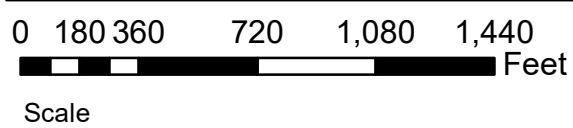
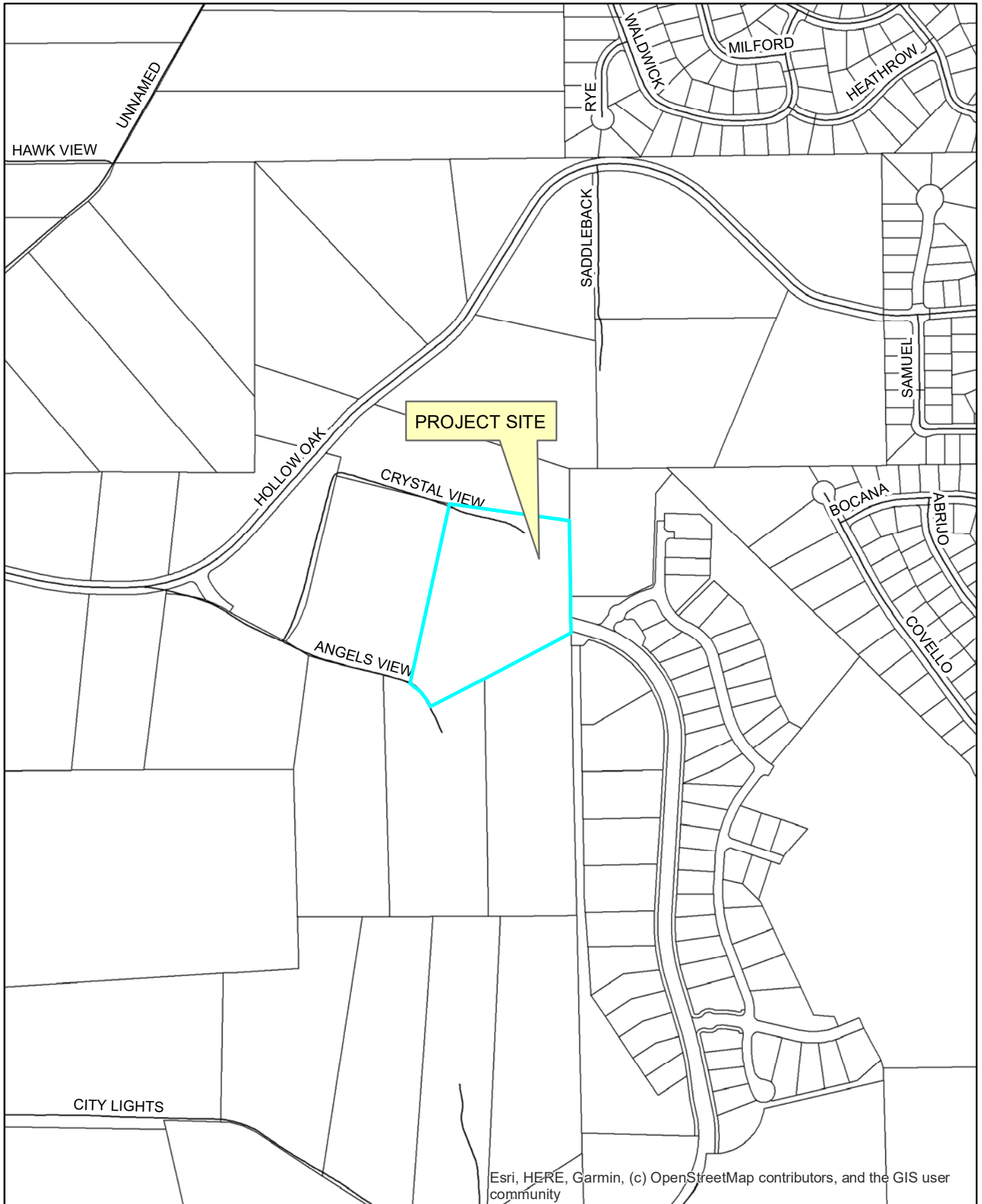


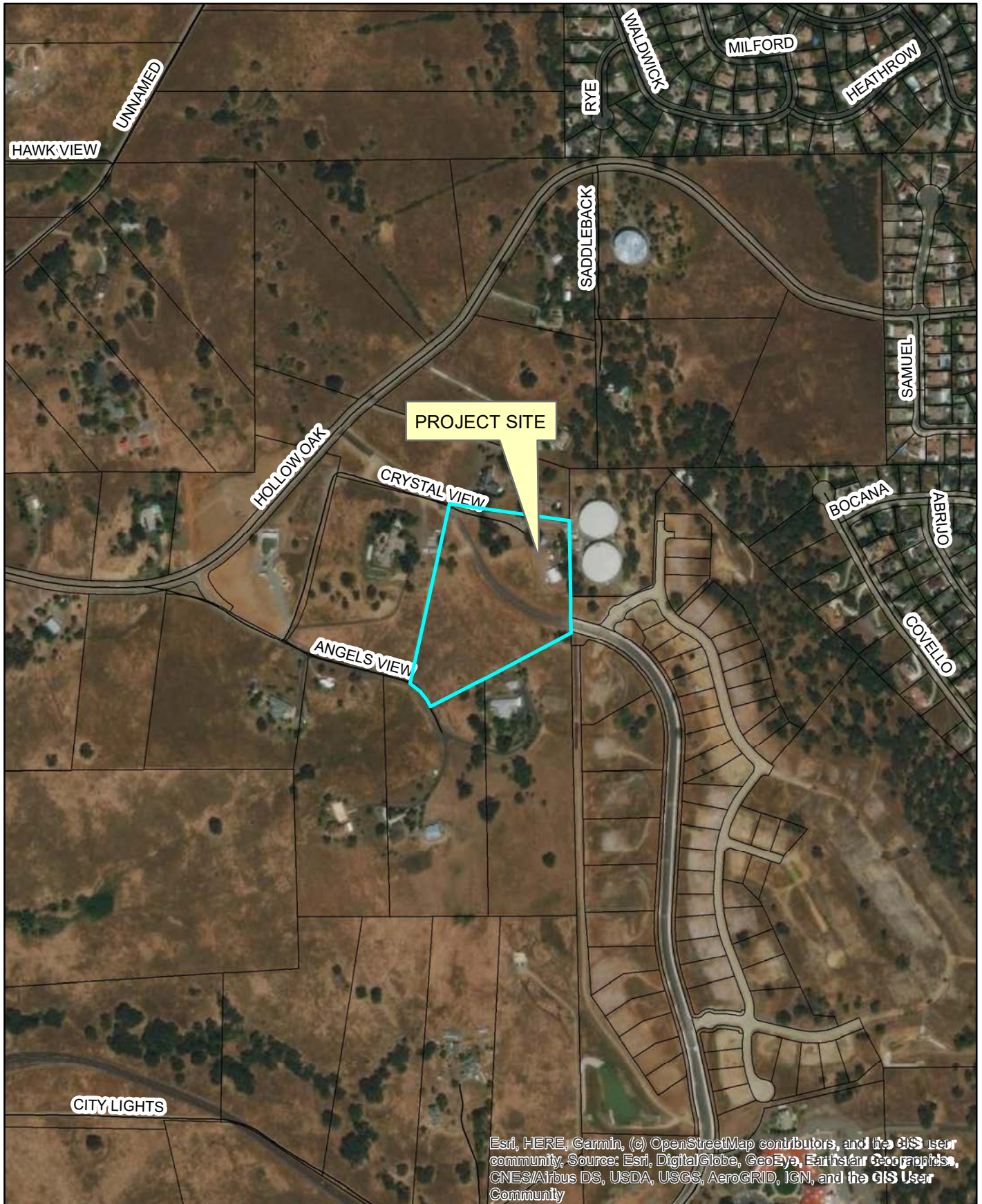
CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT A - LOCATION MAP



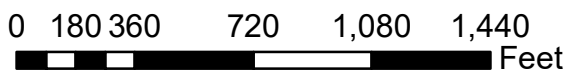
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT B - AERIAL MAP



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

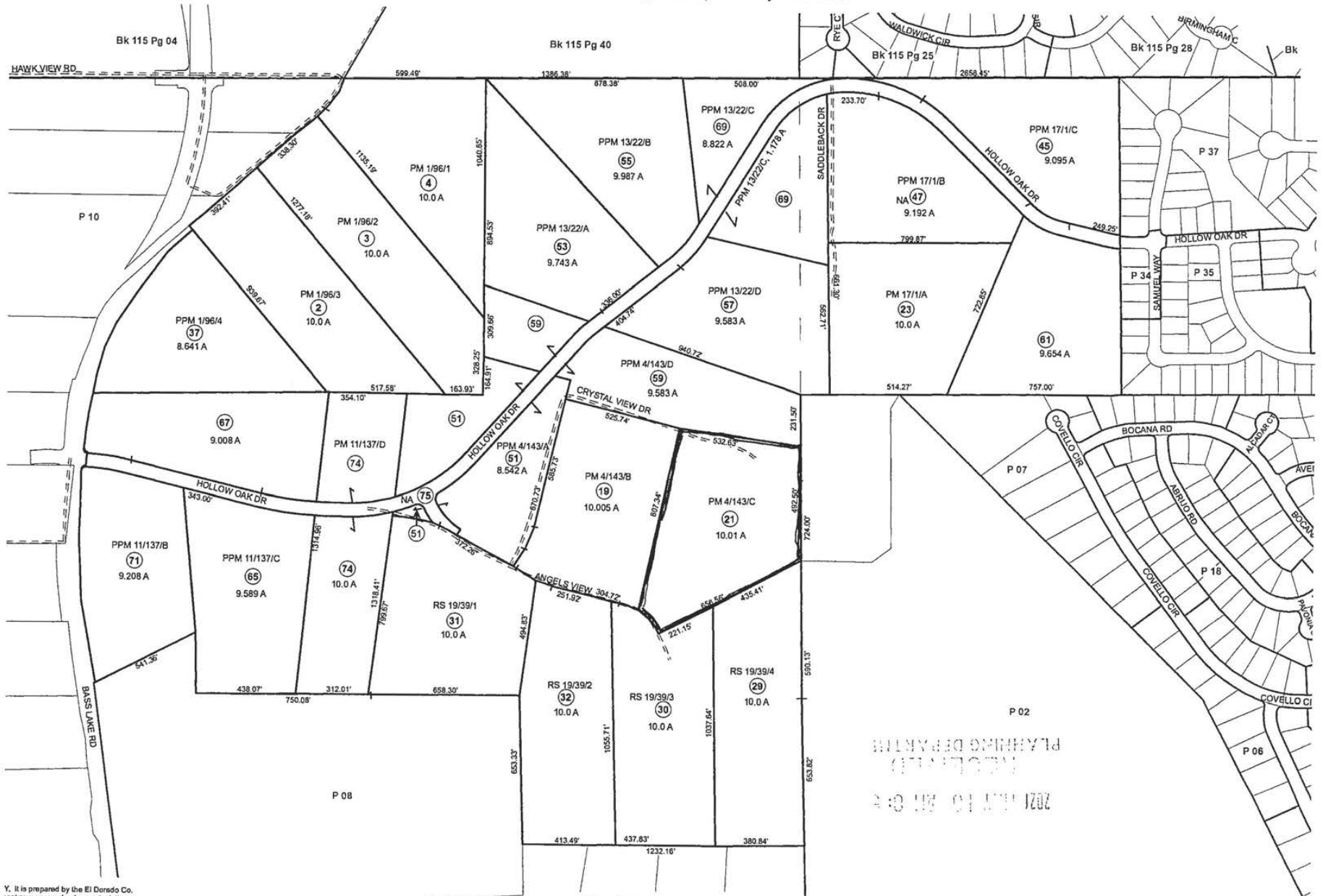


Scale



**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT C - ASSESSORS PARCEL MAP**

POR. SECS. 5 & 6, T.9N., R.9E., M.D.M.



Y. It is prepared by the El Dorado Co. for assessment purposes only. Area calculations are not guaranteed. Users should verify items on the map.

Acreages Are Estimates

Adjacent Map Pages Shown in Grey Text
Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

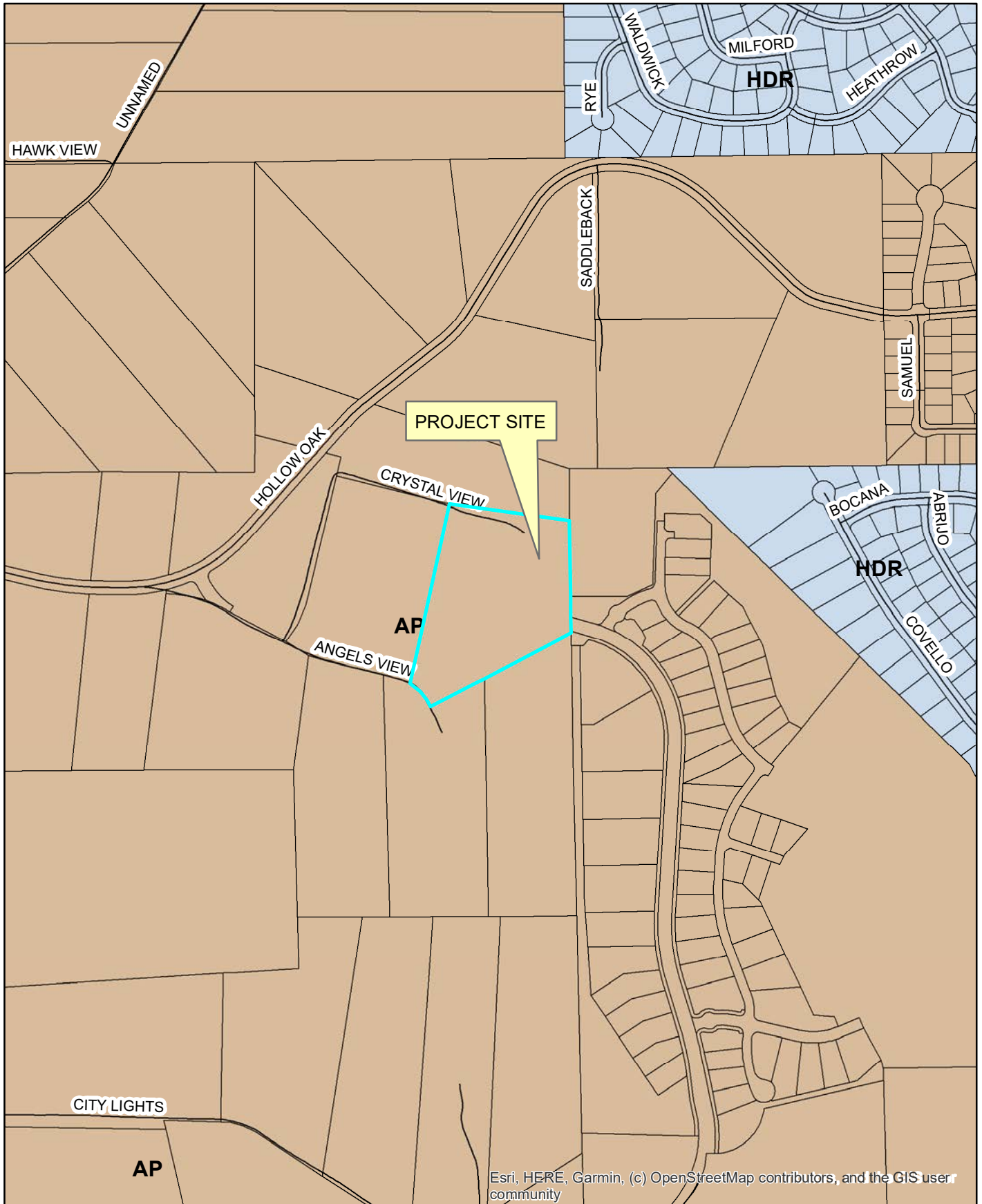
CUP-R21-0025

Rev July 28, 2017

Assessor's Map
County of El

2021 JUL 10 10:20 AM
ACCEPTED
PLANNING DEPARTMENT

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT D - GENERAL PLAN LAND USE MAP



0 180 360 720 1,080 1,440
Feet

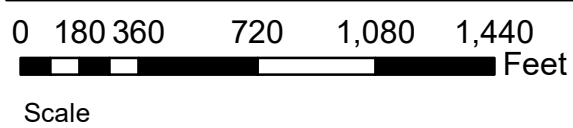
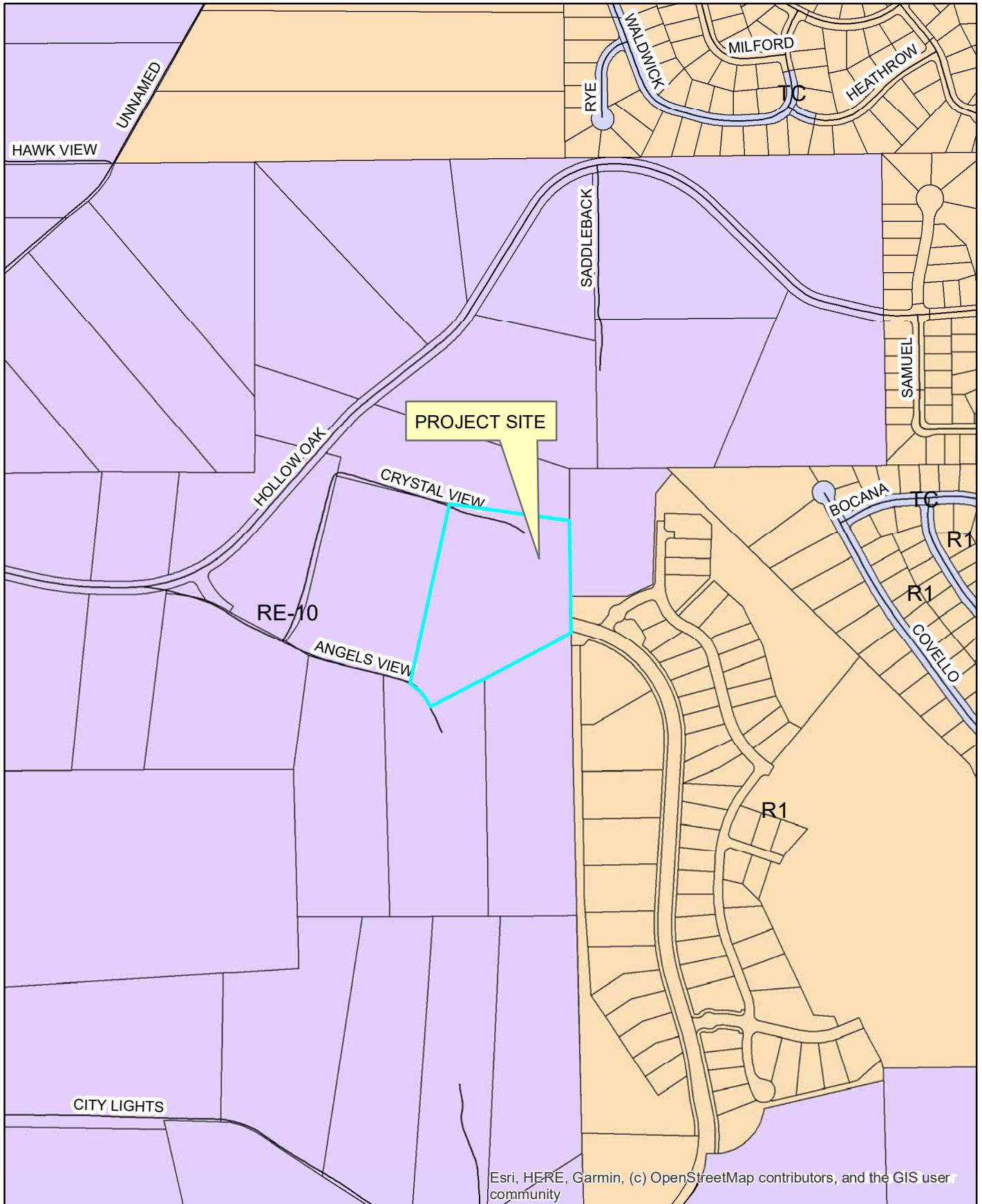
Scale

N



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT E - ZONING MAP



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

GENERAL NOTES

- DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER, AND PROJECT MANAGER. (C.C.)
- THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/ CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDUM'S OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT, STAMPED ORIGINALS SHALL NOT BE USED FOR REDLINE PURPOSES.
- THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- CONTRACTOR SHALL ENSURE THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. SITE SHALL BE SECURED, SAFE AND CLEAN UPON COMPLETION OF WORK EACH DAY.
- THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.



at&t

SITE NUMBER: CVL01284
SITE NAME: BASS LAKE

3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

PACE#: MRSFR071750
PTN#: 3701A0VKAM
PACE#: MRSFR072279
PTN#: 3701A0VN8M
PACE#: MRSFR071947
PTN#: 3701A0VKZ4
PACE#: MRSFR071937
PTN#: 3701A0VKJM
PACE#: MRSFR071929
PTN#: 3701A0VLJZ
FA#: 10090496

LEGEND

- A — ANTENNA CABLE (ABOVE GROUND)
- T — TELEPHONE SERVICE (ABOVE GROUND)
- E — POWER SERVICE (ABOVE GROUND)
- G — GROUND RING (ABOVE GROUND)
- - - A - - - ANTENNA CABLE (BURIED)
- - - T - - - TELEPHONE SERVICE (BURIED)
- - - E - - - POWER SERVICE (BURIED)
- - - G - - - GROUND RING (BURIED)
- — — — — PROPERTY BOUNDARY LINE
- - - - - INTERNAL PROPERTY LOT LINE

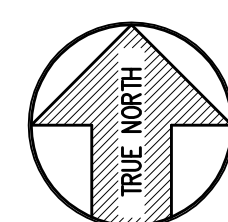
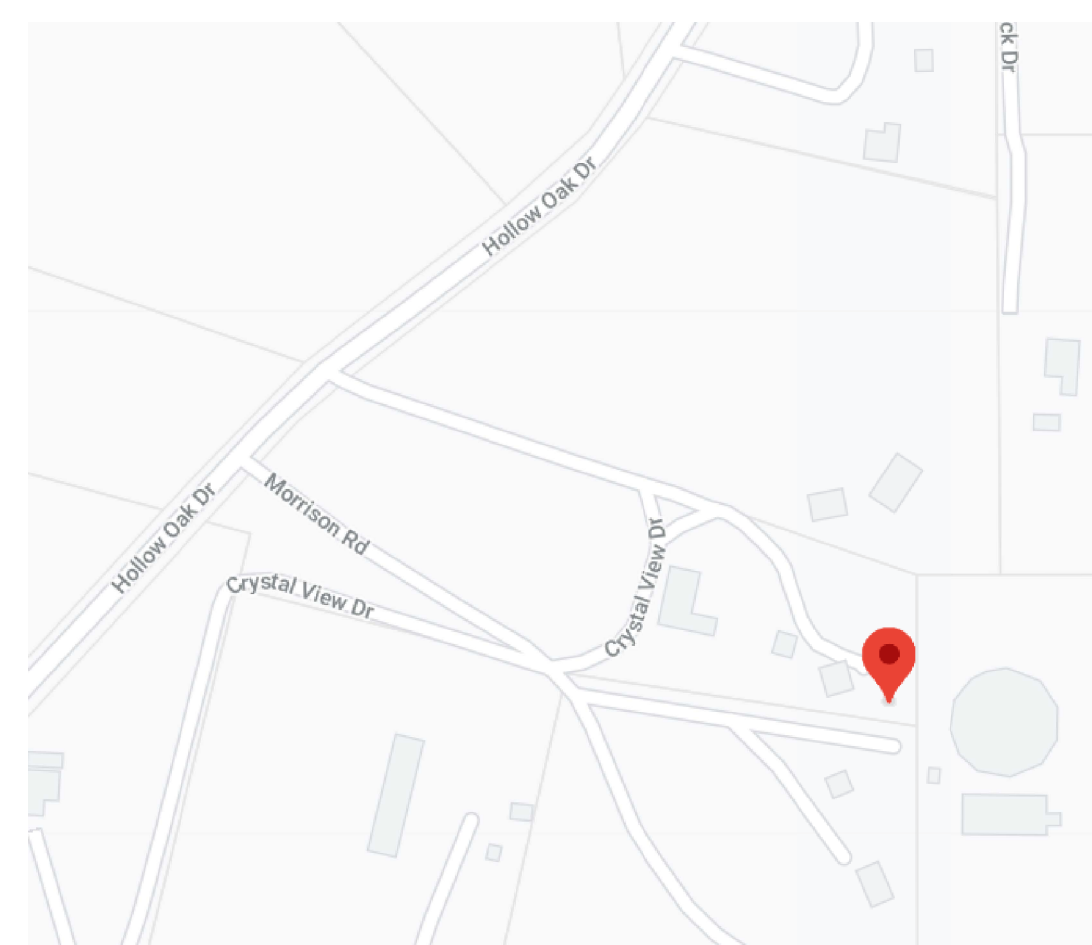
PROJECT SUMMARY

SITE NAME: BASS LAKE
SITE NUMBER: CVL01284
SITE ADDRESS: 3026 CRYSTAL VIEW LANE, EL DORADO HILLS, CA 95762
PROPERTY OWNER: WALLY CHEPLICK
OWNER ADDRESS: 3026 CRYSTAL VIEW LANE, EL DORADO HILLS, CA 95762
APPLICANT: AT&T MOBILITY
APPLICANT'S ADDRESS: 5001 EXECUTIVE PARKWAY, SAN RAMON, CA 94583
ASSESSORS PARCEL NUMBER: 119-090-021
LATITUDE: 38.666258
LONGITUDE: -121.021839
ZONING: RE-10
CONSTRUCTION TYPE: V-B
OCCUPANCY: U
EL DORADO COUNTY
COUNTY: EL DORADO

SHEET INDEX

- T-1 TITLE SHEET
- C-1 SITE SURVEY
- A-1.1 ENLARGED SITE PLAN
- A-1.2 ANTENNA PLAN
- A-1.3 ANTENNA DETAILS
- A-1.4 DETAILS
- A-1.5 DETAILS
- A-1.6 DETAILS
- A-2 ELEVATIONS
- S-1 STRUCTURAL DETAILS

VICINITY MAP



CONTACTS

APPLICANT:
AT&T MOBILITY
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

AT&T PROJECT MANAGER:
CHRIS GALVAN
2700 WATT AVENUE
SACRAMENTO, CA 95821
(916) 335-8137

AT&T CONSTRUCTION MANAGER:
JOE WEISSMANN
2700 WATT AVENUE
SACRAMENTO, CA 95821
(559) 250-3723

ENGINEERING FIRM:
PEEK SITE-COM
12852 EARHART AVE SUITE 101
AUBURN, CA 95602
(530) 885-6160

SITE ACQUISITION & PLANNING:
QUALTEK
HEDI FRAME
1200 DEL PASO ROAD, SUITE 150
SACRAMENTO, CA 95834
(916) 835-1315

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION 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.

