



SITE NUMBER: CVL03629
 SITE NAME: ZEE ESTATES

GATE LANE 1,000' SOUTH EAST OF
 THE INTERSECTION OF GATE LANE
 AND SALMON FALLS ROAD
 PILOT HILL, CA 95664
 APN: 104-370-24-100

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:

5001 EXECUTIVE PKWY
 SAN RAMON, CA 94583

PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX
<p>APPLICANT: AT&T MOBILITY 5001 EXECUTIVE PKWY SAN RAMON, CA 94583</p> <p>CONSTRUCTION MANAGER: PETE MANAS EPIC WIRELESS 8700 AUBURN FOLSOM ROAD, SUITE 400 GRANITE BAY, CA 95746 (530) 383-5957</p> <p>SITE SURVEY: GEIL ENGINEERING 1226 HIGH STREET AUBURN, CA 95603 (530) 885-0426</p> <p>RF ENGINEER: ASAD SCHAHBAZ MS455V@ATT.COM</p> <p>RFDS VERSION/DATE: 1.00.01 / 05-01-17 1.00.02 / 5-22-17</p>	<p>ENGINEERING FIRM: PEEK SITE-COM 12852 EARHART AVE SUITE 101 AUBURN, CA 95602 (530) 885-6160</p> <p>SITE ACQUISITION & PLANNING: JARED KEARSLEY EPIC WIRELESS 8700 AUBURN FOLSOM ROAD, SUITE 400 GRANITE BAY, CA 95746 (916) 755-1326</p> <p>CIVIL VENDOR: VINCULUMS CONSTRUCTION MANAGER KEN ABEL KABEL@VINCULUMS.COM (916) 844-4602</p>	<p>SITE NAME: ZEE ESTATES SITE NUMBER: CVL03629 FA LOCATION#: 13787593</p> <p>SITE ADDRESS: GATE LANE 1,000' SOUTH EAST OF THE INTERSECTION OF GATE LANE AND SALMON FALLS ROAD PILOT HILL, CA 95664</p> <p>ASSESSORS PARCEL NUMBER: 104-370-24-100 LATITUDE: 38.483647° LONGITUDE: -121.011305° ELEVATION: 1,563' AMSL</p> <p>ZONING: LA-10 JURISDICTION: EL DORADO COUNTY COUNTY: EL DORADO</p> <p>PROPERTY OWNER: WOLFE FAMILY TRUST OWNER ADDRESS: 9289 SHADOW BROOK PLACE GRANITE BAY, CA 95746</p>
		<p>T-1 TITLE SHEET GN-1 GENERAL NOTES GN-2 SITE SIGNAGE C-1 SITE SURVEY C-2 SITE SURVEY C-3 EROSION CONTROL PLAN & DETAILS C-4 GRADING NOTES & DETAILS C-5 PRELIMINARY GROUNDING PLAN A-1 OVERALL SITE PLAN A-2 EQUIPMENT PLAN A-3 ANTENNA PLAN & DETAILS A-4 ELEVATIONS A-4.1 ELEVATIONS</p>

PROJECT INFORMATION:

ZEE ESTATES
 GATE LANE 1,000' SOUTH EAST OF THE INTERSECTION OF GATE
 LANE AND SALMON FALLS ROAD
 PILOT HILL, CA 95664

REV: = DATE: = DESCRIPTION: = BY: =

REV	DATE	DESCRIPTION	BY
1	6-29-17	90% ZONING DOC'S	RB
2	8-3-17	90% ZONING DOC'S	ALP
1	8-9-17	100% ZONING DOC'S	ALP

CODE COMPLIANCE	VICINITY MAP	DIRECTIONS FROM AT&T	PROJECT DESCRIPTION
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <ol style="list-style-type: none"> 2016 CALIFORNIA BUILDING CODE 2016 CALIFORNIA FIRE CODE 2016 CALIFORNIA ELECTRICAL CODE 2016 CALIFORNIA PLUMBING CODE 2016 CALIFORNIA MECHANICAL CODE 2016 CALIFORNIA HEALTH AND SAFETY CODE 	<p>SITE LOCATION</p>	<p>DIRECTIONS FROM AT&T'S OFFICE AT 5001 EXECUTIVE PARKWAY, SAN RAMON, CA 94583</p> <ol style="list-style-type: none"> HEAD NORTHEAST ON BISHOP DR TOWARD SUNSET DR TURN RIGHT ONTO SUNSET DR USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD USE THE RIGHT 2 LANES TO MERGE ONTO I-680 N VIA THE RAMP TO SACRAMENTO MERGE ONTO I-680 N KEEP LEFT TO STAY ON I-680 N KEEP LEFT AT THE FORK TO STAY ON I-680 N KEEP LEFT AT THE FORK TO CONTINUE ON I-680 USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO MERGE ONTO I-80 E KEEP LEFT AT THE FORK TO STAY ON I-80 E KEEP LEFT AT THE FORK TO CONTINUE ON I-80BL E/US-50 E/CAPITAL CITY FREEWAY, FOLLOW SIGNS FOR INTERSTATE 80 BUSINESS/SACRAMENTO/SOUTH LAKE TAHOE CONTINUE ONTO US-50 E TAKE EXIT 30B TOWARD EL DORADO HILLS BLVD FOLLOW EL DORADO HILLS BLVD AND SALMON FALLS RD TO GATE LN MERGE ONTO LATROBE RD CONTINUE ONTO EL DORADO HILLS BLVD CONTINUE ONTO SALMON FALLS RD TURN RIGHT ONTO GATE LN 	<p>AT&T PROPOSES TO CONSTRUCT A NEW UNMANNED TELECOMMUNICATIONS FACILITY. AT&T WILL INSTALL:</p> <ul style="list-style-type: none"> (1) NEW 15' WIDE GRAVEL ACCESS ROAD (1) NEW 30'X45' FENCED LEASE AREA (1) NEW 6' CHAIN LINK FENCE (1) NEW 12' WIDE DOUBLE ACCESS GATE (1) NEW 153' MONOPINE (TOP OF BRANCHES AT 160') (1) NEW PRE-FAB "WIC" LIGHT WEIGHT EQUIPMENT SHELTER WITH ANCILLARY INTERIOR EQUIPMENT (1) NEW GPS ANTENNA (1) NEW 35 Kw PROPANE GENERATOR (1) LP PROPANE TANK (500 GALLON) (12) NEW ANTENNAS (6) NEW RRUS-11, (3) NEW RRUS-12, (12) NEW RRUS-32 (4) NEW SURGE SUPPRESSORS (2) FUTURE 4' M/W DISH

COORDINATING ENGINEER:

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

OCCUPANCY & CONST. TYPE	SPECIAL INSPECTIONS	APPROVALS	GENERAL CONTRACTOR NOTES																											
<p>OCCUPANCY: U (UNMANNED) CONSTRUCTION TYPE: V-B</p> <p>ACCESSIBILITY REQUIREMENTS: THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE, CHAPTER 11B, EXCEPTION SECTION 11B-203.5</p>	<p>*SEE SPECIAL INSPECTION FORM</p> <ol style="list-style-type: none"> POST-INSTALLED ANCHORS HIGH STRENGTH BOLTING <p>Attachment 1 Site 6 Zee Estates</p>	<table border="1"> <thead> <tr> <th>APPROVED BY:</th> <th>INITIALS:</th> <th>DATE:</th> </tr> </thead> <tbody> <tr> <td>AT&T:</td> <td></td> <td></td> </tr> <tr> <td>VENDOR:</td> <td></td> <td></td> </tr> <tr> <td>R.F.:</td> <td></td> <td></td> </tr> <tr> <td>LEASING/LANDLORD:</td> <td></td> <td></td> </tr> <tr> <td>ZONING:</td> <td></td> <td></td> </tr> <tr> <td>CONSTRUCTION:</td> <td></td> <td></td> </tr> <tr> <td>POWER/TELCO:</td> <td></td> <td></td> </tr> <tr> <td>PG&E:</td> <td></td> <td></td> </tr> </tbody> </table>	APPROVED BY:	INITIALS:	DATE:	AT&T:			VENDOR:			R.F.:			LEASING/LANDLORD:			ZONING:			CONSTRUCTION:			POWER/TELCO:			PG&E:			<p>DO NOT SCALE DRAWINGS</p> <p>THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE 24"X36". 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.</p>
APPROVED BY:	INITIALS:	DATE:																												
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SEAL:

SITE #:	CHK.:	DRAWN BY:
CVL03629	...	RB

SHEET TITLE:

TITLE SHEET

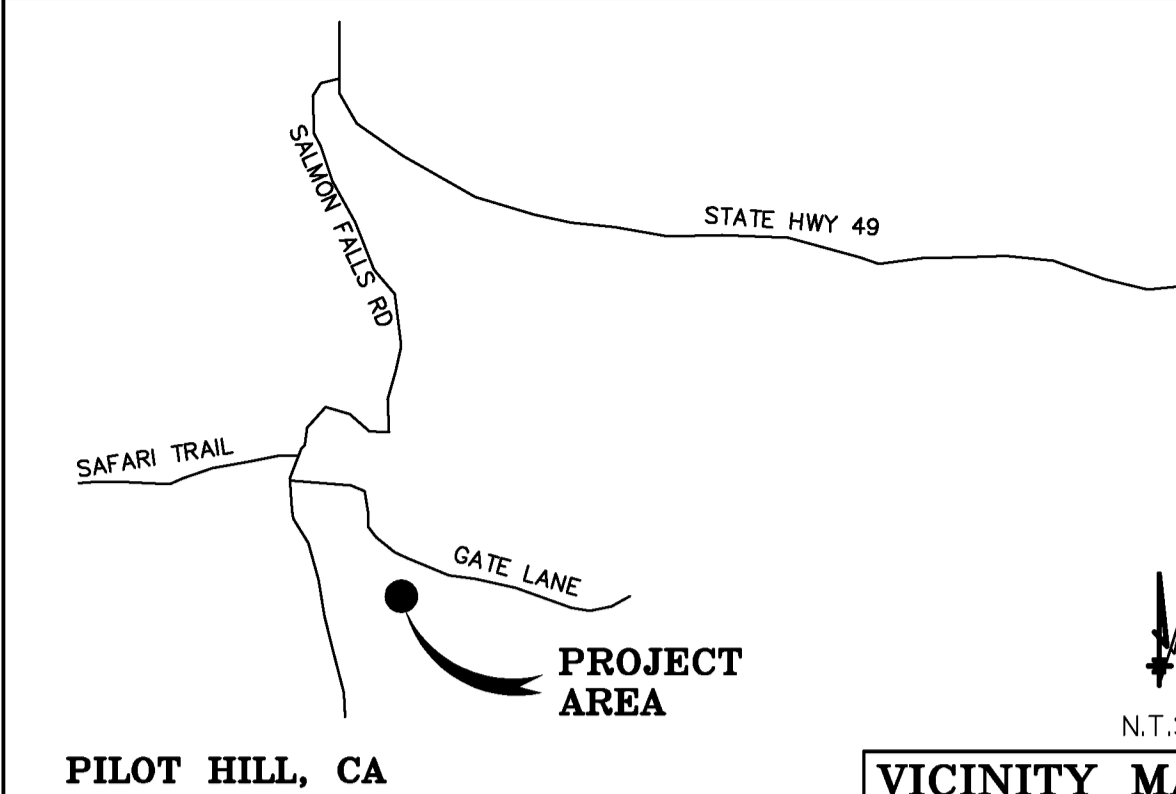
SHEET NUMBER: **T-1** REVISION: **0**

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.

DATE OF SURVEY: 04-17-17
 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 2.62' FROM ELEVATIONS SHOWN.
 CONTOUR INTERVAL: 1'
 CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.
 ASSESSOR'S PARCEL NUMBER: 104-370-24-100
 OWNER(S): WOLFE FAMILY TRUST
 9289 SHADOW BROOK PLACE
 GRANITE BAY, CA 95746

Lease Area Description
 All that certain lease area being a portion of the North 1/2 of Lot 7 as is shown on that certain Parcel Map filed for record at Book 13 of Parcel Maps, Page 106, El Dorado County Records, located in the County of El Dorado, State of California, and being a portion of Section 18, Township 11 N., Range 9 E., M.D.B. & M, and being more particularly described as follows:
 Commencing at a 1-1/2" Capped Iron Pipe monument set at the Northeast corner of Parcel B as is shown on that certain Parcel Map filed for record at Book 21 of Parcel Maps at Page 34, Official Records of El Dorado County, from which a similar monument set West 442.06 feet from the Southeast corner of said parcel bears South 26°22'17" West 998.99 feet; thence from said point of commencement North 09°35'24" East 320.91 feet to the True Point of Beginning; thence from said True Point of Beginning North 46°36'50" East 45.00 feet; thence North 43°23'10" West 30.00 feet; thence South 46°36'50" West 45.00 feet; thence South 43°23'10" East 30.00 feet to the point of beginning.
 Together with a non-exclusive easement for access and utility purposes fifteen feet in width the centerline of which is described as follows: beginning at a point which bears South 43°23'10" East 7.50 feet from the Southeast corner of the above described lease area and running thence South 46°36'50" West 27.43 feet; thence through a tangent curve to the left having a radius of 20.00 feet through an arc distance of 31.20 feet; thence South 42°46'14" East 46.11 feet; thence through a tangent curve to the left having a radius of 20.00 feet through an arc distance of 27.54 feet; thence North 58°20'12" East 34.31 feet; thence through a tangent curve to the right having a radius of 30.00 feet through an arc distance of 3.53 feet; thence North 65°04'17" East 25.36 feet; thence through a tangent curve to the left having a radius of 30.00 feet through an arc distance of 10.13 feet; thence North 45°43'15" East 32.48 feet to a point on the centerline of the road commonly known as "Gate Lane" and running thence over and across said Lane as is shown hereon to the public right of way more commonly known as Salmon Falls Road.

