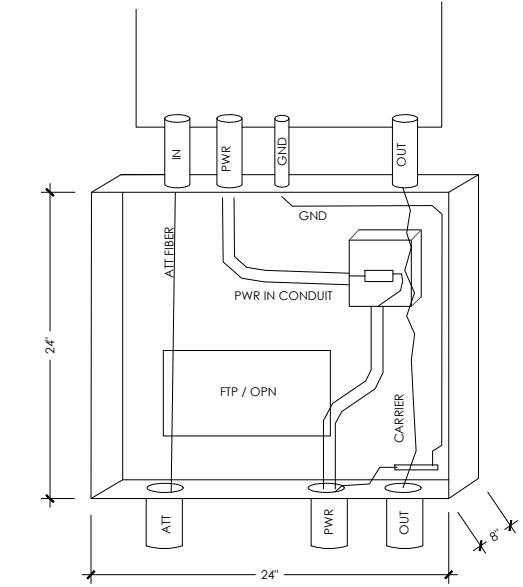
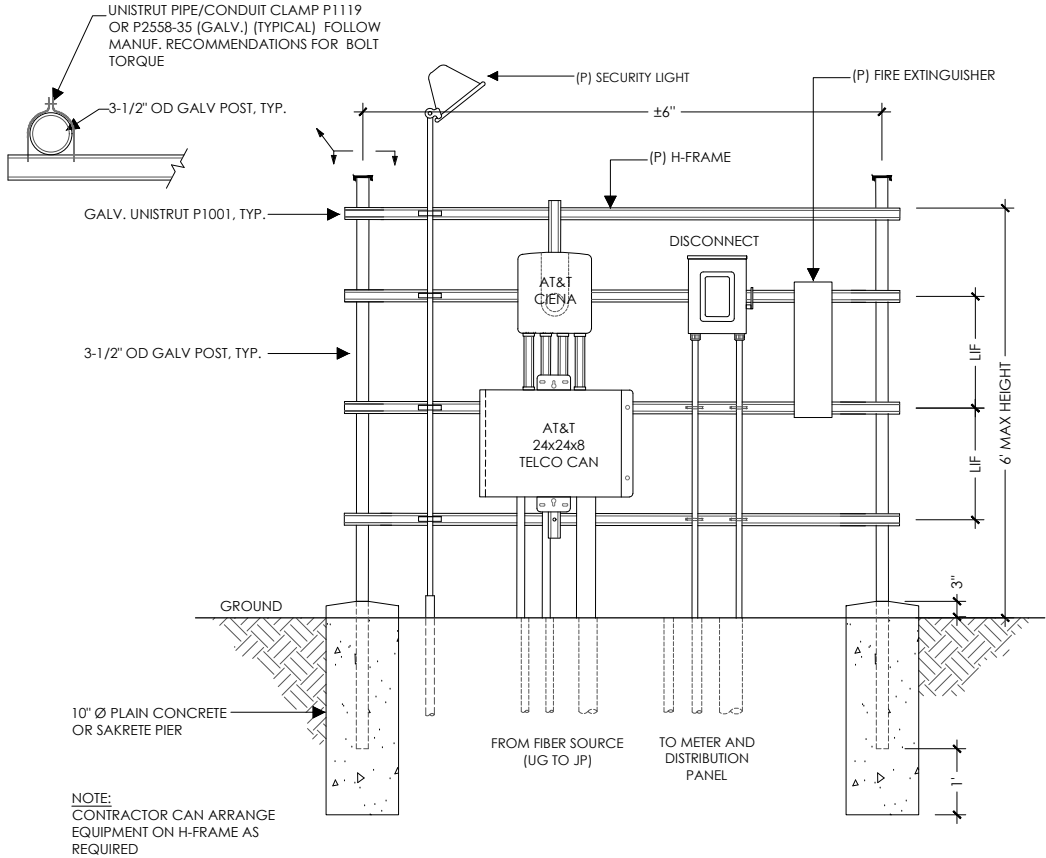
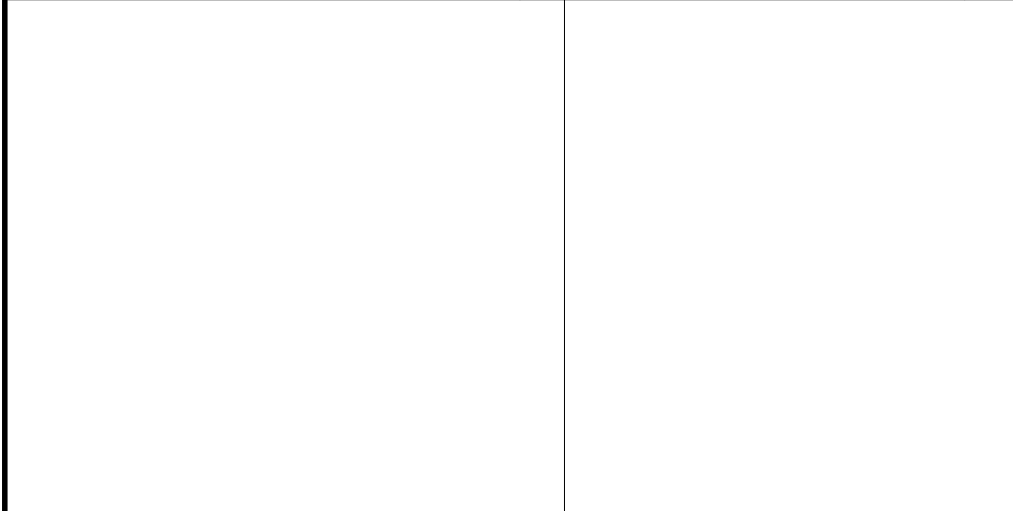
SHEET NUMBER:
A-3



