



at&t

SITE NUMBER: CVL03180

SITE NAME: PLEASANT VALLEY

4559 STRAUSS DRIVE
PLACERVILLE, CA 95667
JURISDICTION: ELDORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

Issued For:
PLEASANT VALLEY
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667

PREPARED FOR
 at&t
2600 Camino Ramon, 4W850 N
San Ramon, California 94583



AT&T SITE NO: CVL03180
PROJECT NO: 13787610
DRAWN BY: CES
CHECKED BY: CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE

Licenser:

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

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

800-227-2600
Call 2 Full Working Days In Advance

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV
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NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

- BRING POWER / TELCO / FIBER TO SITE LOCATION
- GRAVEL ROAD IMPROVEMENT FROM ROW
- 40'X45' FENCED LEASE AREA
- INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
- ADD (1) NEW GPS UNITS
- ADD 160'-0" MONOPINE
- ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
- ADD (21) RRU'S
- ADD (4) SURGE SUPPRESSORS
- ADD (2) FUTURE 4' MICROWAVE DISHES
- ADD 6'-0" HIGH CHAIN LINK FENCE W/ VYNAL SLATS
- ADD 35KW LP PROPANE GENERATOR
- ADD 500 GAL LP PROPANE STORAGE TANK

PROPERTY INFORMATION:
SITE NAME: PLEASANT VALLEY
SITE NUMBER: CVL03180

PROPERTY OWNER:
VINCENT & JO ANNE GLOWCZWSKIE
4559 STRAUSS DRIVE
PLEASANT VALLEY, CA 95667

SEARCH RING: PLEASANT VALLEY
FA# 13787610
SITE ADDRESS: 4559 STRAUSS DRIVE
PLACERVILLE, CA 95667

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

A.P.N. NUMBER: 078-180-38-100

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESEDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: ELDORADO COUNTY

LATITUDE: N 38° 41' 02.92"

LONGITUDE: W 120° 39' 43.12"

GROUND ELEVATION: ±2497.0 FT. AMSL

APPLICANT / LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 945834

RF ENGINEER:
AT&T CONTACT: MUHAMMAD AHMED
EMAIL: MA912P@ATT.COM

PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1446

SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 755-1326

CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANAS
EMAIL: PETE.MANAS@EPICWIRELESS.NET
PH: (530) 383-5957

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 933-2763

ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGHORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR.:
VINULUMS CM
CONTACT: KEN ABEL
EMAIL: KABEL@VINULUMS.COM
PH: (916) 844-4602

SHEET INDEX	REV
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C-1	SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY
C-2	SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY
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C-2.2	GRADING PLAN & DETAILS
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A-1.1	SITE PLAN - EXTERIOR EQUIPMENT SHELTER
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A-4.2	PROPOSED MONOPINE WEST - EAST ELEVATION

CODE COMPLIANCE

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

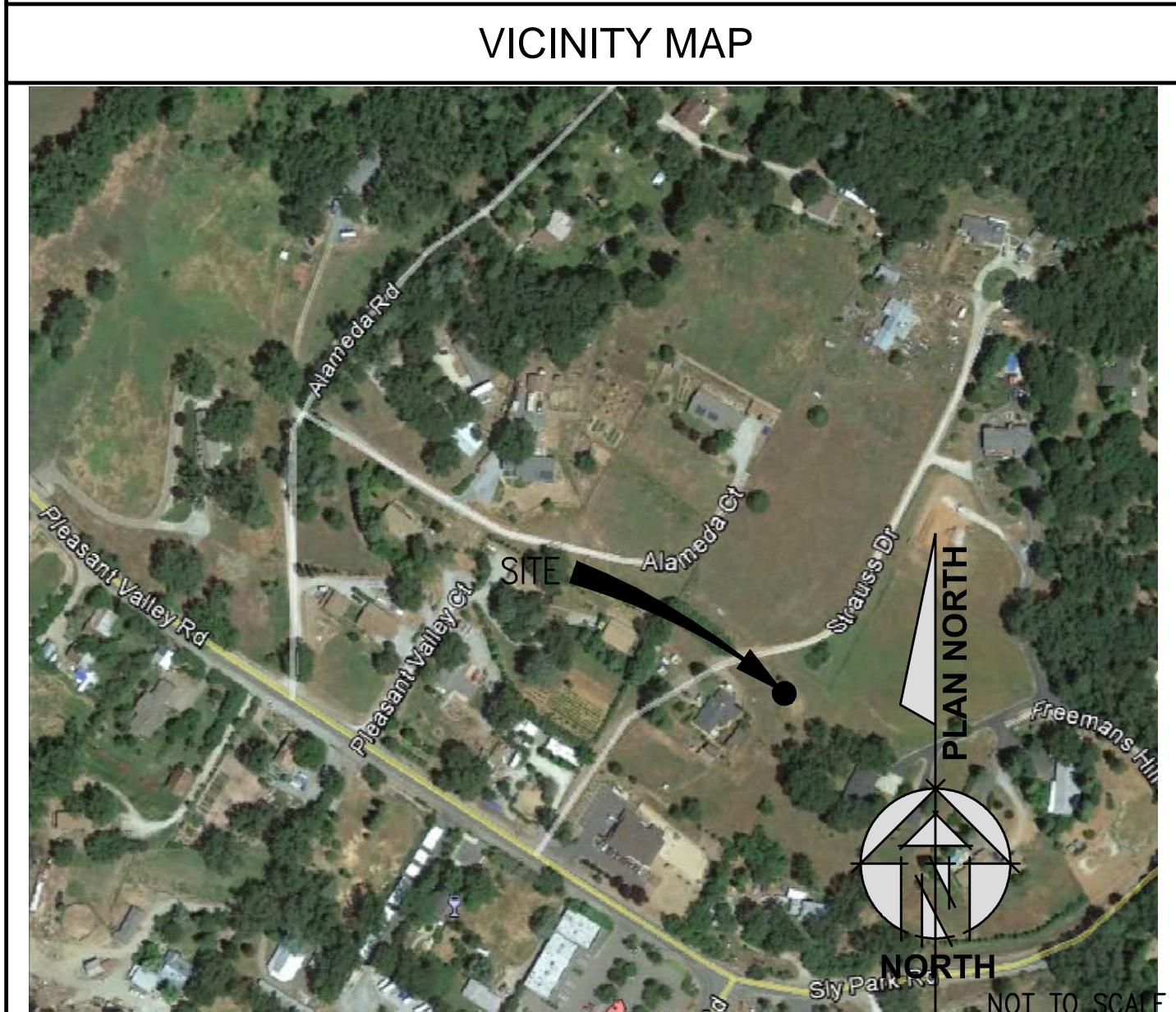
- 2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R. (CALIFORNIA CODE OF REGULATIONS)
- 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (VOLUMES 1 & 2), (2015 INTERNATIONAL BUILDING CODE)
- 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R., (2014 NATIONAL ELECTRICAL CODE)
- 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R., (2015 UNIFORM MECHANICAL CODE)
- 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R., (2015 UNIFORM PLUMBING CODE)
- 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
- 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE)
- 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R., (2015 INTERNATIONAL FIRE CODE)
- 2016 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE)
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R., (CALGreen)
- 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
- ANSI/EIA-TIA-222-G
- ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS.

DISABLED ACCESS REQUIREMENTS
THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE TITLE 24 PART 2, SECTION 11B-203.4

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : U (UNMANNED)
CONSTRUCTION TYPE: V-B

VICINITY MAP



SPECIAL INSPECTIONS

Attachment 1
Site 3 Pleasant Valley

DIRECTIONS FROM AT&T

DIRECTIONS FROM AT&T'S OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA 94583

- GET ON I-680 S 3 MIN (1.1 MI)
- HEAD SOUTHEAST ON CAMINO RAMON TOWARD BISHOP DR 0.3 MI
- TURN RIGHT ONTO BOLLINGER CANYON RD 0.5 MI
- USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE 0.3 MI
- TAKE I-580 E, I-205 E, I-5 N AND CA-88 E TO CA-124 N IN AMADOR COUNTY 1 H 27 MIN (87.5 MI)
- MERGE ONTO I-680 S 3.9 MI
- USE THE RIGHT 2 LANES TO TAKE EXIT 30B TO MERGE ONTO I-580 E TOWARD STOCKTON 20.5 MI
- KEEP LEFT TO CONTINUE ON I-205 E, FOLLOW SIGNS FOR INTERSTATE 205/TRACY/STOCKTON 14.5 MI
- MERGE ONTO I-5 N 12.3 MI
- USE THE RIGHT LANE TO TAKE THE CA-4 E EXIT TOWARD DOWNTOWN STOCKTON 0.7 MI
- KEEP LEFT AND MERGE ONTO CA-4 2.7 MI
- USE THE LEFT 2 LANES TO TAKE EXIT 68B TO MERGE ONTO CA-99 N TOWARD SACRAMENTO 1.8 MI
- TAKE EXIT 255 FOR CA-88 E/WATERLOO ROAD TOWARD JACKSON 0.2 MI
- TURN RIGHT ONTO CA-88 E (SIGNS FOR JACKSON/WATERLOO ROAD) 19.1 MI
- TURN LEFT TO STAY ON CA-88 E 11.7 MI
- CONTINUE ON CA-124 N TO CA-16 E 12 MIN (10.5 MI)
- TURN LEFT ONTO CA-124 N 2.3 MI
- TURN LEFT ONTO E MAIN ST 341 FT
- TURN RIGHT ONTO PRESTON AVE 0.1 MI
- TURN RIGHT ONTO CA-124 N 8.0 MI
- TURN RIGHT ONTO CA-16 E 34 S (0.3 MI)
- TAKE SHENANDOAH RD AND MT AUKUM RD TO STRAUSS DR IN EL DORADO COUNTY 34 MIN (24.1 MI)
- CONTINUE ONTO CA-49 N 2.4 MI
- TURN RIGHT ONTO SHENANDOAH RD 0.5 MI
- TURN LEFT TO STAY ON SHENANDOAH RD 8.6 MI
- CONTINUE ONTO MT AUKUM RD 12.4 MI
- TURN LEFT ONTO PLEASANT VALLEY RD 397 FT
- TURN RIGHT ONTO STRAUSS DR
- DESTINATION WILL BE ON THE RIGHT 0.1 MI
- 4559 STRAUSS DR
PLACERVILLE, CA 95667

APPROVALS

APPROVED BY:	INITIALS:	DATE:
AT&T:		
VENDOR:		
R.F.:		
LEASING / LANDLORD:		
ZONING:		
CONSTRUCTION:		
POWER / TELCO:		
PG&E:		

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

GENERAL CONSTRUCTION NOTES:

- PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
- THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
- ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
- ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
- INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
 TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
 TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
 TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

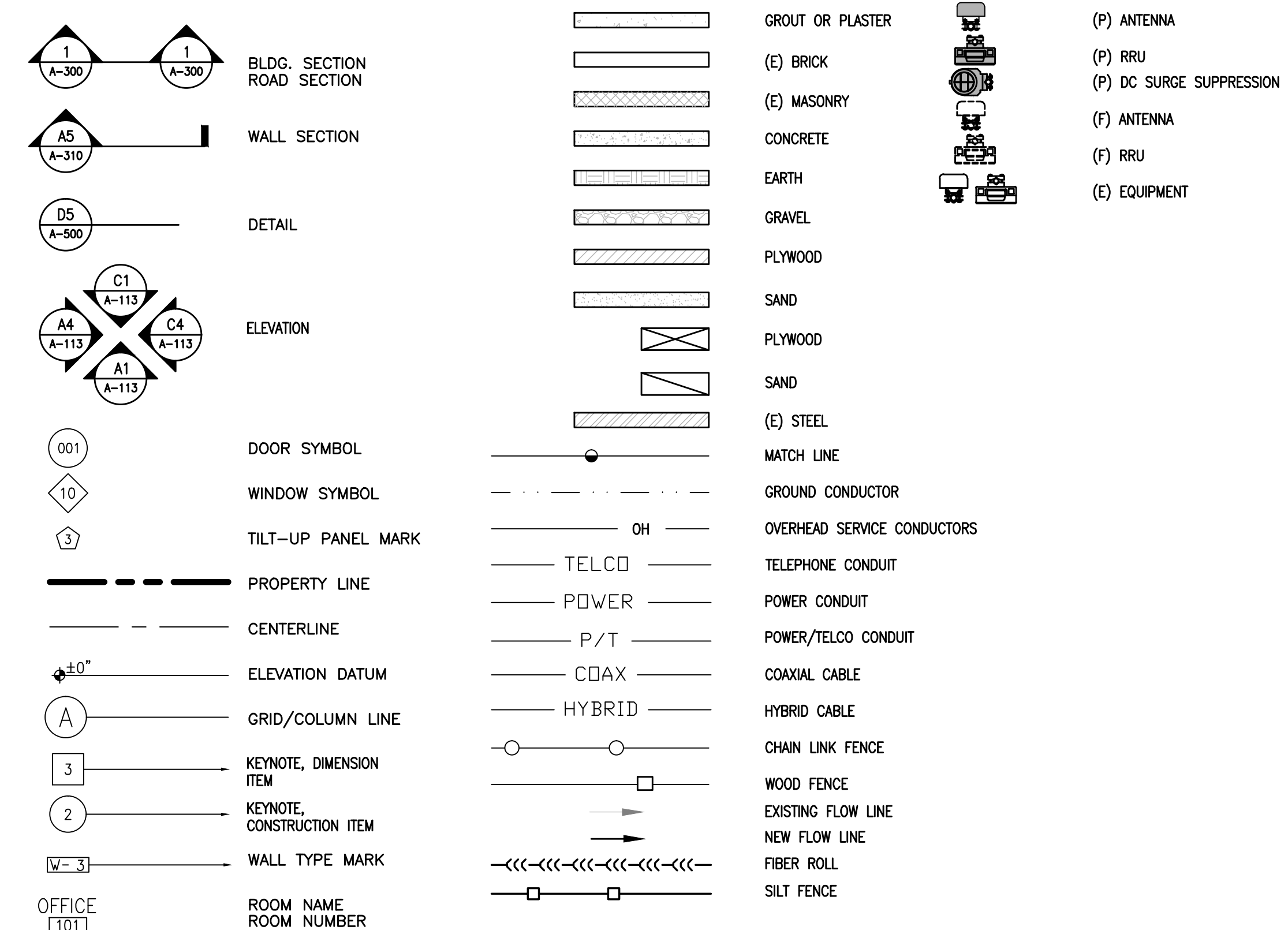
ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT	HT.	HEIGHT
ABV.	ABOVE	IGCB.	ISOLATED COPPER GROUND BUS
ACCA	ANTENNA CABLE COVER ASSEMBLY	IN. (")	INCH(ES)
ADD'L	ADDITIONAL	INT.	INTERIOR
A.F.F.	ABOVE FINISHED FLOOR	LB.(#)	POUND(S)
A.F.G.	ABOVE FINISHED GRADE	L.B.	LAG BOLTS
ALUM.	ALUMINUM	L.F.	LINEAR FEET (FOOT)
ALT.	ALTERNATE	L.	LONG(TUDINAL)
ANT.	ANTENNA	MAS.	MASONRY
APPRX.	APPROXIMATE(LY)	MAX.	MAXIMUM
ARCH.	ARCHITECT(URAL)	M.B.	MACHINE BOLT
AWG.	AMERICAN WIRE GAUGE	MECH.	MECHANICAL
BLDG.	BUILDING	MFR.	MANUFACTURER
BLK.	BLOCK	MIN.	MINIMUM
BLKG.	BLOCKING	MISC.	MISCELLANEOUS
BM.	BEAM	MTL.	METAL
B.N.	BOUNDARY NAILING	(N)	NEW
BTCW.	BARE TINNED COPPER WIRE	NO.(#)	NUMBER
B.O.F.	BOTTOM OF FOOTING	N.T.S.	NOT TO SCALE
B/U	BACK-UP CABINET	O.C.	ON CENTER
CAB.	CABINET	OPNG.	OPENING
CANT.	CANTILEVER(ED)	(P)	PROPOSED
C.I.P.	CAST IN PLACE	P/C	PRECAST CONCRETE
CLG.	CEILING	PCS	PERSONAL COMMUNICATION SERVICES
CLR.	CLEAR	PLY.	PLYWOOD
COL.	COLUMN	PPC	POWER PROTECTION CABINET
CONC.	CONCRETE	PRC	PRIMARY RADIO CABINET
CONN.	CONNECTION(OR)	P.S.F.	POUNDS PER SQUARE FOOT
CONST.	CONSTRUCTION	P.S.I.	POUNDS PER SQUARE INCH
CONT.	CONTINUOUS	P.T.	PRESSURE TREATED
d	PENNY (NAILS)	PWR.	POWER (CABINET)
DBL	DOUBLE	QTY.	QUANTITY
DEPT.	DEPARTMENT	RAD.(R)	RADIUS
D.F.	DOUGLAS FIR	REF.	REFERENCE
DIA.	DIAMETER	REINF.	REINFORCEMENT(ING)
DIAG.	DIAGONAL	REQ'D/	REQUIRED
DM.	DIMENSION	RGS.	RIGID GALVANIZED STEEL
DWG.	DRAWING(S)	SCH.	SCHEDULE
DWL	DOWEL(S)	SHT.	SHEET
EA.	EACH	SIM.	SIMILAR
EL.	ELEVATION	SPEC.	SPECIFICATIONS
ELEC.	ELECTRICAL	SQ.	SQUARE
ELEV.	ELEVATOR	S.S.	STAINLESS STEEL
EMT.	ELECTRICAL METALLIC TUBING	STD.	STANDARD
E.N.	EDGE NAIL	STL.	STEEL
ENG.	ENGINEER	STRUC.	STRUCTURAL
EQ.	EQUAL	TEMP.	TEMPORARY
EXP.	EXPANSION	THK.	THICK(NESS)
EXST.(E)	EXISTING	T.N.	TOE NAIL
EXT.	EXTERIOR	T.O.A.	TOP OF ANTENNA
(F)	FUTURE	T.O.C.	TOP OF CURB
FAB.	FABRICATION(OR)	T.O.F.	TOP OF FOUNDATION
F.F.	FINISH FLOOR	T.O.P.	TOP OF PLATE (PARAPET)
F.G.	FINISH GRADE	T.O.S.	TOP OF STEEL
FIN.	FINISH(ED)	T.O.W.	TOP OF WALL
FLR.	FLOOR	TYP.	TYPICAL
FDN.	FOUNDATION	U.G.	UNDER GROUND
F.O.C.	FACE OF CONCRETE	U.L.	UNDERWRITERS LABORATORY
F.O.M.	FACE OF MASONRY	UN.O.	UNLESS NOTED OTHERWISE
F.O.S.	FACE OF STUD	V.I.F.	VERIFY IN FIELD
F.O.W.	FACE OF WALL	W	WIDE (WIDTH)
F.S.	FINISH SURFACE	W/	WITH
FT.(')	FOOT (FEET)	WD.	WOOD
FTG.	FOOTING	WP.	WEATHERPROOF
G.	GROWTH (CABINET)	WT.	WEIGHT
GA.	GAUGE	C	CENTERLINE
GI.	GALVANIZE(D)	P	PLATE, PROPERTY LINE
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER		
GLB. (GLU-LAM)	GLUE LAMINATED BEAM		
GPS	GLOBAL POSITIONING SYSTEM		
GRND.	GROUND		
HDR.	HEADER		
HGR.	HANGER		