- 2019 CALIFORNIA BUILDING CODE
- 2019 CALIFORNIA FIRE CODE
- 2019 CALIFORNIA ELECTRICAL CODE
- 2019 CALIFORNIA PLUMBING CODE
- 2019 CALIFORNIA MECHANICAL CODE
- 2019 CALIFORNIA HEALTH AND SAFETY CODE

ACCESSIBILITY REQUIREMENTS:
THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING CODE, CHAPTER 11B, EXCEPTION SECTION 11B-203.5

PROJECT DESCRIPTION

AT&T MOBILITY PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY. THESE MODIFICATIONS WILL CONSIST OF THE FOLLOWING:

- (3) (E) ANTENNAS TO BE REPLACED WITH (3) NEW ANTENNAS ONTO NEW TOWER
- (4) NEW ANTENNAS TO BE INSTALLED ONTO NEW TOWER
- NEW TOWER EXTENSION TO BE INSTALLED BY CONTRACTOR
- INSTALL (3) NEW COMMSCOPE SECTOR MOUNTS ON (E) UN-USED LATTICE TOWER
- (3) NEW RRU-4478 B14 TO BE INSTALLED
- (3) NEW RRU-32 B66 TO BE INSTALLED
- (3) NEW RRU-4449 B5/B12 TO BE INSTALLED
- (4) NEW RRU-32 B2 TO BE INSTALLED
- (1) (E) RRU-11 TO BE REMOVED
- (1) (E) KRY 112 89/4 TMAS TO BE REMOVED
- (E) DC-6 SURGE SUPPRESSORS TO BE REMOVED
- (2) NEW DC-9 SURGE SUPPRESSORS WITH (2) NEW FIBER TRUNK AND (6) NEW #6 AWG DC POWER TRUNKS TO BE INSTALLED
- (1) NEW 6630 TO BE INSTALLED IN (E) 19" FIF RACK
- (1) NEW DC-12 TO BE INSTALLED IN (E) 19" FIF RACK
- (2) NEW -48V RECTIFIERS TO BE INSTALLED IN (E) DC POWER PLANT FOR A TOTAL OF (7)
- INSTALL (2) NEW RUNS OF 1-1/4" COAX CABLE FROM EQUIPMENT SHELTER OVER TO NEW TOWER FOR UMS ANTENNAS
- REMOVE ALL (E) ANTENNAS, RRU, COAX AND ANY OTHER ANCILLARY EQUIPMENT AT THE 26' RAD CENTER OF (E) NORTH TOWER

PROPRIETARY INFORMATION
THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-COM IS STRICTLY PROHIBITED

CLIENT:

10 PASTEUR, SUITE 100
IRVINE, CA 92618

5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE
3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

REV:	DATE:	DESCRIPTION:	BY:
1	11-25-20	90% CONSTRUCTION DOC'S	AMP
2	12-29-20	95% CONSTRUCTION DOC'S	AMP
3	1-21-21	100% CONSTRUCTION DOC'S	AMP
4	4-26-21	REV 100% CONSTRUCTION DOC'S	AMP

COORDINATING ENGINEER:

12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160

E-Mail info@peeksitecom.com

SEAL:

SITE #:	CHK.:	DRAWN BY:
CVL01284	...	AMP

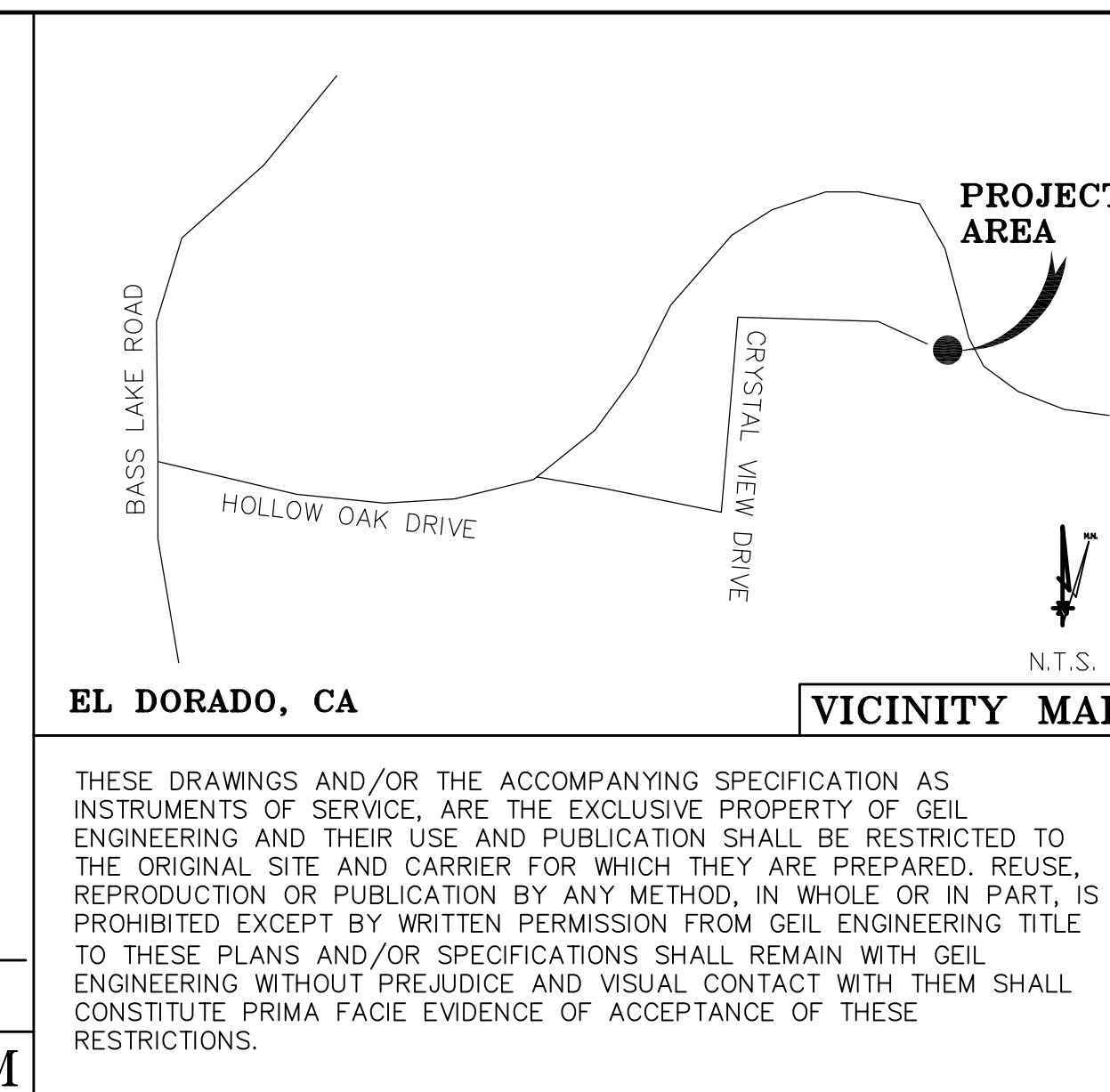
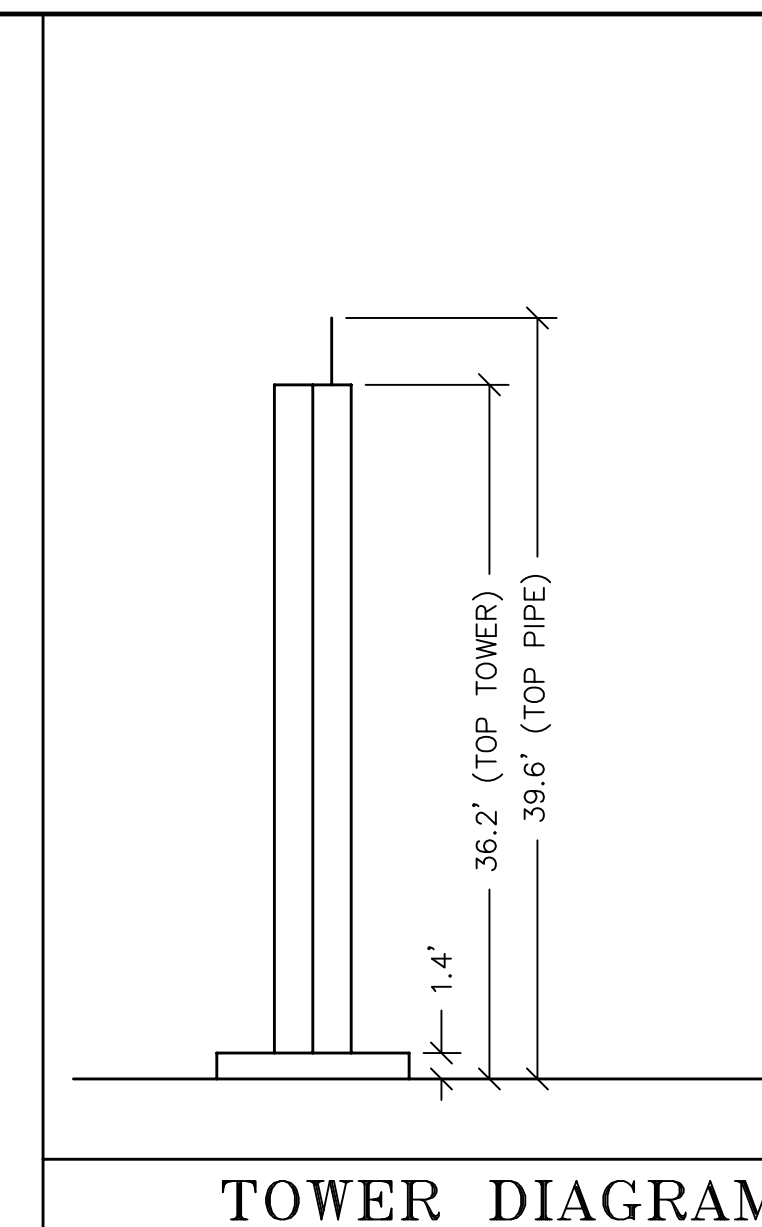
TITLE SHEET

SHEET NUMBER:	REVISION:
T-1	0

DATE OF SURVEY: 11-02-20
 SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803
 LOCATED IN THE COUNTY OF EL DORADO, 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 2.65' FROM ELEVATIONS SHOWN.
 CONTOUR INTERVAL: N/A
 CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.
 ASSESSOR'S PARCEL NUMBER: 119-090-021
 OWNER(S): CHEPLICK WALLY
 MT PIZZA 3600 CARSON ROAD #C
 CAMINO, CA 95709

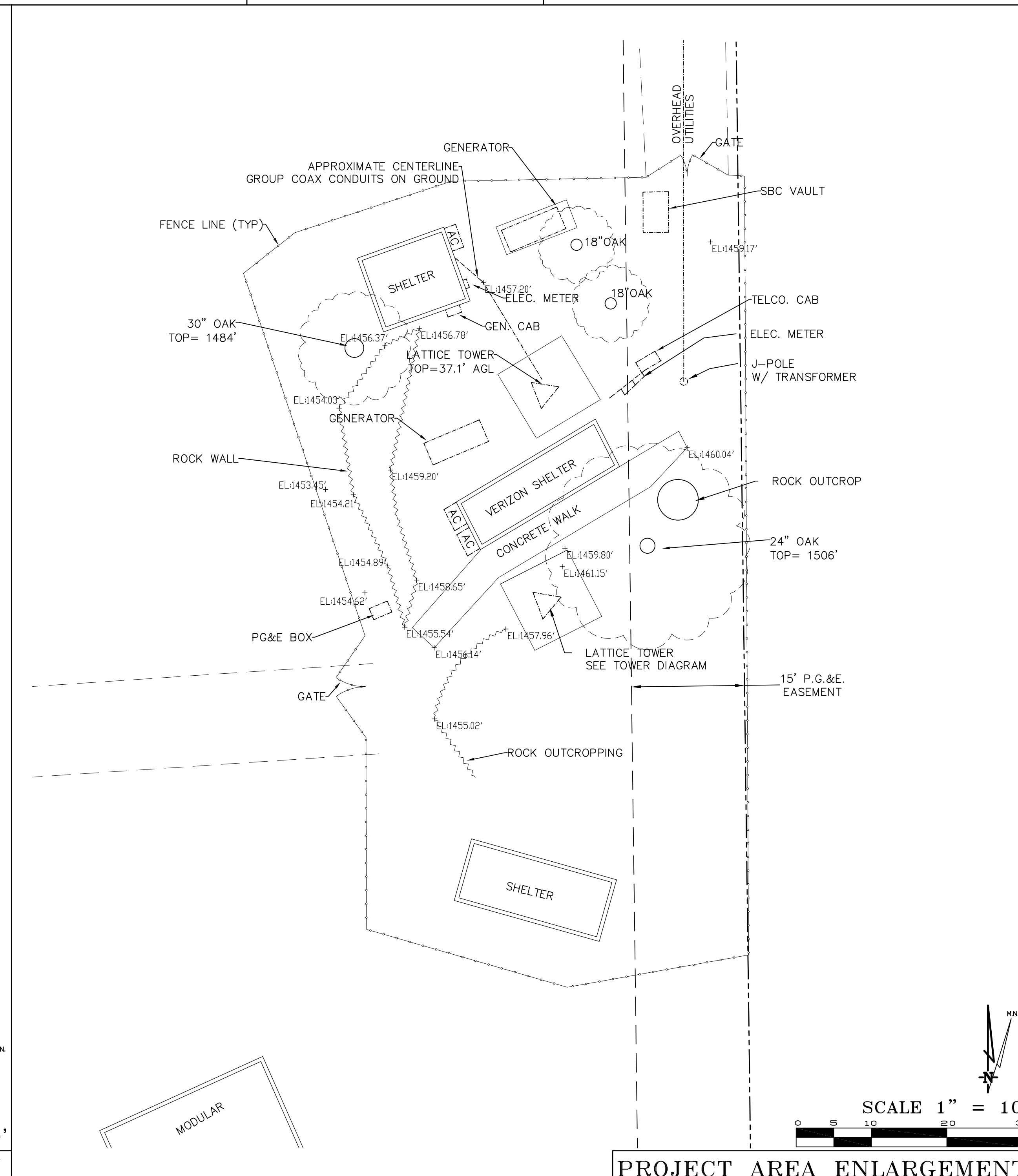
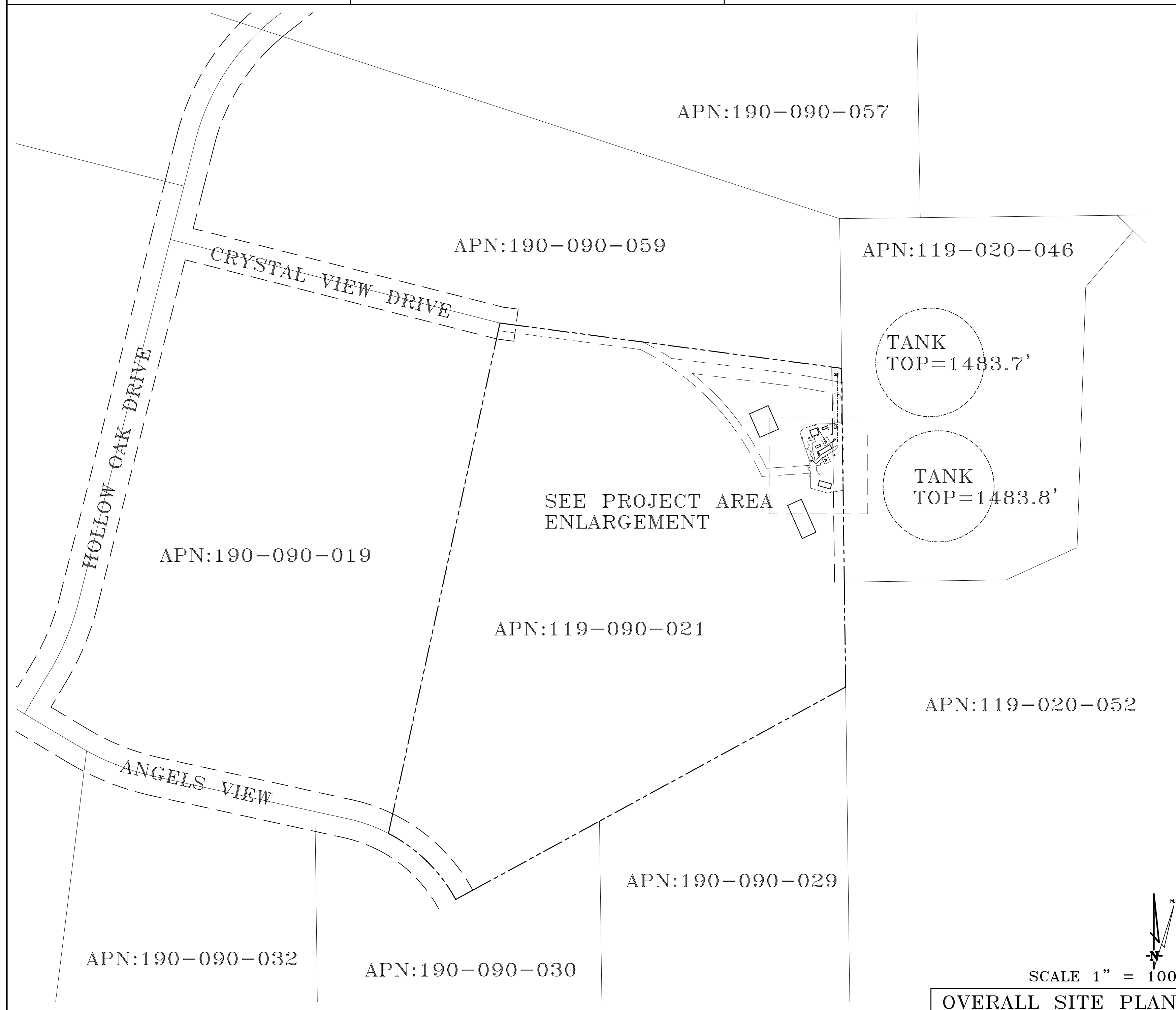
Geil Engineering
 Engineering * Surveying * Planning
 1226 High Street
 Auburn, California 95603-5015
 Phone: (530) 885-0426 * Fax: (530) 823-1309
 A.T. & T. Mobility
 Project No./Name: CVL01284 / Bass Lake
 Project Site Location: 3026 Crystal View Lane
 El Dorado Hills, CA 95762
 El Dorado County
 Date of Observation: 11-02-20
 Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.
 Type of Antenna Mount: Lattice Tower
 Coordinates:
 Latitude: N 38° 39' 58.53" (NAD83) N 38° 39' 58.88" (NAD27)
 Longitude: W 121° 01' 18.62" (NAD83) W 121° 01' 14.82" (NAD27)
 ELEVATION of Ground at Structure (NAVD88) 1459.8' AMSL
 STRUCTURE HEIGHT (Top of Tower) 36.2' AGL
 OVERALL HEIGHT (Top of Pipe) 39.6' AGL
 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

Lease Area Description
 All that certain lease area being a portion of Parcel C as is shown and Recorded on that certain Parcel Map Recorded at Book 4 of Parcel Maps at Page 143, Official Records of El Dorado County, California, also being a portion of the Northeast 1/4 of Section 6, Township 9 North, Range 9 East M.D.B. & M., being more particularly described as follows:
 Commencing at a 3/4" Iron Pipe set for the Northeast corner of said Parcel C from which a 3/4" bar w/ Aluminum Cap set at the 1.00 foot witness corner to the Southwest corner of Tract 1 as is shown on that certain Record of Survey Recorded at Book 25 of Surveys at Page 135 bears South 00°44'29" East 330.22 feet and North 89°15'31" East 1.00 feet; thence from said point of commencement South XXXX feet to the True Point of Beginning; thence from said point of beginning South XXXX feet to the point of beginning.
 Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: Beginning at a point from which the most Northerly corner of the above described lease area bears North xxx feet; thence from said point of beginning North xxx feet more or less to the existing utility locations.
 Also together with a non-exclusive easement for utility purposes three feet in width the centerline of which is described as follows: beginning at a point from which the most Northerly corner of the above described lease area bears North xxx feet and running thence North xxx feet more or less to the existing lattice tower and as necessary to install, operate and maintain necessary communications equipment.
 Also together with a non-exclusive easement for access purposes 15 feet in width and dynamic in nature from the above described lease area over and across the existing traveled way to the public right of way more commonly known as Crystal View Drive.