UTILITY TRENCH DETAIL

1 NOT USED

2



- NOTES:
- 24"x24"x8" BOX MOUNTED NEXT TO OR BELOW EQUIPMENT LOCATION.
 - 3/4" BACKBOARD IN BOX
 - POWER LEADS MUST BE IN FLEX CONDUIT
 - 6"x6"x4" PLASTIC BOX MOUNTED ON RIGHT SIDE OF BACKBOARD
 - TERMINATION BLOCK TO BE PLACED IN 6x6 WITH FUSE
 - RUN GROUND WIRE ALONG OUTSIDE EDGE ON RIGHT SIDE OF BOX. MOVE GROUNDING BUSS TO RIGHT SIDE IF NECESSARY.
 - STUB OUT FLEX CONDUIT FROM TOP OF BOX TO MATCH 3931 CONDUIT PORTS. STUBS SHOULD BE 10 TO 12 INCHES IN LENGTH.
 - CARRIER WILL TERMINATE POWER ON ONE SIDE OF TERMINATION BLOCK. AT&T WILL TERMINATE ON THEIR SIDE, AND POP IN FUSE
 - FUSE SHOULD BE LEFT IN BOX PRIOR TO TURN UP

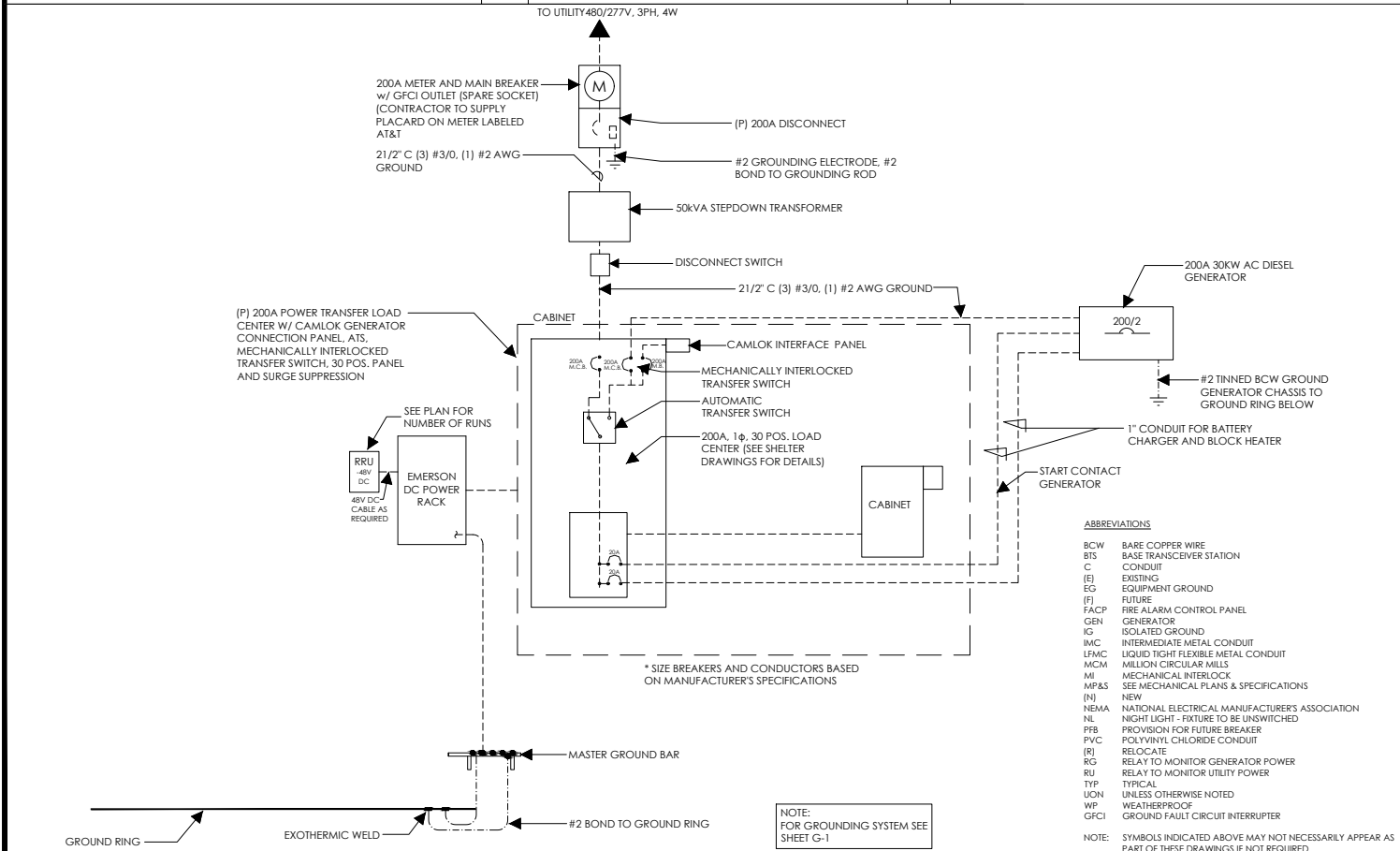
NOT USED

3 NOT USED

4 FIBER/POWER H-FRAME

6 AT&T FIBER PULL CAN

7



SINGLE LINE DIAGRAM

5

- NOTES:
- ALL WIRE TO BE #12 THHN/THWN UNLESS NOTED OTHERWISE. COLOR CODE:
 - AO = BLACK
 - BO = RED
 - NEUTRAL = WHITE
 - GROUND = GREEN
 - ALL WORK TO CONFORM TO N.E.C. LATEST STATE ADOPTED EDITION.
 - LABEL SERVICE DISCONNECT WITH A RED TAG.
 - SWITCH LEG CONDUCTORS SHALL BE THE SAME COLOR AS CIRCUIT CONDUCTORS.
 - PULL WIRES TO END OF FLEXIBLE NONMETALLIC CONDUIT. COIL 3'-0" AT END OF FLEXIBLE NONMETALLIC CONDUIT & TAG.
 - PULL ONE GROUND CONDUCTOR PER FLEXIBLE NONMETALLIC CONDUIT. FOR ALL OTHER CIRCUITS PULL A SEPARATE CONDUCTOR.
 - ALL GFCI RECEPTACLES TO HAVE A DEDICATED GROUND WIRE.
 - EQUIPMENT TERMINATION LUGS AND CONDUCTORS ARE RATED AT A MINIMUM OF 75°C.

LOAD		LOAD PER PHASE (VA)		LOAD	
DESCRIPTION	QTY.	UNIT KVA	PHASE	DESCRIPTION	QTY.
			A B		
1 SHELF 1 & SHELF 3 - PCU #1	1	1.000	1.000	EXT GFCI OUTLET	2
3 SHELF 1 & SHELF 3 - PCU #2	1	1.000	1.000	4 SHELF 1 & SHELF 3 - PCU #2	4
5 SHELF 1 & SHELF 3 - PCU #3	1	1.000	1.000	6 SHELF 1 & SHELF 3 - PCU #2	6
7 SHELF 1 & SHELF 3 - PCU #4	1	1.000	1.000	8 SHELF 2 & SHELF 4 - PCU #2	8