SYMBOLS LEGEND



Issued For:
PLEASANT VALLEY
 4559 STRAUSS DRIVE
 PLACERVILLE, CA 95667

PREPARED FOR

 2600 Camino Ramon, 4W850 N
 San Ramon, California 94583

WIRELESS GROUP

AT&T SITE NO: CVL03180
 PROJECT NO: 13787610
 DRAWN BY: CES
 CHECKED BY: CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE

Licensur:

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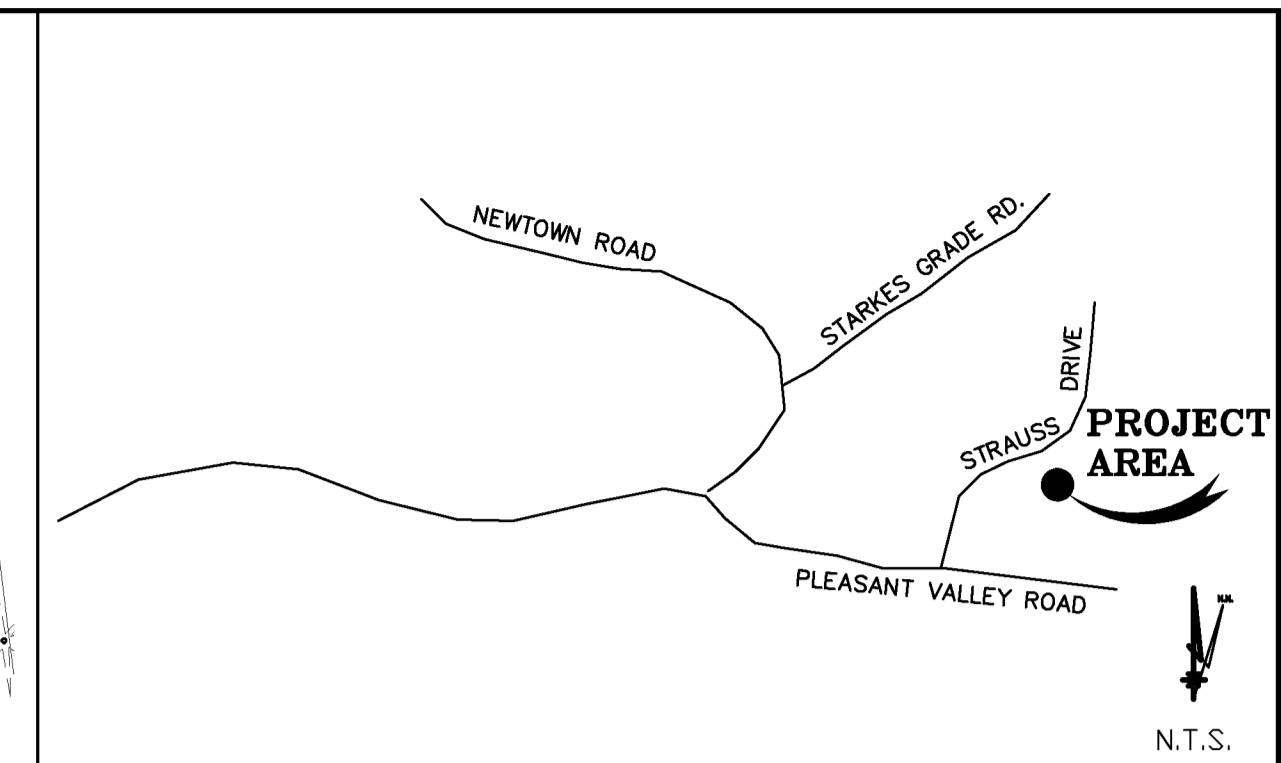
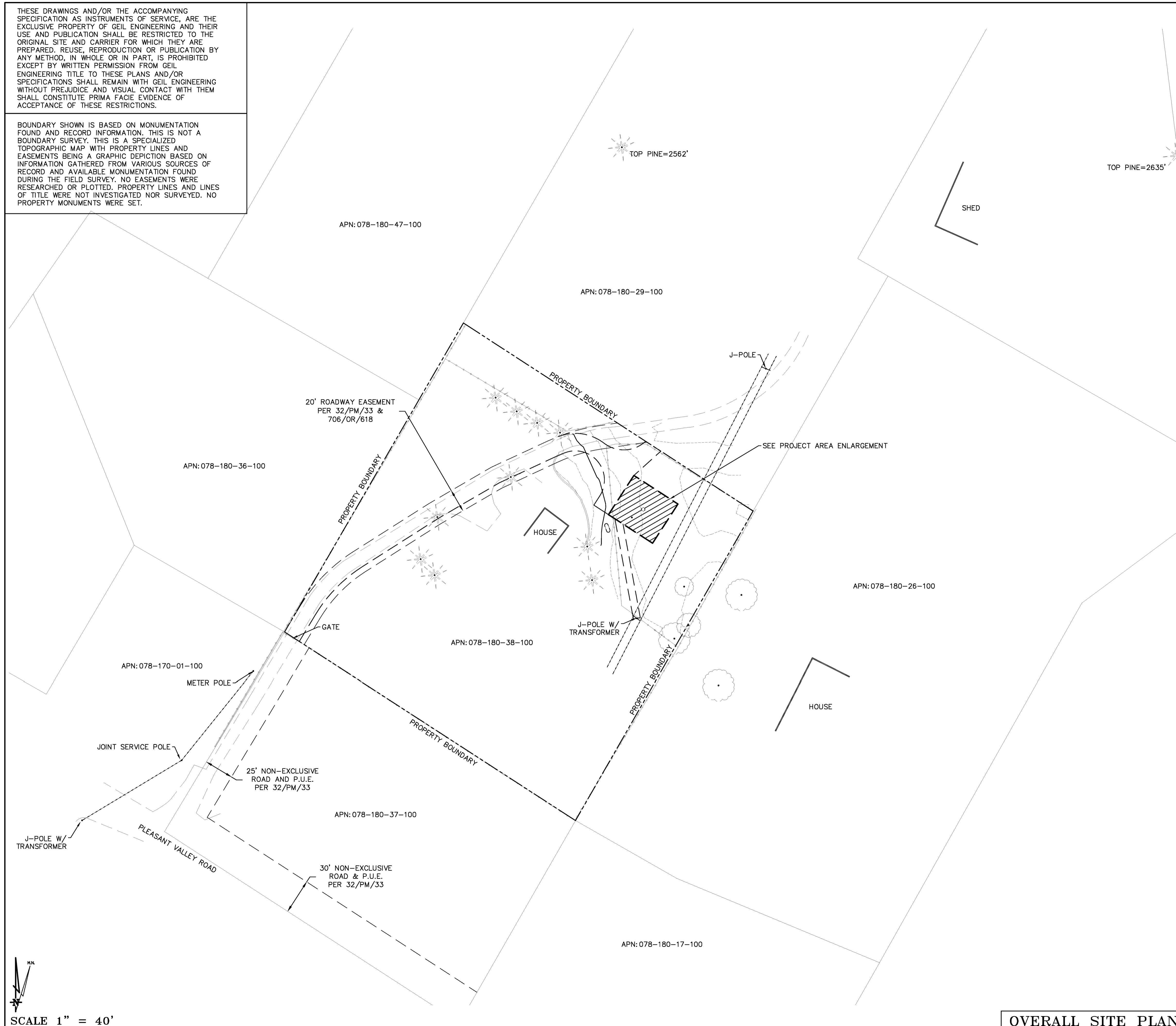
Engineer:
ADAPTIVE RE-USE ENGINEERING
 Craig Horner, PE 84674
 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craighorner@yahoo.com

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
GN-1

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

BOUNDARY 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.



PLACERVILLE, CA **VICINITY MAP**

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: CVL03180 / PLEASANT VALLEY
Project Site Location: 4559 Strauss Drive
Placerville, CA 95667
El Dorado County
Date of Observation: 05-15-17

Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.
Type of Antenna Mount: Proposed Monopine Tower

Coordinates (Tower)
Latitude: N 38° 41' 02.92" (NAD83) N 38° 41' 03.26" (NAD27)
Longitude: W 120° 39' 43.12" (NAD83) W 120° 39' 39.37" (NAD27)

ELEVATION of Ground at Structure (NAVD88) 2497' AMSL

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 the Parcel 2 as is shown on that certain Parcel Map filed for record at Book 32 of Parcel Maps, Page 33, El Dorado County Records, located in the County of El Dorado, State of California, and being a portion of Section 28, Township 10 N., Range 12 E., M.D.B.& M, and being more particularly described as follows:

Beginning at a point from which a 3/4" Capped Iron Pipe set at the Southwest corner of the above referenced parcel bears South 70°06'34" West 295.18 feet; thence from said True Point of Beginning North 32°58'23" East 40.00 feet; thence South 57°01'37" East 45.00 feet; thence South 32°58'23" West 40.00 feet; thence North 57°01'37" West 45.00 feet to the point of beginning.

Together with a non-exclusive easement for access and utility purposes fifteen feet in width from the above described lease area and running thence Northwesterly as is shown hereon to the existing access road and easements; thence over, and across said access road and easements as are shown hereon to the public right of way more commonly known as Pleasant Valley Road.

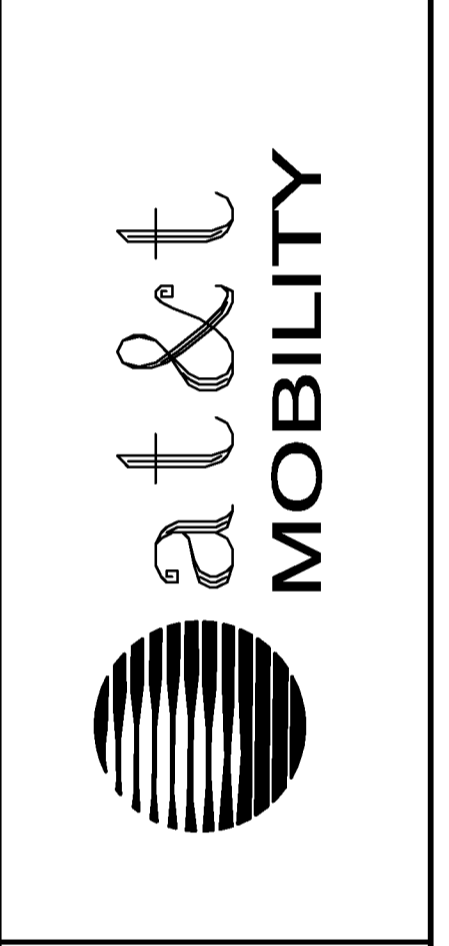
Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: beginning at a point which bears North 57°01'37" West 34.30 feet from most Southerly corner of the above described lease area and running thence South 10°27'46" East 84.4 feet more or less to the existing utility pole.

DATE OF SURVEY: 05-15-17
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 2.79' FROM ELEVATIONS SHOWN.
CONTOUR INTERVAL: 1'
CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.
ASSESSOR'S PARCEL NUMBER: 078-180-38-100
OWNER(S): VINCENT & JO ANNE GLOWCZWSKIE
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667

DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor
GEIL ENGINEERING
ENGINEERING * SURVEYING * PLANNING
1226 HIGH STREET
AUBURN, CALIFORNIA 95603
Phone: (530) 885-0426
Fax: (530) 823-1309

Architect
A.T.& T. Mobility



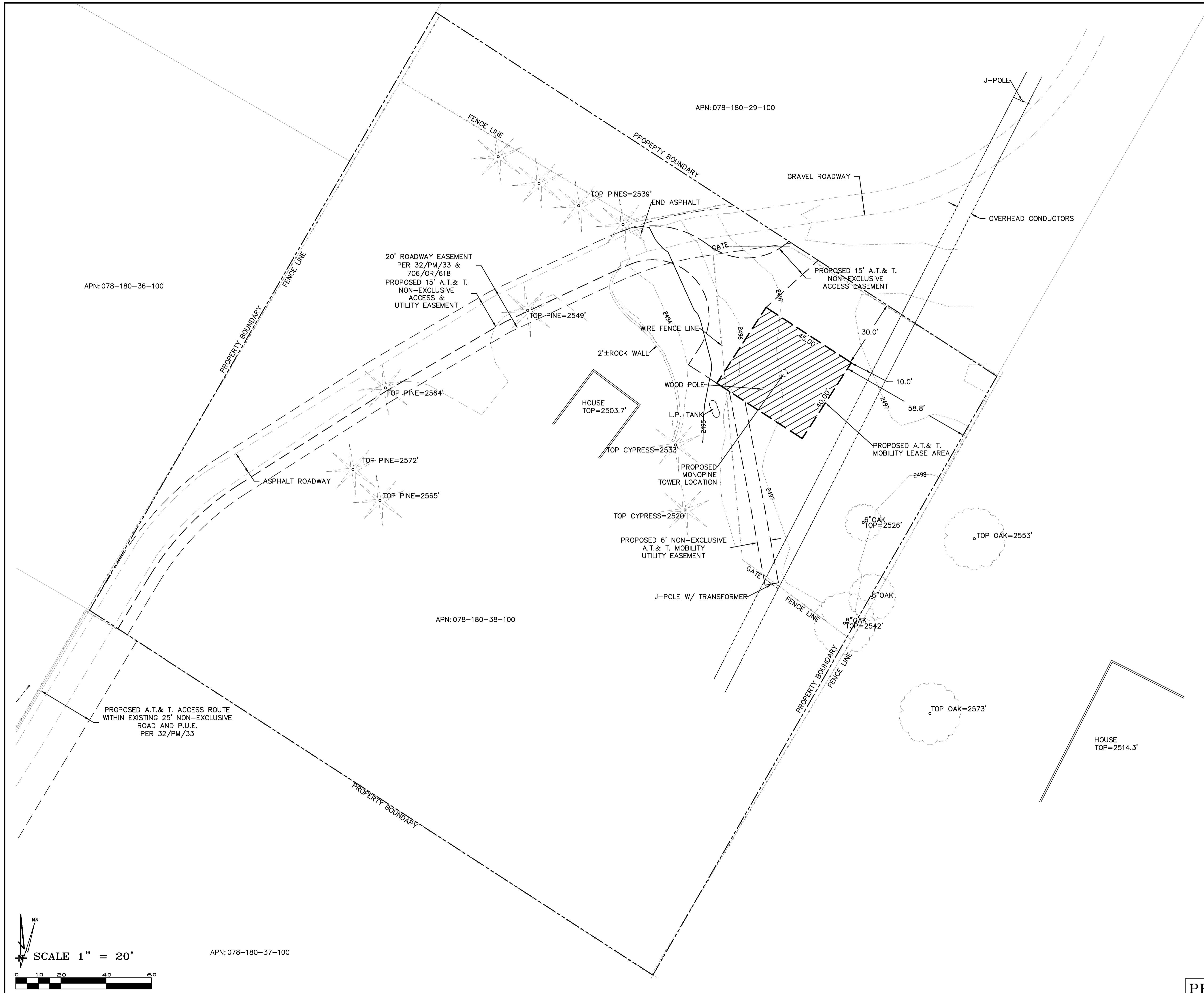
CVL03180
PLEASANT VALLEY
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667
PLOT PLAN AND
SITE TOPOGRAPHY

REV	DATE	DESCRIPTION
05-16-17	N. RONDE	PRELIMINARY DRAWING
06-29-17	N. RONDE	EASEMENT MOD.
07-13-17	N. RONDE	REDLINES

Sheet
C-1

SCALE 1" = 40'

OVERALL SITE PLAN



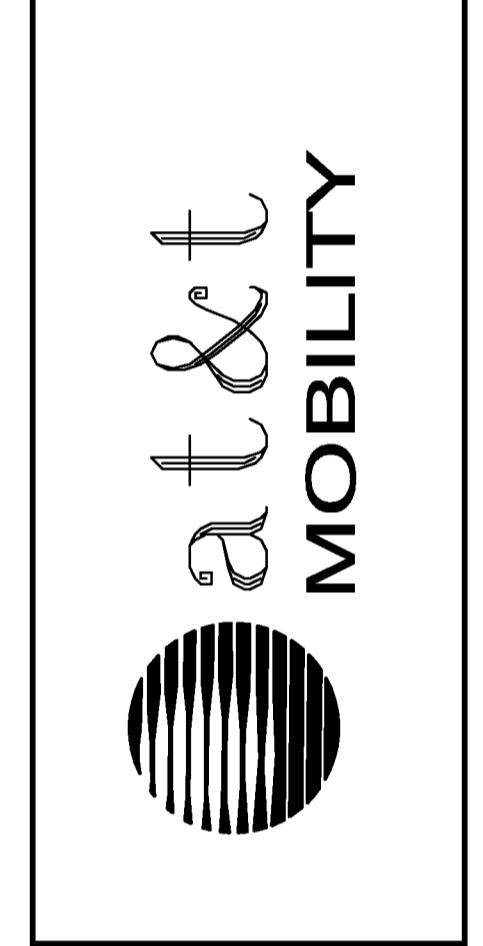
BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING 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.