DEPT	APPROVED	DATE
ARC		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

BOUNDARY SHOWN 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 95603
 Phone: (530) 885-0426
 Fax: (530) 823-1309

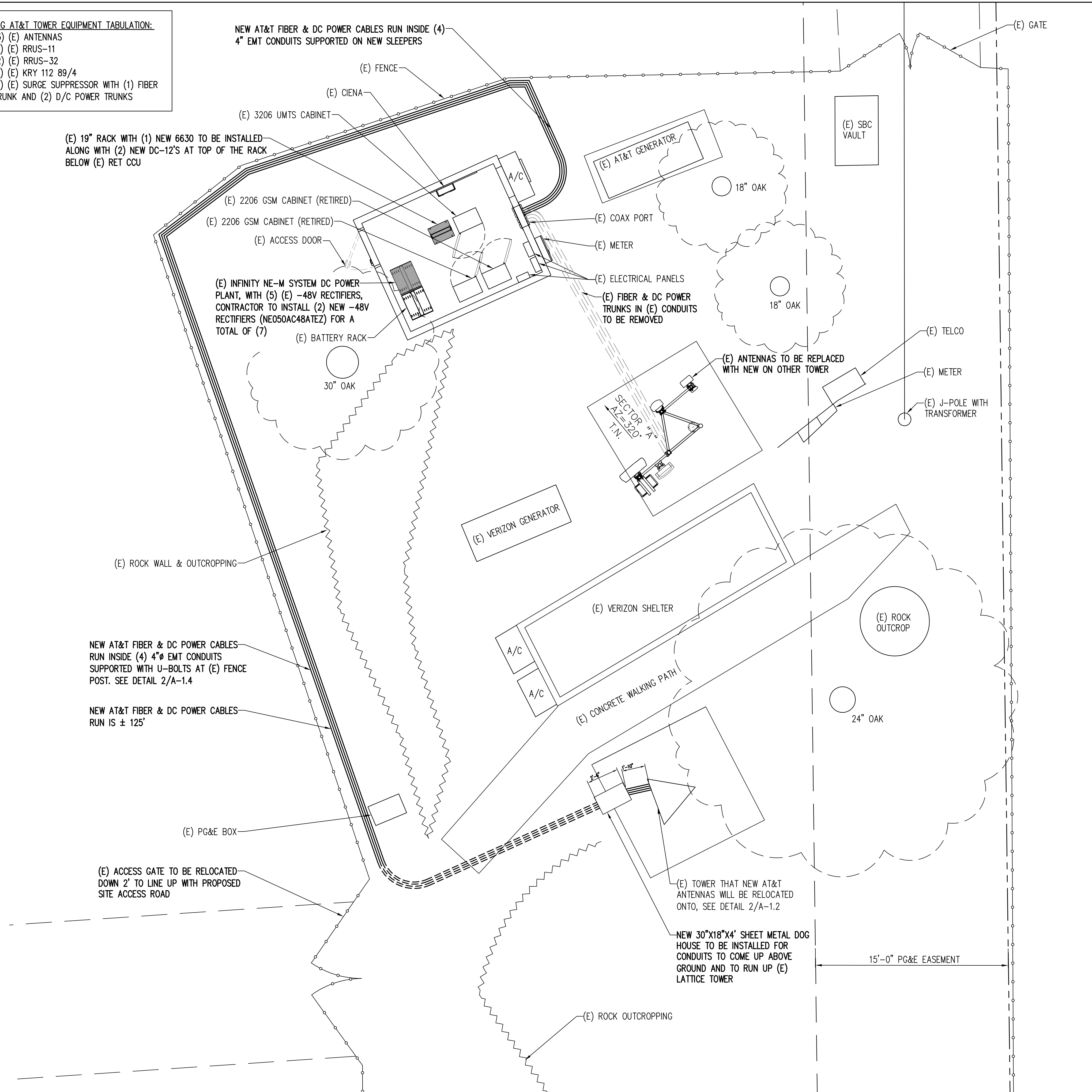
at&t
MOBILITY

CVL01284
BASS LAKE
 3026 CRYSTAL VIEW LANE
 EL DORADO HILLS, CA 95762
 PLOT PLAN AND
 SITE TOPOGRAPHY

REV	DATE	DESCRIPTION
11-03-20	N. ROND	DRAWING SUBMITTAL
01-07-21	N. ROND	TOWER CHANGE
04-27-21	N. ROND	REDLINES

Sheet
C-1

- EXISTING AT&T TOWER EQUIPMENT TABULATION:**
- (3) (E) ANTENNAS
 - (1) (E) RRUS-11
 - (2) (E) RRUS-32
 - (1) (E) KRY 112 89/4
 - (1) (E) SURGE SUPPRESSOR WITH (1) FIBER TRUNK AND (2) D/C POWER TRUNKS



PROPRIETARY INFORMATION
THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-COM IS STRICTLY PROHIBITED

CLIENT:
Vinculums
10 PASTEUR, SUITE 100
IRVINE, CA 92618

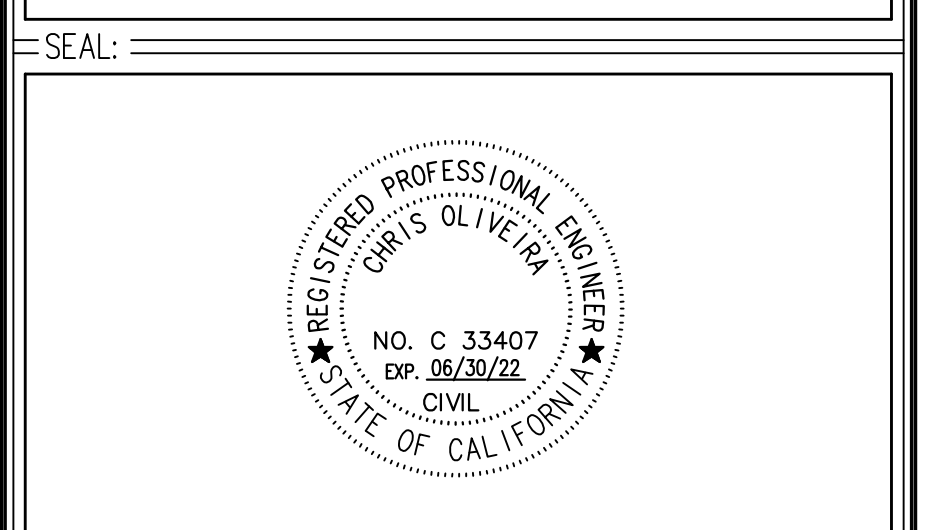
at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
BASS LAKE
3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

REV: DATE: DESCRIPTION: BY:

1	11-25-20	90% CONSTRUCTION DOC'S	AMP
2	12-29-20	95% CONSTRUCTION DOC'S	AMP
3	1-21-21	100% CONSTRUCTION DOC'S	AMP
4	4-26-21	REV 100% CONSTRUCTION DOC'S	AMP

COORDINATING ENGINEER:
Peek Site-Com
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitcom.com

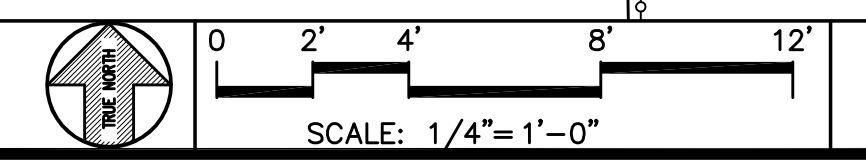


SITE #: CVL01284
CHK.: ...
DRAWN BY: AMP

SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER: A-1.1
REVISION: 0

ENLARGED SITE PLAN



FINAL ANTENNA CONFIGURATION CHART

SECTOR/POS.	RAD CENTER	PHYSICAL AZIMUTH	EXISTING ANTENNA MODEL	NEW ANTENNA MODEL	ANT. STATUS	TECH./FREQUENCY	RRU
A/1	± 41°	320°	742-264	NNHH-65B-R4	NRE	FNET/AWS	(1) NEW RRUS-32 B66 & (1) NEW RRUS-4478 B14
A/2	± 41°	320°	SBNHH-1D65A	QD66512-3D	NRE	700/5G	(1) NEW RRUS-4449 B5/B12
A&D/3	± 41°	320°	BSA-M65R-BUU-H4	HBSA33R-KU6AA-K	NRE	U850/L1900-ALPHA/DELTA	(2) (E) RRUS-32 B2
B/1	± 41°	125°		NNH4-65B-R6H4	NEW	FNET/AWS/2ND PCS	(1) NEW RRUS-32 B66 & (1) NEW RRUS-4478 B14 & (1) NEW RRUS-32 B2
B/2	± 41°	125°			OPEN		
B/3	± 41°	125°		QD66512-3D	NEW	700/5G/PCS	(1) NEW RRUS-4449 B5/B12 & (1) RRUS-32 B2
C/1	± 41°	45°		NNH4-65B-R6H4	NEW	FNET/AWS/2ND PCS	(1) NEW RRUS-32 B66 & (1) NEW RRUS-4478 B14 & (1) NEW RRUS-32 B2
C/2	± 41°	45°			OPEN		
C/3	± 41°	45°		QD66512-3D	NEW	700/5G/PCS	(1) NEW RRUS-4449 B5/B12 & (1) RRUS-32 B2

LEGEND:

- B - ANTENNA BY OTHERS
- ER - EXISTING ANTENNA TO REMAIN
- NRE - NEW ANTENNA TO REPLACE EXISTING
- NRO - NEW ANTENNA TO REPLACE ANTENNA BY OTHERS
- N - NEW ANTENNA TO BE INSTALLED
- FBO - FUTURE BY OTHERS
- ** - AT GROUND LEVEL

NOTE:

- (1) (E) RRUS-11 TO BE REMOVED
- (1) (E) KRY 112 89/4 TMA TO BE REMOVED

NOTE:
CONTRACTOR TO ENSURE THAT THE JUMPERS FOR RRUS-4478 B14 ARE THE SAME LENGTH

ANTENNA CONFIGURATION CHART

1

EXISTING AT&T TOWER EQUIPMENT TABULATION:

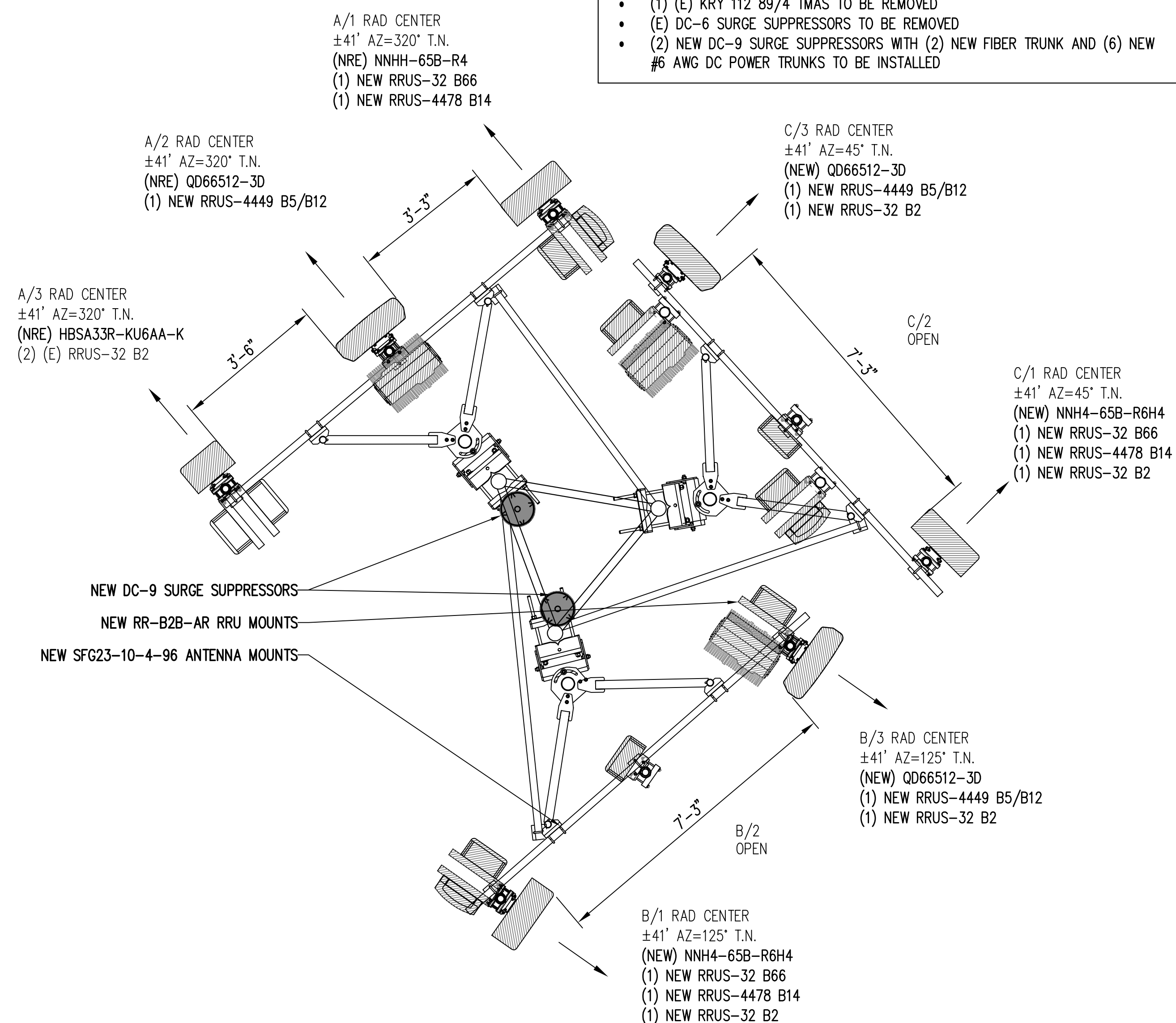
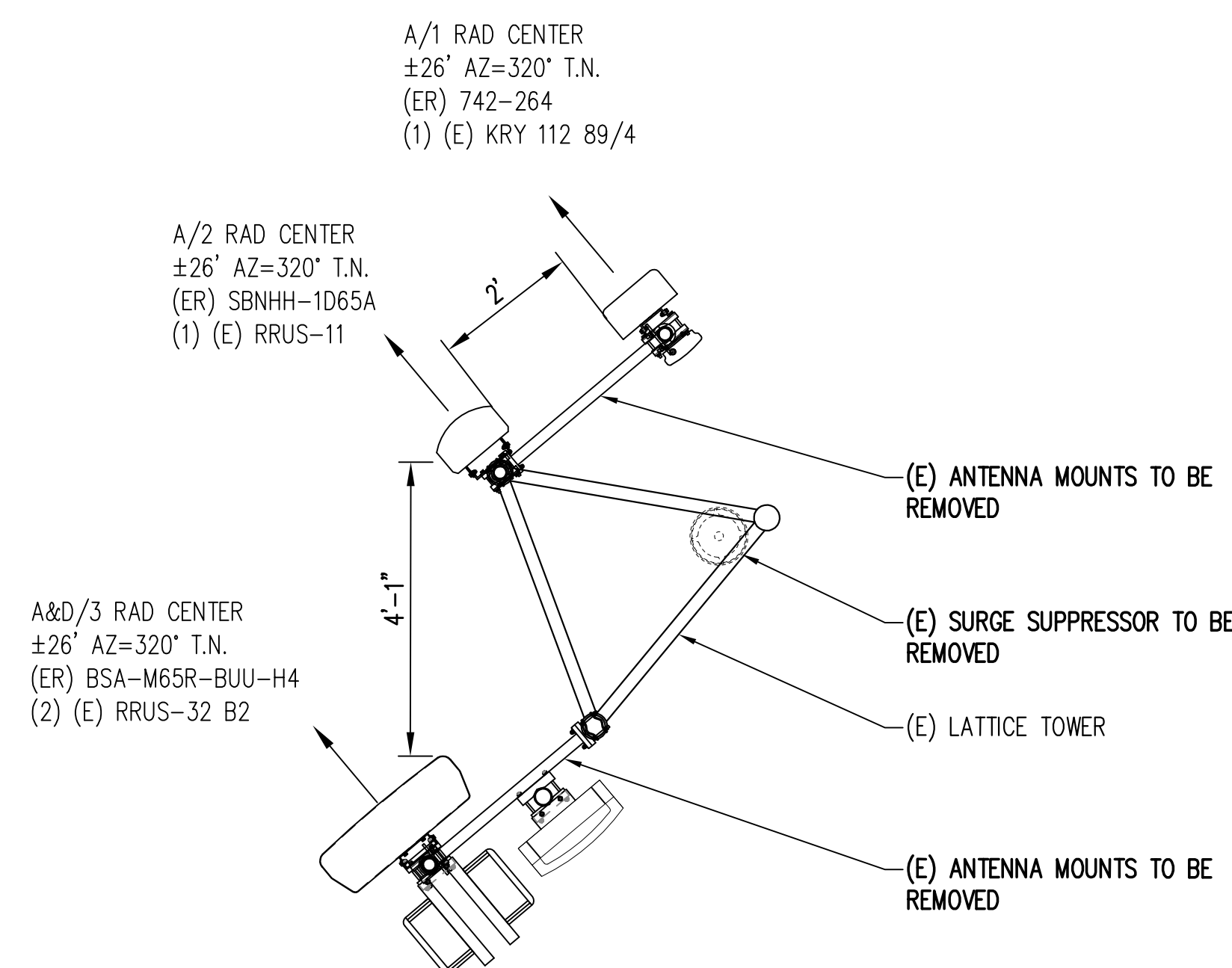
- (3) (E) ANTENNAS
- (1) (E) RRUS-11
- (2) (E) RRUS-32
- (1) (E) KRY 112 89/4
- (1) (E) SURGE SUPPRESSOR WITH (1) FIBER TRUNK AND (2) D/C POWER TRUNKS

CONTRACTOR SHALL FIELD VERIFY THAT ALL RRUS UNITS AND ANTENNAS ARE INSTALLED OR MOVED TO MATCH THE PROPOSED ANTENNA PLAN TO INSURE ALL MOUNT/STRUCTURAL ANALYSIS ARE ACCURATE

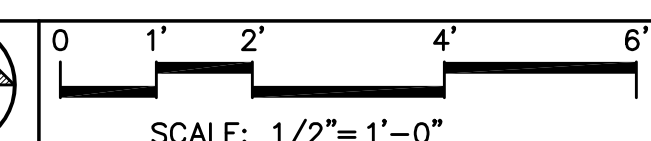
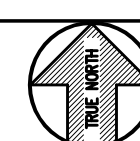
NOTE:
NEW RRU MOUNTING PIPES TO BE INSTALLED TO ENSURE 12" CLEARANCE BETWEEN NEW RRUS AND ANTENNA TYP. AS NEEDED

PROPOSED AT&T TOWER EQUIPMENT TABULATION:

- (3) (E) ANTENNAS TO BE REPLACED WITH (3) NEW ANTENNAS ONTO NEW TOWER
- (4) NEW ANTENNAS TO BE INSTALLED ONTO NEW TOWER
- NEW TOWER EXTENSION TO BE INSTALLED BY CONTRACTOR
- INSTALL (3) NEW COMMSCOPE SECTOR MOUNTS ON (E) UN-USED LATTICE TOWER
- (3) NEW RRUS-4478 B14 TO BE INSTALLED
- (3) NEW RRUS-32 B66 TO BE INSTALLED
- (3) NEW RRUS-4449 B5/B12 TO BE INSTALLED
- (4) NEW RRUS-32 B2 TO BE INSTALLED
- (1) (E) RRUS-11 TO BE REMOVED
- (1) (E) KRY 112 89/4 TMAS TO BE REMOVED
- (E) DC-6 SURGE SUPPRESSORS TO BE REMOVED
- (2) NEW DC-9 SURGE SUPPRESSORS WITH (2) NEW FIBER TRUNK AND (6) NEW #6 AWG DC POWER TRUNKS TO BE INSTALLED

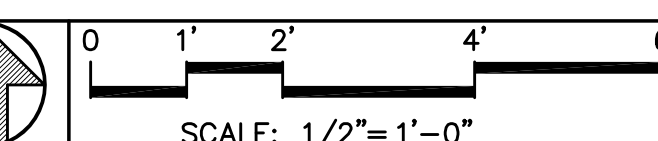
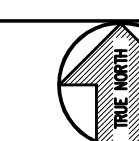


(E) ANTENNA PLAN



3

(P) ANTENNA PLAN



2

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-CDM IS STRICTLY PROHIBITED

CLIENT:



10 PASTEUR, SUITE 100
IRVINE, CA 92618



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE

3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

REV: DATE: DESCRIPTION: BY:

REV	DATE	DESCRIPTION	BY
1	11-25-20	90% CONSTRUCTION DOC'S	AMP
2	12-29-20	95% CONSTRUCTION DOC'S	AMP
3	1-21-21	100% CONSTRUCTION DOC'S	AMP
4	4-26-21	REV 100% CONSTRUCTION DOC'S	AMP

COORDINATING ENGINEER:

Peek Site-Com

12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

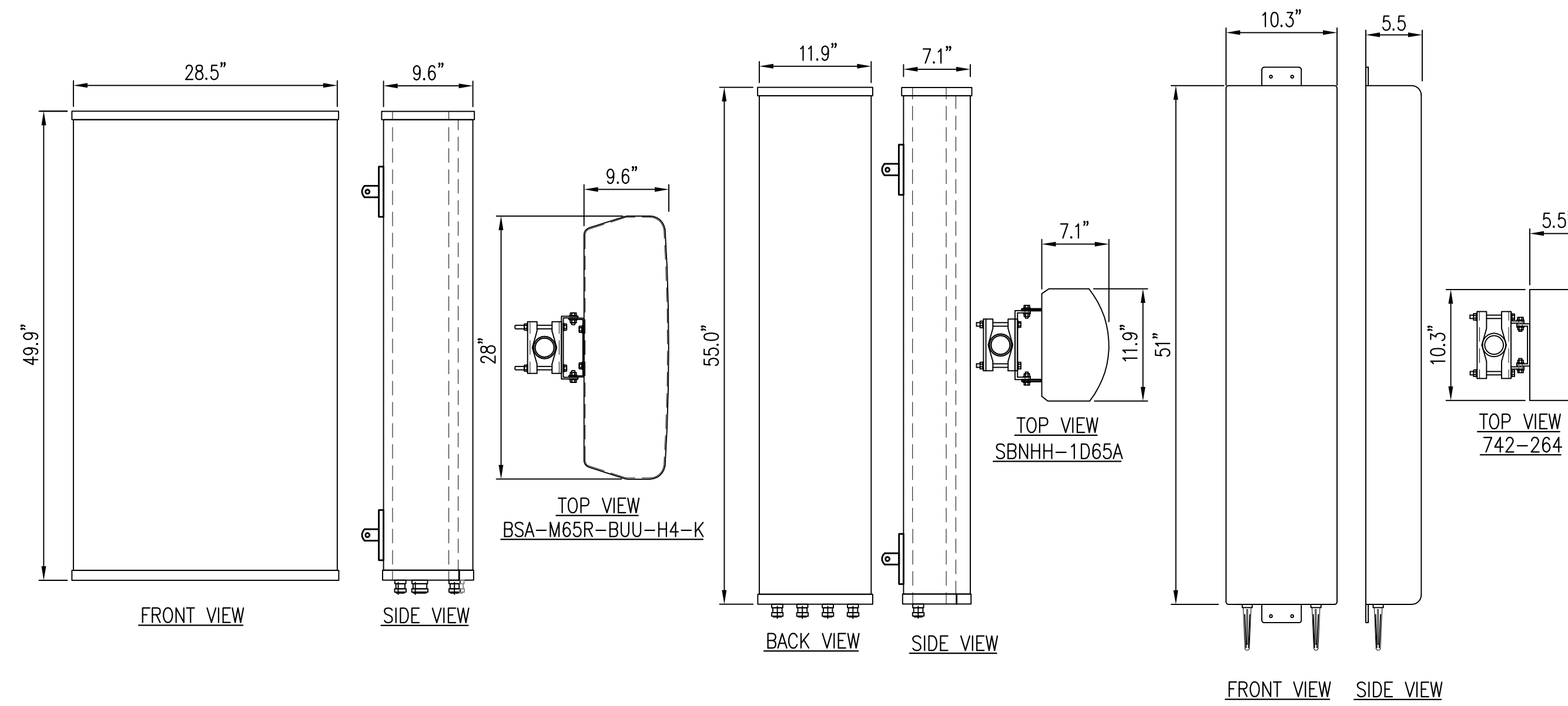
CVL01284 ... AMP

SHEET TITLE:

ANTENNA PLAN

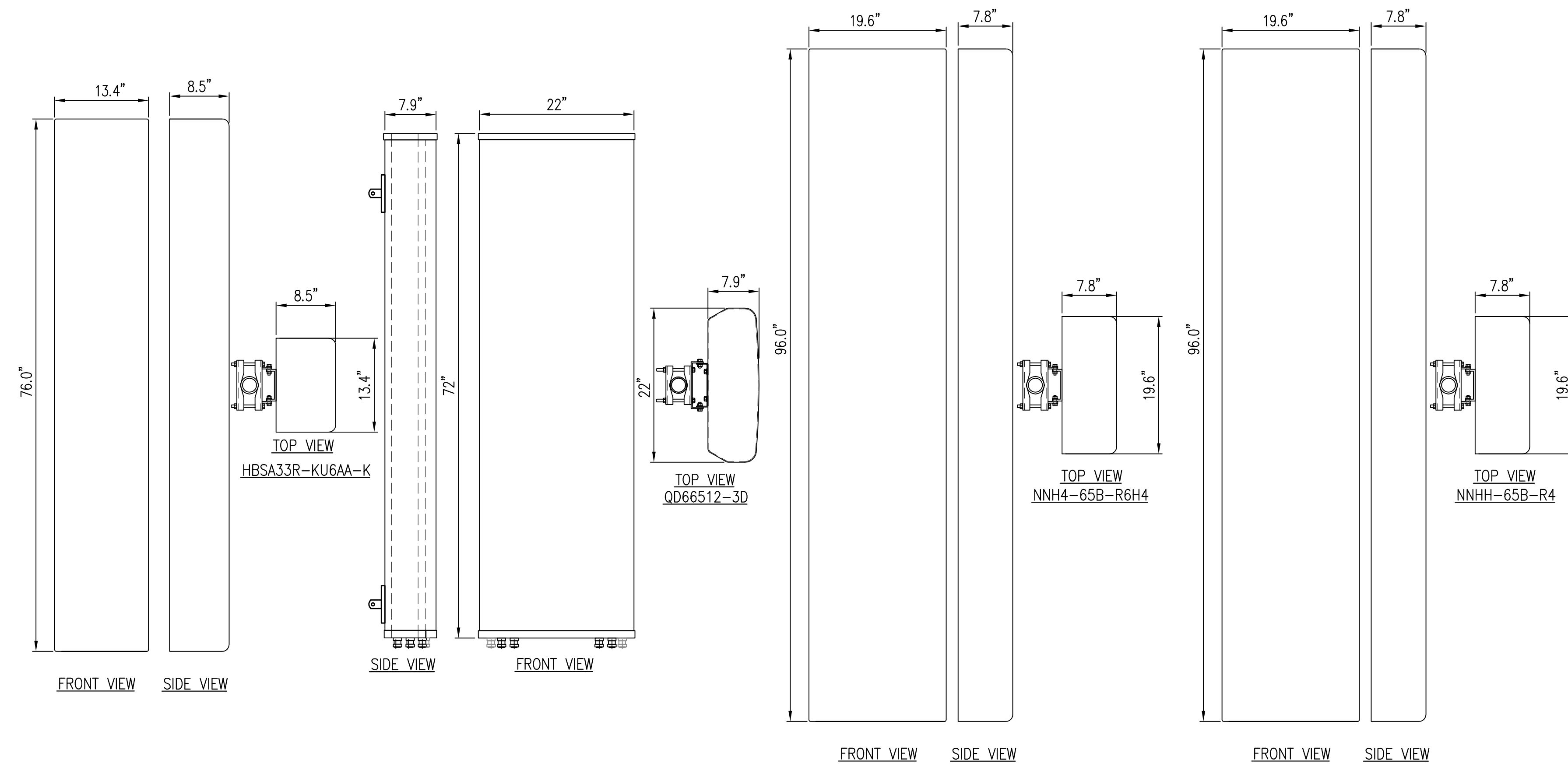
SHEET NUMBER: REVISION:

A-1.2 0



EXISTING ANTENNA DETAILS

SCALE: N.T.S. 1



NEW ANTENNA DETAILS

SCALE: N.T.S. 2

PROPRIETARY INFORMATION
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CLIENT:



10 PASTEUR, SUITE 100
IRVINE, CA 92618



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE

3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

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COORDINATING ENGINEER:

Peek Site-Com
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

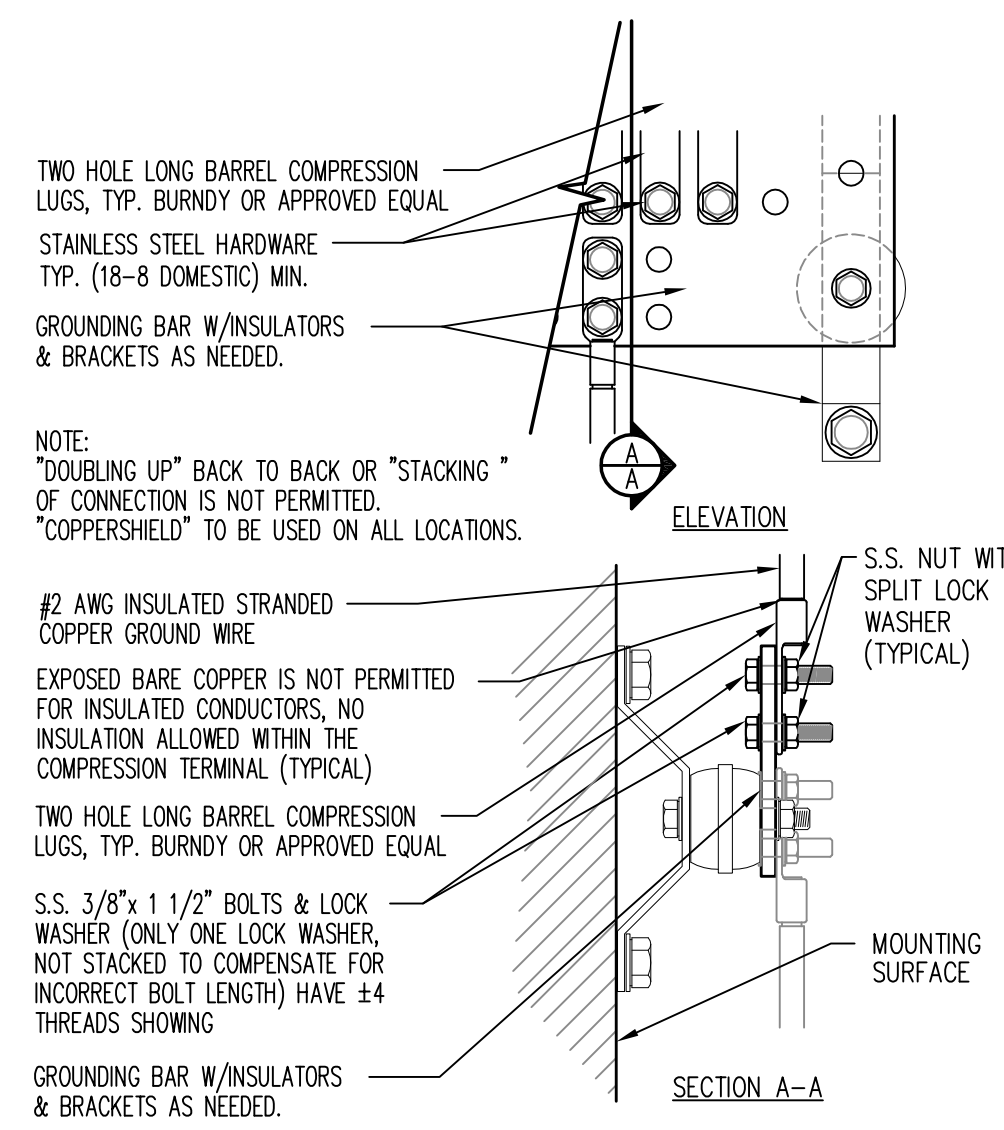
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SHEET TITLE:

ANTENNA DETAILS

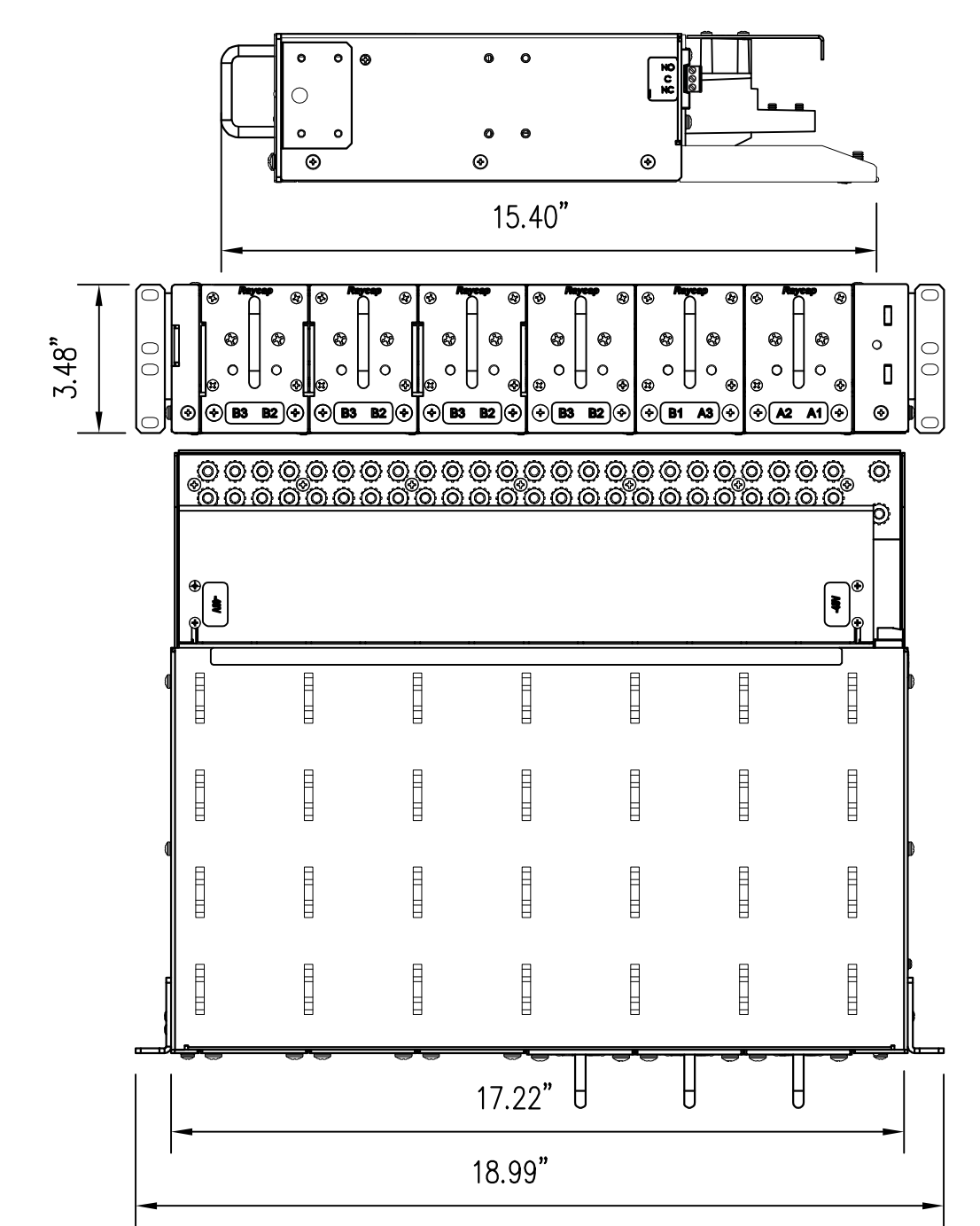
SHEET NUMBER: REVISION:

A-1.3 0



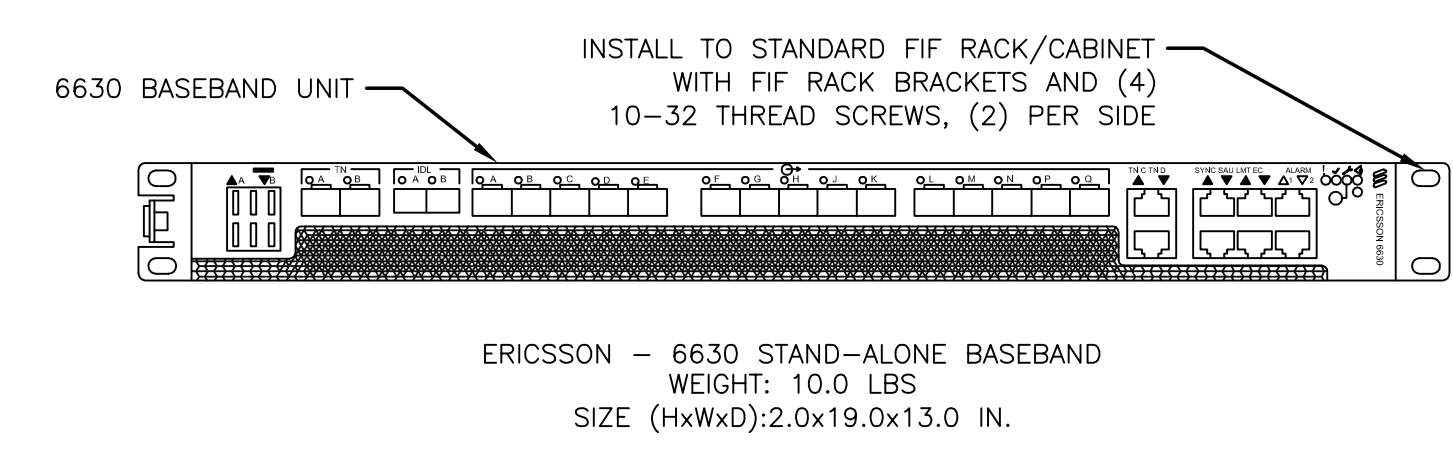
TYP. GROUND BAR CONNECTIONS DETAIL

SCALE: N.T.S. 3



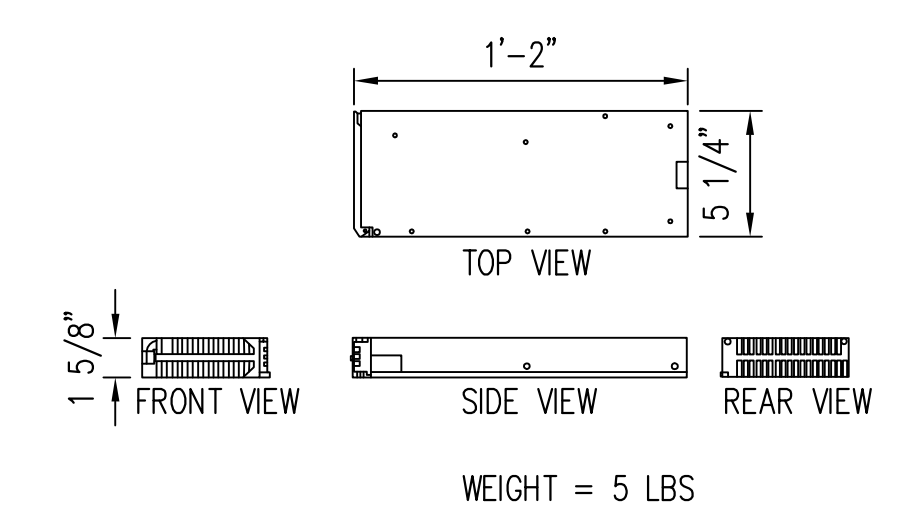
NEW INDOOR DC-12 DETAIL

SCALE: N.T.S. 1



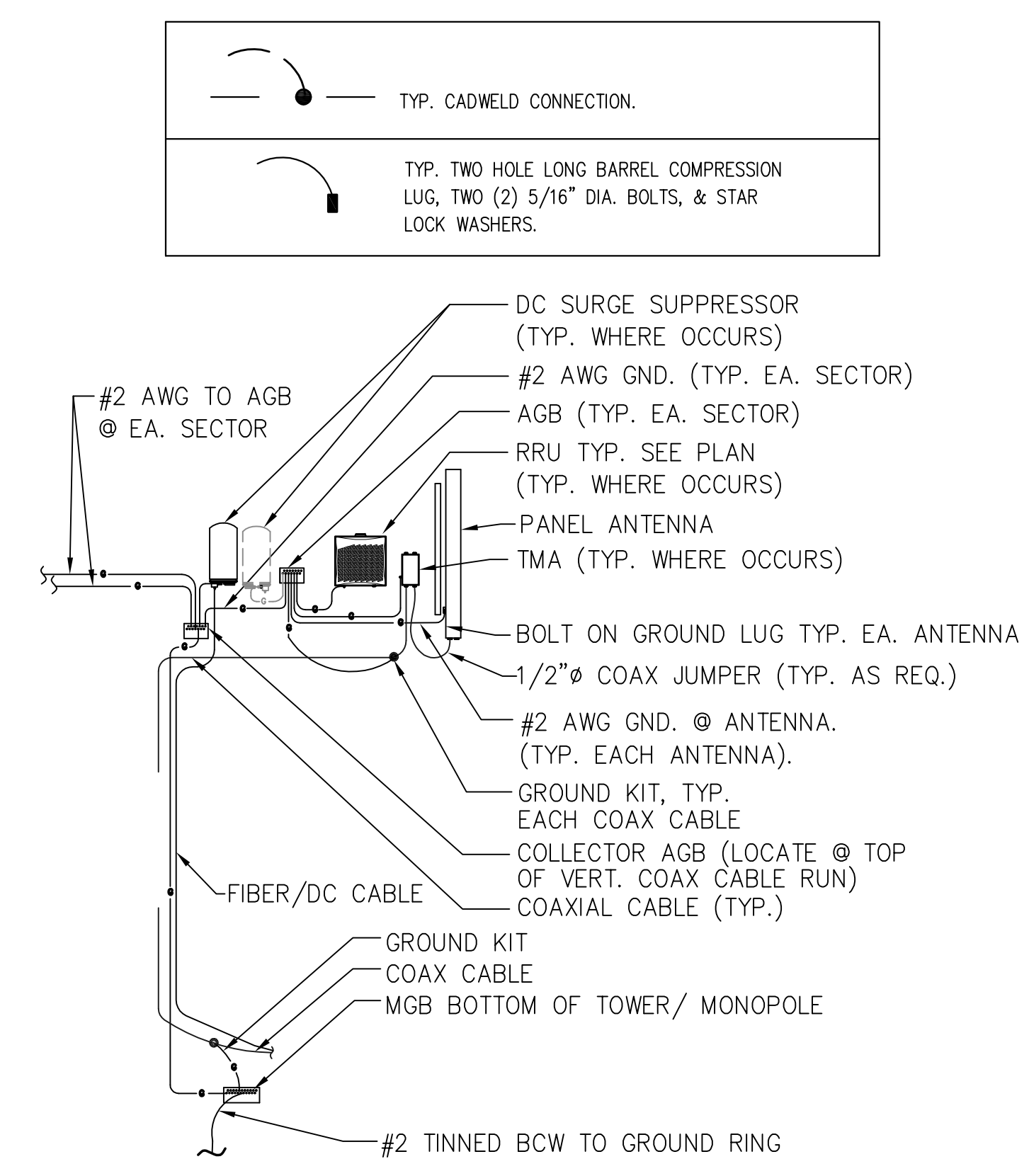
NEW 6630 DETAIL

SCALE: N.T.S. 4



NEW RECTIFIER DETAIL

SCALE: N.T.S. 5

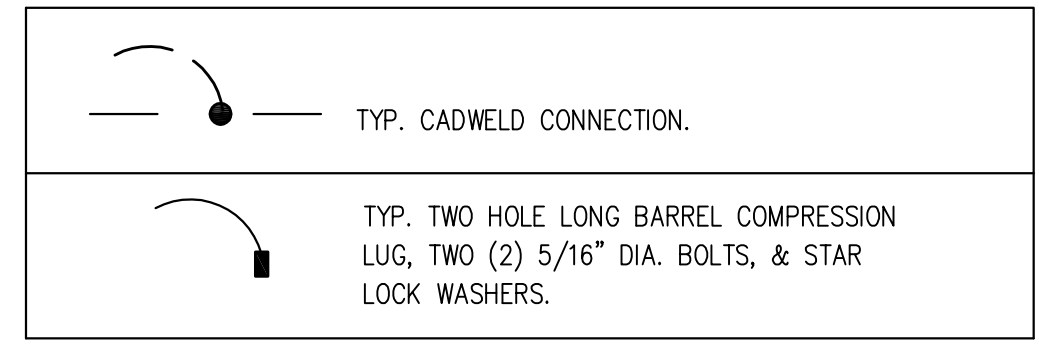


ANTENNA RISER DIAGRAM

SCALE: N.T.S. 2

GROUNDING NOTES

- GROUNDING SHALL COMPLY WITH (NEC) 2019
- GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY AT&T
- USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
- BOND ANY METAL OBJECTS WITHIN 7 FEET OF AT&T EQUIPMENT CABINETS TO MASTER GROUND BAR OR DIRECTLY TO U.G. GROUND RING W/#2 TINNED BCW DOWNLEAD
- CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PEDESTAL GROUND OR SURGE PROTECTOR) SURGE ABSORBERS (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN BTS).
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS UNIFORMLY SPACED AROUND CELL SITE. THE GROUND ROD SHALL BE 5/8" Ø COPPER CLAD STEEL & BE 10'-0" LONG SPACED @ 10'-0" O.C. OR 8'-0" LONG SPACED 8'-0" O.C. ALONG GROUND RING THE RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW THE SURFACE OF THE SOIL.



PROPRIETARY INFORMATION
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CLIENT:

10 PASTEUR, SUITE 100
IRVINE, CA 92618

5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE
3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

REV.	DATE	DESCRIPTION	BY
1	11-25-20	90% CONSTRUCTION DOC'S	AMP
2	12-29-20	95% CONSTRUCTION DOC'S	AMP
3	1-21-21	100% CONSTRUCTION DOC'S	AMP
4	4-26-21	REV 100% CONSTRUCTION DOC'S	AMP

COORDINATING ENGINEER:

12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitcom.com

SEAL:

SITE #: CVL01284
CHK.: ...
DRAWN BY: AMP

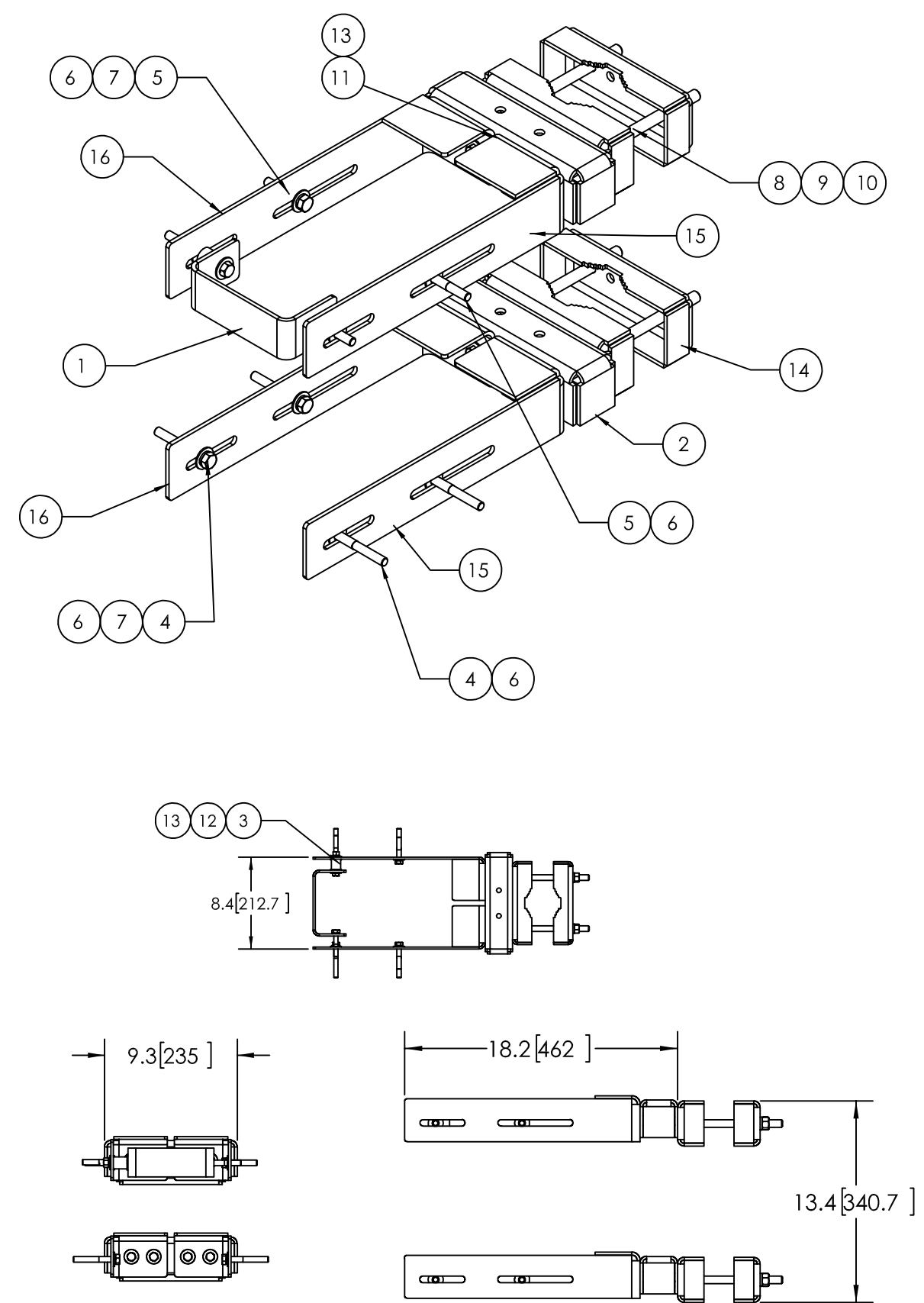
SHEET TITLE: DETAILS

SHEET NUMBER: A-1.4
REVISION: 0

NOTES:
1. ALL METRIC DIMENSIONS ARE IN BRACKETS.
3. INSTALL WHEN USING SINGLE RRU/A2 SET-UP.