9 SHELF 2 & SHELF 4 - PCU #1	1	1.000	1.000	10 SHELF 2 & SHELF 4 - PCU #2	10
11 SHELF 2 & SHELF 4 - PCU #2	1	1.000	1.000	12 SHELF 1 & SHELF 3 - PCU #4	12
13 SPACE				14 SHELF 1 & SHELF 3 - PCU #4	14
15 SPACE				16 SPACE	16
17 SPACE				18 SPACE	18
19 SPACE				20 SPACE	20
21 SPACE				22 SPACE	22
23 SPACE				24 GEN BATTERY CHARGER	24
25 HVAC #1	1	3.6	3.6	26 GEN BLOCK HEATER	26
27 HVAC #1	1	3.6	3.6	28 EXTERIOR FLOOD LIGHTS	28
29 APPLIANCE OUTLETS	1	1.000	1.000	30 SPACE	30
SUBTOTAL CONTINUOUS		7.600	6.600	SUBTOTAL CONTINUOUS	
SUBTOTAL NON-CONTINUOUS		-	-	SUBTOTAL NON-CONTINUOUS	
SUBTOTAL SUB-PANEL		-	-	SUBTOTAL SUB-PANEL	
PANEL DESIGNATION: ELECTRICAL PANEL (ITEM 1)		MAIN BREAKER A.I.C. RATING: 22,000 A.I.C.		BRANCH BREAKER A.I.C. RATING: 10,000 A.I.C.	
MAIN LUGS: N/A		MAIN BREAKER: 200 AMP		BRANCH BREAKER TYPE: SQUARE D - BOLT ON	
VOLTAGE: 120/240		CYCLE: 60		WIRES: 3	
		PHASE: 1		MAIN COPPER BUS: 200 AMP	
				NEUTRAL: 200 AMPS	
				TOTAL KVA	
				TOTAL AMP	

WIC A/C PANEL SCHEDULE

8

AT&T Site ID:

CVL01730

108 & ORANGE BLOSSOM

11506 STATE HIGHWAY 120

OAKDALE, CA 95361

Stanislaus County

Vendor:

EPIC

WIRELESS GROUP LLC

Connecting a Wireless World

Epic Wireless Group LLC

605 Colledge Drive, Suite 100

Folsom, CA 95630

Prepared For:

AT&T

5001 Executive Parkway

San Ramon, California 94583

Architect:

MM

Melidian Management LLC

785 Oak Grove Road E2

Suite 251

Concord, CA 94518

1.707.592.5924

www.melidian.management

AT&T SITE NO: CVL01730

FA#: 15541177

DRAWN BY: JG

CHECKED BY: RB

REV	DATE	DESCRIPTION
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3	12/20/21	100% ZONING DWGS
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Issued For:

03/18/22

100% ZONING DWGS

SHEET TITLE:

SINGLE LINE DIAGRAM

POWER PANEL SCHEDULE

ELECTRICAL DETAILS

SHEET NUMBER:

E-3

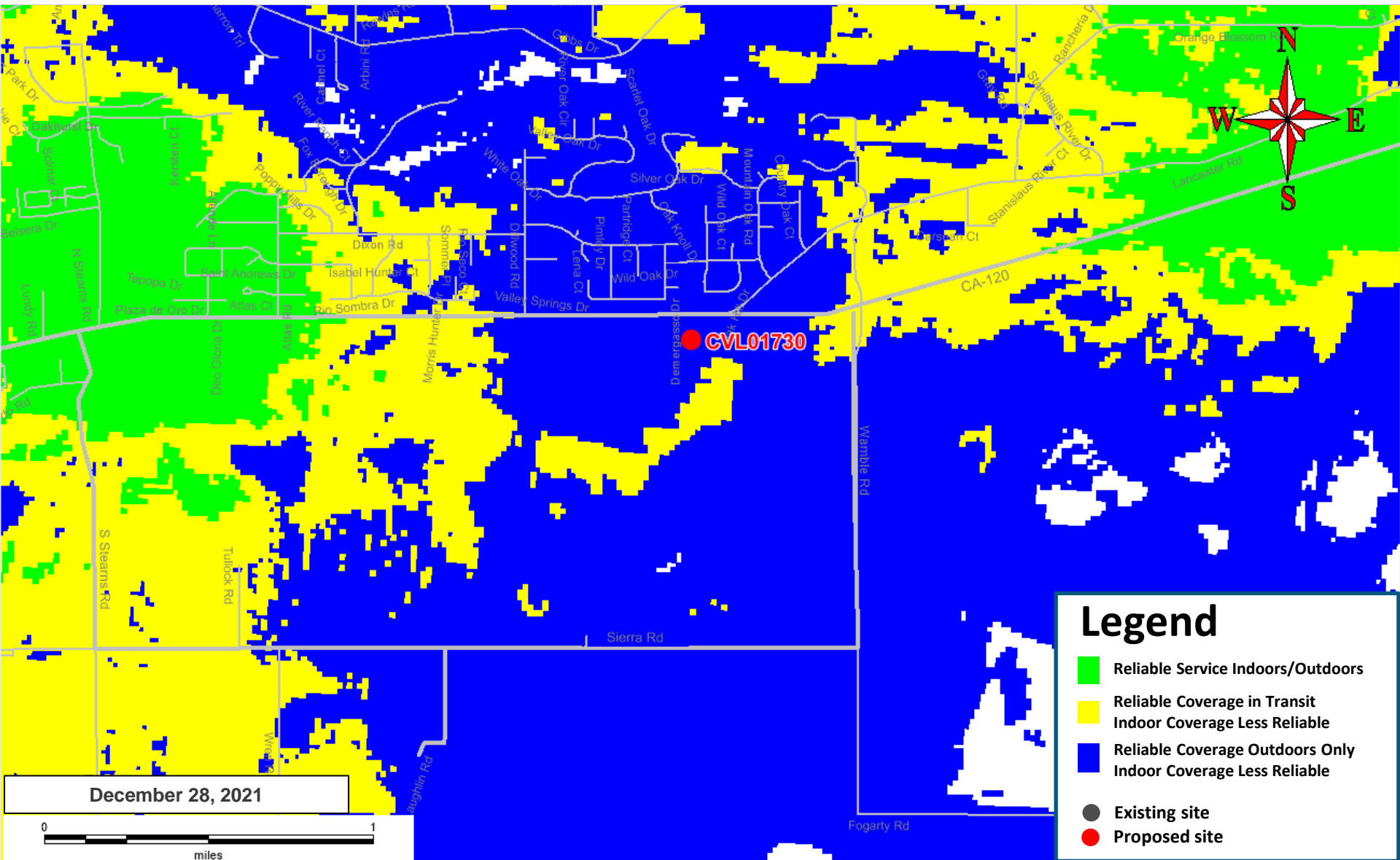


SHEET NUMBER:
U-1

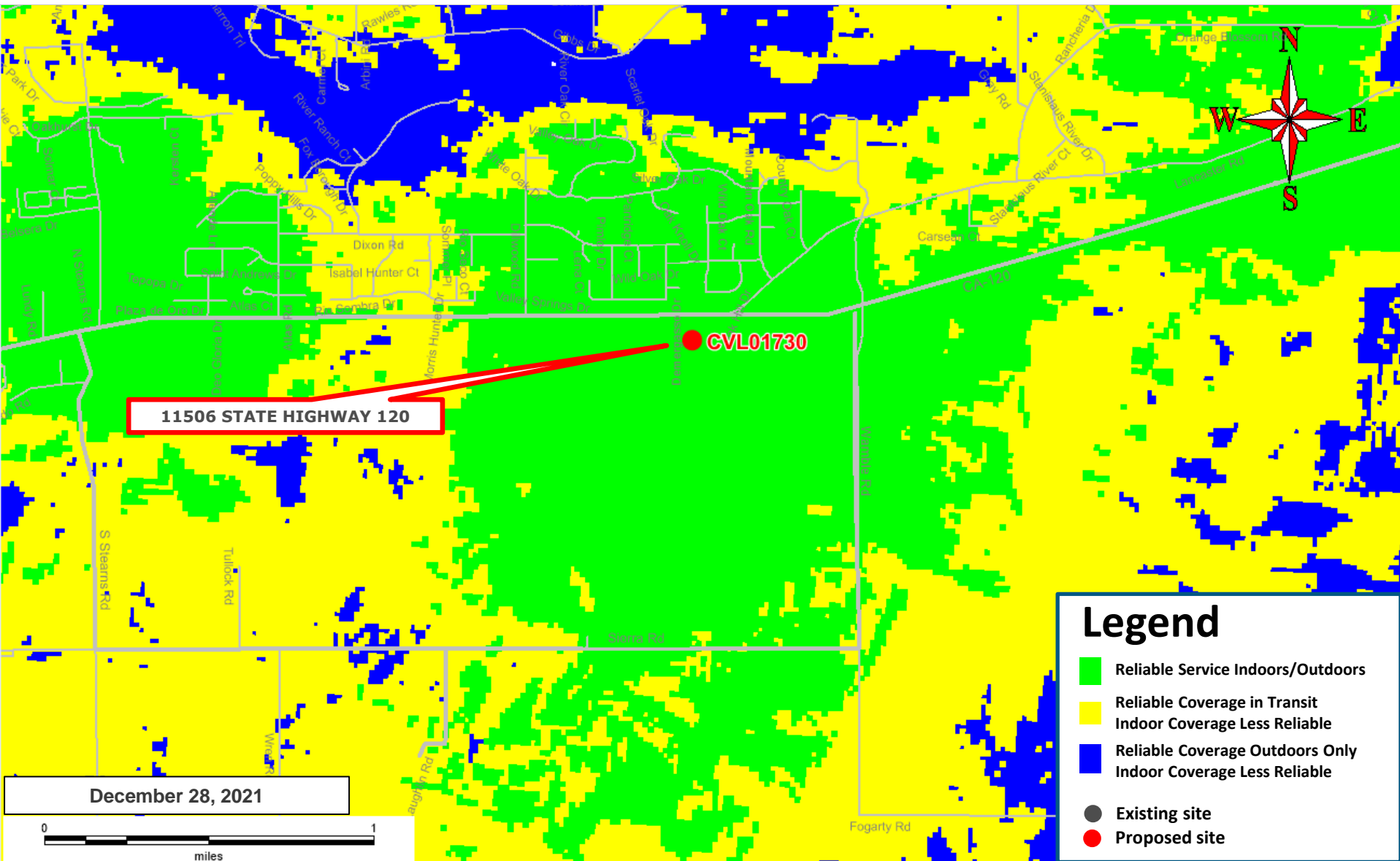
CVL01730 Zoning Propagation Map

December 28, 2021

Existing LTE 700 Coverage



Proposed LTE 700 Coverage – 11506 STATE HIGHWAY 120 @ RC = 126 ft





On Behalf Of



ATTN: STANISLAUS COUNTY PLANNING DEPARTMENT

**1010 10th Street, Suite 3400
Modesto CA 95354**

RE: Proposed AT&T Wireless Facility: 11506 State Highway 120, Oakdale CA 95361 [APN 010-024-006]

Project Description

The proposed project proposes fifteen (15) panel antennas, eighteen (18) RRUS, and four (4) surge suppressors located at a Rad Center of 126' to be collocated on a new site build 130' Monopole. This project will include a 40'x40' fenced in lease area to enclose all associated ground equipment. This equipment includes an AT&T Approved walk in cabinet atop new cell block platform foundation with a 30kw diesel generator and 190 gallon belly tank.

Project Justification

AT&T Wireless is currently improving the existing wireless network in the Oakdale area. The proposed installation of this new site build will improve wireless coverage to the area and will also increase the network capacity. This site will incorporate the FirstNet program. FirstNet is a single, nationwide network strictly dedicated to public safety communications. The FirstNet program allows first responders to get information quickly to help them make decisions in a timely manner. In times of emergency or planned public events when the data capacity is full, FirstNet will throttle the data to provide the needed bandwidth to public safety workers. This network will allow first responders and public safety workers to send and receive voice, data, and text without concerns of network congestion. This network would not only benefit those in larger cities, but those in rural America that don't have the needed coverage for cell use, let alone emergencies.

- Operation of the project will occur 12 months a year, 7 days a week, 24 hours a day consistent with the continuous schedule of normal telephone company operations.