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

DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor
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 Fax: (530) 885-1899

Architect

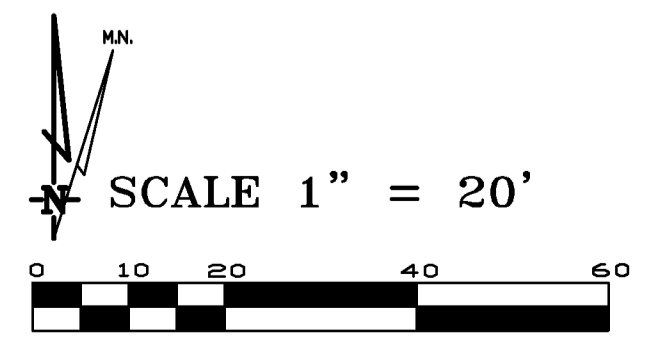


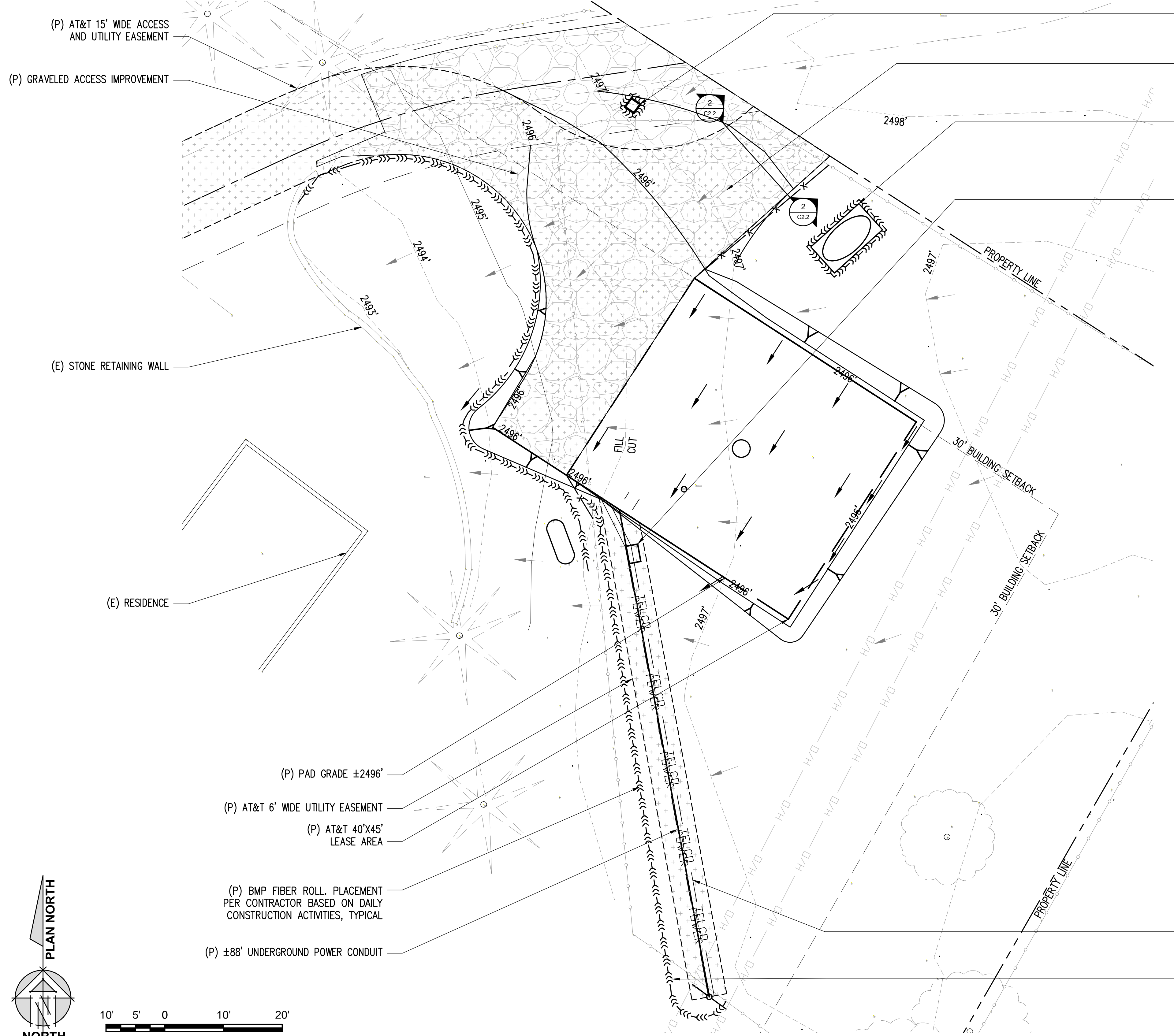
CVL03180
PLEASANT VALLEY
 4559 STRAUSS DRIVE
 PLACERVILLE, CA 95667
 PLOT PLAN AND
 SITE TOPOGRAPHY

Sheet

C-2

PROJECT AREA ENLARGEMENT





1 GRADING PLAN
1"=10'-0"

LEGEND

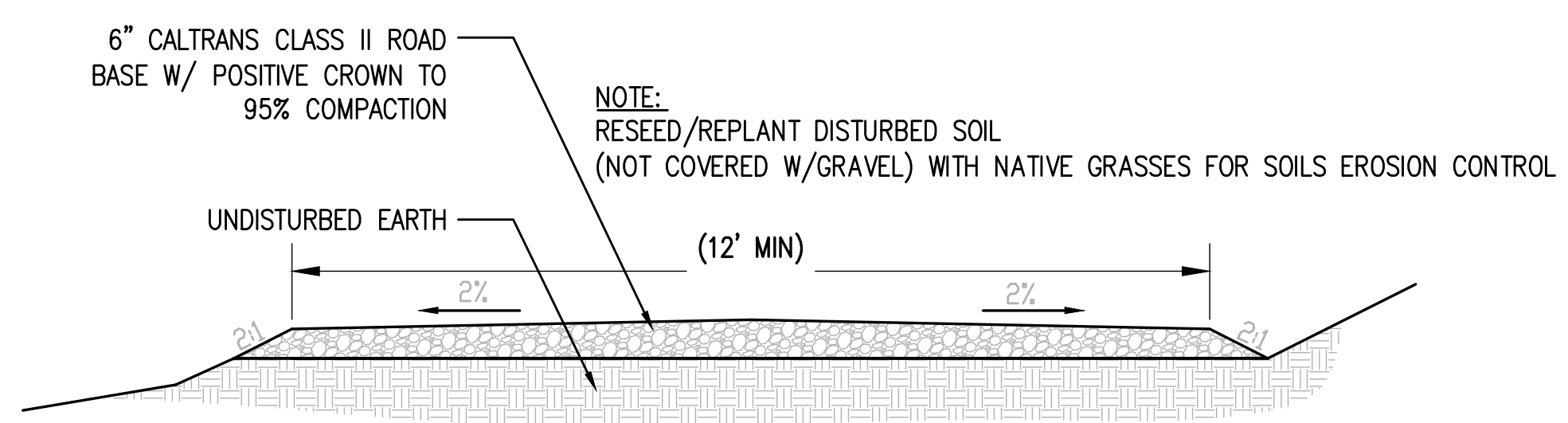
- (E) EXISTING
- (N) PROPOSED
- (E) FLOW LINE
- (N) FLOW LINE
- (N) FIBER ROLL
- (N) SILT FENCE

TRENCHING NOTES:
 1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 88'.
 TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 29.33 CUBIC YARDS.

CONSTRUCTION EROSION/ SEDIMENTATION CONTROL PLAN NOTES:

1. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
2. GRAVEL BAGS WITH FIBER ROLLS AND SILT BARRIER AS NEEDED AND/OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
3. ANY AND ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
4. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE, STUCCO WASHOUT SHALL BE ON SITE AT ALL TIMES CONTRACTOR TO FIELD VERIFY LOCATION AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/WATER CONTAMINANTS.
5. CONTRACTOR TO FIELD IDENTIFY "BMP'S" (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS AND REFER TO CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.
6. INSTALL SEDIMENT LOGS AROUND CONSTRUCTION AREA TO KEEP DEBRIS ON PROPERTY.
7. PLACE GRAVEL BAGS AROUND NEARBY, DOWN STREAM STORM INLET(S) DURING CONSTRUCTION.
8. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
9. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL.
10. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
11. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.
12. ON-SITE WATER TRUCK MAY BE REQUIRED FOR DUST MITIGATION.

SITE TYPE: MONOPINE/SHELTER



2 ACCESS ROAD DETAIL
NOT TO SCALE

Issued For:
PLEASANT VALLEY
 4559 STRAUSS DRIVE
 PLACERVILLE, CA 95667

PREPARED FOR

 2600 Camino Ramon, 4W850 N
 San Ramon, California 94583

EPIC
 WIRELESS GROUP

AT&T SITE NO: CVL03180
 PROJECT NO: 13787610
 DRAWN BY: CES
 CHECKED BY: CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE

Licensors:

 REGISTERED PROFESSIONAL ENGINEER
 CRAIG M. HORNER
 No. 84674
 CIVIL
 STATE OF CALIFORNIA

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

Engineer:
ADAPTIVE RE-USE ENGINEERING
 Craig Horner, PE 84674
 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craigmhorner@yahoo.com

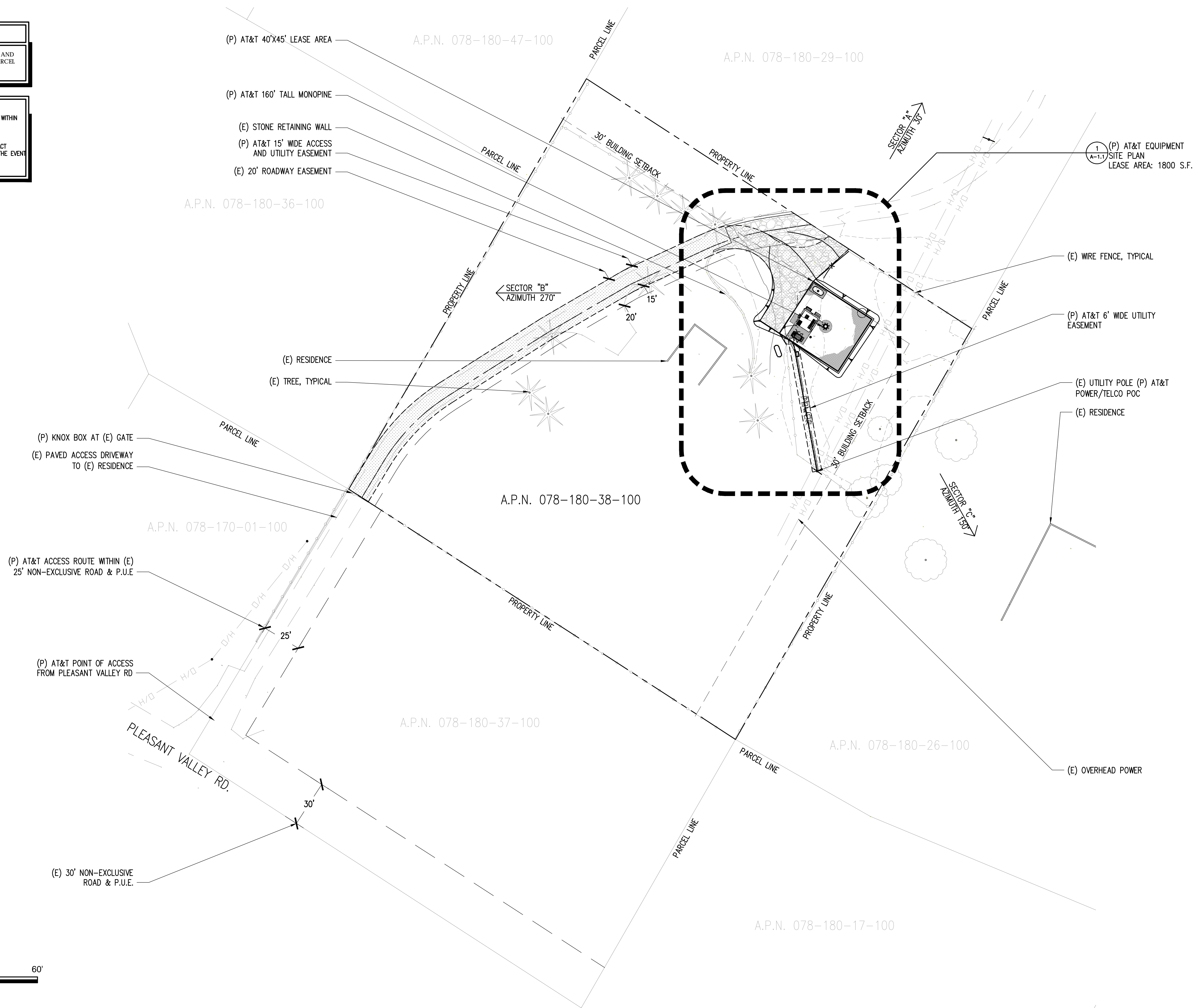
SHEET TITLE:
GRADING PLAN AND DETAILS

SHEET NUMBER:
C-2.2

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

- NOTES:
1. NO GRADING OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN DRIP LINES OF TREES THAT ARE TO REMAIN WITHOUT ARBORIST APPROVAL.
 2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT DIGALERT TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT PDC.



Issued For:
PLEASANT VALLEY
 4559 STRAUSS DRIVE
 PLACERVILLE, CA 95667

PREPARED FOR

 2600 Camino Ramon, 4W850 N
 San Ramon, California 94583

EPIC
 WIRELESS GROUP

AT&T SITE NO: CVL03180
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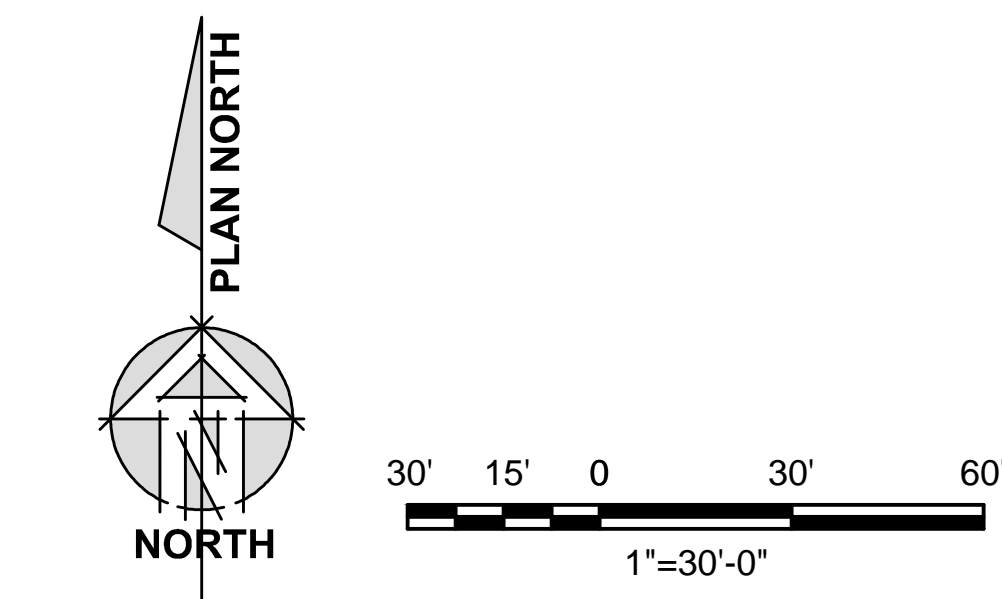
Licensors:

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Engineer:
ADAPTIVE RE-USE ENGINEERING
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 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craighorner@yahoo.com

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

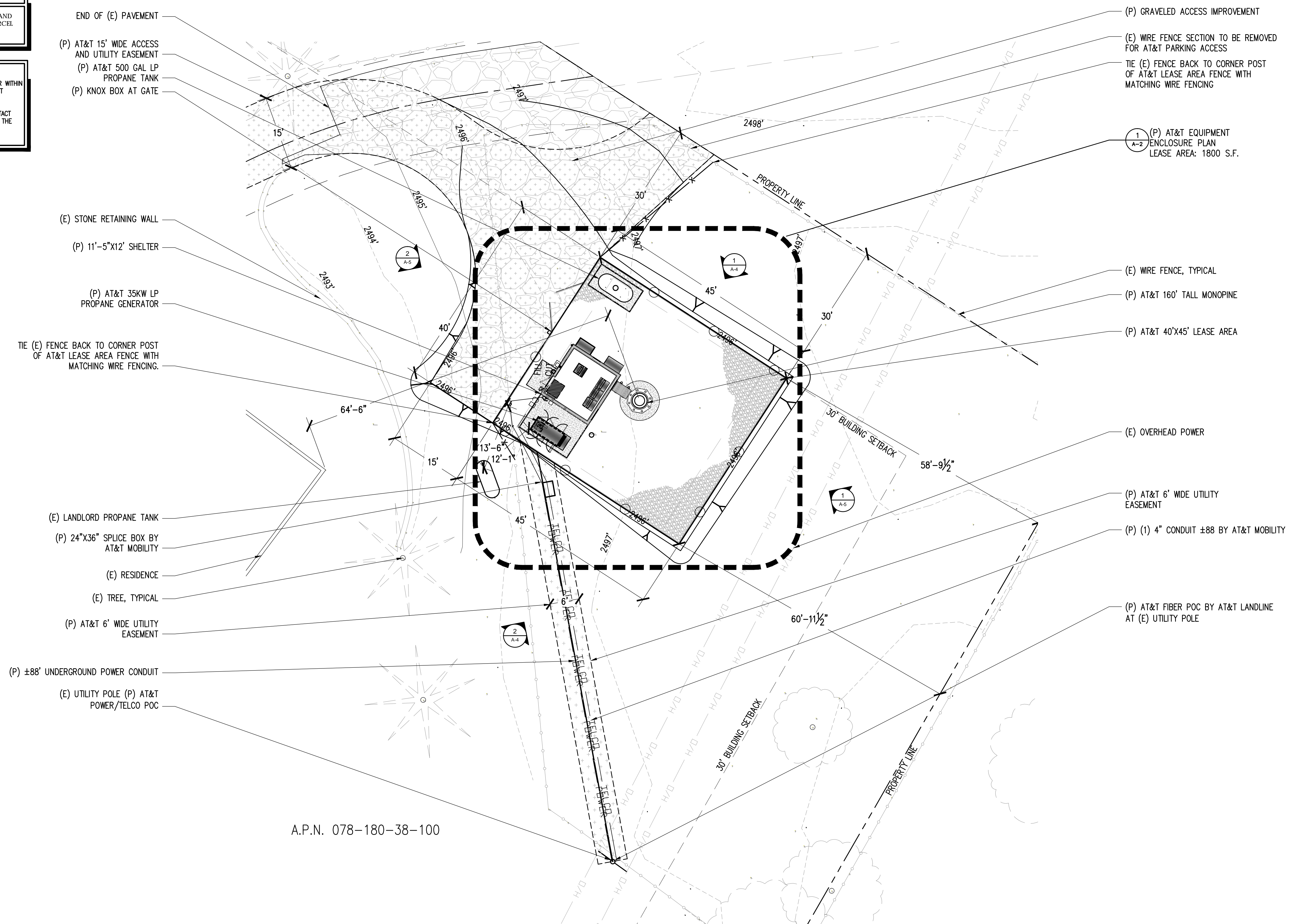


1 OVERALL SITE PLAN
 1"=30'-0"

SITE TYPE: MONOPINE/SHELTER

THIS IS NOT A SITE SURVEY
 ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

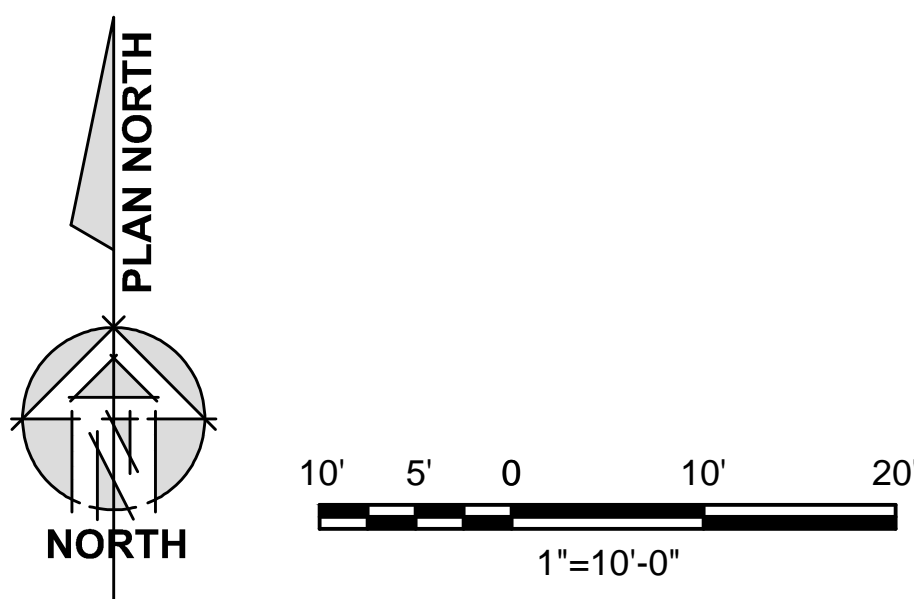
- NOTES:
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 2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT DIGALERT TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT PDC.