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	MTC332641	FRONT RRU BRACE	1	1.15 LBS	
2	MTC332643	TRANSITION BRACKET	2	3.59 LBS	
3	MTC332613	SPACER FOR 3/8" BOLT	1	0.08 LBS	3
4	MTC332647	M-10 X 75mm Hex Bolt SS	4	0.12 LBS	
5	MTC332648	M-10 X 55mm Hex Bolt SS	4	0.10 LBS	
6	WL-03	3/8" SS LOCK WASHER	8	0.01 LBS	
7	SWF-03	3/8" SS FLAT WASHER	8	0.01 LBS	
8	MT-379-8	1/2" X 8" GALV THREADED ROD	4	0.44 LBS	
9	GWL-04	1/2" GALV LOCK WASHER	8	0.01 LBS	
10	GN-04	1/2" GALV HEX NUT	12	0.04 LBS	
11	GB-03125	3/8" X 1-1/4" GALV BOLT KIT	8	0.06 LBS	
12	GB-03225	3/8" X 2-1/4" GALV BOLT KIT	1	0.09 LBS	3
13	GW-03	3/8" GALV FLAT WASHER	10	0.01 LBS	3
14	MTC332646	PIPE CLAMP	4	2.44 LBS	
15	MTC332654	RIGHT RRU BRACKET	2	3.22 LBS	
16	MTC332653	LEFT RRU BRACKET	2	3.22 LBS	

RR-B2B-AR

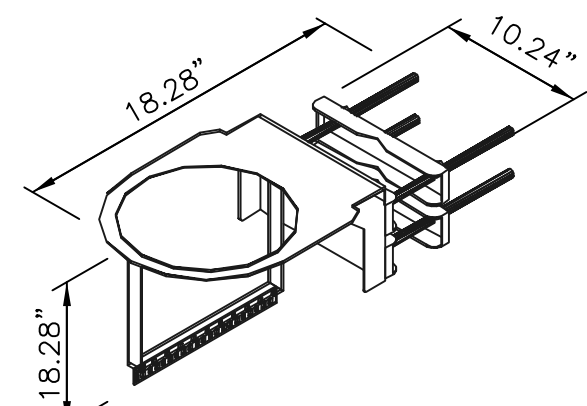


NEW RRU MOUNT DETAIL

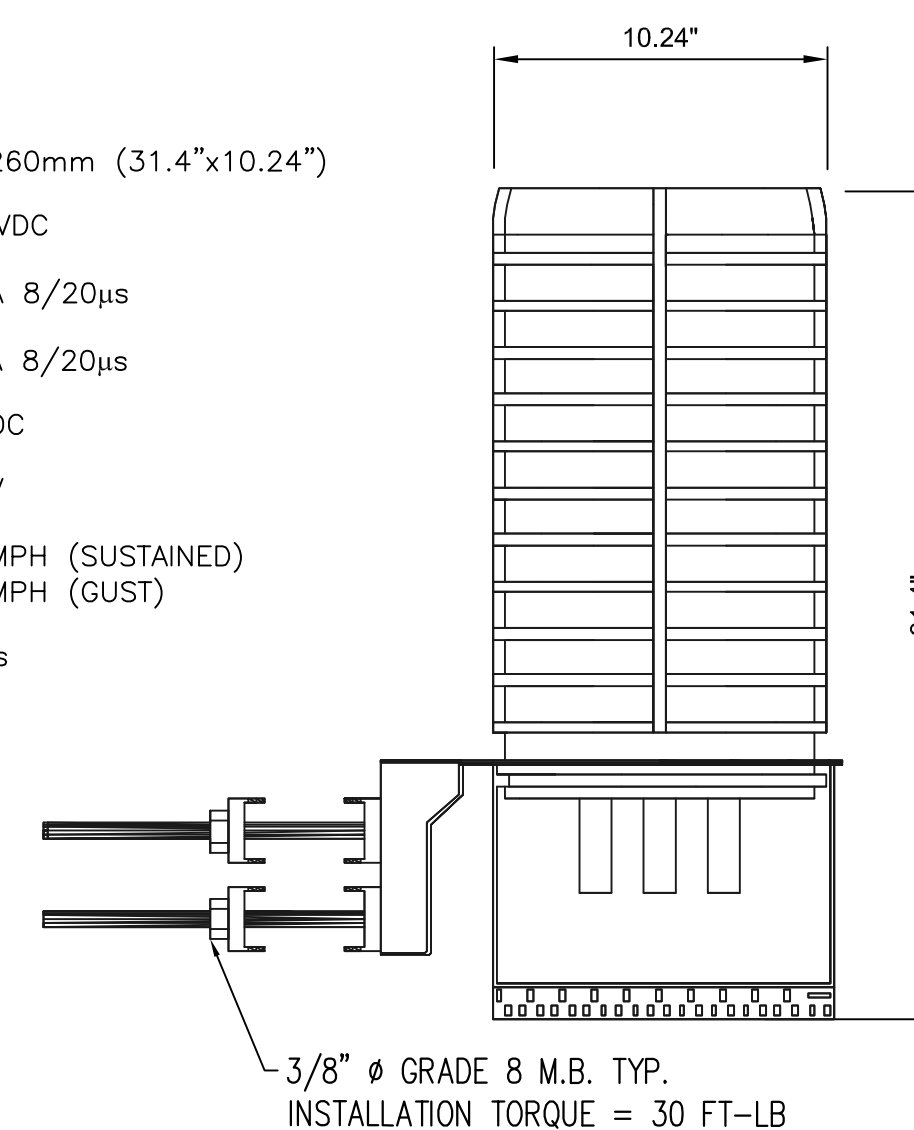
SCALE: N.T.S. 3

RAYCAP DC9-48-60-24-8C-EV

DIMENSIONS, WxDxH: 798x260mm (31.4"x10.24")
 NOMINAL OPERATING VOLTAGE: -48 VDC
 NOMINAL DISCHARGE CURRENT: 20 kA 8/20µs
 MAXIMUM DISCHARGE CURRENT: 60 kA 8/20µs
 MAXIMUM CONTINUOUS OPERATING VOLTAGE: 60 VDC
 VOLTAGE PROTECTION RATING: 160 V
 WIND LOADING: 150 MPH (SUSTAINED)
 195 MPH (GUST)
 TOTAL WEIGHT: 16 lbs



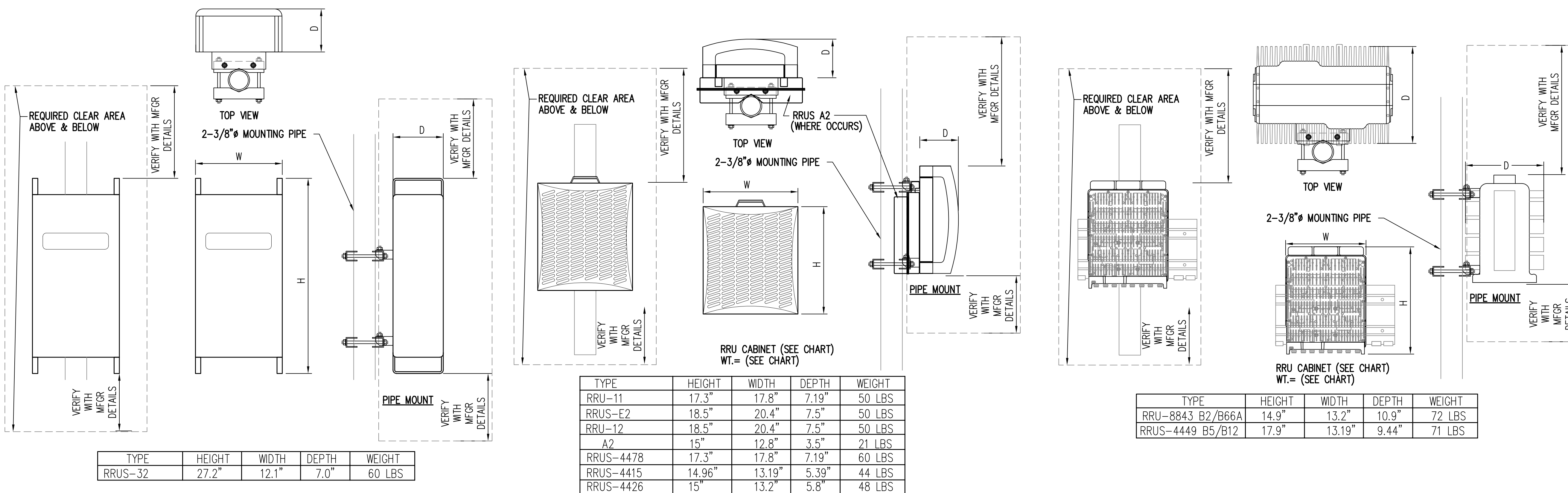
CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION



3/8" Ø GRADE 8 M.B. TYP.
INSTALLATION TORQUE = 30 FT-LB

NEW SURGE SUPPRESSOR DETAIL

SCALE: N.T.S. 1



TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-32	27.2"	12.1"	7.0"	60 LBS

TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRU-11	17.3"	17.8"	7.19"	50 LBS
RRUS-E2	18.5"	20.4"	7.5"	50 LBS
RRU-12	18.5"	20.4"	7.5"	50 LBS
A2	15"	12.8"	3.5"	21 LBS
RRUS-4478	17.3"	17.8"	7.19"	60 LBS
RRUS-4415	14.96"	13.19"	5.39"	44 LBS
RRUS-4426	15"	13.2"	5.8"	48 LBS

TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRU-8843 B2/B66A	14.9"	13.2"	10.9"	72 LBS
RRUS-4449 B5/B12	17.9"	13.19"	9.44"	71 LBS

RRUS DETAIL

SCALE: N.T.S. 2

PROPRIETARY INFORMATION
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CLIENT:

10 PASTEUR, SUITE 100
IRVINE, CA 92618

5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE
3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

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COORDINATING ENGINEER:

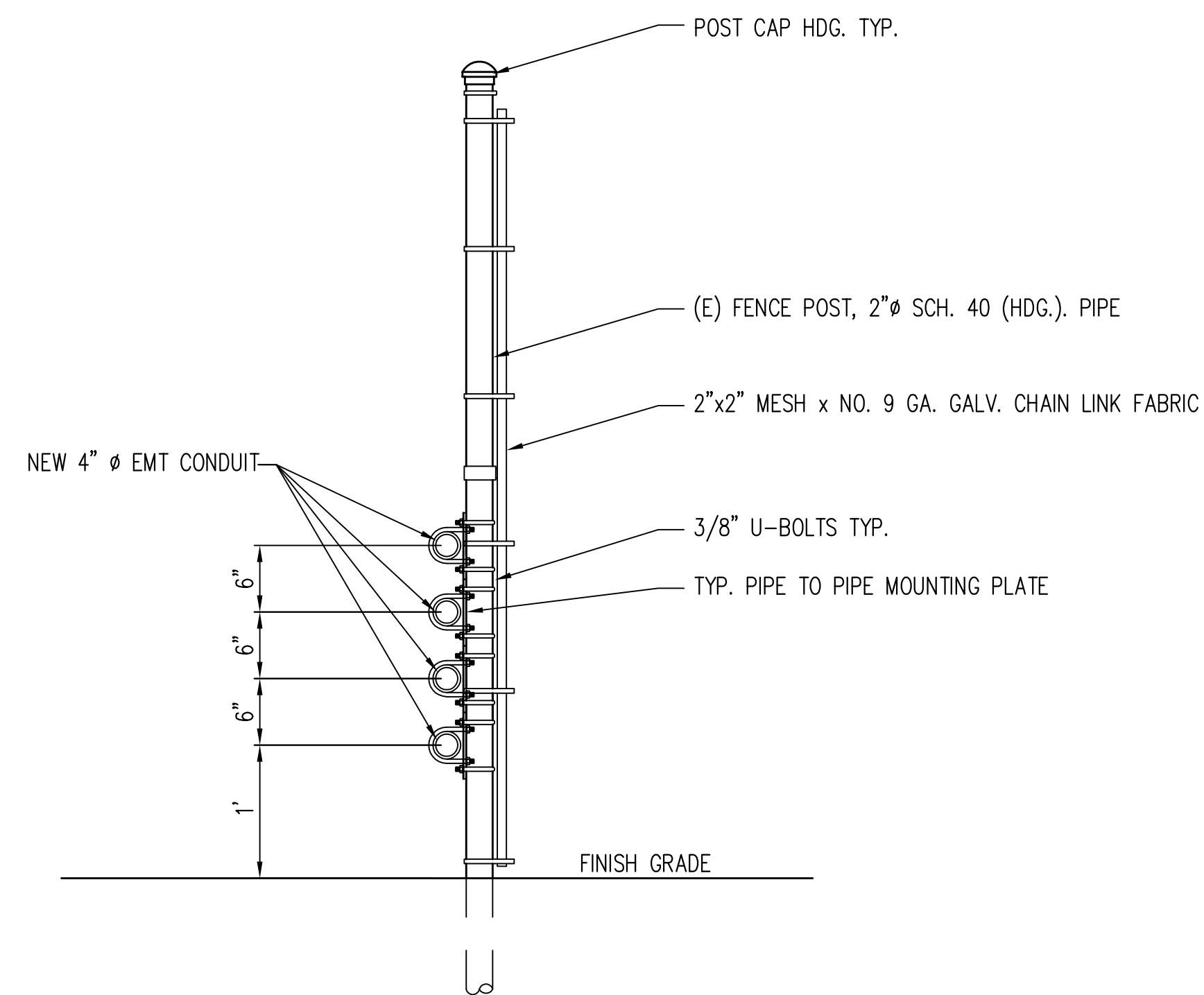
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitecom.com

SEAL:

SITE #: _____ CHK.: _____ DRAWN BY: _____
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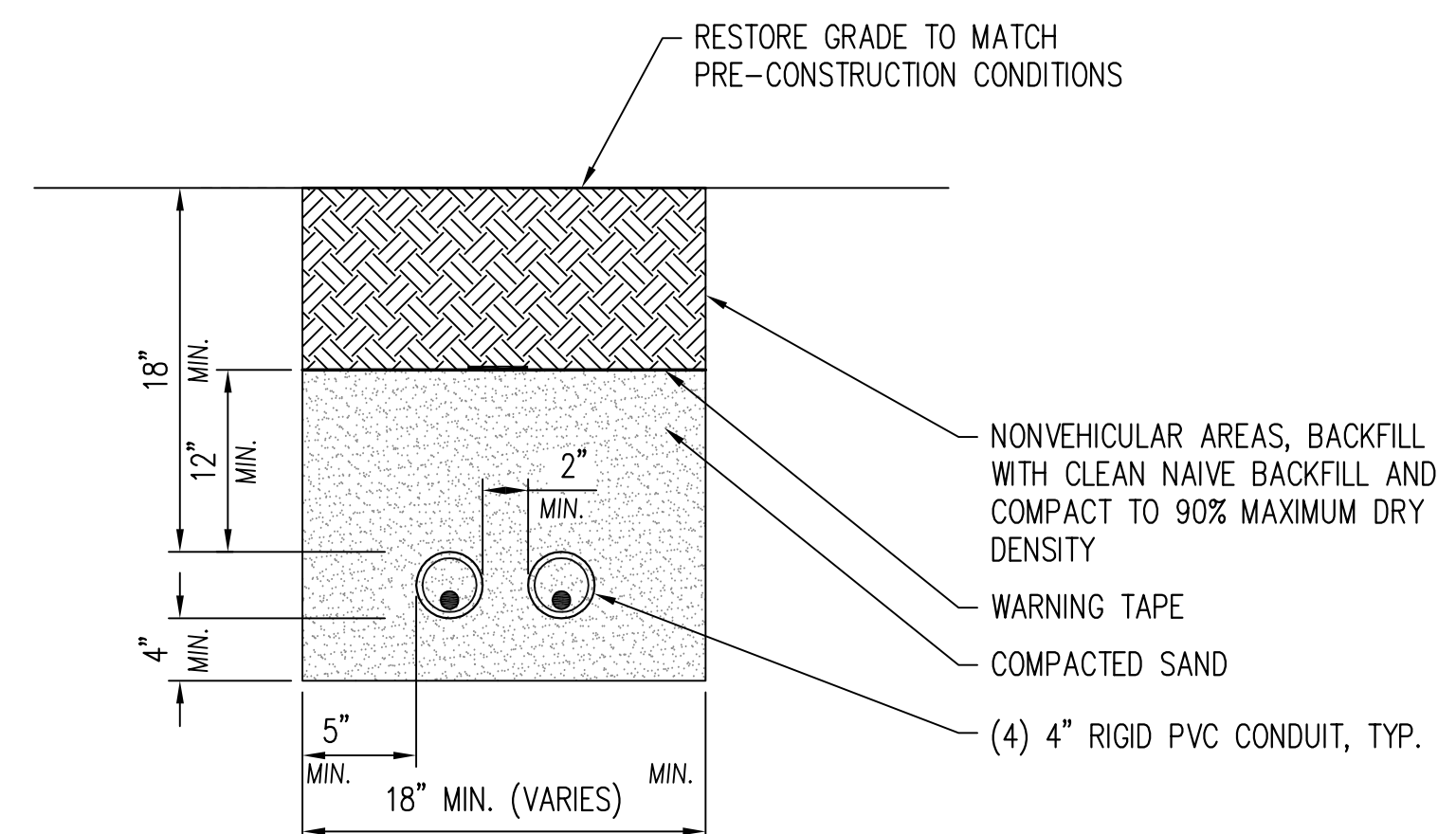
SHEET TITLE: **DETAILS**

SHEET NUMBER: _____ REVISION: _____
A-1.5 0



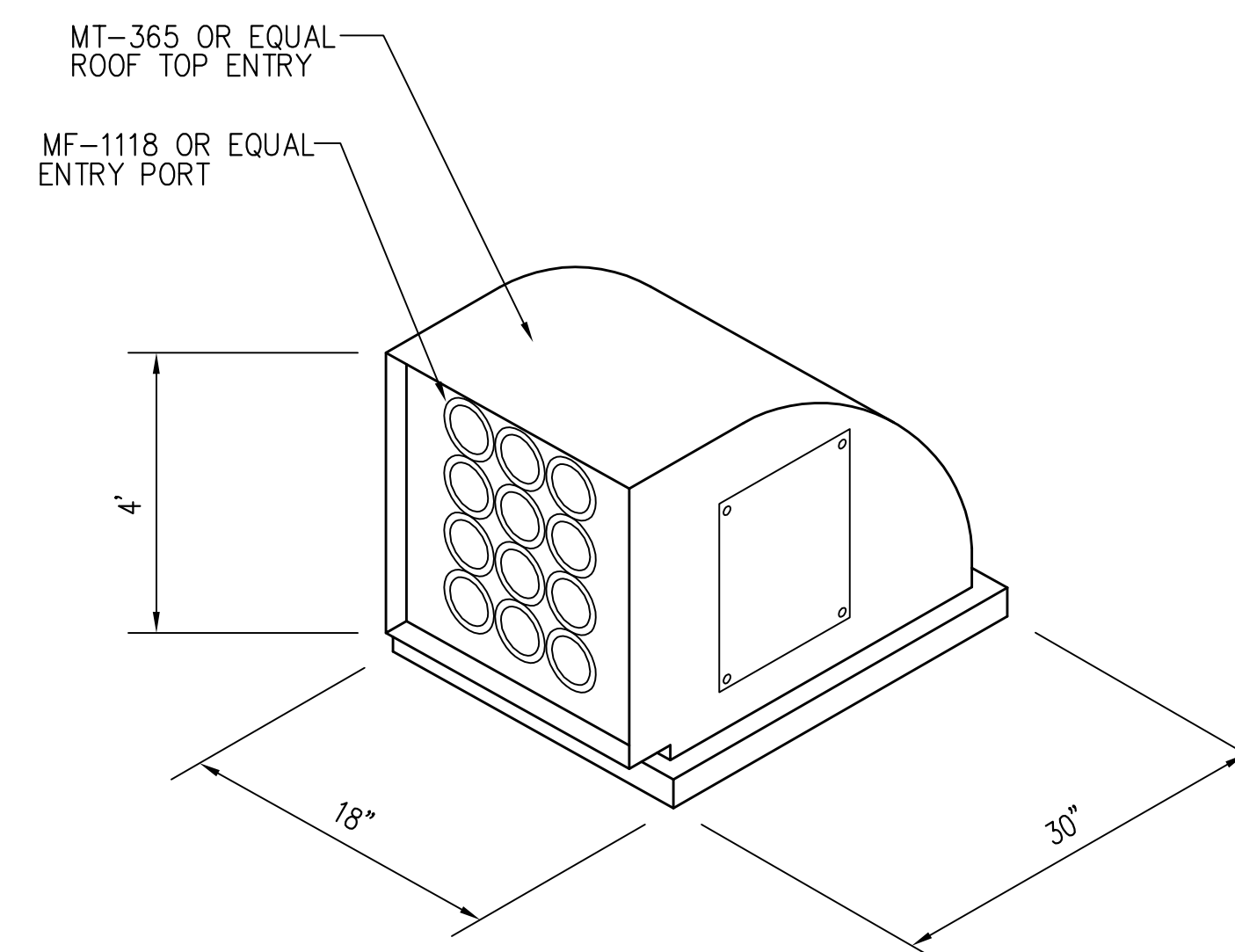
CONDUIT ON FENCE DETAIL

SCALE: N.T.S. 3



NEW TRENCHING DETAIL

SCALE: N.T.S. 1



NEW DOGHOUSE DETAIL

SCALE: N.T.S. 2

N/A

SCALE: N.T.S. 4

PROPRIETARY INFORMATION
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CLIENT:



10 PASTEUR, SUITE 100
IRVINE, CA 92618



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE

3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

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Phone (530) 885-6160

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CVL01284 ... AMP

SHEET TITLE:

DETAILS

SHEET NUMBER: REVISION:

A-1.6 0

EXISTING ANTENNA CONFIGURATION:
(3) EXISTING PANEL ANTENNAS
(3) EXISTING RRU UNITS & (1) EXISTING TMA UNIT

FINAL ANTENNA CONFIGURATION:
(7) PANEL ANTENNAS AND (15) RRU UNITS

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CLIENT:
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10 PASTEUR, SUITE 100
IRVINE, CA 92618

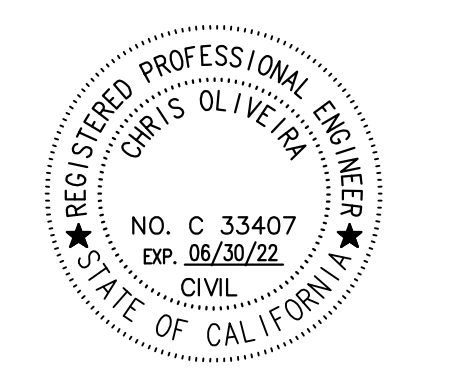
at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

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Phone (530) 885-6160
E-Mail info@peeksitcom.com

SEAL:


SITE #: CVL01284 CHK.: ... DRAWN BY: AMP

SHEET TITLE: **ELEVATIONS**

SHEET NUMBER: **A-2** REVISION: **0**

- TOP OF ANTENNAS (E) BY OTHERS @ ± 41' AGL
- OVERALL HEIGHT OF (E) TOWER @ ± 34' AGL
- TOP OF (E) ANTENNAS @ ± 28' AGL
- RAD CENTER OF (E) ANTENNAS @ ± 26' AGL
- BOTTOM OF (E) ANTENNAS @ ± 24' AGL

- EXISTING AT&T TOWER EQUIPMENT TABULATION:
- (3) (E) ANTENNAS
 - (1) (E) RRU-11
 - (2) (E) RRU-32
 - (1) (E) KRY 112 89/4
 - (1) (E) SURGE SUPPRESSOR WITH (1) FIBER TRUNK AND (2) D/C POWER TRUNKS