- The facility is "unmanned", meaning that the facility will not have a representative present during all hours of operation, and will only be visited on an "as needed" basis. No more than two technicians will ever attend the facility. Their schedule will be on a 24 hour basis. No more than two service vehicles, being either a van or a four-wheel drive vehicle, will visit the facility once constructed. The technicians will typically be at site's location either once a month, or once every other month.
- There will be no noise, glare, dust or odors associated with the facility with the exception of an emergency generator which will operate in the event of a commercial power failure, and dust during construction.

Should you have questions regarding this project, please do not hesitate to contact the undersigned.

Sincerely,

Ashley Smith
Epic Wireless Group LLC
(916) 247-1749 ashley.smith@epicwireless.net

605 Coolidge Drive, Suite 100
Folsom, CA. 95630



Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	108 & Orange Blossom	Site Structure Type:	Monopole
Address:	11506 State Highway 120	Latitude:	37.775
	Oakdale, CA 95361	Longitude:	-120.784063
Report Date:	January 6, 2022	Project:	Modification

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the 108 & Orange Blossom installation proposed by AT&T Mobility will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. §§ 1.1307(b)(3) and 1.1310. RF alerting signage at the base of the Monopole and restricting access to authorized climbers that have completed RF safety training is required for Occupational environment compliance. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

Certification

I, David C. Cotton, Jr., am the reviewer and approver of this report and am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation, specifically in accordance with FCC's OET Bulletin 65. I have reviewed this Radio Frequency Exposure Assessment report and believe it to be both true and accurate to the best of my knowledge.

General Summary

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure ("MPE") limits. At any location at this site, the power density resulting from each transmitter may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. Based on the criteria for these classifications, the FCC General Population limit is considered to be a level that is safe for continuous exposure time. The FCC General Population limit is 5 times more restrictive than the Occupational limits.