- END OF (E) PAVEMENT
- (P) AT&T 15' WIDE ACCESS AND UTILITY EASEMENT
- (P) AT&T 500 GAL LP PROPANE TANK
- (P) KNOX BOX AT GATE
- (E) STONE RETAINING WALL
- (P) 11'-5"x12' SHELTER
- (P) AT&T 35KW LP PROPANE GENERATOR
- TIE (E) FENCE BACK TO CORNER POST OF AT&T LEASE AREA FENCE WITH MATCHING WIRE FENCING.
- (E) LANDLORD PROPANE TANK
- (P) 24"x36" SPLICE BOX BY AT&T MOBILITY
- (E) RESIDENCE
- (E) TREE, TYPICAL
- (P) AT&T 6' WIDE UTILITY EASEMENT
- (P) ±88' UNDERGROUND POWER CONDUIT
- (E) UTILITY POLE (P) AT&T POWER/TELCO POC

- (P) GRAVELED ACCESS IMPROVEMENT
- (E) WIRE FENCE SECTION TO BE REMOVED FOR AT&T PARKING ACCESS
- TIE (E) FENCE BACK TO CORNER POST OF AT&T LEASE AREA FENCE WITH MATCHING WIRE FENCING
- (1 A-2) (P) AT&T EQUIPMENT ENCLOSURE PLAN LEASE AREA: 1800 S.F.
- (E) WIRE FENCE, TYPICAL
- (P) AT&T 160' TALL MONOPINE
- (P) AT&T 40'X45' LEASE AREA
- (E) OVERHEAD POWER
- (P) AT&T 6' WIDE UTILITY EASEMENT
- (P) (1) 4" CONDUIT ±88 BY AT&T MOBILITY
- (P) AT&T FIBER POC BY AT&T LANDLINE AT (E) UTILITY POLE

A.P.N. 078-180-38-100



1 SITE PLAN
1"=10'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:
PLEASANT VALLEY
 4559 STRAUSS DRIVE
 PLACERVILLE, CA 95667

PREPARED FOR

2600 Camino Ramon, 4W850 N
 San Ramon, California 94583

AT&T SITE NO:	CVL03180
PROJECT NO:	13787610
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE

Licenser:

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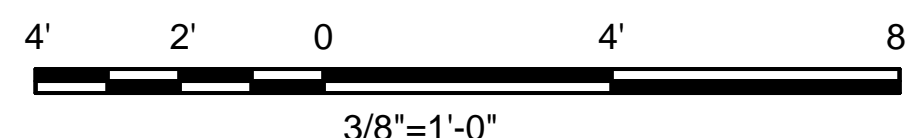
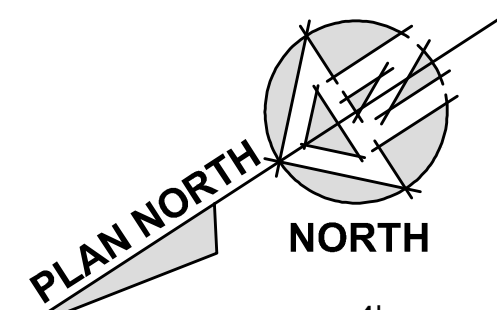
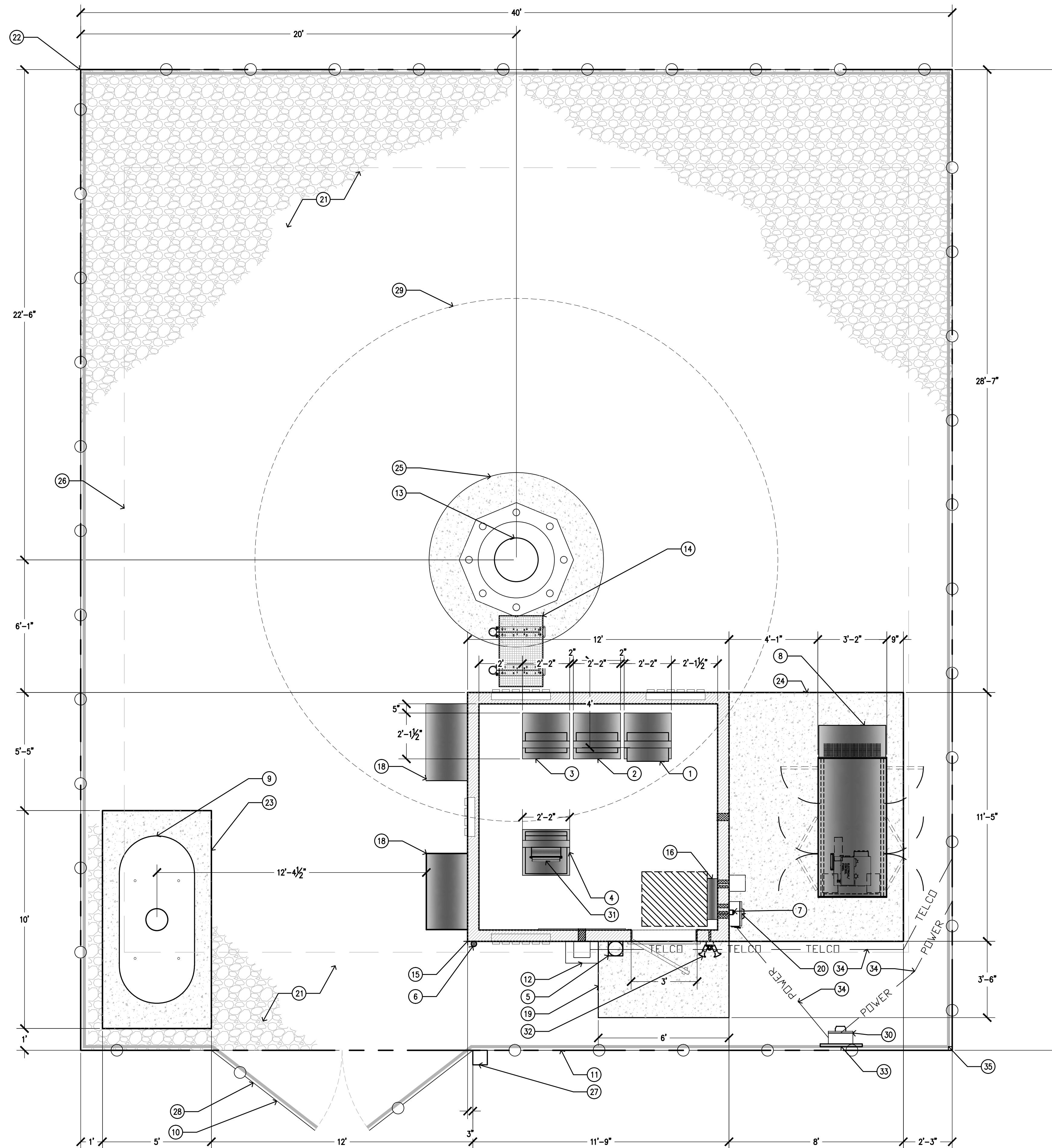
Engineer:
ADAPTIVE RE-USE ENGINEERING
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 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craigmhorner@yahoo.com

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1.1

KEYNOTES


- ① (P) RF RACK #1
- ② (P) RF RACK #2
- ③ (P) POWER PLANT RACK W/ (2) STRINGS OF BATTERIES
- ④ (P) TELCO RACK
- ⑤ (P) 2A20BC RATED FIRE EXTINGUISHER IN WEATHER RESISTANT CABINET
- ⑥ (P) GPS UNIT
- ⑦ (P) CAMLOCK GENERATOR INTERFACE
- ⑧ (P) 350W LP PROPANE STANDBY GENERATOR
- ⑨ (P) 500 GAL LP PROPANE STORAGE TANK TO BE LEASED FROM SUBURBAN PROPANE
- ⑩ (P) 12'-0" WIDE ACCESS GATE
- ⑪ (P) 6'-0" CHAIN LINK FENCE W/ 3 STRAND ANTI CLIMB BARRIER AND GREEN VINYL SLATS
- ⑫ (P) 18"x18"x12" TELCO PULL CAN BY AT&T MOBILITY
- ⑬ (P) 153'-00" MONOPOLE W/ 7' BRANCH CROWN TO 160' OVER ALL HEIGHT
- ⑭ (P) ICE BRIDGE
- ⑮ (P) AT&T 11'-6" x 12'-0" PRE-MANUFACTURED EQUIPMENT SHELTER
- ⑯ (P) 200A 42 CIRCUIT LOAD CENTER / AUTOMATIC & MANUAL TRANSFER SWITCH
- ⑰ (P) TELCO BOARD BY AT&T MOBILITY
- ⑱ (P) 4 TON HVAC UNIT
- ⑲ (P) 6'-0" x 3'-6" CONCRETE STOOP
- ⑳ (P) 200A MAIN DISCONNECT
- ㉑ (P) GRAVEL BED
- ㉒ (P) AT&T 40'x45' LEASE AREA
- ㉓ (P) 5'x10 SLAB
- ㉔ (P) GEN PATIO
- ㉕ (P) TOWER CAISSON (DESIGN BY OTHERS)
- ㉖ (P) 1/2" TOWER MATT SLAB (DESIGN BY OTHERS)
- ㉗ (P) FIRE DEPARTMENT KNOX BOX
- ㉘ (P) CARRIER CONTACT SIGNAGE AT GATE
- ㉙ (P) 24" MAX BRANCH DIAMETER AT BASE OF (P) MONOPIE
- ㉚ (P) 200A ELECTRICAL METER WITH MAIN DISCONNECT ON (P) H-FRAME
- ㉛ (P) CIENNA CABINET BY AT&T
- ㉜ (P) SHIELDED DOWN TILT LIGHT WITH MOTION SENSOR AND AUTO SHUTOFF TIMER PROVIDED WITH EQUIPMENT CABINET
- ㉝ (P) UTILITY H-FRAME
- ㉞ (P) UNDERGROUND UTILITY CONDUITS
- ㉟ (P) BBC-13X 1.2LB PSF MIN. OR EQUIV., SOUND BLANKET AT INTERIOR SIDE OF FENCE

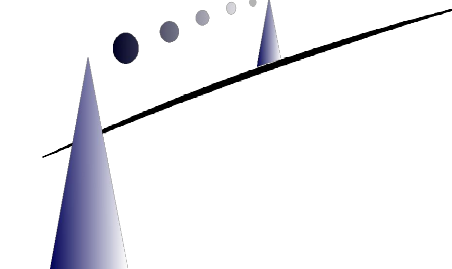


1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPIE/SHELTER

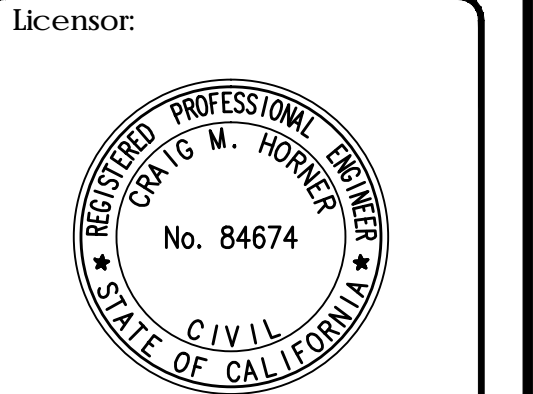
Issued For:
PLEASANT VALLEY
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667

PREPARED FOR

2600 Camino Ramon, 4W850 N
San Ramon, California 94583


WIRELESS GROUP

AT&T SITE NO: CVL03180
PROJECT NO: 13787610
DRAWN BY: CES
CHECKED BY: CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE



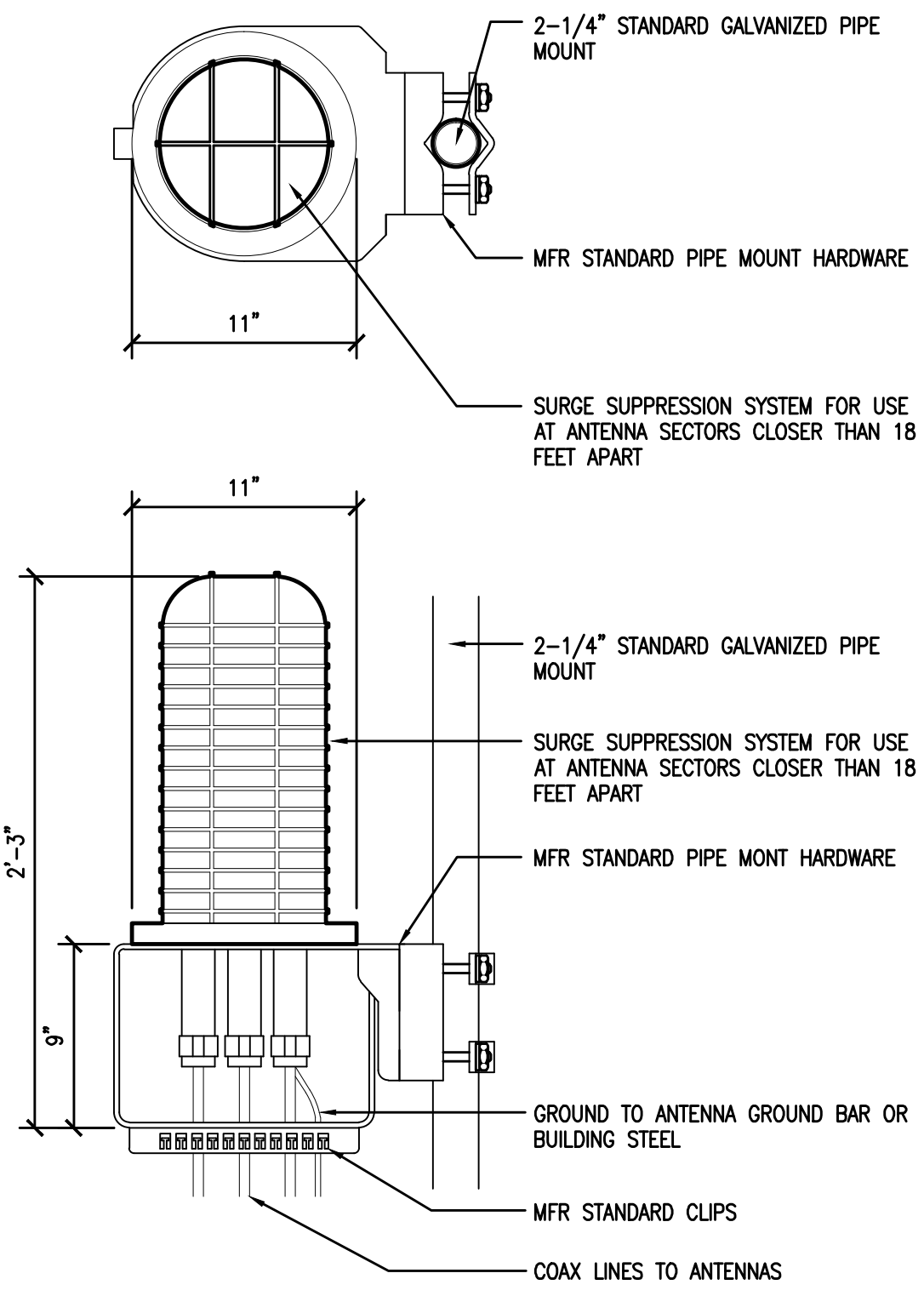
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craigmhorner@yahoo.com