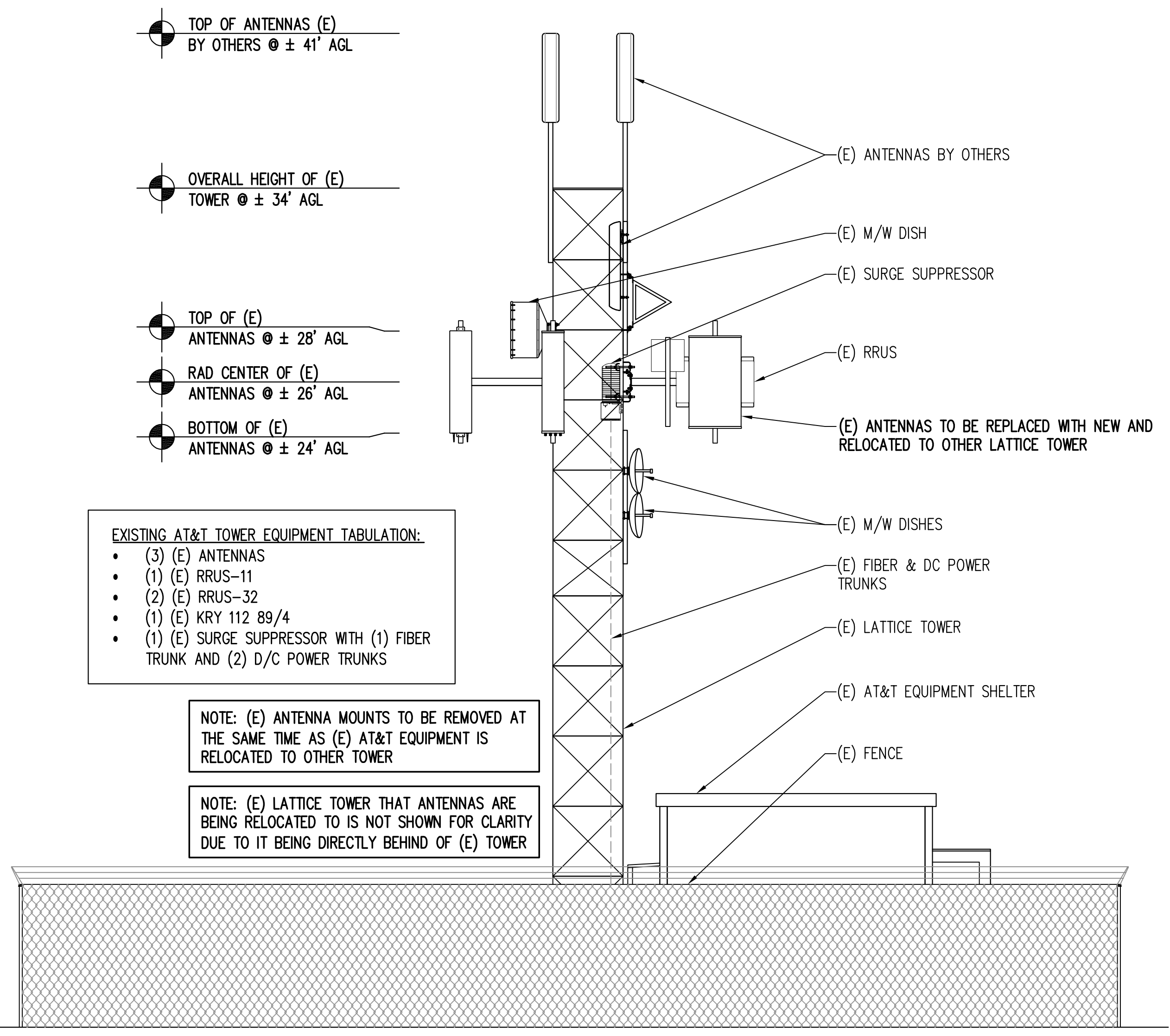
NOTE: (E) ANTENNA MOUNTS TO BE REMOVED AT THE SAME TIME AS (E) AT&T EQUIPMENT IS RELOCATED TO OTHER TOWER

NOTE: (E) LATTICE TOWER THAT ANTENNAS ARE BEING RELOCATED TO IS NOT SHOWN FOR CLARITY DUE TO IT BEING DIRECTLY BEHIND OF (E) TOWER

- TOP OF NEW ANTENNAS @ ± 45' AGL
- OVERALL HEIGHT TOWER EXTENSION @ ± 45' AGL
- RAD CENTER OF NEW ANTENNAS @ ± 41' AGL
- BOTTOM OF NEW ANTENNAS @ ± 37' AGL
- OVERALL HEIGHT OF (E) TOWER @ ± 36' AGL

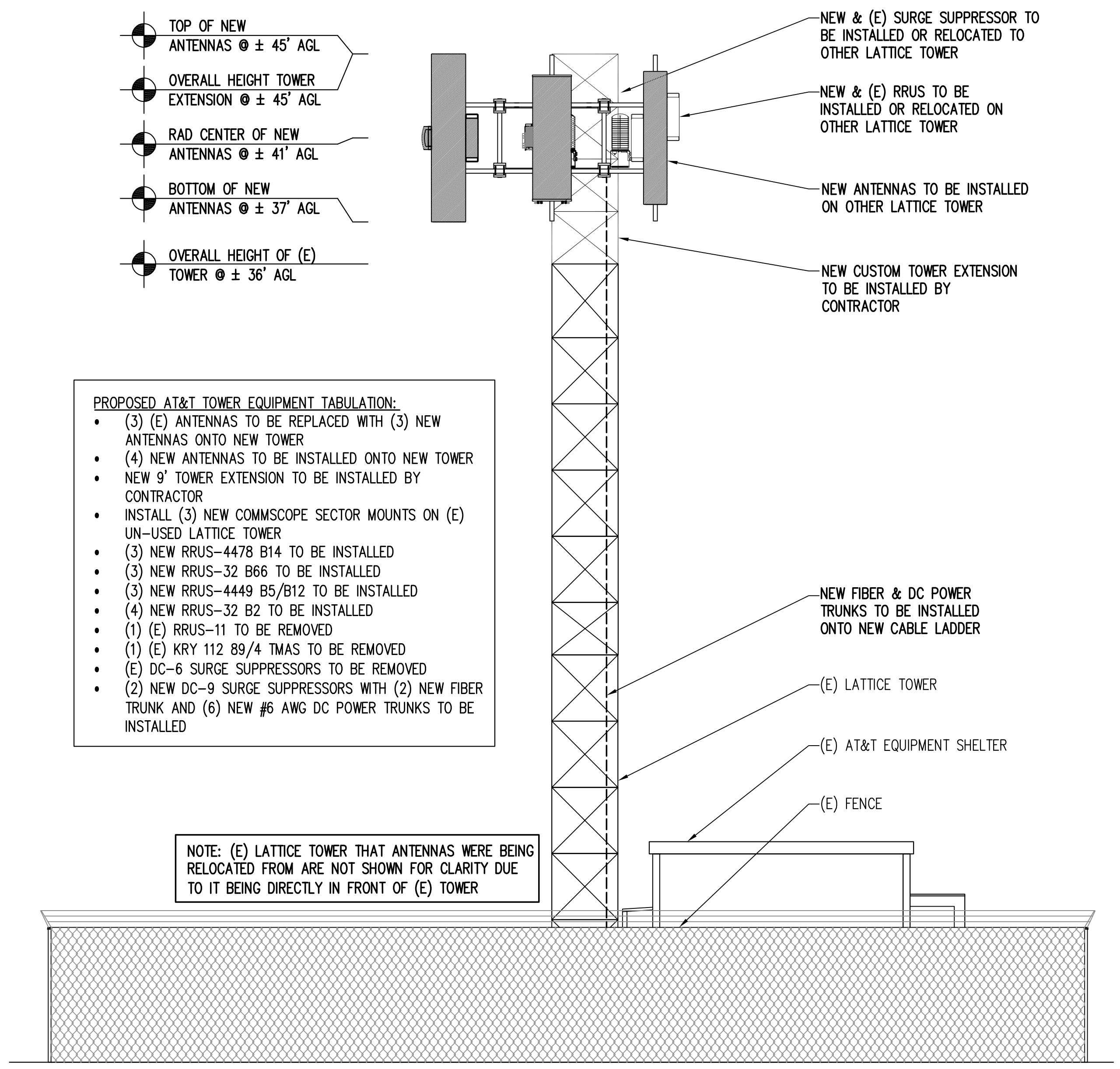
- PROPOSED AT&T TOWER EQUIPMENT TABULATION:
- (3) (E) ANTENNAS TO BE REPLACED WITH (3) NEW ANTENNAS ONTO NEW TOWER
 - (4) NEW ANTENNAS TO BE INSTALLED ONTO NEW TOWER
 - NEW 9' TOWER EXTENSION TO BE INSTALLED BY CONTRACTOR
 - INSTALL (3) NEW COMMSCOPE SECTOR MOUNTS ON (E) UN-USED LATTICE TOWER
 - (3) NEW RRU-4478 B14 TO BE INSTALLED
 - (3) NEW RRU-32 B66 TO BE INSTALLED
 - (3) NEW RRU-4449 B5/B12 TO BE INSTALLED
 - (4) NEW RRU-32 B2 TO BE INSTALLED
 - (1) (E) RRU-11 TO BE REMOVED
 - (1) (E) KRY 112 89/4 TMAS TO BE REMOVED
 - (E) DC-6 SURGE SUPPRESSORS TO BE REMOVED
 - (2) NEW DC-9 SURGE SUPPRESSORS WITH (2) NEW FIBER TRUNK AND (6) NEW #6 AWG DC POWER TRUNKS TO BE INSTALLED

NOTE: (E) LATTICE TOWER THAT ANTENNAS WERE BEING RELOCATED FROM ARE NOT SHOWN FOR CLARITY DUE TO IT BEING DIRECTLY IN FRONT OF (E) TOWER



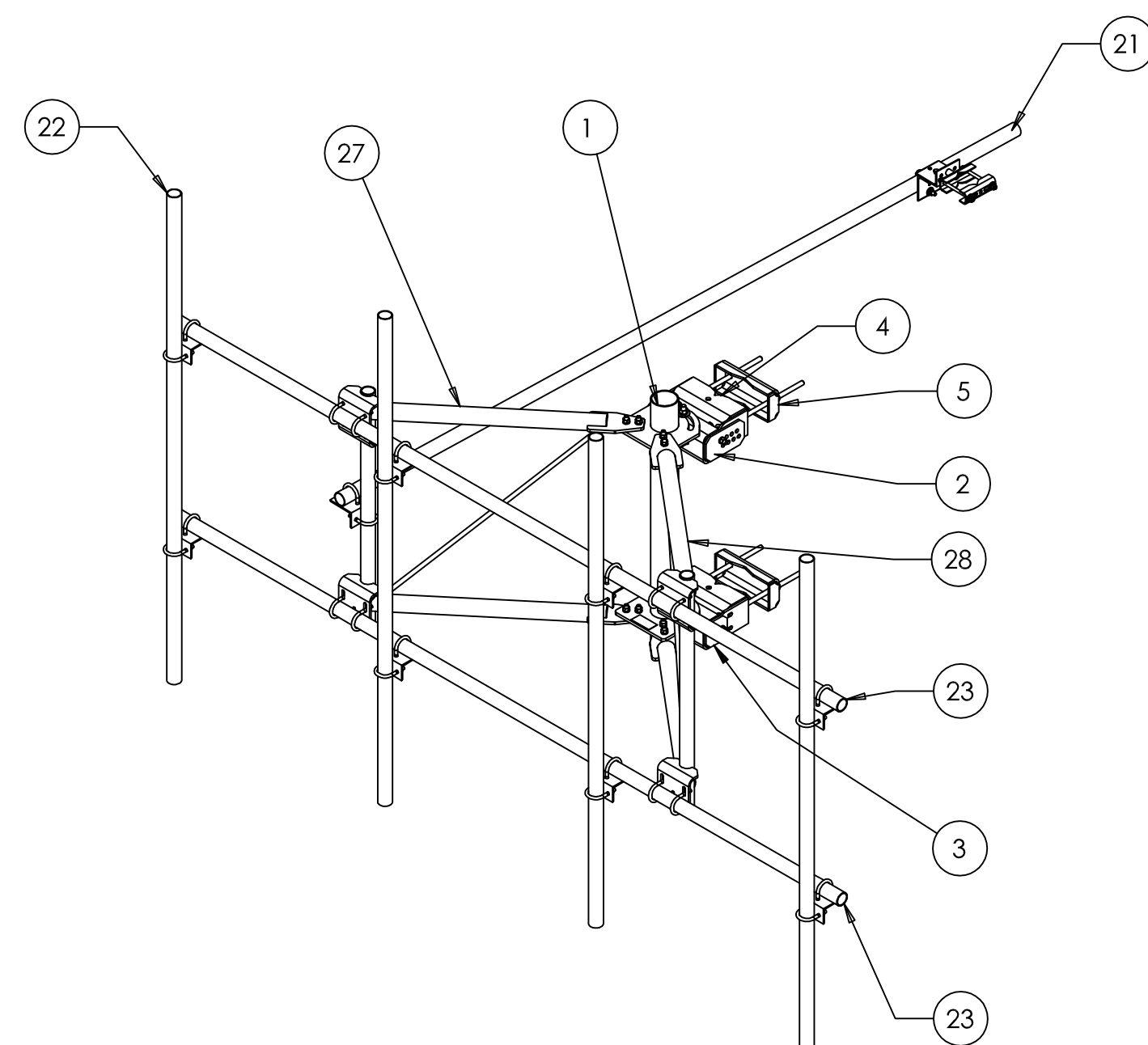
(E) NORTH ELEVATION

0 2' 4' 8' 12' SCALE: 1/4"=1'-0" 2



(P) NORTH ELEVATION

0 2' 4' 8' 12' SCALE: 1/4"=1'-0" 1



**PART NUMBER:
SFG23-10-4-96
SHOWN**

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	SFG2302	ARM MOUNT WELDMENT	1	59.80 LBS	
2	SFG2303	TOP TAPER BRACKET	1	22.61 LBS	
3	SFG2304	LOWER TAPER BRACKET	1	19.17 LBS	
4	SFG2305	TOWER SADDLE FRONT CLAMP	2	22.85 LBS	
5	SFG2306	BACK TOWER CLAMP WELDMENT	2	12.70 LBS	
6	SAB01	FORMED CLAMP	2	1.35 LBS	
7	XA2020.01	CROSS OVER ANGLE	11	2.65 LBS	
8	OS15034	3/4" X 1-1/2" OFFSET COLLAR	1	0.14 LBS	
9	MT38420	3/4" X 20" GALV THREADED ROD	4	2.49 LBS	
10	GW-06	3/4" GALV FLAT WASHER	10	0.10 LBS	
11	GWL-06	3/4" GALV LOCK WASHER	8	0.04 LBS	
12	GN-06	3/4" GALV HEX NUT	12	0.15 LBS	
13	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	27	0.56 LBS	
14	GB-0414A	1/2" X 1-1/2" GALV BOLT KIT (A325)	1	0.13 LBS	
15	GB-0426A	1/2" X 2-3/4" GALV BOLT KIT (A325)	1	0.20 LBS	
16	MT-379-8	1/2" X 8" GALV THREADED ROD	2	0.44 LBS	
17	GW-04	1/2" GALV FLAT WASHER	4	0.03 LBS	
18	GWL-04	1/2" GALV LOCK WASHER	4	0.01 LBS	
19	GN-04	1/2" GALV HEX NUT	4	0.04 LBS	
20	GUB-5456	5/8" X 4-5/8" X 6 1/2" GALV U-BOLT	2	1.42 LBS	
21	MT-651-150	PIPE, 2-3/8" OD X 150" GALV	1	36.01 LBS	
22	MT-xxxx	Ø2.375" OD PIPE	-	-	1
23	FACE PIPE	Ø2.375" OD PIPE (SEE TABLE)	2	46.02 LBS	
24	GB-0624A	3/4" X 2-1/2" GALV BOLT KIT (A325)	2	0.47 LBS	
25	GB-0520A	5/8" X 2" GALV BOLT KIT (A325)	4	0.26 LBS	
26	GB-05225	5/8" X 2-1/4" GALV BOLT KIT	8	0.28 LBS	
27	SFG2367L	SECTOR FRAME ARM LEFT WELDMENT	1	81.38 LBS	
28	SFG2367R	SECTOR FRAME ARM RIGHT WELDMENT	1	81.38 LBS	

SFG23 SERIES PIPE CHART

PART NO.	DESCRIPTION	FACE PIPE	ANTENNA PIPE
SFG23-10-x-96	SECTOR FRAME 10'-8" FACE, 96" ANTENNA PIPE	SFG23126	MT-651-96
SFG23-10-x-126	SECTOR FRAME 10'-8" FACE, 126" ANTENNA PIPE	SFG23126	MT-537
SFG23-12-x-96	SECTOR FRAME 12'-8" FACE, 96" ANTENNA PIPE	SFG23150	MT-651-96
SFG23-12-x-126	SECTOR FRAME 12'-8" FACE, 126" ANTENNA PIPE	SFG23150	MT-537
SFG23-14-x-96	SECTOR FRAME 14'-8" FACE, 96" ANTENNA PIPE	SFG23174	MT-651-96
SFG23-14-x-126	SECTOR FRAME 14'-8" FACE, 126" ANTENNA PIPE	SFG23174	MT-537

NEW ANTENNA MOUNT DETAIL

SCALE: N.T.S.

1

PROPRIETARY INFORMATION
THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-COM IS STRICTLY PROHIBITED

CLIENT:



10 PASTEUR, SUITE 100
IRVINE, CA 92618



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

BASS LAKE

3026 CRYSTAL VIEW LANE
EL DORADO HILLS, CA 95762

REV: DATE: DESCRIPTION: BY:

REV	DATE	DESCRIPTION	BY
1	11-25-20	90% CONSTRUCTION DOC'S	AMP
2	12-29-20	95% CONSTRUCTION DOC'S	AMP
3	1-21-21	100% CONSTRUCTION DOC'S	AMP
4	4-26-21	REV 100% CONSTRUCTION DOC'S	AMP

COORDINATING ENGINEER:

Peek Site-Com

12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CVL01284 ... AMP

SHEET TITLE:

STRUCTURAL DETAILS

SHEET NUMBER: REVISION:

S-1 0

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION EXHIBIT G - SITE PHOTO SIMULATIONS

Version Date: April 14, 2021

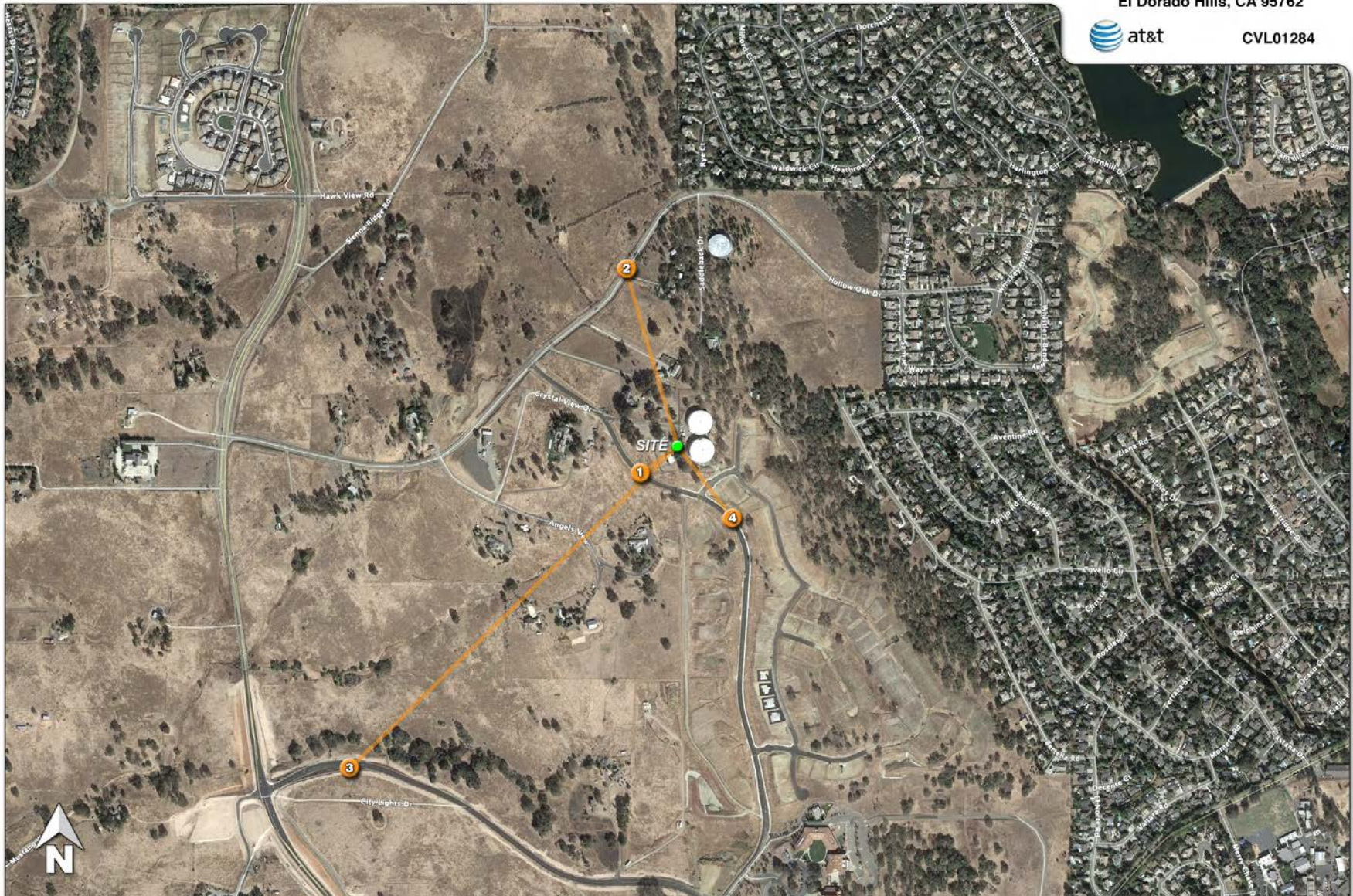
Aerial photograph showing the viewpoints for the photosimulations.

Bass Lake

3026 Crystal View Lane
El Dorado Hills, CA 95762



CVL01284



CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT G - SITE PHOTO SIMULATIONS

Version Date: April 14, 2021



Photosimulation of the view looking northeast from the nearest point along Morrison Road.

Bass Lake

3026 Crystal View Lane
El Dorado Hills, CA 95762



CVL01284



CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT G - SITE PHOTO SIMULATIONS

Version Date: April 14, 2021



Existing

Photosimulation of the view looking south from Hollow Oak Drive.

Bass Lake

3026 Crystal View Lane
El Dorado Hills, CA 95762



CVL01284



Proposed

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT G - SITE PHOTO SIMULATIONS

Version Date: April 14, 2021



Photosimulation of the view looking northeast from Country Club Drive.

Bass Lake
3026 Crystal View Lane
El Dorado Hills, CA 95762

 **at&t** CVL01284



CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT G - SITE PHOTO SIMULATIONS

Version Date: April 14, 2021



Photosimulation of the view looking northwest from Morrison Road.