In situations where the predicted MPE exceeds the General Population threshold in an accessible area as a result of emissions from multiple transmitters, FCC licensees that contribute greater than 5% of the aggregate MPE share responsibility for mitigation.

Table 1: FCC Limits

Frequency (MHz)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm ²)	Averaging Time (minutes)	Power Density (mW/cm ²)	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

f=Frequency (MHz)

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any location given the spatial orientation and operating parameters of multiple RF sources. The power density in the Far Field of an RF source is specified by OET-65 Equation 5 as follows:

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \text{ (mW/cm}^2\text{)}$$

where EIRP is the Effective Radiated Power relative to an isotropic antenna and R is the distance between the antenna and point of study. Additionally, consideration is given to the manufacturers' horizontal and vertical antenna patterns as well as radiation reflection. At any location, the predicted power density in the Far Field is the spatial average of points within a 0 to 6-foot vertical profile that a person would occupy. Near field power density is based on OET-65 Equation 20 stated as

$$S = \left(\frac{180}{\theta_{BW}} \right) \cdot \frac{100 \cdot P_{in}}{\pi \cdot R \cdot h} \text{ (mW/cm}^2\text{)}$$

where P_{in} is the power input to the antenna, θ_{BW} is the horizontal pattern beamwidth and h is the aperture length.

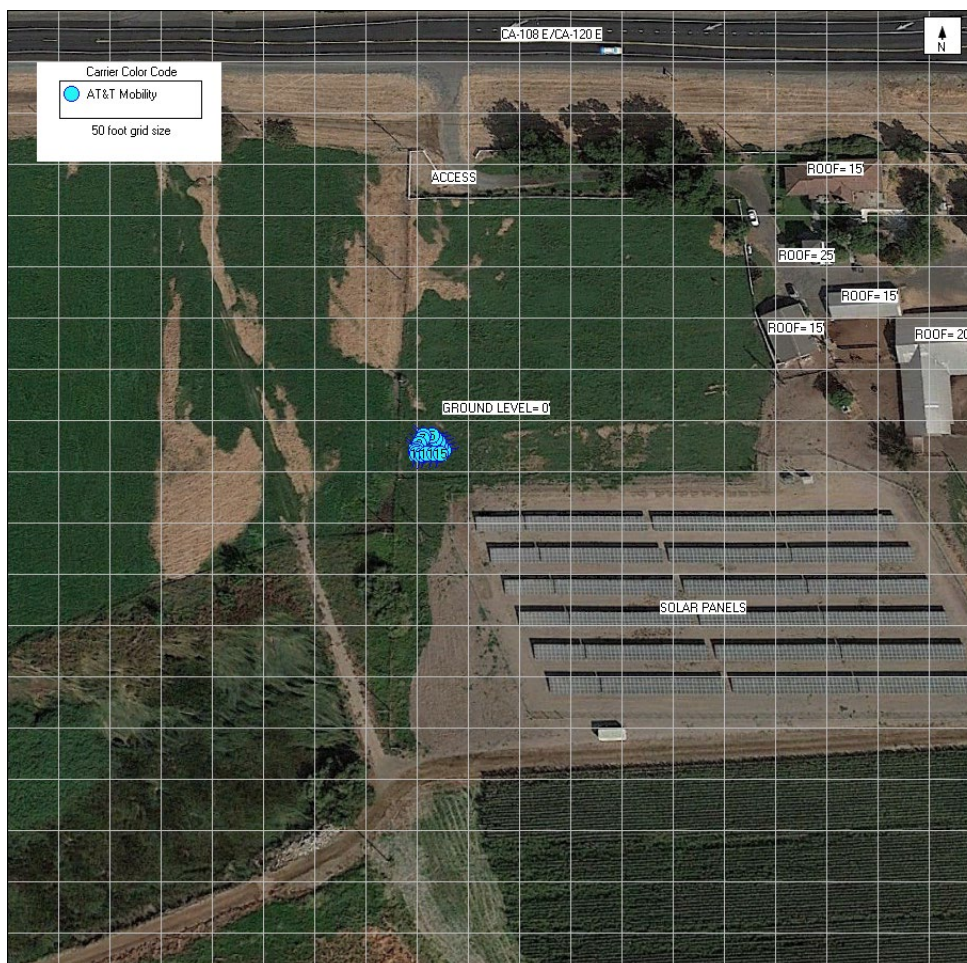
Some antennas employ beamforming technology where RF energy allocated to each customer device is dynamically directed toward their location. This analysis includes a statistical factor reducing the actual power of the antenna system to 32% of maximum theoretical power to account for spatial distribution of users, network utilization, time division duplexing, and scheduling time. AT&T recommends the use of this factor based on a combination of guidance from its antenna system manufacturers, supporting international industry standards, industry publications, and its extensive experience.

Analysis

AT&T Mobility proposes the following installation at this location:

- ADD (15) ANTENNAS (5) PER SECTOR.
- ADD (18) RRUS (6) PER SECTOR.

The antennas will be mounted on a 130' Monopole with centerlines 126', 127.18', and 124.62' above ground level. Proposed antenna operating parameters are listed in Appendix A. Other appurtenances such as GPS antennas, RRUs and hybrid cable below the antennas are not sources of RF emissions. No other antennas are known to be operating in the vicinity of this site.