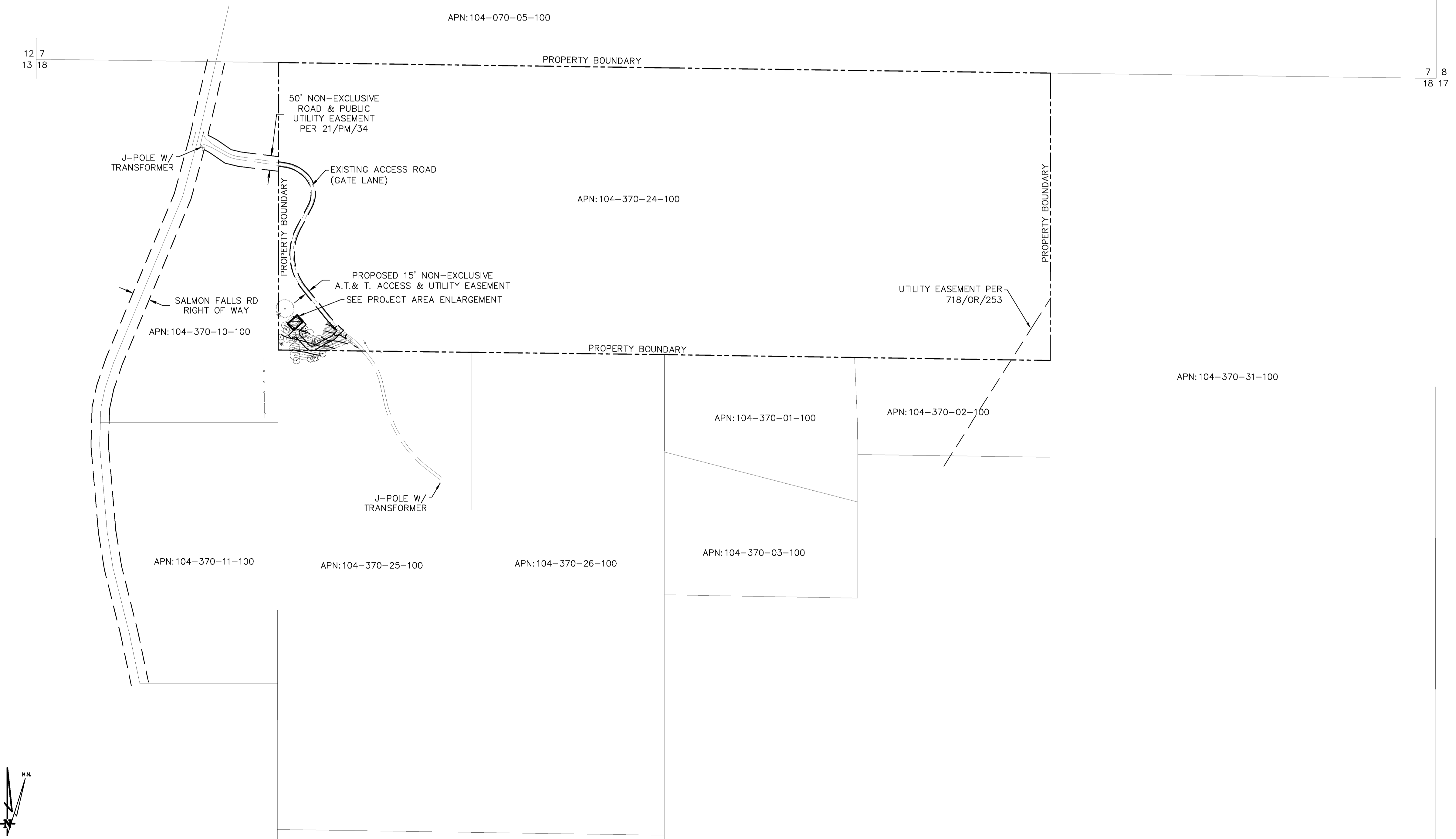


PILOT HILL, CA VICINITY MAP
 Geil Engineering
 Engineering * Surveying * Planning
 1226 High Street
 Auburn, California 95603-5015
 Phone: (530) 885-0426 * Fax: (530) 823-1309

A.T. & T. Mobility
 Project No./Name: CVL03629 / ZEE ESTATES
 Project Site Location: Gate Lane 1,000' South East of the Intersection of Gate Lane and Salmon Falls Road
 Pilot Hill, CA 95664
 El Dorado County
 Date of Observation: 04-17-17
 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° 48' 36.47" (NAD83) N 38° 48' 36.83" (NAD27)
 Longitude: W 121° 01' 13.05" (NAD83) W 121° 01' 09.25" (NAD27)
 ELEVATION of Ground at Structure (NAVD88) 1563' 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

DEPT	APPROVED	DATE
ARC		
RE		
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



SCALE 1" = 200'

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 GATE LANE 1,000' SOUTH EAST OF THE INTERSECTION OF GATE LANE AND SALMON FALLS ROAD
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 PLOT PLAN AND SITE TOPOGRAPHY