SHEET TITLE:
EQUIPMENT AREA PLAN

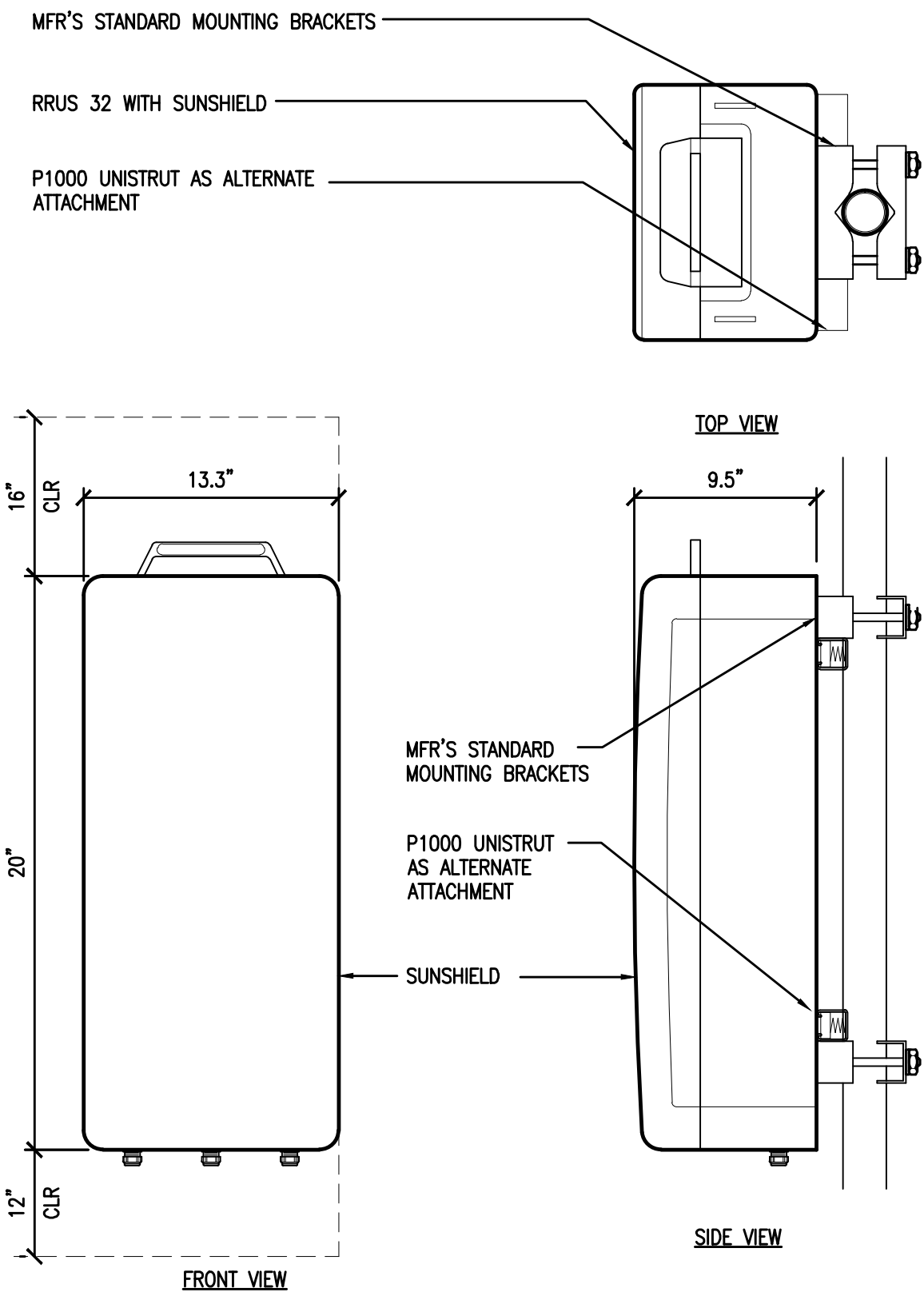
SHEET NUMBER:
A-2

RAYCAP DC6-48-60-18-8C &
DC6-48-60-0-8C SURGE SUPPRESSION
SOLUTION
COLOR: BLACK/SILVER
DIMENSIONS: 11" DIA X 27" TALL W/ 9" BASE
WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)

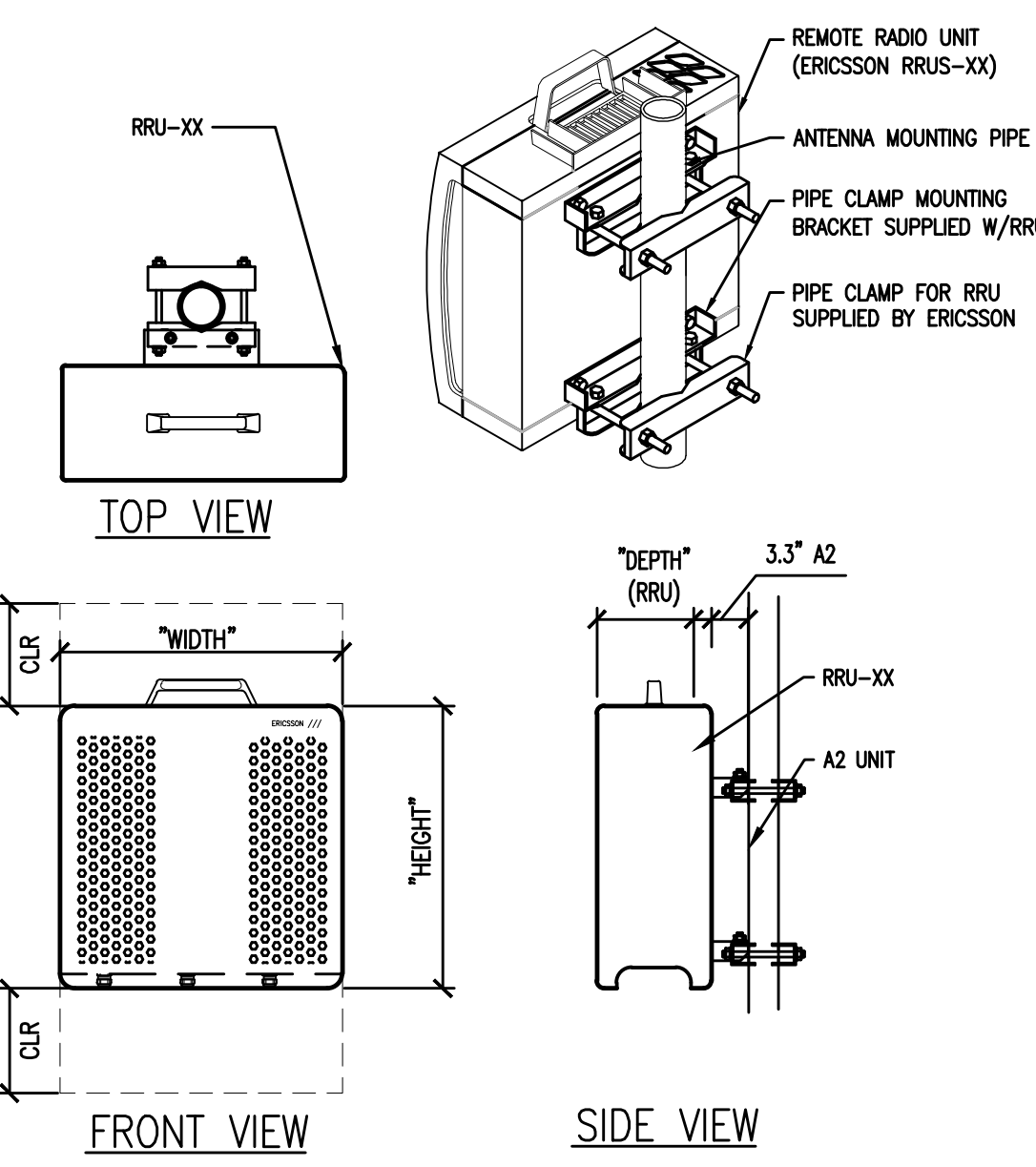


1 DC SURGE SUPPRESSION (SQUID)
1 1/2"=1'-0"

ERICSSON WCS RRU-32
MODEL: KRC161 423/1
COLOR: WHITE
DIMENSIONS: 29.9" TALL X 13.3" WIDE X 9.5" DEEP (INCLUDING SUNSHIELD)
WEIGHT: +/- 77LBS. (INCLUDING MOUNTING HARDWARE)

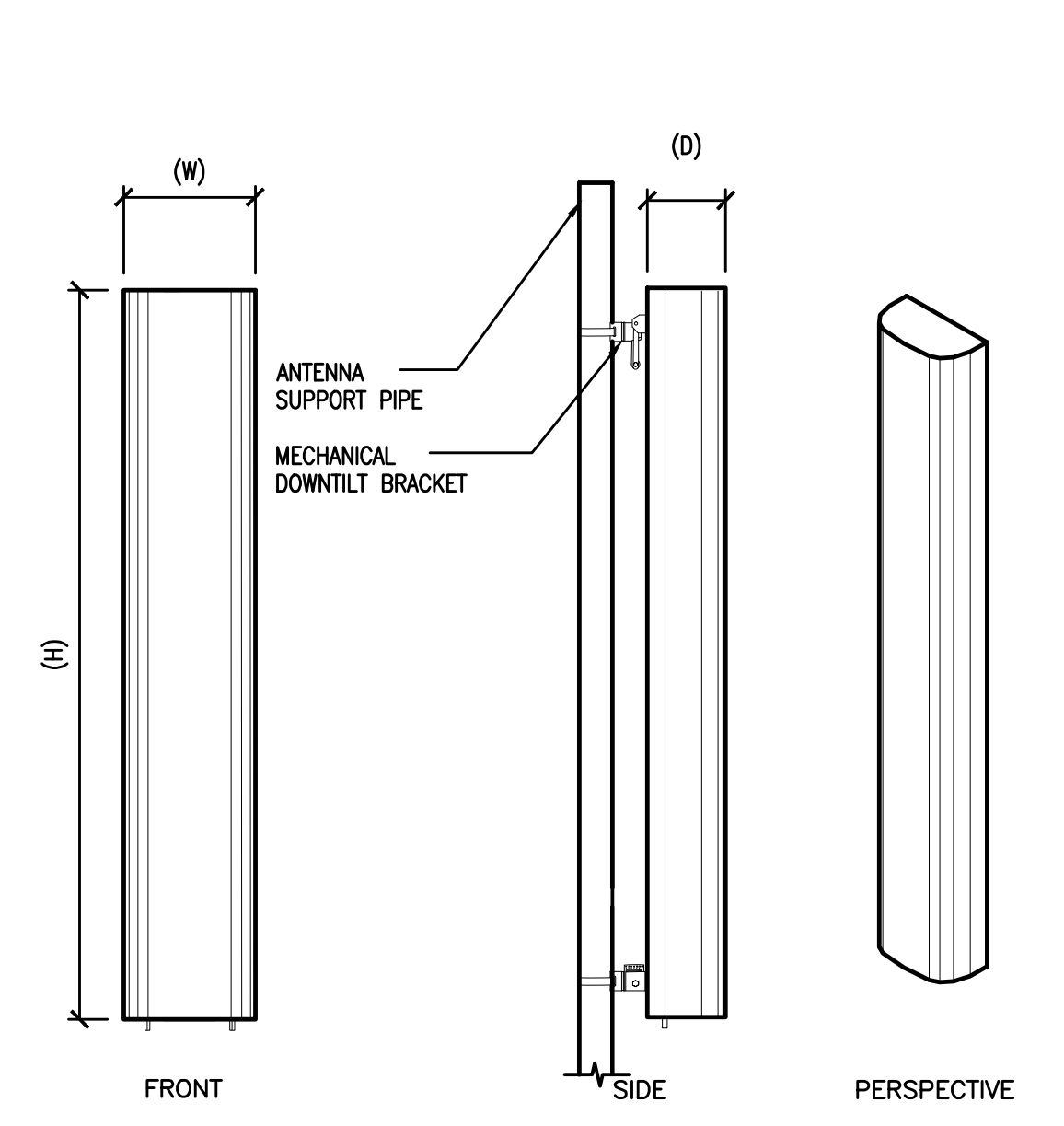


2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"



TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-11	17.8"	17.3"	7.19"	50 LBS
RRUS-12	20.4"	18.5"	7.5"	57.5 LBS

3 ERICSSON RRU-XX REMOTE RADIO UNIT
1 1/2"=1'-0"



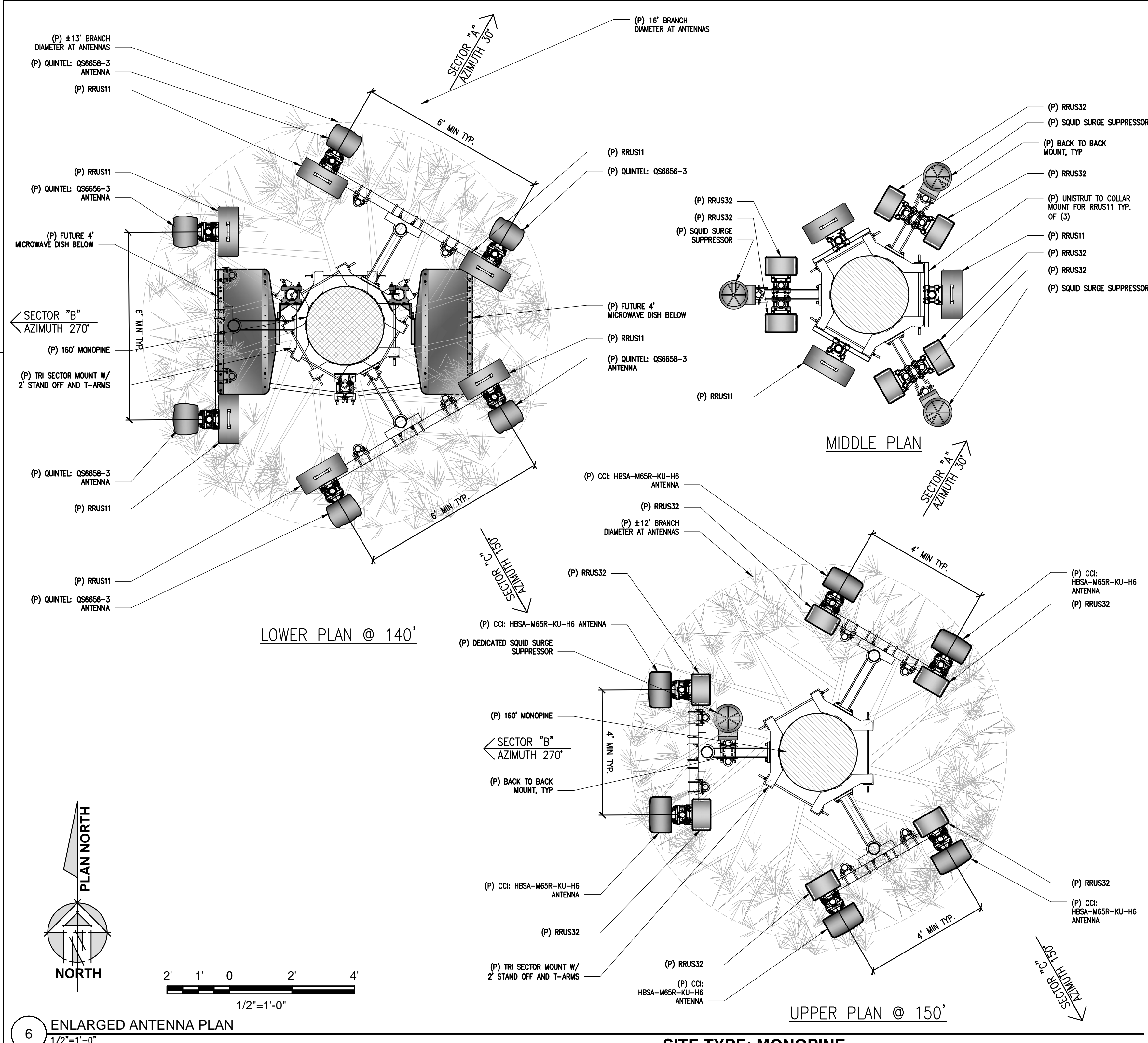
- ANTENNA = QUNTEL QS6656-3
WIND AREA = 6 SQ.FT.
WEIGHT = 65 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)
- ANTENNA = QUNTEL QS6658-3
WIND AREA = 6 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)
- ANTENNA = CCI HBSA-M65R-KU-H6
WIND AREA = 6.5 SQ.FT.
WEIGHT = 44.5 LBS
DIMENSIONS = 68.1" (H) x 13.7" (W) x 8.5" (D)
- ANTENNA = CCI HBSA-M65R-KU-H6
WIND AREA = 6.5 SQ.FT.
WEIGHT = 45.6 LBS
DIMENSIONS = 68.1" (H) x 13.7" (W) x 8.5" (D)

4 HEX ANTENNA SPEC
3/4"=1'-0"

RF SCHEDULE									
SECTOR	ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.	
A L F A	A1	QS6656-3	30° ± 140'-0"	(1) RRUI1 (1) RRU32	N/A	± 170'	± N/A	TRUNK 1	
	A2	QS6658-3	30° ± 140'-0"	(2) RRUI1 (1) RRU32	N/A	± 170'	± N/A	TRUNK 1	
	A3	HBSA-M65R-KU-H6	30° ± 150'-0"	(1) RRU32	N/A	± 180'	± N/A	TRUNK 4	
	A4	HBSA-M65R-KU-H6	30° ± 150'-0"	(1) RRU32	N/A	± 180'	± N/A	TRUNK 4	
B E T A	B1	QS6656-3	270° ± 140'-0"	(1) RRUI1 (1) RRU32	N/A	± 170'	± N/A	TRUNK 2	
	B2	QS6658-3	270° ± 140'-0"	(2) RRUI1 (1) RRU32	N/A	± 170'	± N/A	TRUNK 2	
	B3	HBSA-M65R-KU-H6	270° ± 150'-0"	(1) RRU32	N/A	± 180'	± N/A	TRUNK 4	
	B4	HBSA-M65R-KU-H6	270° ± 150'-0"	(1) RRU32	N/A	± 180'	± N/A	TRUNK 4	
G A M M A	C1	QS6656-3	150° ± 140'-0"	(1) RRUI1 (1) RRU32	N/A	± 170'	± N/A	TRUNK 3	
	C2	QS6658-3	150° ± 140'-0"	(2) RRUI1 (1) RRU32	N/A	± 170'	± N/A	TRUNK 3	
	C3	HBSA-M65R-KU-H6	150° ± 150'-0"	(1) RRU32	N/A	± 180'	± N/A	TRUNK 4	
	C4	HBSA-M65R-KU-H6	150° ± 150'-0"	(1) RRU32	N/A	± 180'	± N/A	TRUNK 4	

5 RF SCHEDULE
NOT TO SCALE

RF DATA SHEET v1.00.01 DATED 05/16/17



6 ENLARGED ANTENNA PLAN
1/2"=1'-0"

SITE TYPE: MONOPINE

Issued For:
PLEASANT VALLEY
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2600 Camino Ramon, 4W850 N
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: CVL03180
PROJECT NO: 13787610
DRAWN BY: CES
CHECKED BY: CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE

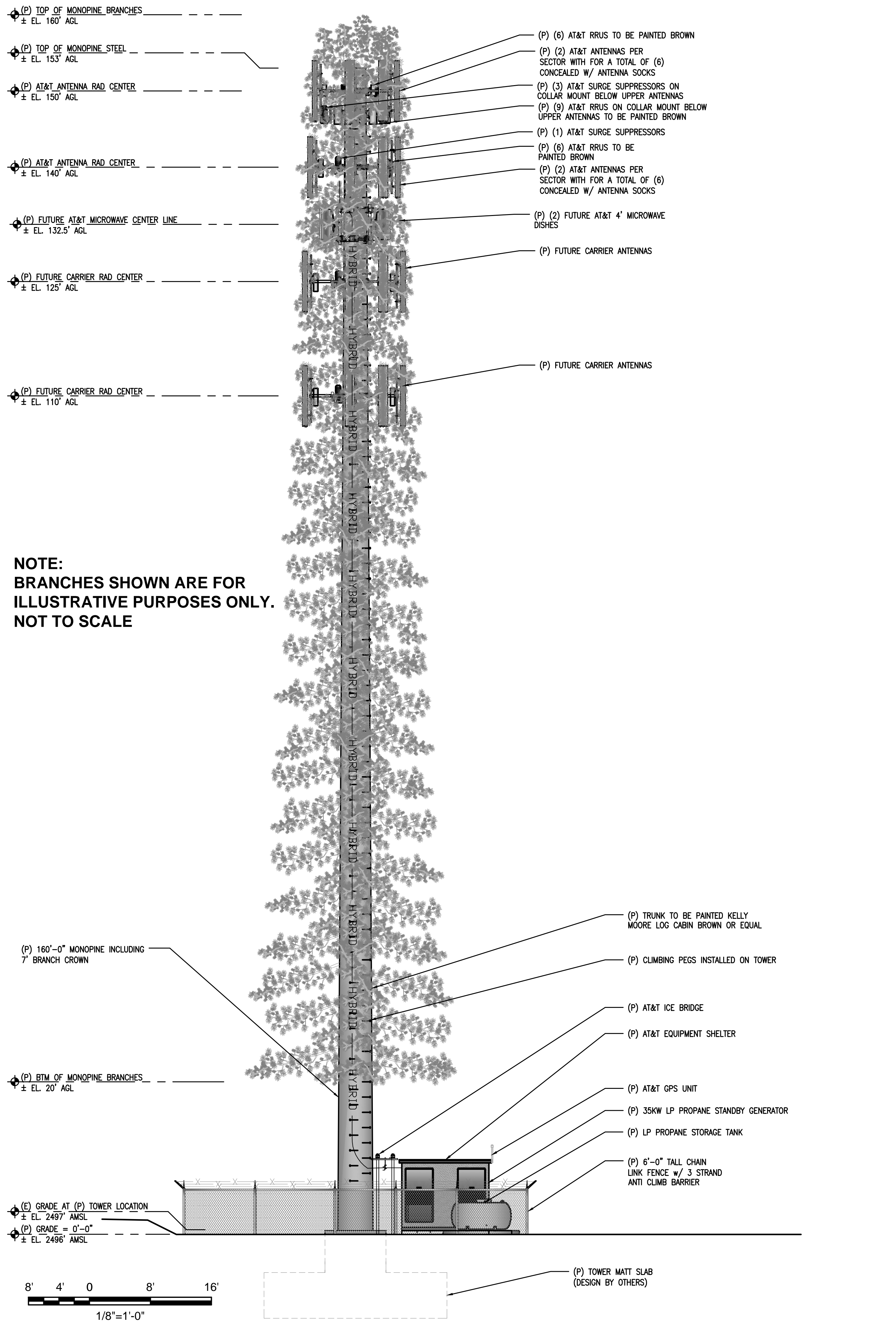
Licensor:
CRAIG M. HORNER
No. 84674
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
CIVIL

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

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

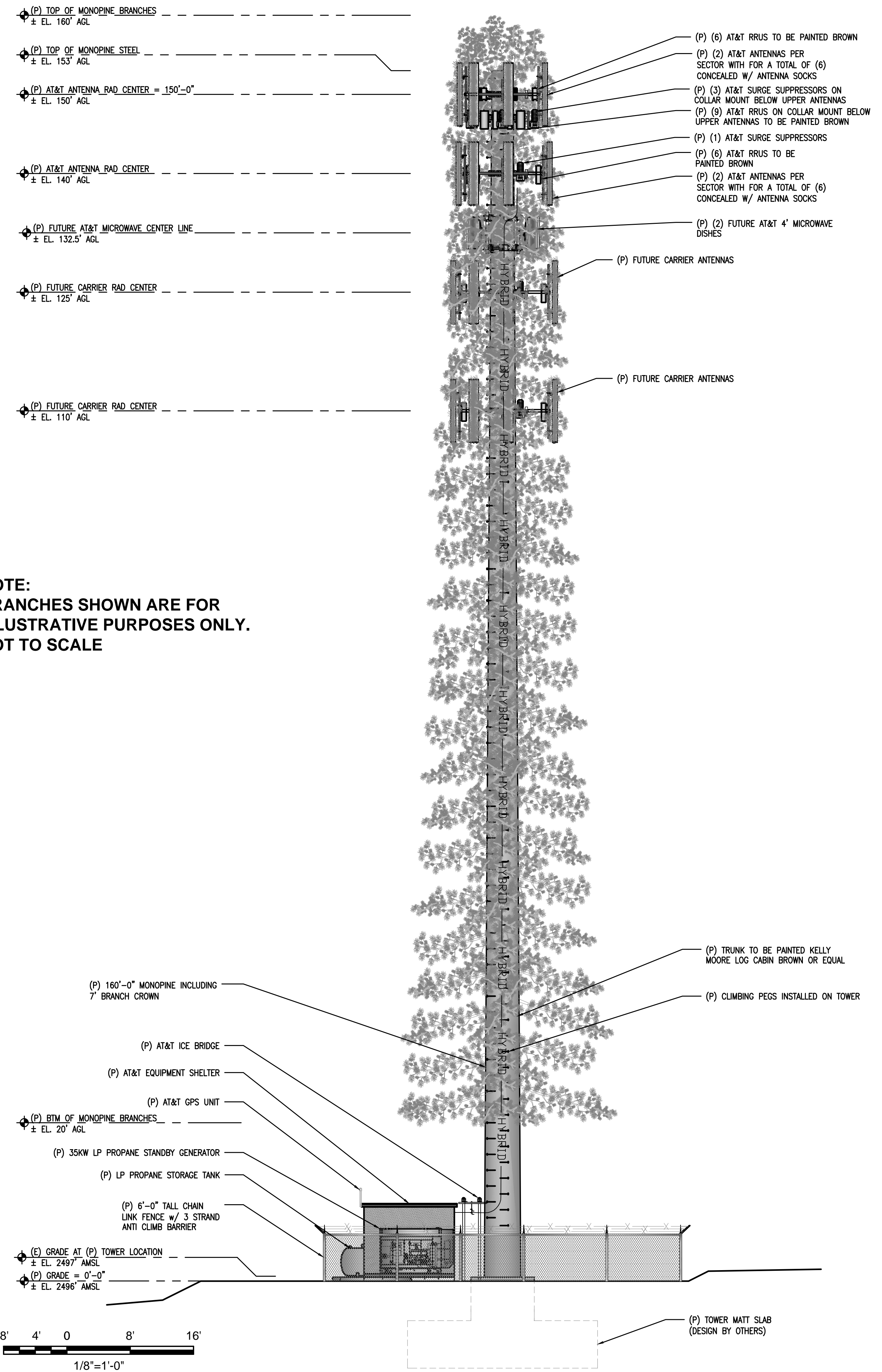
SHEET TITLE:
ANTENNA PLAN & DETAILS

SHEET NUMBER:
A-3



NOTE:
BRANCHES SHOWN ARE FOR
ILLUSTRATIVE PURPOSES ONLY.
NOT TO SCALE

1 PROPOSED NORTH ELEVATION
1/8"=1'-0"



NOTE:
BRANCHES SHOWN ARE FOR
ILLUSTRATIVE PURPOSES ONLY.
NOT TO SCALE

2 PROPOSED SOUTH ELEVATION
1/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:
PLEASANT VALLEY
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2600 Camino Ramon, 4W850 N
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: CVL03180
PROJECT NO: 13787610
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REV	DATE	DESCRIPTION
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Licensors:

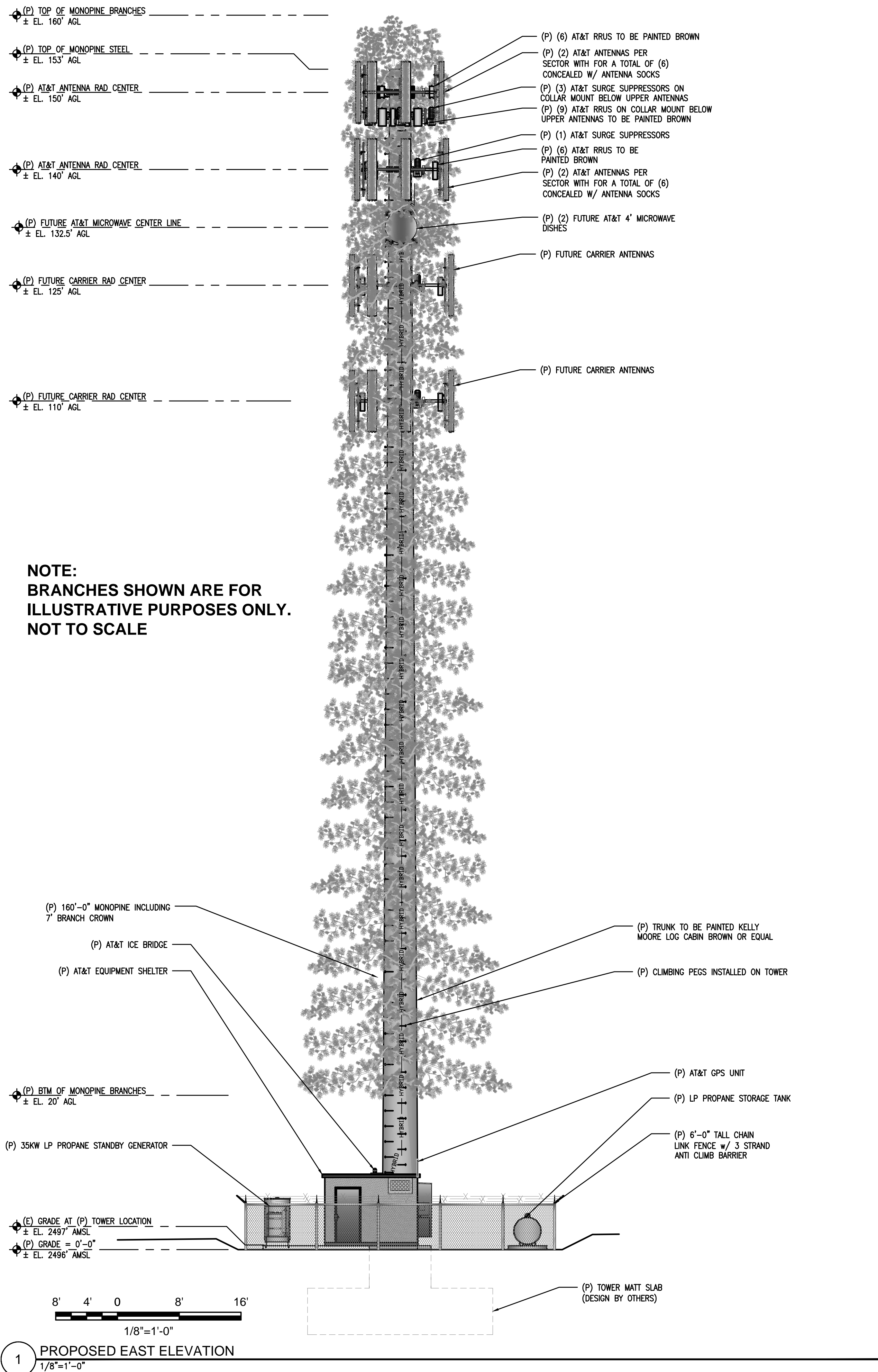
REGISTERED PROFESSIONAL ENGINEER
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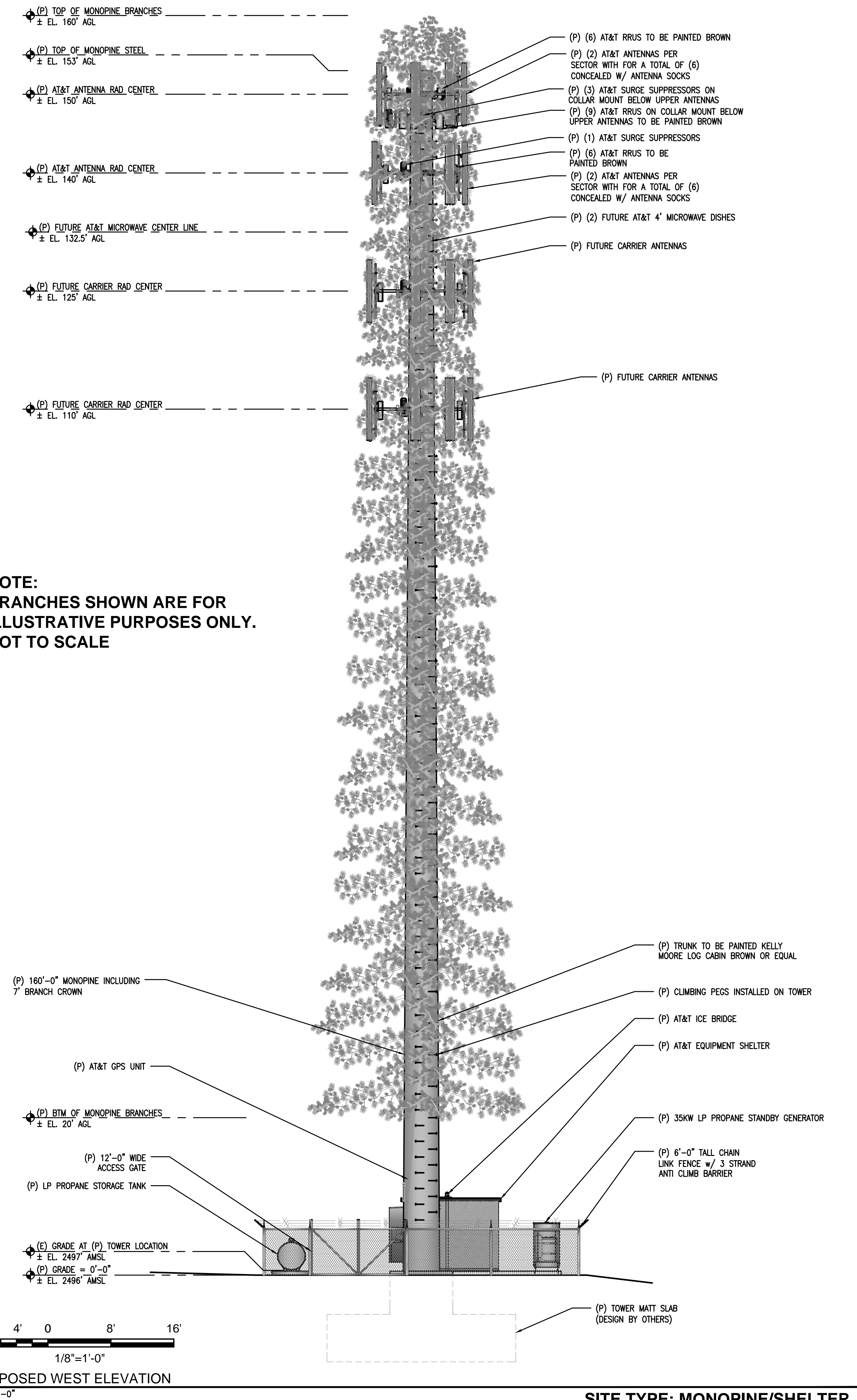
SHEET TITLE:
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4.1



NOTE:
BRANCHES SHOWN ARE FOR
ILLUSTRATIVE PURPOSES ONLY.
NOT TO SCALE

1 PROPOSED EAST ELEVATION
1/8"=1'-0"

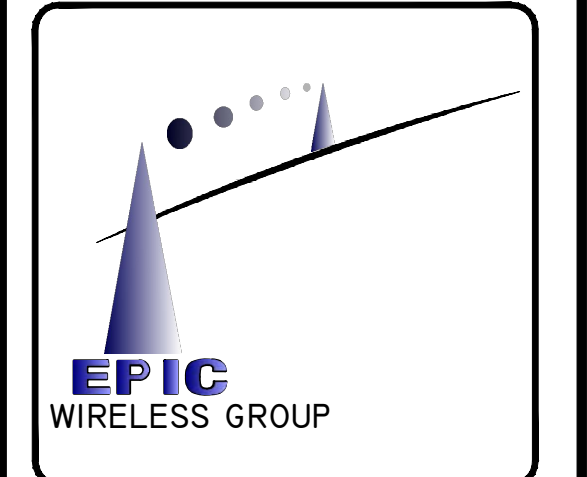


NOTE:
BRANCHES SHOWN ARE FOR
ILLUSTRATIVE PURPOSES ONLY.
NOT TO SCALE

2 PROPOSED WEST ELEVATION
1/8"=1'-0"

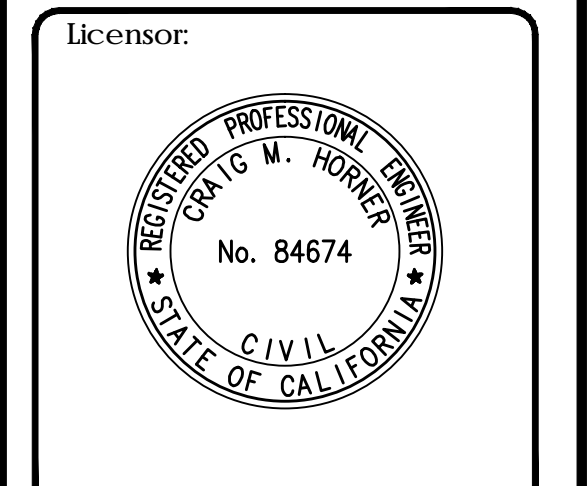
SITE TYPE: MONOPINE/SHELTER

Issued For:
PLEASANT VALLEY
4559 STRAUSS DRIVE
PLACERVILLE, CA 95667



AT&T SITE NO:	CVL03180
PROJECT NO:	13787610
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	07/05/17	ZD 90%
1	08/03/17	ZD 100% SHELTER CHANGE



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Engineer:
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Craig Horner, PE 84674
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3112 LEATHA WAY
SACRAMENTO, CA 95821
craighorner@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