Power density decreases significantly with distance from any antenna. The panel-type antennas to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serves to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at ground level, the maximum predicted power density level resulting from all AT&T Mobility operations is 9.768% of the FCC General Population limits. Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 9.3289% of the FCC General Population limits. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

Waterford Consultants, LLC recommends posting RF alerting signage with contact information (Caution 2B) at the base of the Monopole to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.



Caution 2B sign required on the base of the monopole at the access location.

Appendix A: Operating Parameters Considered in this Analysis

Antenna #:	Carrier:	Manufacturer	Pattern:	Band (MHz):	Mech Az (deg):	Mech DT (deg):	H BW (deg):	Length (ft):	TPO (W):	Channels:	Loss (dB):	Gain (dBd):	ERP (W):	EIRP (W):	Rad Center (ft):
1	AT&T	CCI	DMP65R-BU8E 02DT	700	80	0	58	8	40	4	0	12.35	2749	4509	126
1	AT&T	CCI	DMP65R-BU8E 02DT	850	80	0	53	8	40	4	0	13.35	3460	5677	126
1	AT&T	CCI	DMP65R-BU8E 02DT	1900	80	0	59	8	40	4	0	15.75	6013	9866	126
1	AT&T	CCI	DMP65R-BU8E 02DT	2100	80	0	60	8	40	4	0	15.85	6153	10095	126
2	AT&T	ERICSSON	SON_AIR6419 B42FB NR TB 3400 AT&T	3400	80	0	13	2.4	108.4	1	0	22.85	20894	34279	127.18
3	AT&T	ERICSSON	SON_AIR6449 NR TB 3700 AT&T	3700	80	0	11	2.8	108.4	1	0	23.55	24549	40274	124.62
4	AT&T	CCI	TPA65R-BU8D 02DT	700	80	0	61	8	40	4	0	13.05	3229	5298	126
4	AT&T	CCI	TPA65R-BU8D 00DT	1900	80	0	62	8	40	4	0	14.35	4356	7147	126
4	AT&T	CCI	TPA65R-BU8D 00DT	2100	80	0	62	8	40	4	0	15.25	5359	8793	126
5	AT&T	CCI	OPA65R-BU8D 02DT	700	80	0	61	8	40	2	0	13.15	1652	2711	126
5	AT&T	CCI	OPA65R-BU8D 00DT	2300	80	0	52	8	25	4	0	14.95	3126	5129	126
6	AT&T	CCI	DMP65R-BU8E 02DT	700	320	0	58	8	40	4	0	12.35	2749	4509	126
6	AT&T	CCI	DMP65R-BU8E 02DT	850	320	0	53	8	40	4	0	13.35	3460	5677	126
6	AT&T	CCI	DMP65R-BU8E 02DT	1900	320	0	59	8	40	4	0	15.75	6013	9866	126
6	AT&T	CCI	DMP65R-BU8E 02DT	2100	320	0	60	8	40	4	0	15.85	6153	10095	126
7	AT&T	ERICSSON	SON_AIR6419 B42FB NR TB 3400 AT&T	3400	320	0	13	2.4	108.4	1	0	22.85	20894	34279	127.18
8	AT&T	ERICSSON	SON_AIR6449 NR TB 3700 AT&T	3700	320	0	11	2.8	108.4	1	0	23.55	24549	40274	124.62
9	AT&T	CCI	TPA65R-BU8D 02DT	700	320	0	61	8	40	4	0	13.05	3229	5298	126
9	AT&T	CCI	TPA65R-BU8D 00DT	1900	320	0	62	8	40	4	0	14.35	4356	7147	126
9	AT&T	CCI	TPA65R-BU8D 00DT	2100	320	0	62	8	40	4	0	15.25	5359	8793	126
10	AT&T	CCI	OPA65R-BU8D 02DT	700	320	0	61	8	40	2	0	13.15	1652	2711	126
10	AT&T	CCI	OPA65R-BU8D 00DT	2300	320	0	52	8	25	4	0	14.95	3126	5129	126
11	AT&T	CCI	DMP65R-BU8E 02DT	700	200	0	58	8	40	4	0	12.35	2749	4509	126
11	AT&T	CCI	DMP65R-BU8E 02DT	850	200	0	53	8	40	4	0	13.35	3460	5677	126
11	AT&T	CCI	DMP65R-BU8E 02DT	1900	200	0	59	8	40	4	0	15.75	6013	9866	126

Antenna #:	Carrier:	Manufacturer	Pattern:	Band (MHz):	Mech Az (deg):	Mech DT (deg):	H BW (deg):	Length (ft):	TPO (W):	Channels:	Loss (dB):	Gain (dBd):	ERP (W):	EIRP (W):	Rad Center (ft):
11	AT&T	CCI	DMP65R-BU8E 02DT	2100	200	0	60	8	40	4	0	15.85	6153	10095	126
12	AT&T	ERICSSON	SON_AIR6419 B42FB NR TB 3400 AT&T	3400	200	0	13	2.4	108.4	1	0	22.85	20894	34279	127.18
13	AT&T	ERICSSON	SON_AIR6449 NR TB 3700 AT&T	3700	200	0	11	2.8	108.4	1	0	23.55	24549	40274	124.62
14	AT&T	CCI	TPA65R-BU8D 02DT	700	200	0	61	8	40	4	0	13.05	3229	5298	126
14	AT&T	CCI	TPA65R-BU8D 00DT	1900	200	0	62	8	40	4	0	14.35	4356	7147	126
14	AT&T	CCI	TPA65R-BU8D 00DT	2100	200	0	62	8	40	4	0	15.25	5359	8793	126
15	AT&T	CCI	OPA65R-BU8D 02DT	700	200	0	61	8	40	2	0	13.15	1652	2711	126
15	AT&T	CCI	OPA65R-BU8D 00DT	2300	200	0	52	8	25	4	0	14.95	3126	5129	126

Notes: Table depicts recommended operating parameters for AT&T Mobility proposed operations.