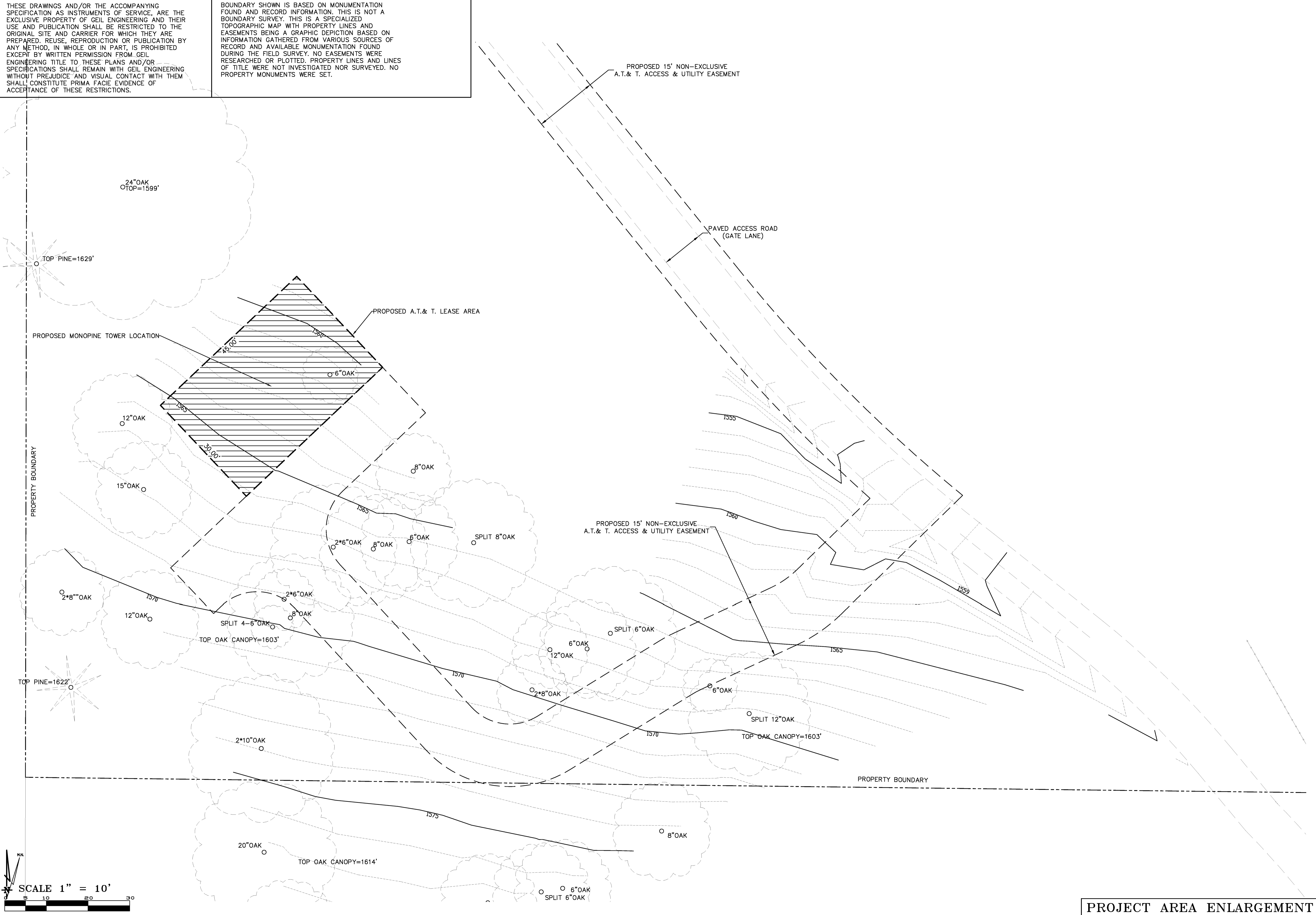
REVISIONS	PRELIMINARY DRAWING
REV 04-18-17 N. ROIDE	
REV 05-08-17 N. ROIDE	LEASE AREA DELETED
REV 08-18-17 N. ROIDE	ADDRESS CHANGE
REV	
REV	

Sheet
C-1

OVERALL SITE PLAN

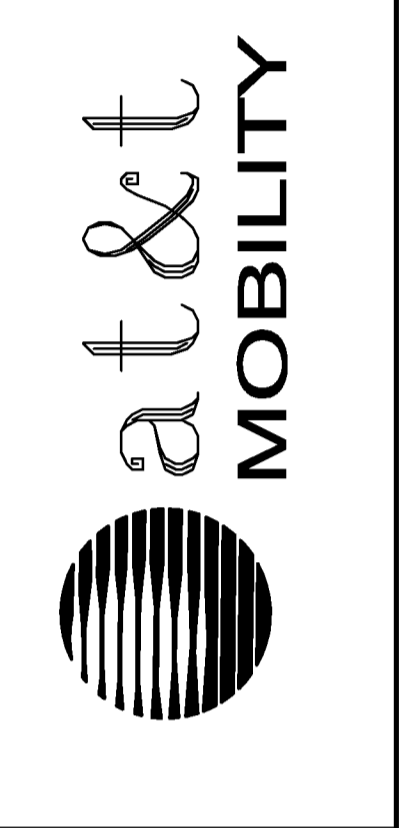
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DEPT	APPROVED	DATE
ARC		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor
GEIL ENGINEERING
 ENGINEERING • SURVEYING • PLANNING
 1226 HIGH STREET
 AUBURN, CALIFORNIA 96905
 Phone: (530) 885-1886
 Fax: (530) 885-1806