Bass Lake

3026 Crystal View Lane
El Dorado Hills, CA 95762



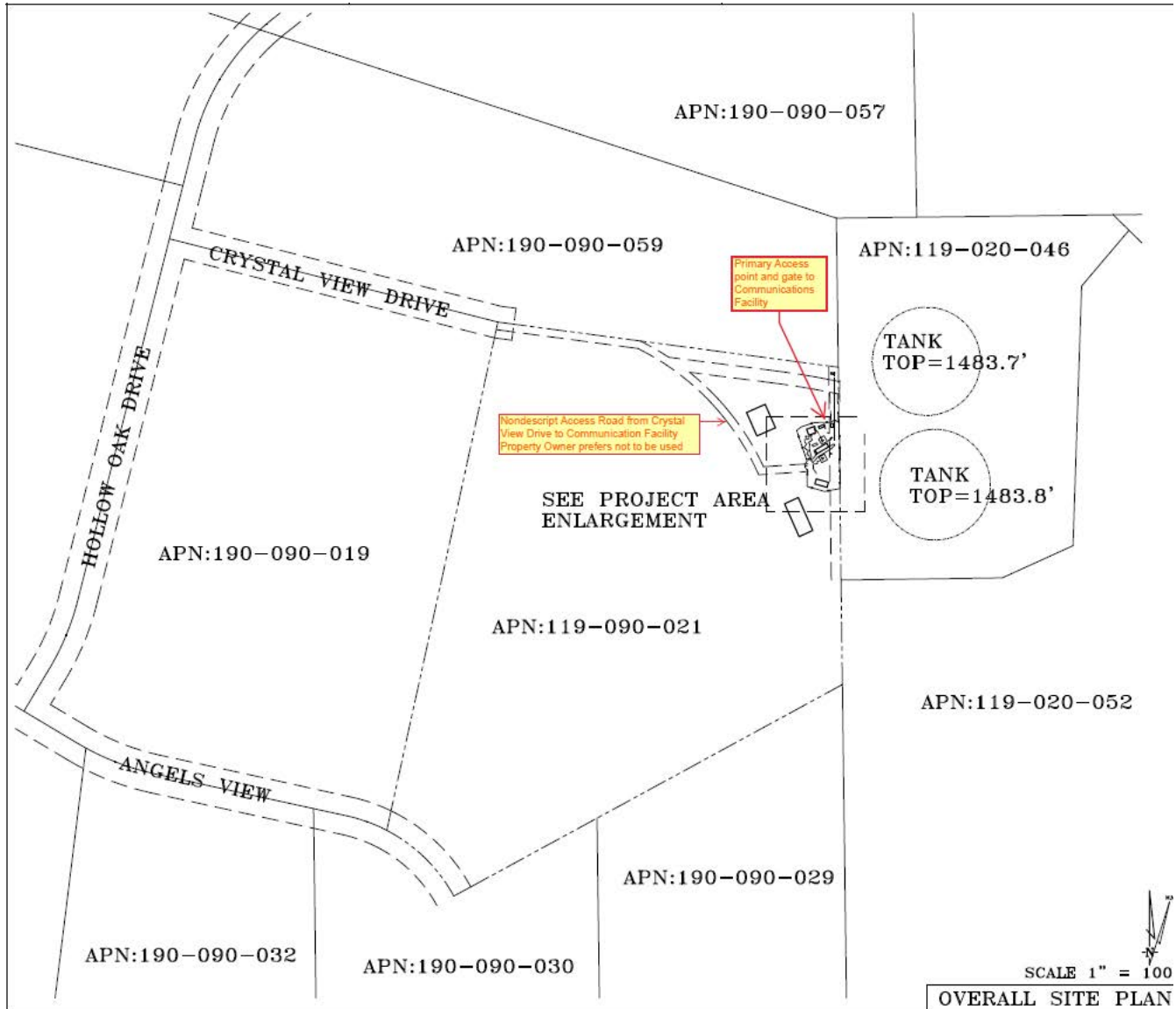
CVL01284



CUP-R21-0025 AT&T FIRSTNET CELL TOWER REVISION EXHIBIT H - SITE PLAN OF PREFERRED ACCESS ROAD AND PHOTOS OF GATE

10/14/21, 1:15 PM

image.png



CUP-R21-0025 AT&T FIRSTNET CELL TOWER REVISION EXHIBIT H - SITE PLAN OF PREFERRED ACCESS ROAD AND PHOTOS OF GATE

10/14/21, 1:11 PM

Primary Access Gate off of Crystal View Drive.JPG



**CUP-R21-0025 AT&T FIRSTNET CELL TOWER REVISION
EXHIBIT H - SITE PLAN OF PREFERRED ACCESS ROAD AND PHOTOS OF GATE**

10/14/21, 1:11 PM

View of Secondary Access Point and Gate.JPG



**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT I - ORIGINAL S90-0057**

S90-57 - 6/27/91

Findings

1. The use, as conditioned, is authorized by Section 17.14.150 of the County Code.
2. The project, as conditioned, is not considered detrimental to the public health, safety and welfare, or injurious to the neighborhood.
3. The use, as conditioned, is found to be in conformance with the El Dorado County General Plan.
4. The use, as conditioned, is found to comply with the requirements of Chapter 17.22, Special Use Permits.

Conditions

1. The three existing seventy-foot towers shall be removed no later than 120 days from the approval date of this use permit.
2. Replacement towers shall consist of two towers no greater than thirty-five feet in height.
3. Replacement towers shall be sited according to the approved site plan.
4. The applicant shall minimize or eliminate any electronic equipment interference directly attributable to the operation of the towers. If documentation is submitted to the Planning Division after said towers are replaced that significant electronic interference is occurring, the matter will be returned to the Planning Commission for further hearing and determination.
5. Building permits are required for the two replacement towers and the storage building. Plans required shall include engineering for footings of proposed towers. The applicant is subject to any and all other requirements of the Building Division.
6. The proposed towers and storage shed shall conform with any requirements of the El Dorado Hills Fire Department.
7. The use (the replacement towers), shall be started and diligently pursued within one year from the date of the approval of the special use permit or the use permit shall be declared null and void.
8. The Planning Director may approve minor modifications to the site plan. Major modifications, as determined by the Planning Director, shall be reviewed and approved by the Planning Commission.

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT I - ORIGINAL S90-0057

Page 2, S90-57
Findings/Conditions

9. If it is determined at any time in the future that this project creates a nuisance or changes the character of the neighborhood, this project shall be considered for revocation by the Planning Commission.
10. The project is subject to any and all requirements of the Department of Transportation, especially in relation to grading and drainage.
11. An 8-foot-high redwood fence shall be installed surrounding the towers and the equipment building.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT J - REVISION S90-0057R**

**EL DORADO COUNTY
PLANNING DEPARTMENT
2850 FAIRLANE COURT
PLACERVILLE, CA 95667**

S90-057R/Verizon
Conditions (15)
ZA Approved *SJ* 10-19-05

**ATTACHMENT 1
CONDITIONS OF APPROVAL**

FILE NUMBER S90-0057R

El Dorado County Planning Services

1. The project, as approved, consists of the following:

Removal of antenna and co-location of 6 cellular antennas mounted at the 32.5 foot level of a 35 foot tower and installation of a 200 square foot prefabricated equipment shelter and power generator within an existing lease area.
2. The proposed equipment shelter shall not encroach into the setback any closer than 14.9 feet and the proposed backup generator shall also not encroach into the setback any closer than 3 feet from the property line adjoining an EID water storage tank site.
3. All site improvements shall conform to the site plan(s) attached as Exhibit D.
4. All equipment shelters, cabinets or other auxiliary structures shall be painted in a matching color.
5. All improvements associated with the communication facility, including equipment shelters, towers, antenna, fencing, and landscaping shall be properly maintained at all times. Colors of the tower and other improvements shall be maintained to ensure the appearance remains consistent.
6. All obsolete or unused communication facilities shall be removed within six (6) months after the use of that facility has ceased or the facility has been abandoned. The applicant shall notify Planning Services at the time of abandonment and all disturbance related to the communication facility shall be restored to pre-project condition.

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT J - REVISION S90-0057R

S90-057R/Verizon
Conditions (15)
ZA Approved SA 10-19-05
2

7. Due to the ever-changing technology of wireless communication systems, this special use permit shall be reviewed by the Planning Commission every five years. At each five-year review, the permit holder shall provide the Planning Commission with a status report on the then current use of the subject site and related equipment. The Planning Commission shall review the status report and, based on an assessment of the information provided, current wireless communications technology, and possible local or cumulative impacts, determine whether to: (1) Modify the conditions of approval in order to reduce identified adverse impacts; and (2) Initiate proceedings to revoke the Special Use Permit, requiring the facility's removal, if it is no longer an integral part of the wireless communication system. By operation of this condition, it is the intent of the Planning Commission to reserve the right to modify existing or add new conditions, consistent with the language specified above. The failure of the Planning Commission to conduct or complete a five-year review in a timely fashion shall not invalidate this Special Use Permit. The applicant shall pay a fee as determined by the Planning Director to cover the cost of processing a five-year review.
8. The applicant shall minimize or eliminate any electronic equipment interference directly attributable to the operation of the towers. If documentation is submitted to Planning Services after said towers are replaced that significant electronic interference is occurring, the matter will be returned to the Planning Commission for further hearing and determination.
9. The proposed antennae, equipment shelter and backup generator, shall be started and diligently pursued within two years from the date of the approval of the special use permit or the use permit shall be declared null and void.
10. The Planning Director may approve minor modifications to the site plan. Major modifications, as determined by the Planning Director, shall be reviewed and approved by the Zoning Administrator.
11. If it is determined at any time in the future that this project creates a nuisance or changes the character of the neighborhood, this project shall be considered for revocation by the planning Commission.

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT J - REVISION S90-0057R

S90-057R/Verizon
Conditions (15)
ZA Approved SA 10-19-05
3

El Dorado Hills Fire protection District

12. The applicant shall be required to develop and implement a wild-land fire safety plan for this project.
13. The new equipment buildings shall be equipped with a fixed fire protection system that will suppress any fire within the enclosure.
14. The access roadway shall be designed and maintained to support the weight (50 tons) of fire apparatus.
15. The access gate shall be equipped with a knox lock the provides access for all emergency response agencies.

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT J - REVISION S90-0057R

S90-057R/Verizon
Findings
ZA Approved *SA* 10-19-05

ATTACHMENT 2
FINDINGS

FILE NUMBER S90-0057R

1. The Project has been found to be Categorically Exempt from CEQA pursuant to Section 15301 stating that *Existing facilities: ...the operation, ... maintenance, permitting, ... or minor alteration of existing public or private structures, facilities, ...involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination... The key consideration is whether the project involves negligible or no expansion of an existing use.* Based on the conclusions and conditions of approval contained in the staff report, there is no substantial evidence that the proposed project will have a significant effect on the environment.
2. The proposed use is consistent with the policies in the El Dorado County General Plan, as amended through February 4, 1999, as discussed in the General Plan section of this staff report.
3. The use is found to comply with the requirements of County Code Section 17.14.200, Wireless Communication Facilities, and the proposed use is not considered detrimental to the public health, safety, and welfare, or injurious to the neighborhood, based on the conclusions and conditions of approval contained in the staff report.

ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT



Site Name: Bass Lake
Site ID: CVL01284
USID: 9898
FA Location: 10090496

PACE #: MRSFR071929

Site Type: Tower

Location: 3026 Crystal View Lane
El Dorado Hills, CA 95762

Latitude (NAD83): 38.6667500
Longitude (NAD83): -121.0218861

Report Completed: October 20, 2021
AT&T M-RFSC Casey Chan

Prepared By:



Prepared for: AT&T Mobility
c/o Qualtek
1150 Ballena Boulevard
Suite #259
Alameda, CA 94501

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Site Compliance Conclusion

The AT&T site CVL01284 located at 3026 Crystal View Lane El Dorado Hills, CA 95762 will comply with FCC Guidelines.

Executive Summary

Occupational Safety & Compliance Engineering (OSC Engineering) has been contracted by Qualtek to conduct an RF (radio frequency) computer simulated analysis. The Federal Communications Commission (FCC) has set limits on RF energy exposed to humans on a wireless cell site. The FCC has also mandated that all RF wireless sites must be in compliance with the FCC limits and a compliance check should be performed routinely to ensure site compliance. Per AT&T Policy simulations are performed at 75% duty cycle. RoofMaster software was utilized in the creation of this report.

OSC Engineering uses the FCC OET-65 as well as AT&T Standards to make recommendations based on results and information gathered from drawings and Radio Frequency Data Sheets. Included in this analysis is an Ericsson AIR (TDD) power reduction factor (0.32) of the maximum to account for spatial distribution of served users, as recommended by AT&T, based on the United Nations International Telecommunication Union ITU-T Series K, Supplement 16 (20 May 2019).

A site-specific compliance plan is recommended for each transmitting site. This report serves as a single piece of the overall compliance plan.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Site Overview and Description

- The antennas are mounted on a tower
- The site consists of three (3) sectors with a total of seven (7) antennas
- The site is within a fenced in area, access to the site is via a gate
- The site is not co-located



**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Compliance Results of the Proposed Site (theoretical simulation)

A result over 100% does not make a site out of compliance with FCC guidelines. For results over 100% of the FCC Limit, further remediation is required to consider the site compliant per FCC Guidelines. See the report entitled RECOMMENDATIONS for compliance actions required for FCC and AT&T Compliance. Areas exceeding the FCC Limit are demarcated with barriers and appropriate signage. Areas Outside of the demarcated areas are below the FCC Limits (under 100% GP). The remediation actions bring the site into compliance. Results are given in terms of the FCC General Population. Please see the page entitled FCC MPE Limits (from OET-65) for further information. For the purpose of theoretical simulation, OSC Engineering models antennas as if they are operating at full power (100% capacity). This assumption yields more conservative (higher) results. On-site measurements may yield different results, as antennas do not always operate at full capacity.

Maximum simulated RF Exposure Level from (AT&T antennas @ ground):
1.06 % FCC General Population MPE Limit

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Antenna Inventory

All technical data and specifications shown below are collected from drawings and/or documents provided by the client, as well as from online databases and/or a visit to this facility. Unknown wireless transmitting antennas are simulated using conservative values when information is not available.

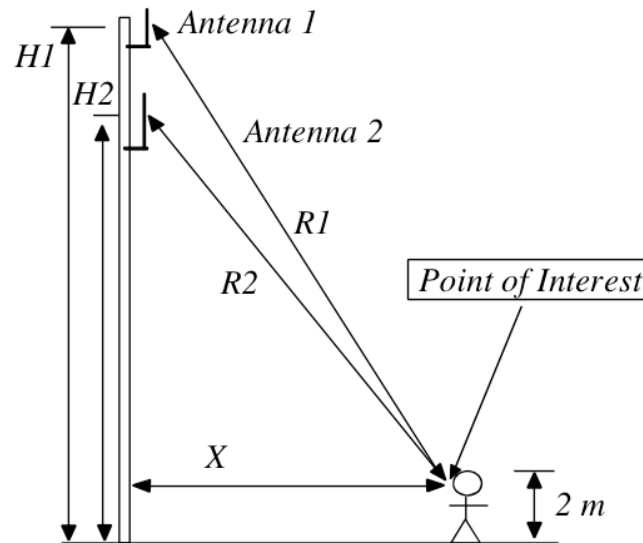
Antenna	Operator	Frequency (MHz)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (Rad) (ft)
A1	AT&T LTE B14	700	Panel	Commscope	NNHH-65B-R4	320	41
A1	AT&T LTE	2100	Panel	Commscope	NNHH-65B-R4	320	41
A2	AT&T LTE B12	700	Panel	Quintel	QD66512-3D	320	41
A2	AT&T LTE / 5G	850	Panel	Quintel	QD66512-3D	320	41
A3	AT&T UMTS	850	Panel	CCI	HBSA-33R-KU6AA-K	320	41
A3	AT&T LTE	1900	Panel	CCI	HBSA-33R-KU6AA-K	293	41
A3	AT&T LTE	1900	Panel	CCI	HBSA-33R-KU6AA-K	347	41
B1	AT&T LTE B14	700	Panel	Commscope	NNH4-65B-R6H4	125	41
B1	AT&T LTE	1900	Panel	Commscope	NNH4-65B-R6H4	125	41
B1	AT&T LTE	2100	Panel	Commscope	NNH4-65B-R6H4	125	41
B3	AT&T LTE B12	700	Panel	Quintel	QD66512-3D	125	41
B3	AT&T LTE / 5G	850	Panel	Quintel	QD66512-3D	125	41
B3	AT&T LTE	1900	Panel	Quintel	QD66512-3D	125	41
C1	AT&T LTE B14	700	Panel	Commscope	NNH4-65B-R6H4	45	41
C1	AT&T LTE	1900	Panel	Commscope	NNH4-65B-R6H4	45	41
C1	AT&T LTE	2100	Panel	Commscope	NNH4-65B-R6H4	45	41
C3	AT&T LTE B12	700	Panel	Quintel	QD66512-3D	45	41
C3	AT&T LTE / 5G	850	Panel	Quintel	QD66512-3D	45	41
C3	AT&T LTE	1900	Panel	Quintel	QD66512-3D	45	41

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

FCC Regulations and Guidelines from OET 65

When considering the contributions to field strength or power density from other RF sources, care should be taken to ensure that such variables as reflection and re-radiation are considered. In cases involving very complex sites predictions of RF fields may not be possible, and a measurement survey may be necessary. The process for determining compliance for other situations can be similarly accomplished using the techniques described in this section and in Supplement A to this bulletin that deals with radio and television broadcast operations. However, as mentioned above, at very complex sites measurements may be necessary.

In the simple example shown in the below diagram, it is desired to determine the power density at a given location X meters from the base of a tower on which are mounted two antennas. One antenna is a CMRS antenna with several channels, and the other is an FM broadcast antenna. The system parameters that must be known are the total ERP for each antenna and the operating frequencies (to determine which MPE limits apply). The heights above ground level for each antenna, H1 and H2, must be known in order to calculate the distances, R1 and R2, from the antennas to the point of interest.

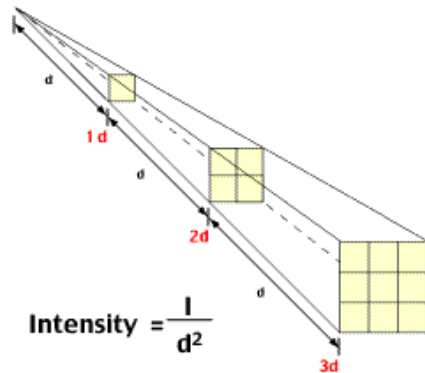
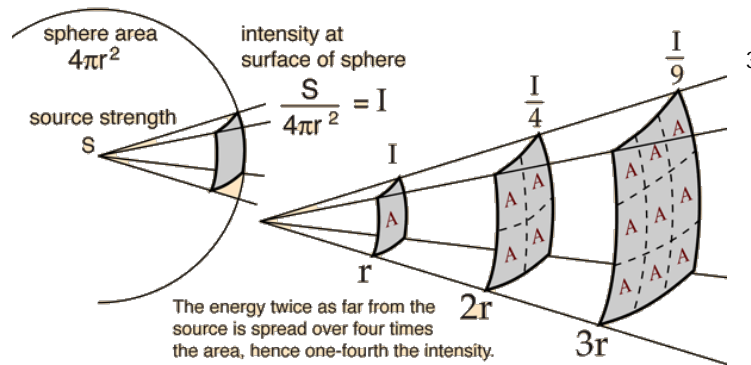


¹ OET Bulletin 65, Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, Page 37- 38

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Inverse Square Law

The inverse-square law, in physics, is any physical law stating that a specified physical quantity or intensity is inversely proportional to the square of the distance from the source of that physical quantity. The fundamental cause for this can be understood as geometric dilution corresponding to point-source radiation into three-dimensional space. The inverse-square law generally applies when some force, energy, or other conserved quantity is evenly radiated outward from a point source in three-dimensional space. Since the surface area of a sphere (which is $4\pi r^2$) is proportional to the square of the radius, as the emitted radiation gets farther from the source, it is spread out over an area that is increasing in proportion to the square of the distance from the source.²



$$\frac{I_1}{I_2} = \frac{D_2^2}{D_1^2}$$

Where:
 I_1 = Intensity 1 at D_1
 I_2 = Intensity 2 at D_2
 D_1 = Distance 1 from source
 D_2 = Distance 2 from source

² https://en.wikipedia.org/wiki/Inverse-square_law

³ <http://hyperphysics.phy-astr.gsu.edu/hbase/Forces/isq.html>

⁴ <https://www.nde-ed.org/GeneralResources/Formula/RTFormula/InverseSquare/InverseSquareLaw.htm>

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Result: Surrounding Building(s)

The surrounding buildings labeled 1, 2, 3 and 4 will be below FCC MPE Limits for the General Population



**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Certification

The undersigned is a Professional Engineer, holding a California Registration No. E22553

Reviewed and approved by:



Takeshi Tsuji, PE

Date: August 20, 2021

The engineering and design of all related structures as well as the impact of the antennas on the structural integrity of the design are specifically excluded from this report's scope of work. This report's scope of work is limited to an evaluation of the Electromagnetic Energy (EME) RF emissions field generated by the antennas listed in this report. When client and others have supplied data, it is assumed to be correct.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

FCC MPE Limits (from OET-65)

Occupational/controlled⁵ exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. As discussed later, the occupational/controlled exposure limits also apply to amateur radio operators and members of their immediate household.

General population/uncontrolled⁶ exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

⁵ OET-65 "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields pg. 9.

⁶ OET-65 "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields pg. 9.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Limits for Maximum Permissible Exposure (MPE)⁷

“The FCC Exposure limits are based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies whole-body absorption is less efficient, and, consequently, the MPE limits are less restrictive.”⁸

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
32-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population /Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f= Frequency in MHz

*Plane-wave equivalent power density

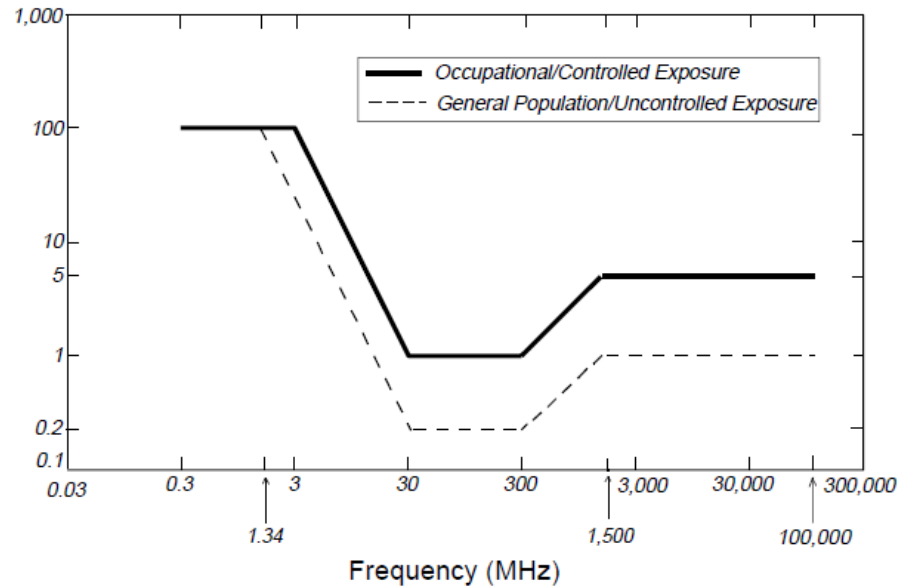
⁷ OET-65 “FCC Guidelines Table 1 pg. 72.

⁸ OET-65 “FCC Guidelines for Evaluating Exposure to RF Emissions”, pg. 8

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT**

Limits for Maximum Permissible Exposure (MPE) continued⁹

*Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density*



“MPE Limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm²), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). In the far-field of a transmitting antenna, where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal (“[plane-wave” conditions], these quantities are related by the following equation:

$$S = \frac{E^2}{3770} = 37.7H^2$$

where: S = power density (mW/cm²)
 E = electric field strength (V/m)
 H = magnetic field strength (A/m)

⁹ OET-65 “FCC Guidelines Table 1 pg. 72.

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Limitations

OSC Engineering completed this report based on information and data provided by the client and on-site data collection. The data provided by the client is assumed to be accurate. This report is completed by OSC Engineering to determine whether the wireless communications facility complies with the Federal Communications Commission (FCC) Radio Frequency (RF) Safety Guidelines. The Office of Engineering and Technology (OET-65) *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Radiation* has been prepared to provide assistance in determining whether proposed or existing transmitting facilities, operations or devices comply with limits for human exposure to radiofrequency (RF) fields adopted by the Federal Communications Commission (FCC)¹⁰. As the site is being upgraded and changed this report will become obsolete. Use of this document will not hold OSC Engineering Inc. nor it's employees liable legally or otherwise. This report shall not be used as a determination as to what is safe or unsafe on a given site. All workers or other people accessing any transmitting site should have proper EME awareness training. This includes, but is not limited to, obeying posted signage, keeping a minimum distance from antennas, watching EME awareness videos and formal classroom training.

¹⁰ OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 1

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
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AT&T Antenna Shut-Down Protocol

AT&T provides Lockout/Tagout (LOTO) procedures in Section 9.4¹¹ (9.4.1- 9.4.9) in the ND-00059. These procedures are to be followed in the event of anyone who needs access at or in the vicinity of transmitting AT&T antennas. Contact AT&T when accessing the rooftop near the transmitting antennas. Below is information regarding when to contact an AT&T representative.

9.4.7 Maintenance work being performed near transmitting antennas

Whenever anyone is working within close proximity to the transmitting antenna(s), the antenna sector, multiple sectors, or entire cell site may need to be shut down to ensure compliance with the applicable FCC MPE limit. This work may include but is not limited to structural repairs, painting or non-RF equipment services by AT&T personnel/contractors or the owner of a tower, water tank, rooftop, or other low-centerline sites. The particular method of energy control will depend on the scope of work (e.g., duration, impact to the antenna or transmission cabling, etc.) and potential for RF levels to exceed the FCC MPE limits for General Population/Uncontrolled environments

9.4.8 AT&T Employees and Contractors

AT&T employees and contractors performing work on AT&T cell sites must be trained in RF awareness and must exercise control over their exposure to ensure compliance with the FCC MPE limit for Occupational/Controlled Environments (“Occupational MPE Limit”).

The rule of staying at least 3 feet from antennas is no longer always adequate to prevent exposure above the Occupational MPE Limit. That general rule was applied early in the development of cellular when omni-directional antennas were primarily used and later when wide-beamwidth antennas were used. That application was then appropriate for the Occupational exposure category. However, the current prevalence of antennas with 60- and 70- degree horizontal half-power beamwidths at urban and suburban GSM and UMTS/HSDPA sites raises some question about the continued reliability of the 3-foot rule. Antennas with low bottom-tip heights and total input powers around 70-80 W can produce exposure levels exceeding the Occupational MPE Limits at 4 feet, and these levels can be augmented by emissions of co-located operators. Therefore, AT&T employees and contractors should apply the above general work procedures and use an RF personal monitor to assess exposure levels within the work vicinity.