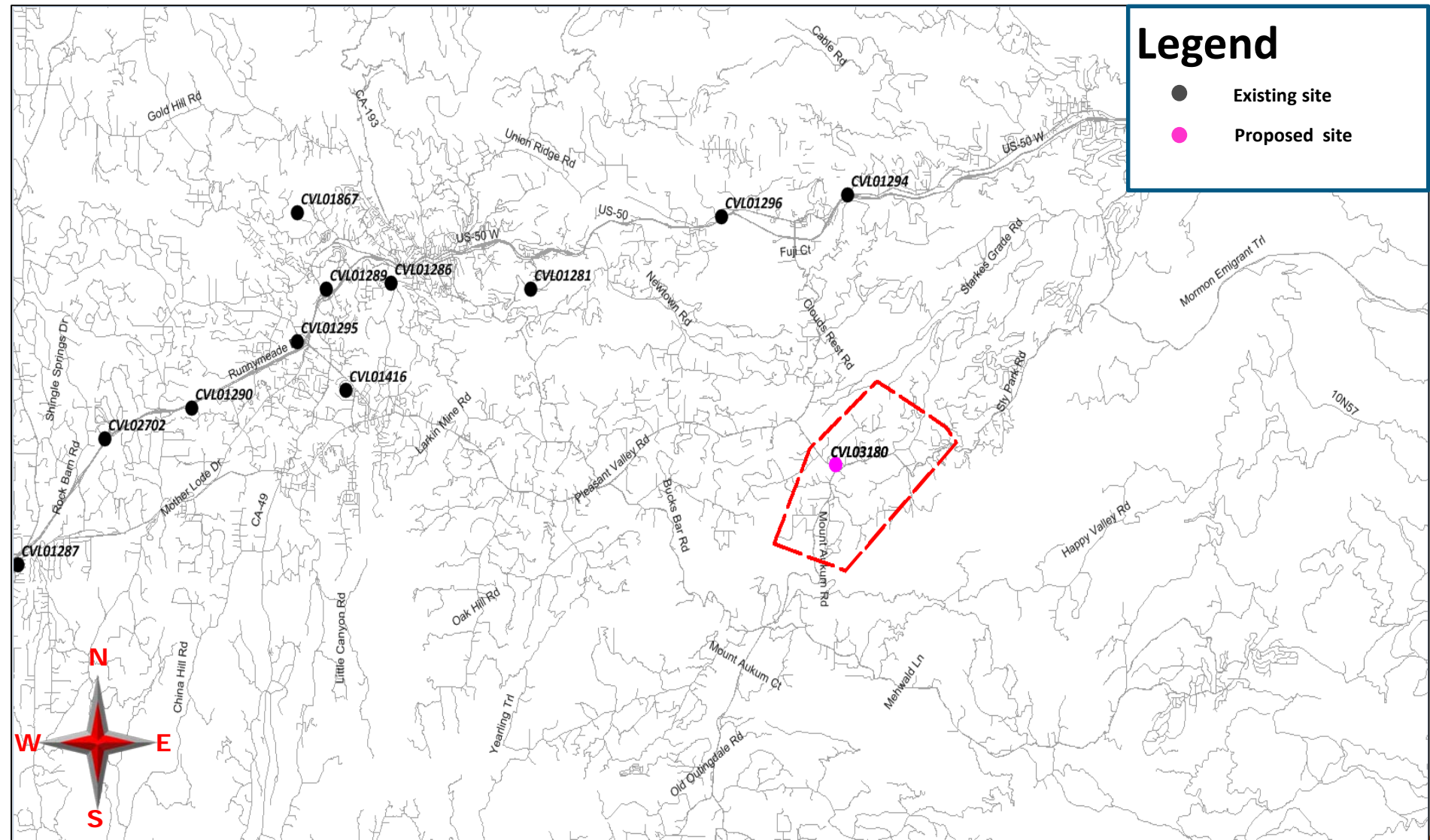
CVL03180 Zoning Propagation Map

July 24th , 2017

Attachment 2
Site 3 Pleasant Valley

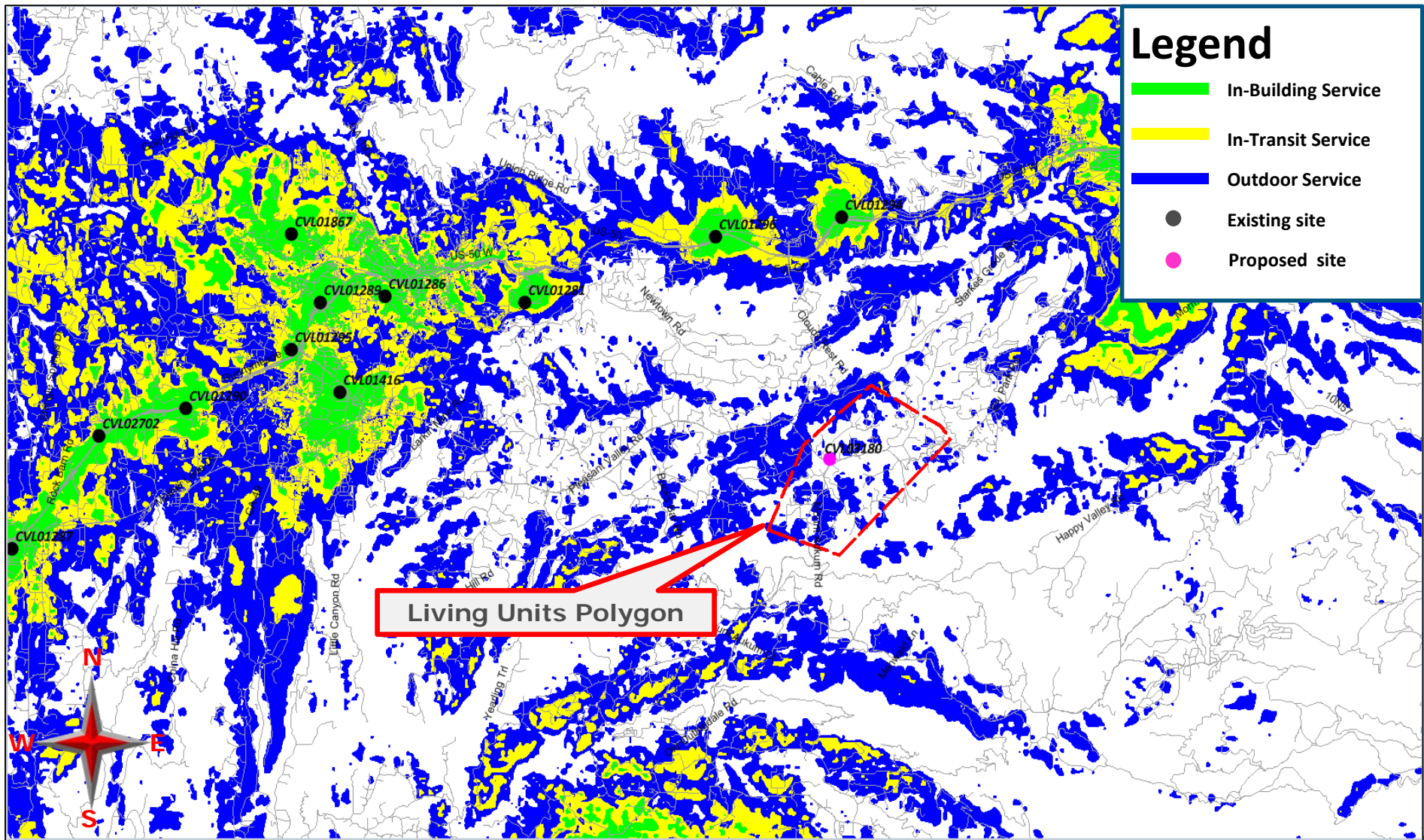


Street View With Existing and Proposed Site





Existing LTE 700 Coverage



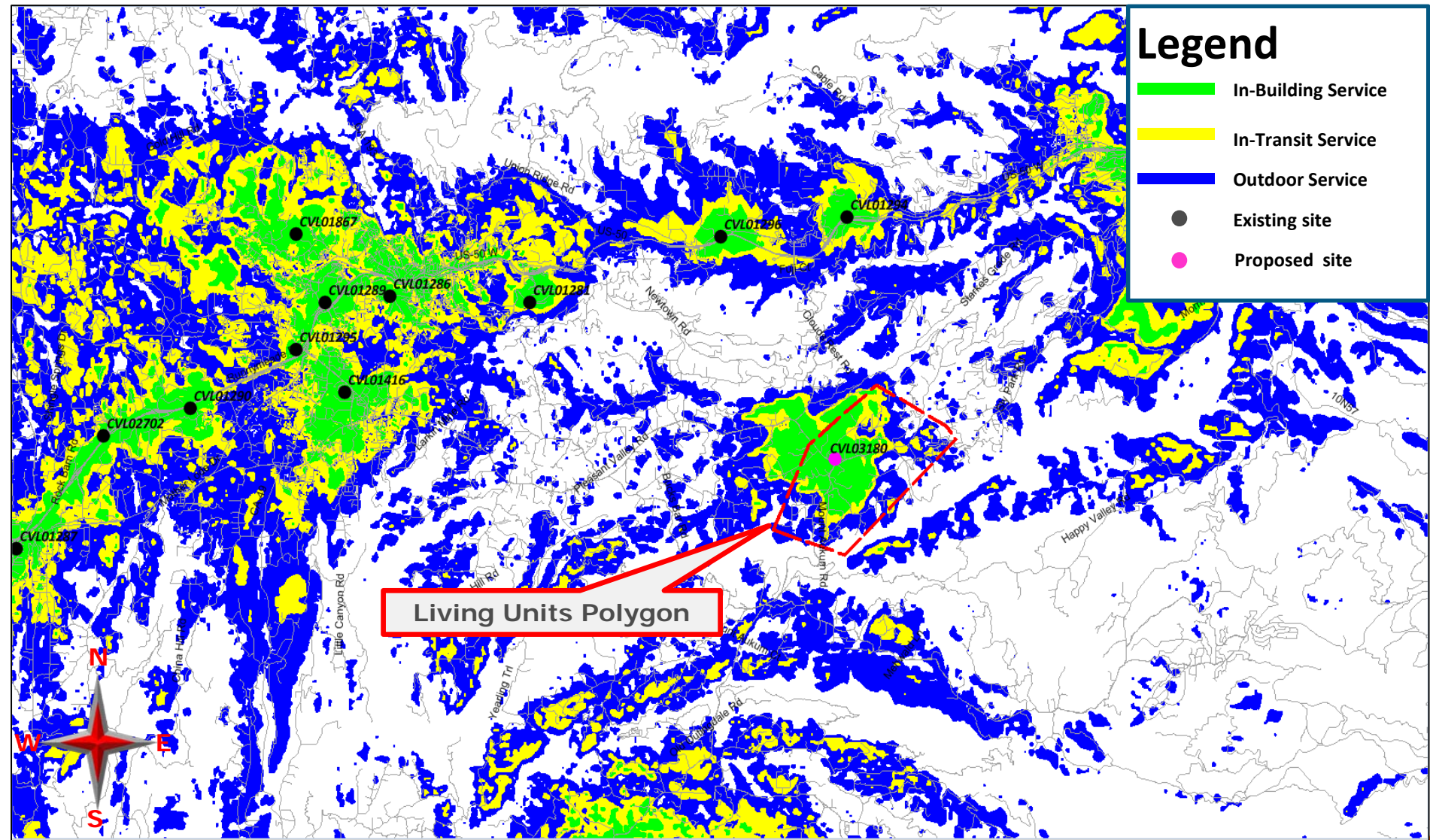
Legend

- █ In-Building Service
- █ In-Transit Service
- █ Outdoor Service
- Existing site
- Proposed site

Living Units Polygon



Existing LTE 700 Coverage With CVL03180 @ RC – 150ft Supports 255 LU's





on Behalf of



Search Ring's Description and Objectives:



AT&T Mobility is proposing to build and maintain an unmanned wireless telecommunication facility consisting of a 40' x 45', 1,800 square foot enclosed compound (lease area). The compound will include a 160 foot Stealth Monopine tower, one equipment shelter, one 35kw standby propane generator, and one 500 gallon propane tank. This facility will be located at 4559 Strauss Drive, Placerville, within El Dorado County's jurisdiction in a 2 acre R2A zone. The site is approximately 750 feet north-west of Clear Creek and the area consists of large oak trees, "evergreen" trees, and rolling hills with rocky terrain.

AT&T's objective for the Pleasant Valley site is to provide wireless hi-speed broadband internet to a minimum of 255 LU's and cellular services to the nearby residences. This site is to provide hi-speed internet and enhanced cellular coverage & capacity to the surrounding communities. The site location's elevation is approximately 2,538 feet while the surrounding community's elevation averages around 2,450 feet, giving the homes within the surrounding communities great potential for line of site to the tower. After running a coverage simulation at the site location, AT&T is anticipating meeting their FCC objective for this search ring by covering approximately 255 homes.

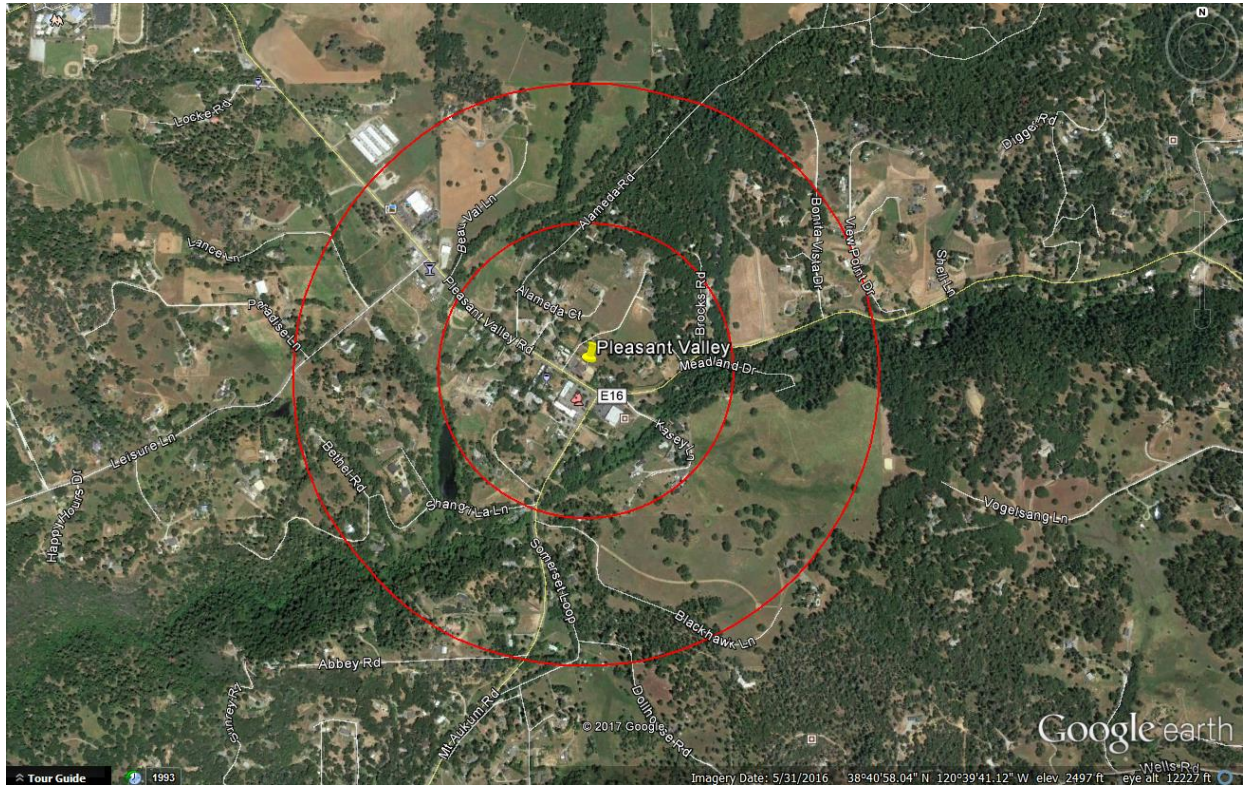
**Attachment 3
Site 3 Pleasant Valley**



on Behalf of



Potential Co-locations:



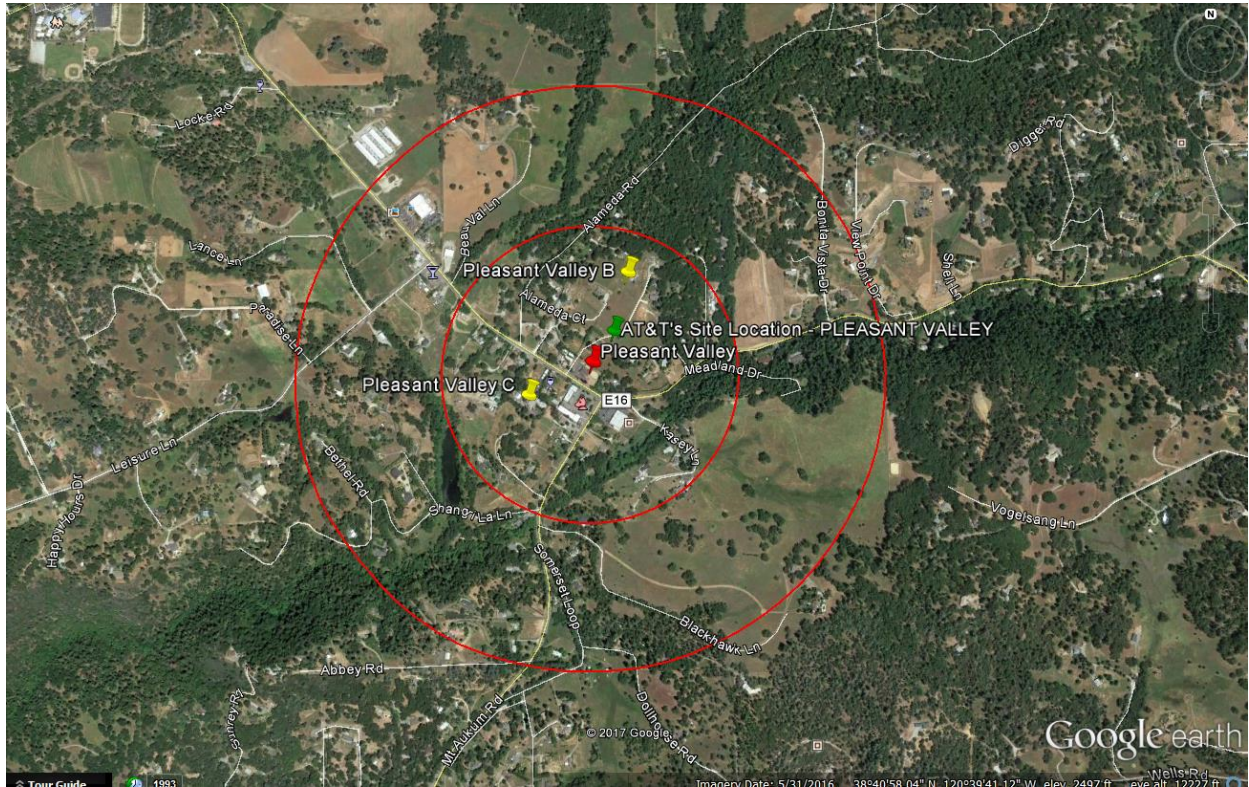
There are no potential Co-location opportunities in the near vicinity of the provided Search Ring. The targeted area is a relatively low populated area, therefore, typical cellular services are less prone to be present.



on Behalf of



Alternative Site Analysis pursuant to 17.14.210 (B) (1):



Above is a map showing the Search Ring (center is the red pin), Proposed Site (green pin) and the two alternative sites (yellow pins) that were considered for placement of the telecommunications facility. Each Alternative Site is discussed below:



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Pleasant Valley Alternative Candidate B:

4500 Strauss Drive, Placerville, CA 95667

Latitude/Longitude: 38.685616, -120.661565

Proposal – New Tower



Considerations:

Candidate B is located approximately 875 feet north-east of the center of AT&T's search ring. The proposed tower would be located on a 6.7 acre, R2A zoned property owned by Miklos Nemeth. The property is located on the north side of Pleasant Valley Road and the site was proposed in the center of the property. Candidate B was chosen as AT&T's second preferred candidate as the RF Engineer's simulation yielded fewer LU's than the subject site located at 4559 Strauss Drive.



on Behalf of



Pleasant Valley Alternative Candidate C:

4546 Pleasant Valley Road, Placerville, CA 95667

Latitude/Longitude: 38.682625, -120.664595

Proposal – New Tower



Considerations:

Candidate C is located approximately 640 feet south-west of the center of AT&T's search ring. The proposed tower would be located on a 1.07 acre, R2A zoned property owned by Dennis and Laurel Nystrom. The property is located on the south side of Pleasant Valley Road and the site was proposed on the south-west of the property. Candidate C was chosen as AT&T's third preferred candidate as the RF Engineer's simulation yielded fewer LU's than the subject site located at 4559 Strauss Drive.