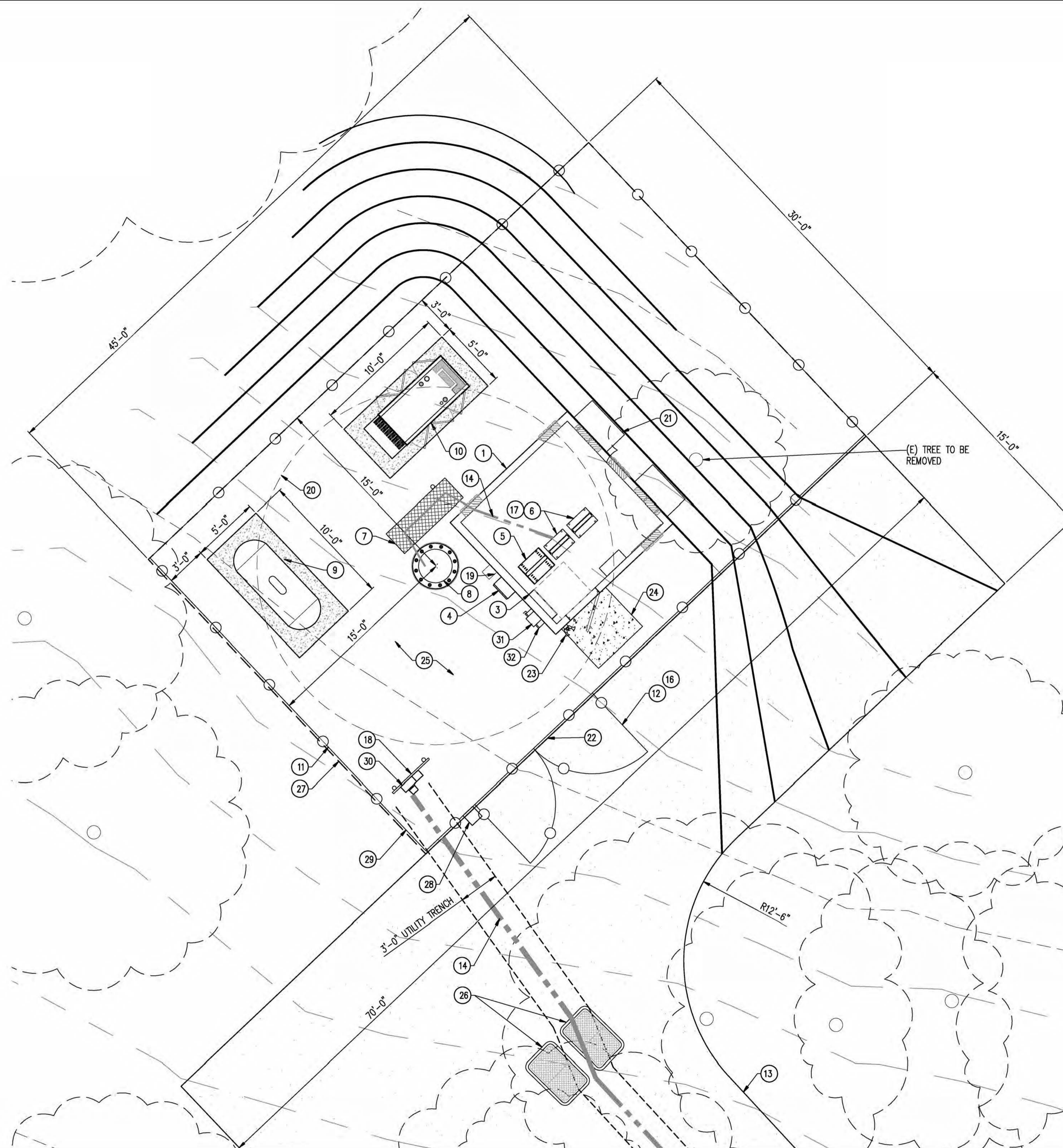


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 PLOT PLAN AND
 SITE TOPOGRAPHY