January 5, 2022

Epic Wireless Group
605 Coolidge Drive, Suite 100
Folsom, CA 95630

Re: **Noise Assessment Letter**
AT&T Site CVL01730-108 & Orange Blossom
11506 State Highway 120, Oakdale, CA 95361

Site CVL01730-108 & Orange Blossom is a proposed AT&T macro site located in the Stanislaus County, CA. AT&T is proposing to add a pre-manufactured walk-in cabinet with wall mounted A/C unit, and a new emergency backup generator. Based on our review of the project drawings and technical specifications, the following is a summary of our noise assessment of the proposed equipment.

Per **Stanislaus County Code of Ordinance, Chapter 10.46 Noise Control**; specifically, 10.46.050 Exterior Noise Level Standards, the following excerpt of the code defines noise level performance standards:

Table A
EXTERIOR NOISE LEVEL STANDARDS

Designated Noise Zone	Maximum A-Weighted Sound Level as Measured on a Sound Level Meter (LMAX)	
	7:00 a.m.—9:59 p.m.	10:00 p.m.—6:59 a.m.
Noise Sensitive	45	45
Residential	50	45
Commercial	60	55
Industrial	75	75

2. Exterior noise levels shall not exceed the following cumulative duration allowance standards:

Table B
CUMULATIVE DURATION
ALLOWANCE STANDARDS

Cumulative Duration	Allowance Decibels
Equal to or greater than 30 minutes per hour	Table A plus 0 dB
Equal to or greater than 15 minutes per hour	Table A plus 5 dB
Equal to or greater than 5 minutes per hour	Table A plus 10 dB
Equal to or greater than 1 minute per hour	Table A plus 15 dB
Less than 1 minute per hour	Table A plus 20 dB

NOISE ANALYSIS

Of the supporting equipment planned for this project, Table 2 below presents the primary noise sources of concern.



Table C – Supporting Equipment Noise Data

Noise Source	Equipment Type	Make	Model	Size	Manufacturer's Published Noise Data (dBA)	Noise Data Reference Distance (ft)
A	AC Unit	Marvair	ECUA012ACA	12K BTUs	51.5	5
B	Generator	Generac	SD030	30 kW	66 ⁽¹⁾	23

[1] Sound pressure is based on Gen Set with Level 2 sound attenuated enclosure, full-load operating conditions.

Our review of the package did not reveal any other significant noise sources. The equipment is proposed to be installed on private property on a precast platform w/ perimeter railing. Ambient noise is not considered in this study.

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To properly present this assessment, our noise modeling has assumed following scenarios: 1) the generator is operating in the full-load condition; 2) one Marvair unit running continuously; 3) Ambient noise is not considered 4) other existing on-site equipment creating noises are ignored and 5) despite the long setbacks to the adjacent property lines, our analysis does not include noise reduction factors such as air attenuation, vegetation, and ground effects, which become significant at large distances.

The site and its adjacent properties are located within Stanislaus County, and the telecommunication site sits within APN 010-024-006-000. The nearest adjacent property line with a residence on the property is located to the North approximately **450.00 feet** from the equipment.

10.46.050 Exterior Noise Level Standards of Stanislaus County Code of Ordinance, the measurement of sound shall be taken from the nearest residential site's property line, towards the source of the sound, which equates to **443.0 ft** distance from the generator to the property line and **450.0 ft** from shelter A/C unit to property line.

Generator is for emergency backup to be operated during power outages. Generator is exercised once a week for fifteen minutes maximum during daytime hours only. Testing and maintenance shall only take place between 7:00 a.m. and 9:59 p.m. A/C Unit will run during day and nighttime.

Noise level measurements per Table C, calculated to property line, are as follows:

Noise Source 'A' – Cabinet Mounted A/C unit = 17.6 dBA

Noise Source 'B' – Generator = 43.7 dBA



Based on Stanislaus County's code of ordinance, the anticipated noise level of the equipment on the cabinet meets the maximum noise levels of 45 dBA's; and the emergency standby generator meets the maximum noise levels of 55 dBA's (50+5 dBAs for 15 minute duration) requirements for generator testing and maintenance taking place between 7:00 a.m. and 9:59 p.m

Site lease area is located at a large distance from the actual residential structure. As sound pressure levels attenuate with increasing distance from the sound source, noise levels due to the supporting equipment at all remaining surrounding property lines, are anticipated to be less than the County's requirements, meeting the noise standards outlined in this report.

CONCLUSION

Based on the project documentation, our noise assessment indicates that the proposed AT&T Telecommunications Facility complies with requirements mandated by Stanislaus County per stated noise metrics outlined in the requirements above. To avoid any misunderstanding, I hereby state that to the best of my knowledge, belief and professional judgment, this report represents an accurate appraisal of AT&T' equipment, based upon careful evaluation of Manufacturer's data to the extent reasonably possible.

Please reach out if I can be of further assistance.

Respectfully Submitted
For the Firm,

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Robert J Lara, AIA
Sr. Architect and Technical Lead