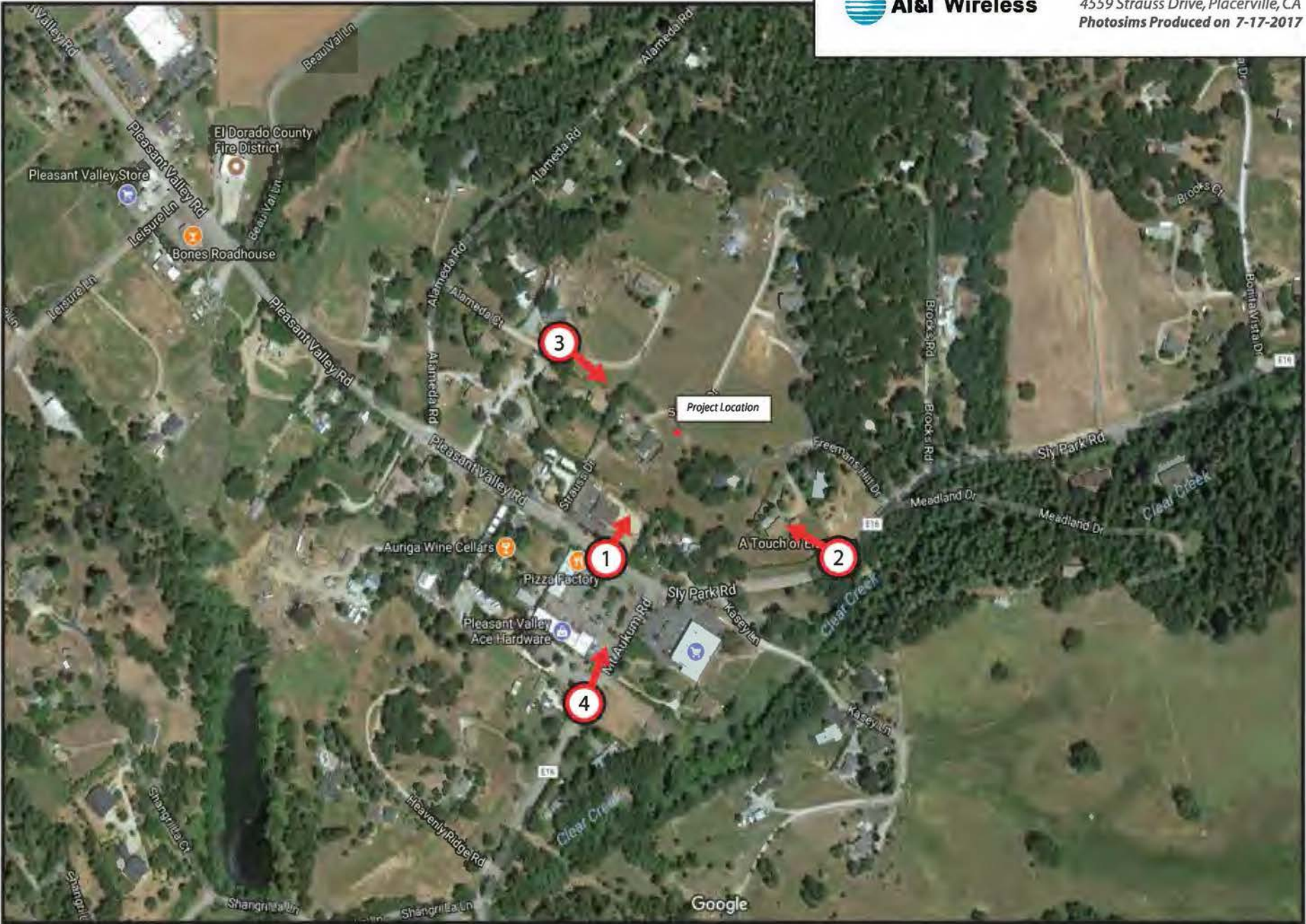
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Actual View of the Proposed Location:

The proposed lease area is located on the north end of the property. The site will not interfere with the existing use of the property. Access will be directly off of Pleasant Valley Road and Strauss Drive. The site is elevated above the surrounding area and has great potential for line of site to the communities down below the subject parcel.





Attachment 4
Site 3 Pleasant Valley

Existing



Proposed



view from Pleasant Valley Road looking northeast at site



CVL03180 Pleasant Valley
4559 Strauss Drive, Placerville, CA
Photosims Produced on 7-17-2017

Existing



Proposed



view from Sly Park Road looking northwest at site



CVL03180 Pleasant Valley
4559 Strauss Drive, Placerville, CA
Photosims Produced on 7-17-2017

Existing



Proposed



view from Alameda Court looking southeast at site

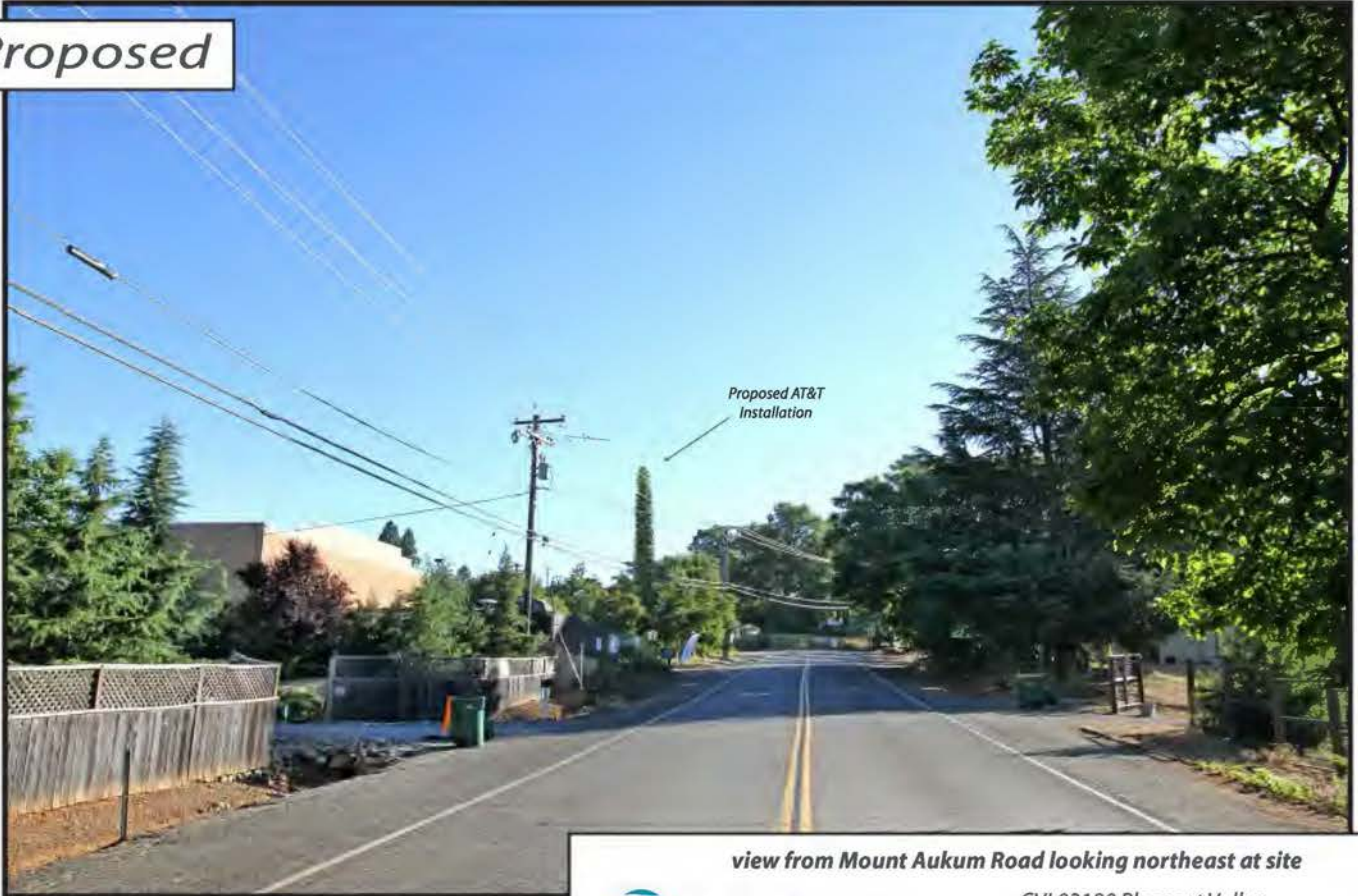


CVL03180 Pleasant Valley
4559 Strauss Drive, Placerville, CA
Photosims Produced on 7-17-2017

Existing



Proposed



view from Mount Aukum Road looking northeast at site



CVL03180 Pleasant Valley
4559 Strauss Drive, Placerville, CA
Photosims Produced on 7-17-2017



on Behalf of



Sound Specifications:

- Emergency Generator Model: SG035 Generac
 - Average decibel (dBA) level at 23 feet = 64.9 dBA
- HVAC Model: ASDCA48
 - Average decibel (dBA) level at 50 feet = 57 dBA

Sound Specifications while taking the Proposed Sound Blanket into consideration:

- Emergency Generator Model: SG035 Generac
 - Average decibel (dBA) level at 23 feet = 58.11 dBA
- HVAC Model: ASDCA48
 - Average decibel (dBA) level at 50 feet = 46.36 dB

Findings:

1. Distance to the Property Line of APN 078-180-29 = 30'
 - a. Generator Decibel level at 30' = 55.8 dBA
 - b. HVAC Decibel level at 30' = 50 dBA
2. Distance to the Property Line of APN 078-180-26 = 59'+/-
 - a. Generator Decibel level at 59' = 49.93 dBA
 - b. HVAC Decibel level at 59' = 44.95 dBA
3. Distance to Residence of APN 078-180-26 = 220'
 - a. Generator Decibel level at 220' = 38.5 dBA
 - b. HVAC Decibel level at 220' = 33.49 dBA

Conclusion:

After calculating all decibel levels at each nearby property line and residence, the onsite Emergency Backup Generator and HVAC systems are within El Dorado County’s noise level standards according to El Dorado County Title 130 Zoning and Noise Ordinance, Chapter 130.37 – Noise Standards.

Table 1 – Eldorado County Table 130.37.060.1
 Noise Level Performance Standards for Noise Sensitive Land Uses
 Affected by Non-Transportation Sources

Noise Level Descriptor	Daytime 7 a.m. – 7 p.m.		Evening 7 p.m. – 10 p.m.		Night 10 p.m. – 7 a.m.	
	Community / Rural Centers	Rural Regions	Community / Rural Centers	Rural Regions	Community / Rural Centers	Rural Regions
Hourly Leq, dBA	55	50	50	45	45	40
Maximum Level, dBA	70	60	60	55	55	50



Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Pleasant Valley-C	Site Structure Type: Monopine
Address: 4559 Strauss Drive Placerville, CA	Latitude: 38.68417
Report Date: July 21, 2017	Longitude: -120.661996
	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Pleasant Valley-C site located at 4559 Strauss Drive, Placerville, CA. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

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

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

f=Frequency (MHz)

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

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any particular location given the spatial orientation and operating parameters of multiple RF sources. These theoretical results represent worst-case predictions as emitters are assumed to be operating at 100% duty cycle.

Attachment 6 Site 3 Pleasant Valley

For any area in excess of 100% General Population MPE, access controls with appropriate RF alerting signage must be put in place and maintained to restrict access to authorized personnel. Signage must be posted to be visible upon approach from any direction to provide notification of potential conditions within these areas. Subject to other site security requirements, occupational personnel should be trained in RF safety and equipped with personal protective equipment (e.g. RF personal monitor) designed for safe work in the vicinity of RF emitters. Controls such as physical barriers to entry imposed by locked doors, hatches and ladders or other access control mechanisms may be supplemented by alarms that alert the individual and notify site management of a breach in access control. Waterford Consultants, LLC recommends that any work activity in these designated areas or in front of any transmitting antennas be coordinated with all wireless tenants.

Analysis

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

- Install twelve (12) new panel antennas, four (4) per alpha, beta, gamma sector
- Install twenty-one (21) new RRUS remote radio heads

The antennas will be mounted on a 160-foot Monopine with centerlines at 150 and 140 feet above ground level. The antennas will be oriented toward 30, 150 and 270 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 25,997 Watts. Other appurtenances such as RRUs and hybrid cable are not sources of RF emissions. From this site, AT&T Mobility will enhance voice and data services to surrounding areas in licensed 700, 850, 1900, 2100 and 2300 MHz bands. No other antennas are known to be operating in the vicinity of this site.

Power density decreases significantly with distance from any antenna. The panel-type antennas to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serve to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at ground level, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.4700% of the FCC General Population limits (0.0940% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.6665% of the FCC General Population limits (0.1333% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Waterford Consultants, LLC recommends posting contact information signage at the gate that informs personnel entering the site of basic precautions to be followed when working around antennas. RF alerting signage (Caution) should be posted at the base of the proposed Monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

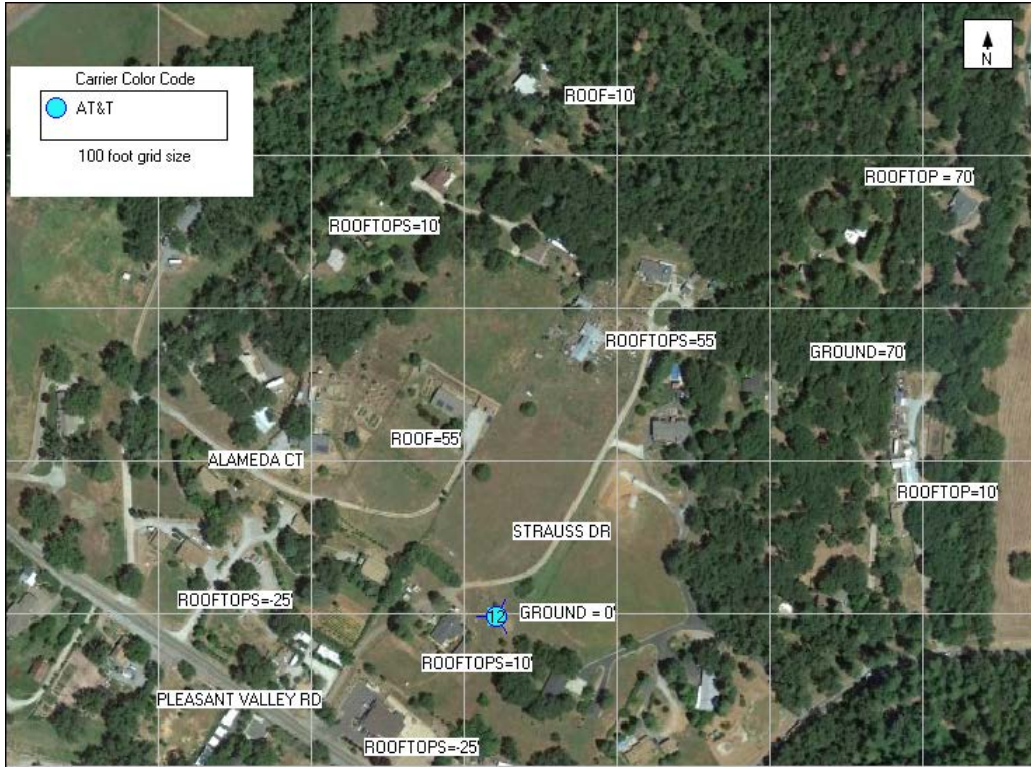


Figure 1: Antenna Locations

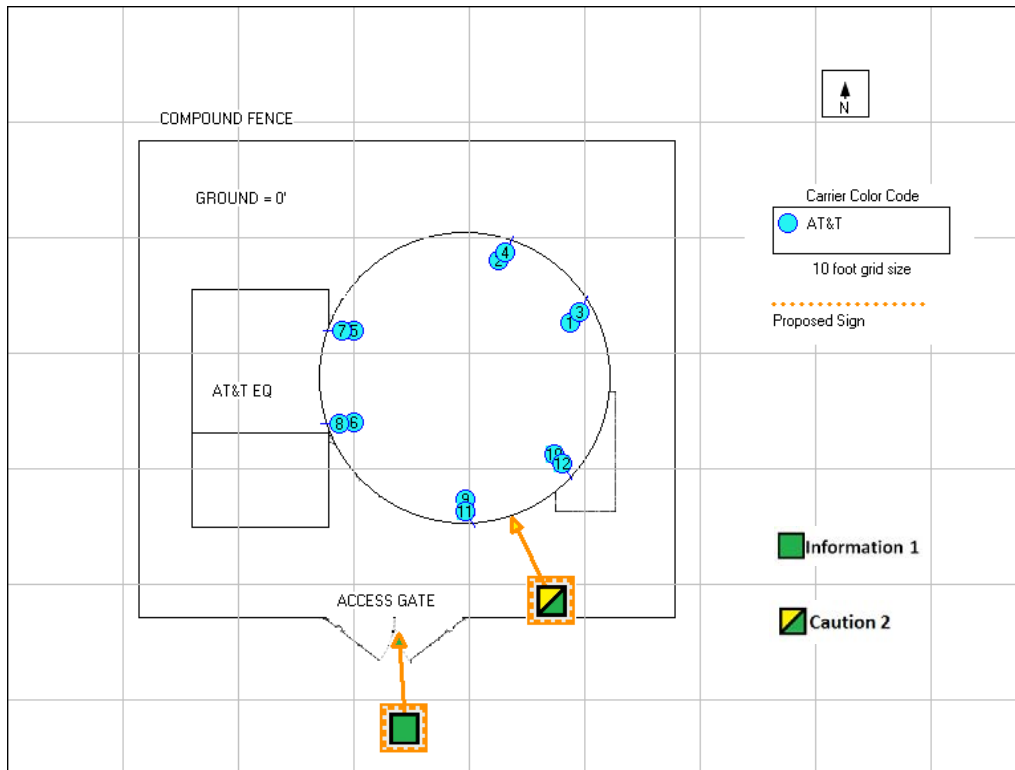


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 4559 Strauss Drive, Placerville, CA will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the Monopine to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

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