Sheet

C-2

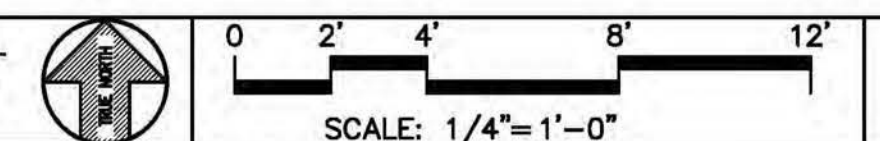
PROJECT AREA ENLARGEMENT



KEY NOTES

1. NEW 11' x 12' LIGHTWEIGHT PRE-FAB "MIC" EQUIPMENT SHELTER
2. (1) NEW GPS ANTENNA
3. NEW ELEC. PANEL, PROVIDED WITH SHELTER
4. TELCO BOX, PROVIDED WITH SHELTER
5. NEW D/C POWER PLANT, PROVIDED WITH SHELTER
6. NEW 23" FIF RACK, PROVIDED WITH SHELTER, TYP. OF (2)
7. NEW HEAVY DUTY METAL CABLE TRAY LID W/ CONG. SLEEPERS EVERY 4'
8. NEW 160' MONOPINE
9. NEW 500 GAL LP PROPANE TANK ON NEW CONC. SLAB
10. NEW 35 KW LP PROPANE BACK UP GENERATOR ON NEW CONC. SLAB
11. NEW 6'-0" CHAIN LINK FENCE W/ VINYL SLATS
12. NEW 12' WIDE DOUBLE ACCESS GATE
13. NEW 12' WIDE A/C PAVED ACCESS ROAD
14. NEW U/G POWER AND TELCO CONDUITS
15. NEW CAMLOCK GENERATOR INTERFACE
16. NEW CARRIER CONTACT SIGNAGE AT GATE
17. NEW CIENA WITHIN FIF RACK
18. NEW UTILITY RACK
19. NEW 2A:20BC RATED FIRE EXTINGUISHER IN WEATHER RESISTANT CABINET
20. 24" MAX BRANCH DIAMETER AT BASE OF POLE
21. NEW HVAC, PROVIDED WITH SHELTER
22. OUTLINE OF NEW TOWER MAT FOUNDATION 32'X32', VERIFY WITH ENGINEERING
23. NEW OUTDOOR LIGHTS PROVIDED WITH SHELTER, W/ TIMER AND MOTION SENSOR
24. NEW CONC. STOOP
25. NEW MIN. 2" CLEAN CRUSHED ROCK OVER 4" CLASS II ROAD BASE OVER WEED BARRIER FABRIC
26. NEW P48 PULL BOXES FOR TELCO AND POWER
27. NEW AT&T 30'X45' LEASE AREA
28. NEW FIRE DEPT. KNOX BOX
29. NEW SOUND BLANKET
30. NEW 200 AMP METER/ MAIN PANEL
31. NEW CAMLOCK GENERATOR INTERFACE
32. NEW 200A DISCONNECT

EQUIPMENT PLAN



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12852 Earhart Ave. Suite 101
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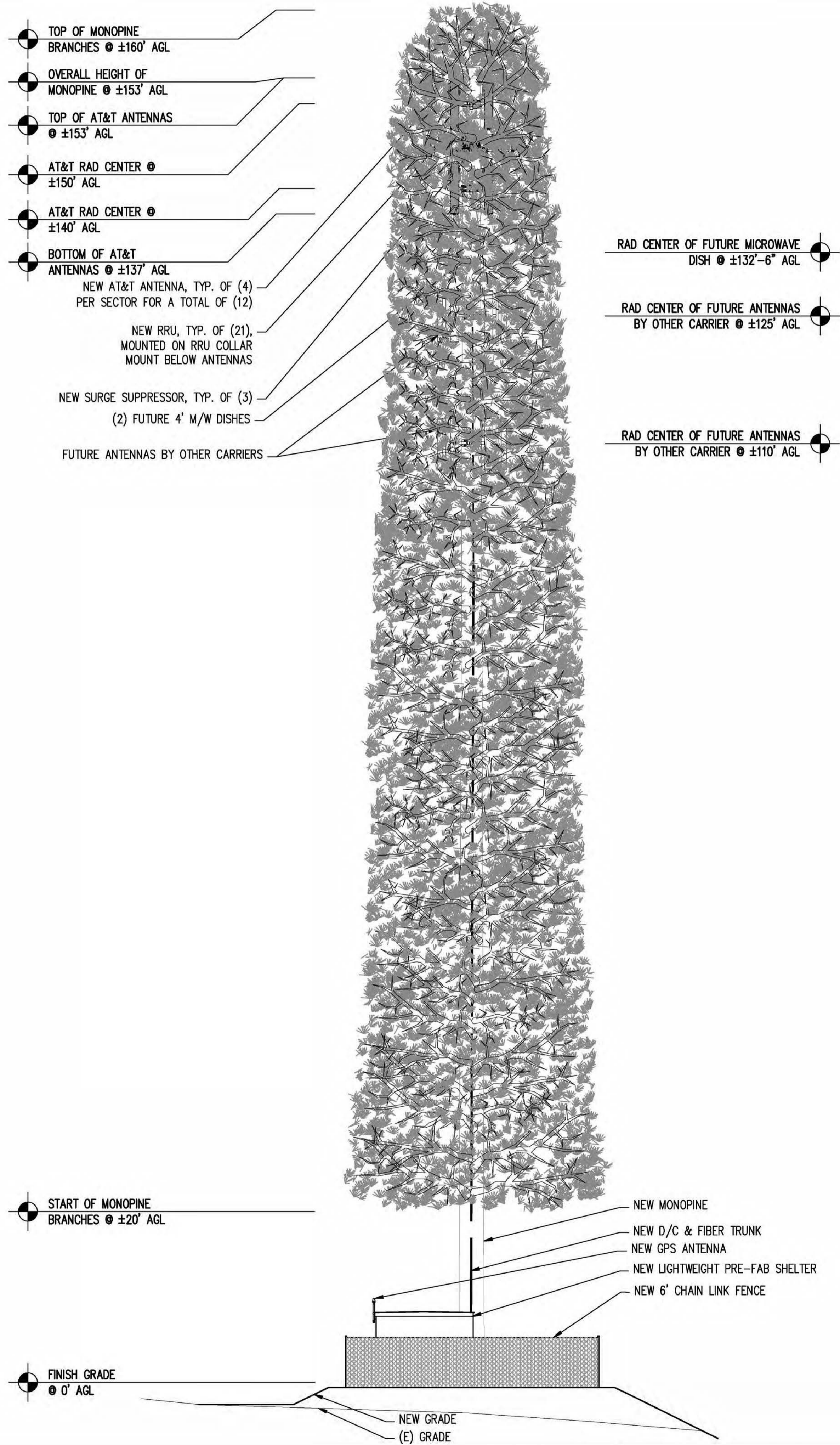
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SITE #: CVL03629 CHK.: ... DRAWN BY: RB