9.4.9 Other Incidental Workers

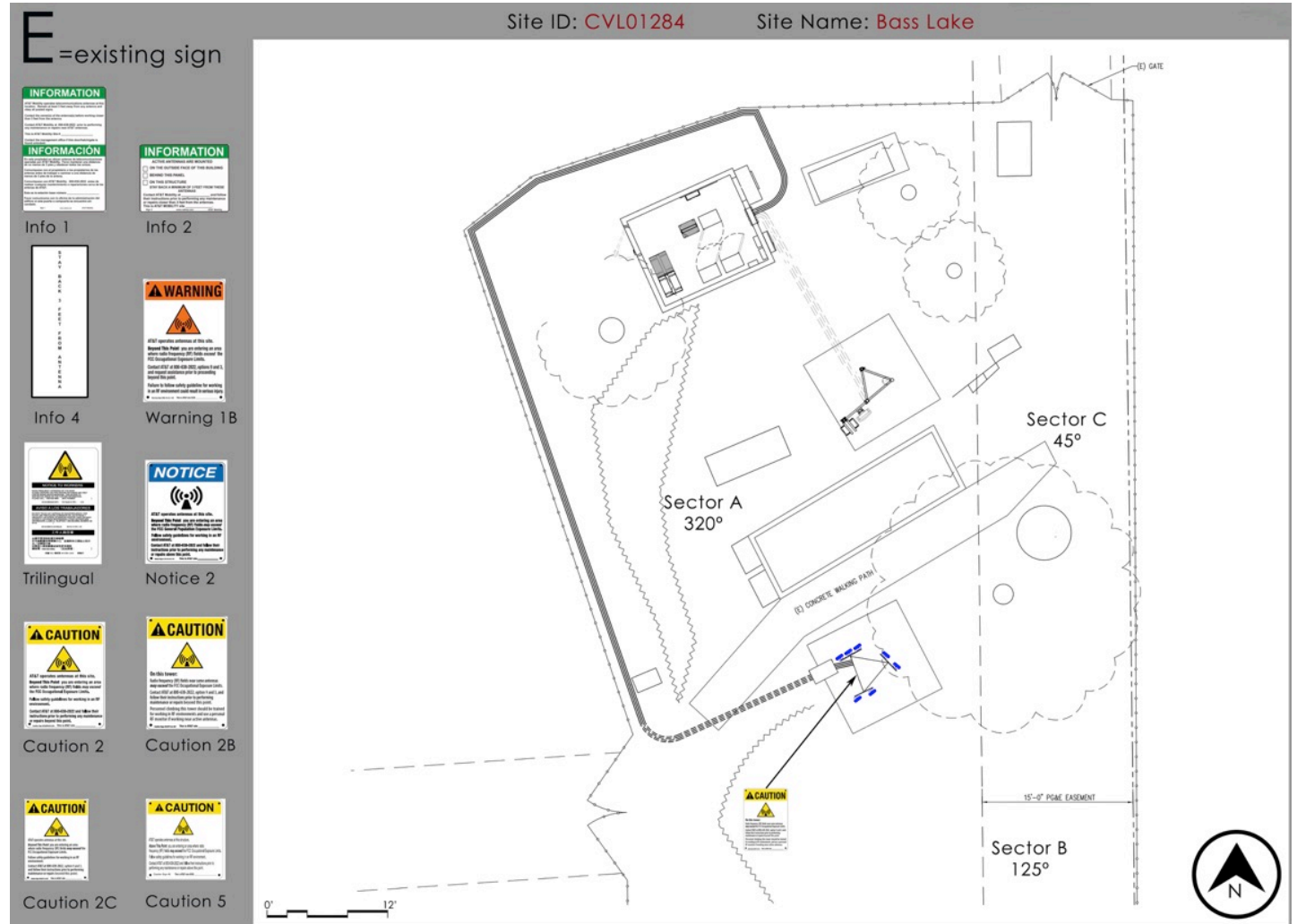
All other incidental workers who are not trained in RF safety are considered general public and subject to the FCC MPE limits for General Population/Uncontrolled Environments. In such instance, the M-RFSC (primary contact) or R-RFSC (secondary contact) must refer to the Mobility RF site survey plan to assess the potential RF exposure levels associated with the antenna system. If capable of exceeding the FCC General Population/Uncontrolled MPE limit, then local sector/site shutdown is necessary. The FE/FT must also follow the local shutdown procedure and use their RF personal monitor as a screening tool for verification, as necessary.

¹¹ ND-00059_Rev_5.1 “Lockout/Tagout (LOTO) Procedures” Page 45.

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION EXHIBIT K - ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT

RECOMMENDATIONS

- AT&T Access Point(s):
Caution Sign 2B
(Tower) @ base of
monopole (to be
posted)
- AT&T Sector A
No signage or barrier
action required
- AT&T Sector B
No signage or barrier
action required
- AT&T Sector C
No signage or barrier
action required



If work is being performed in the vicinity of the transmitting antennas, site shut-down procedures must be followed. See page entitled [AT&T Antenna Shut-down protocol](#) for further information.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT L - PG&E COMMENTS**



Plan Review Team
Land Management

PGEPlanReview@pge.com

6111 Bollinger Canyon Road 3370A
San Ramon, CA 94583

June 4, 2021

Bianca Dinkler
County of El Dorado
2850 Fairlane Ct
Placerville, CA 95667

Ref: Gas and Electric Transmission and Distribution

Dear Bianca Dinkler,

Thank you for submitting the Firstnet Revision plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: https://www.pge.com/en_US/business/services/building-and-renovation/overview/overview.page.
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team
Land Management



Attachment 1 – Gas Facilities

There could be gas transmission pipelines in this area which would be considered critical facilities for PG&E and a high priority subsurface installation under California law. Care must be taken to ensure safety and accessibility. So, please ensure that if PG&E approves work near gas transmission pipelines it is done in adherence with the below stipulations. Additionally, the following link provides additional information regarding legal requirements under California excavation laws: <https://www.usanorth811.org/images/pdfs/CA-LAW-2018.pdf>

1. Standby Inspection: A PG&E Gas Transmission Standby Inspector must be present during any demolition or construction activity that comes within 10 feet of the gas pipeline. This includes all grading, trenching, substructure depth verifications (potholes), asphalt or concrete demolition/removal, removal of trees, signs, light poles, etc. This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48 hours is required. Ensure the USA markings and notifications are maintained throughout the duration of your work.

2. Access: At any time, PG&E may need to access, excavate, and perform work on the gas pipeline. Any construction equipment, materials, or spoils may need to be removed upon notice. Any temporary construction fencing installed within PG&E's easement would also need to be capable of being removed at any time upon notice. Any plans to cut temporary slopes exceeding a 1:4 grade within 10 feet of a gas transmission pipeline need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

3. Wheel Loads: To prevent damage to the buried gas pipeline, there are weight limits that must be enforced whenever any equipment gets within 10 feet of traversing the pipe.

Ensure a list of the axle weights of all equipment being used is available for PG&E's Standby Inspector. To confirm the depth of cover, the pipeline may need to be potholed by hand in a few areas.

Due to the complex variability of tracked equipment, vibratory compaction equipment, and cranes, PG&E must evaluate those items on a case-by-case basis prior to use over the gas pipeline (provide a list of any proposed equipment of this type noting model numbers and specific attachments).

No equipment may be set up over the gas pipeline while operating. Ensure crane outriggers are at least 10 feet from the centerline of the gas pipeline. Transport trucks must not be parked over the gas pipeline while being loaded or unloaded.

4. Grading: PG&E requires a minimum of 36 inches of cover over gas pipelines (or existing grade if less) and a maximum of 7 feet of cover at all locations. The graded surface cannot exceed a cross slope of 1:4.

5. Excavating: Any digging within 2 feet of a gas pipeline must be dug by hand. Note that while the minimum clearance is only 12 inches, any excavation work within 24 inches of the edge of a pipeline must be done with hand tools. So to avoid having to dig a trench entirely with hand tools, the edge of the trench must be over 24 inches away. (Doing the math for a 24 inch

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT L - PG&E COMMENTS**



*Pacific Gas and
Electric Company*

wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [$24/2 + 24 + 36/2 = 54$] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 12 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible ($90^\circ \pm 15^\circ$). All utility lines crossing the gas pipeline must have a minimum of 12 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
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11. Cathodic Protection: PG&E pipelines are protected from corrosion with an “Impressed Current” cathodic protection system. Any proposed facilities, such as metal conduit, pipes, service lines, ground rods, anodes, wires, etc. that might affect the pipeline cathodic protection system must be reviewed and approved by PG&E Corrosion Engineering.

12. Pipeline Marker Signs: PG&E needs to maintain pipeline marker signs for gas transmission pipelines in order to ensure public awareness of the presence of the pipelines. With prior written approval from PG&E Pipeline Services, an existing PG&E pipeline marker sign that is in direct conflict with proposed developments may be temporarily relocated to accommodate construction work. The pipeline marker must be moved back once construction is complete.

13. PG&E is also the provider of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E’s facilities must be reviewed and approved by PG&E to ensure that no impact occurs which may endanger the safe operation of its facilities.



Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. Buildings and Other Structures: No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as **"RESTRICTED USE AREA – NO BUILDING."**
2. Grading: Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. Fences: Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. Landscaping: Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), trees and shrubs are limited to those varieties that do not exceed 15 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. Reservoirs, Sumps, Drainage Basins, and Ponds: Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. Automobile Parking: Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. Storage of Flammable, Explosive or Corrosive Materials: There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT L - PG&E COMMENTS**



8. Streets and Roads: Access to facilities must be maintained at all times. Street lights may be allowed in the fee strip(s) and/or easement(s) but in all cases must be reviewed by PG&E for proper clearance. Roads and utilities should cross the transmission easement as nearly at right angles as possible. Road intersections will not be allowed within the transmission easement.

9. Pipelines: Pipelines may be allowed provided crossings are held to a minimum and to be as nearly perpendicular as possible. Pipelines within 25 feet of PG&E structures require review by PG&E. Sprinklers systems may be allowed; subject to review. Leach fields and septic tanks are not allowed. Construction plans must be submitted to PG&E for review and approval prior to the commencement of any construction.

10. Signs: Signs are not allowed except in rare cases subject to individual review by PG&E.

11. Recreation Areas: Playgrounds, parks, tennis courts, basketball courts, barbecue and light trucks (pickups, vans, etc.) may be allowed; subject to review of plans. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications.

12. Construction Activity: Since construction activity will take place near PG&E's overhead electric lines, please be advised it is the contractor's responsibility to be aware of, and observe the minimum clearances for both workers and equipment operating near high voltage electric lines set out in the High-Voltage Electrical Safety Orders of the California Division of Industrial Safety (<https://www.dir.ca.gov/Title8/sb5g2.html>), as well as any other safety regulations. Contractors shall comply with California Public Utilities Commission General Order 95 (http://www.cpuc.ca.gov/gos/GO95/go_95_startup_page.html) and all other safety rules. No construction may occur within 25 feet of PG&E's towers. All excavation activities may only commence after 811 protocols has been followed.

Contractor shall ensure the protection of PG&E's towers and poles from vehicular damage by (installing protective barriers) Plans for protection barriers must be approved by PG&E prior to construction.

13. PG&E is also the owner of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E's facilities must be reviewed and approved by PG&E to ensure that no impact occurs that may endanger the safe and reliable operation of its facilities.

CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION EXHIBIT M - EDC EMERGENCY SERVICES AUTHORITY COMMENTS

6/3/2021

Edcgov.us Mail - Fwd: Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)



Bianca Dinkler <bianca.dinkler@edcgov.us>

Fwd: Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)

1 message

Planning Department <planning@edcgov.us>
To: Bianca Dinkler <bianca.dinkler@edcgov.us>

Thu, Jun 3, 2021 at 1:35 PM

Please see response below.

----- Forwarded message -----

From: **Brian Veerkamp** <bveerkamp@edcjpa.org>

Date: Thu, Jun 3, 2021 at 1:35 PM

Subject: RE: Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)

To: Planning Department <planning@edcgov.us>

Cc: Cristy Jorgensen <cjorgensen@edcjpa.org>

Bianca,

Thank you for the opportunity to comment on this project. The Emergency Services Authority welcomes the changes/upgrades that this project proposes. Our response vehicles and destination facilities rely greatly on communications connectivity. The better the connectivity, the better the facilitation of critical patient data, the better the patient outcome!

Brian Veerkamp

Director, El Dorado County Emergency Services Authority

From: patricia.soto@edcgov.us <patricia.soto@edcgov.us> **On Behalf Of** Planning Department

Sent: Thursday, June 3, 2021 1:20 PM

To: Brian Veerkamp <bveerkamp@edcjpa.org>

Subject: Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)

Good Afternoon,

Please find attached CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057) initial consultation for review and comment.

County Planner: Bianca Dinkler

EMAIL: bianca.dinkler@edcgov.us

Phone Number: 530-621-5875

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT M - EDC EMERGENCY SERVICES AUTHORITY COMMENTS**

6/3/2021

Edcgov.us Mail - Fwd: Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)

Thank You,

Patricia Soto

Sr. Office Assistant

County of El Dorado

Planning and Building Department

[2850 Fairlane Court](#)

[Placerville, CA 95667](#)

(530) 621-5706

Patricia.Soto@edcgov.us

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EL DORADO HILLS FIRE DEPARTMENT

“Serving the Communities of El Dorado Hills, Rescue and Latrobe”

June 5, 2021

Bianca Dinkler, Associate Planner
County of El Dorado Planning and Building Department
2850 Fairlane Court, Bldg. C
Placerville, CA 95667

PROJECT: **CUP-R21-0025 – AT&T FIRSTNET REVISION (S90-0057) (Frank Schabarum/Wally Cheplick/Peek Site-Com)– EDHFD Review and Comment Letter**

Dear Ms. Dinkler:

The El Dorado Hills Fire Department (EDHFD) has reviewed the above referenced project. Our review of the project is intended to ensure this agency can provide fire and emergency medical services that are consistent with the El Dorado County General Plan, State Fire Safe Regulations, as adopted by El Dorado County, and the California Fire Code as amended locally. The project narrative describes the Raley’s Canopy project as follows:

CUP-R21-0025 – AT&T FIRSTNET REVISION (S90-0057) (Frank Schabarum/Wally Cheplick/Peek Site-Com): A request for a Conditional Use Permit-Revision to an existing wireless communication facility with two lattice towers of 35-ft height each. The revision would modify the North Tower to remove the existing AT&T antenna mounts, three (3) antennas, and associated equipment; and modify the South Tower by increasing the height from 35-ft to 45-ft and installing the three (3) antennas from the North Tower plus four (4) new antennas, for a total of seven (7) antennas and associated equipment located at the 41-ft centerline. (Original S90-0057). The property, identified by Assessor’s Parcel Number 119-090-021, consists of 10 acres, and is located on the east side of Morrison Road, approximately 0.2 mile east of the intersection with Hollow Oak Drive, in the El Dorado Hills area.

Table 1 describes our review of the project in conformance with these standards.

Table 1: El Dorado County General Plan Policies Related to Fire Protection

Policy	Topic	Standard	Does the Project Comply		Comments
			Yes	No	
5.1.2.2	Fire District Response	Rural Center or Region – 15 to 45 Minutes.	X		1
5.7.2.1	Fire Protection	Sufficient emergency water supply, storage and conveyance facilities for	X		2, 3

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT N - EL DORADO HILLS FIRE DEPARTMENT COMMENTS**

		fire protection. Adequate access is provided.			
6.2.1	Defensible Space	Tentative maps shall be conditioned to attain and maintain defensible space.	X		4
6.2.2	Limits to Development	Development in areas of high and very high fire hazard areas shall have a WUI Plan.	X		5
6.2.3	Adequate Fire Protection	Development shall meet uniform fire protection standards.	X		6
6.2.4	Area Wide Fire Management	Reduce fire hazards through cooperative fuel management activities.	X		7

1. **Structural Fire Protection and Suppression Services:** Consistent with California Code of Regulations Title 14 § 1266.01, structural fire protection and suppression services will be available for this project by the El Dorado Hills Fire Department (EDHFD). The project is located within the service boundaries of EDHFD. The nearest staffed fire station to the project location is EDHFD Station No. 86 located at 3670 Bass Lake Road. The average response time to the project site from this fire station is approximately 6 minutes or less to 80% of the population in the area.
2. **Emergency Water Supply:** The project area is currently provided with an adequate means of emergency water supply, storage or conveyance facilities. Prior to new buildings or structures being placed on the project site the applicant will need to demonstrate that they can meet the required emergency water supply provisions found in California Code of Regulations (CCR) Title 14 § 4290 and the California Fire Code, along with local ordinances and standards of the EDHFD.
3. **Roads and Driveways:** Roads and driveways, whether public or private, serving the project shall comply with California Code of Regulations (CCR) Title 14 § 4290 and the California Fire Code. The project roads shall provide for safe access for emergency fire equipment and civilian evacuation concurrently and must provide unobstructed traffic circulation during a wildfire emergency.
4. **Defensible Space:** The project is located within a CAL FIRE designated *Moderate* Fire Hazard Severity Zone. All structures shall provide 100-feet of defensible space in accordance with California Public Resource Code Section 4291 and El Dorado County Code Chapter 8.09.
5. **Limits to Development:** The project is not currently identified in an area of high or very-high wildland fire hazard or in an area identified as a wildland-urban interface (WUI) community within the vicinity of federal land that are a high risk of a wildfire.
6. **New Buildings and Structures:** New buildings and structures placed on a parcel shall comply with all applicable fire safety regulations found in California Code of Regulations Titles 14, 19, 24 and EDHFD ordinances and regulations.
7. **Area Wide Fire Management:** The project is not currently identified in an area of high or very-high wildland fire hazard. No fuel breaks are currently identified in the project area.

We recommend that Comment Nos. 1, 2, 3, 4 and 6 be placed as conditions of approval for the project.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT N - EL DORADO HILLS FIRE DEPARTMENT COMMENTS**

EDHFD reserves the right to update the following comments to comply with all current Codes, Standards, Local Ordinances, and Laws in respect to the official documented time of project application and/or building application to the County. Any omissions and/or errors in respect to this letter, as it relates to the aforementioned codes, regulations and plans, shall not be valid, and does not constitute a waiver to the responsible party of the project from complying as required with all Codes, Standards, Local Ordinances, and Laws.

Please do not hesitate to contact either Fire Prevention Specialist Casey Ransdell or myself at (916) 933-6623 with any questions pertaining to this review letter.

Sincerely,

/Ronald A. Phillips/

Ronald A. Phillips
Project Management Specialist

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT O - MEDICAL HEALTH OPERATIONAL AREA COORDINATOR COMMENTS**

6/7/2021

Edcgov.us Mail - Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)



Bianca Dinkler <bianca.dinkler@edcgov.us>

Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)

Planning Department <planning@edcgov.us>
To: Bianca Dinkler <bianca.dinkler@edcgov.us>

Mon, Jun 7, 2021 at 8:54 AM

FYI

----- Forwarded message -----

From: **Michelle Patterson** <michelle.patterson@edcgov.us>
Date: Mon, Jun 7, 2021 at 8:08 AM
Subject: Re: Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)
To: Planning Department <planning@edcgov.us>

Hello,
I have reviewed and do not have any concerns.

Thank you,
Michelle

**Michelle Patterson, MPH, Manager/EMS Agency Administrator
Medical Health Operational Area Coordinator (MHOAC)
Emergency Medical Services and Emergency Preparedness & Response
El Dorado County**

(530) 621-6505 office
(530) 919-4996 cell
(530) 377-3256 **MEDICAL HEALTH OPERATIONAL AREA COORDINATOR 24/7 LINE**
michelle.patterson@edcgov.us

[Quoted text hidden]

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT P - DEPARTMENT OF TRANSPORTATION COMMENTS**

7/6/2021

Edcgov.us Mail - Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)



Bianca Dinkler <bianca.dinkler@edcgov.us>

Project for Review & Comment - CUP-R21-0025 - AT&T FIRSTNET REVISION (S90-0057)

Dave Spiegelberg <dave.spiegelberg@edcgov.us>
To: Bianca Dinkler <bianca.dinkler@edcgov.us>

Tue, Jul 6, 2021 at 11:47 AM

Bianca -

DOT takes no exceptions to this CUP Revision and offers no further comments or conditions.

Dave W. Spiegelberg, P.E.
Senior Civil Engineer

County of El Dorado
Community Development
Department of Transportation, Development Section
[2850 Fairlane Court](#)
[Placerville, CA 95667](#)
530-621-6077 / 530-957-3521 (cell) / 530-295-2655 (fax)
dave.spiegelberg@edcgov.us

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 **Initial Consultation Letter_CUP-R21-0025.pdf**
219K

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT Q - AIR QUALITY MANAGEMENT DISTRICT COMMENTS**



**County of El Dorado
Air Quality Management District**

330 Fair Lane, Placerville Ca 95667
Tel. 530.621.7501 Email: AQMD@edcgov.us
www.edcgov.us/airqualitymanagement

Dave Johnston
Air Pollution Control Officer

July 6, 2021

Bianca Dinkler, County Planner
El Dorado County Planning Services
2850 Fairlane Court
Placerville, CA 95667

RE: CUP-R21-0025 – AT&T FIRSTNET REVISION (S90-0057) (Frank Schabarum/Wally Cheplick/Peek Site-Com) APN 119-090-021 – AQMD Comments

Dear Ms. Dinkler:

The El Dorado County Air Quality Management District (AQMD) has reviewed the proposed Conditional Use Permit application to allow modification to the subject existing wireless communication facility, and has the following comments.

The following standard conditions may apply to the proposed project:

1. Fugitive Dust: The project construction will involve grading and excavation operations which will result in a temporary negative impact on air quality with regard to the release of particulate matter (PM10) in the form of dust. The project shall adhere to the regulations and mitigation measures for fugitive dust emissions during the construction process. In addition, a Fugitive Dust Mitigation Plan (FDP) Application with appropriate fees shall be submitted to and approved by the AQMD prior to start of project construction if a Grading Permit is required from the Building Department. Dust control measures shall comply with the requirements of AQMD Rule 223, Fugitive Dust – General Requirements and Rule 223.1 – Construction, Bulk Material Handling, Blasting, Other Earthmoving Activities and Trackout Prevention.
2. Paving: The project construction may involve road development and shall adhere to AQMD Rule 224, Cutback and Emulsified Asphalt Paving Materials.
3. Painting/Coating: The project construction may involve the application of architectural coatings which shall adhere to AQMD Rule 215, Architectural Coatings.
4. Open Burning: Burning of wastes that result from "Land Development Clearing" must be permitted through the AQMD. Only dry vegetation originating from the property may be disposed of using an open outdoor fire and burning shall adhere to AQMD Rule 300, Open Burning.

**CUP-R21-0025 AT&T FIRSTNET WIRELESS CELL TOWER REVISION
EXHIBIT Q - AIR QUALITY MANAGEMENT DISTRICT COMMENTS**

Bianca Dinkler, County Planning Services
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5. Construction Emissions: During construction, all self-propelled diesel-fueled engines greater than 25 horsepower shall be in compliance with the California Air Resources Board (CARB) Regulation for In-Use Off-Road Diesel Fueled Fleets (§ 2449 et al, title 13, article 4.8, chapter 9, California Code of Regulations (CCR)). The full text of the regulation can be found at ARB's website here: <https://ww2.arb.ca.gov/our-work/topics/construction-earthmoving-equipment> Questions on applicability should be directed to CARB at 1.866.634.3735. CARB is responsible for enforcement of this regulation.
6. New Point or Stationary Source: Prior to construction/installation of any new point/stationary source emissions units (e.g., emergency standby engine greater than 50 HP, etc.), Authority to Construct applications shall be submitted to the AQMD. Submittal of applications shall include facility diagram(s), equipment specifications and emissions estimates, and shall adhere to AQMD Rules 501, General Permit Requirements and 523, New Source Review.
7. Portable Equipment: All portable combustion engine equipment with a rating of 50 horsepower or greater shall be registered with the California Air Resources Board (CARB). A copy of the current portable equipment registration shall be with said equipment. The applicant shall provide a complete list of heavy-duty diesel-fueled equipment to be used on this project, which includes the make, model, year of equipment, daily hours of operations of each piece of equipment.

AQMD Rules and Regulations are available at the following internet address:
<https://ww2.arb.ca.gov/current-air-district-rules>.

AQMD thanks you for the opportunity to comment on this proposed project. If you have any questions regarding this letter, please contact our office at 530.621.7501.

Respectfully,



Lisa Petersen
Air Quality Engineer
Air Quality Management District