SHEET TITLE: **EQUIPMENT PLAN**

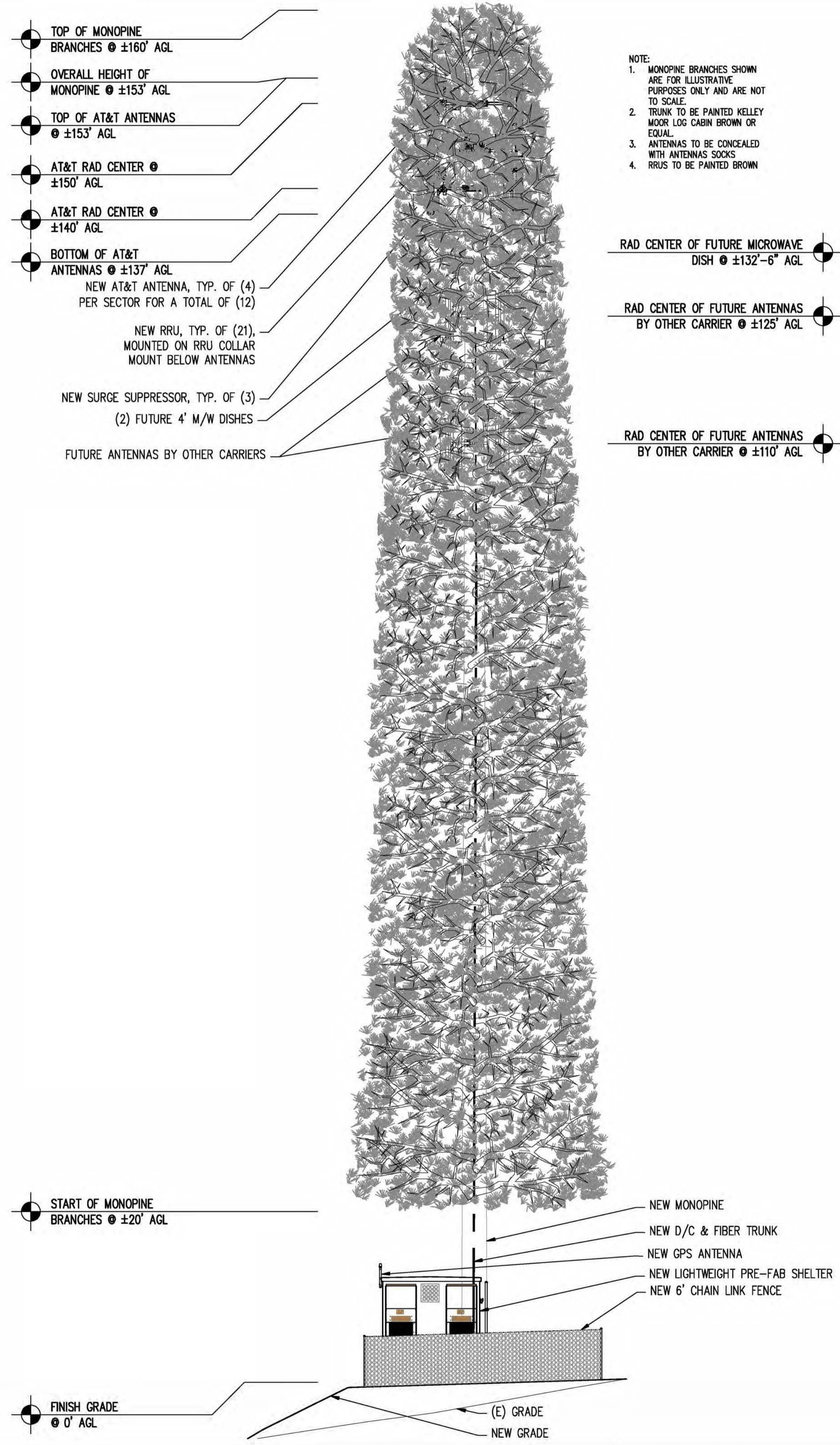
SHEET NUMBER: **A-2** REVISION: **0**



WEST ELEVATION

SCALE: 1/8"=1'-0"

2



EAST ELEVATION

SCALE: 1/8"=1'-0"

1

NOTE:
 1. MONOPINE BRANCHES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND ARE NOT TO SCALE.
 2. TRUNK TO BE PAINTED KELLEY MOOR LOG CABIN BROWN OR EQUAL.
 3. ANTENNAS TO BE CONCEALED WITH ANTENNAS SOCKS.
 4. RRS TO BE PAINTED BROWN

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 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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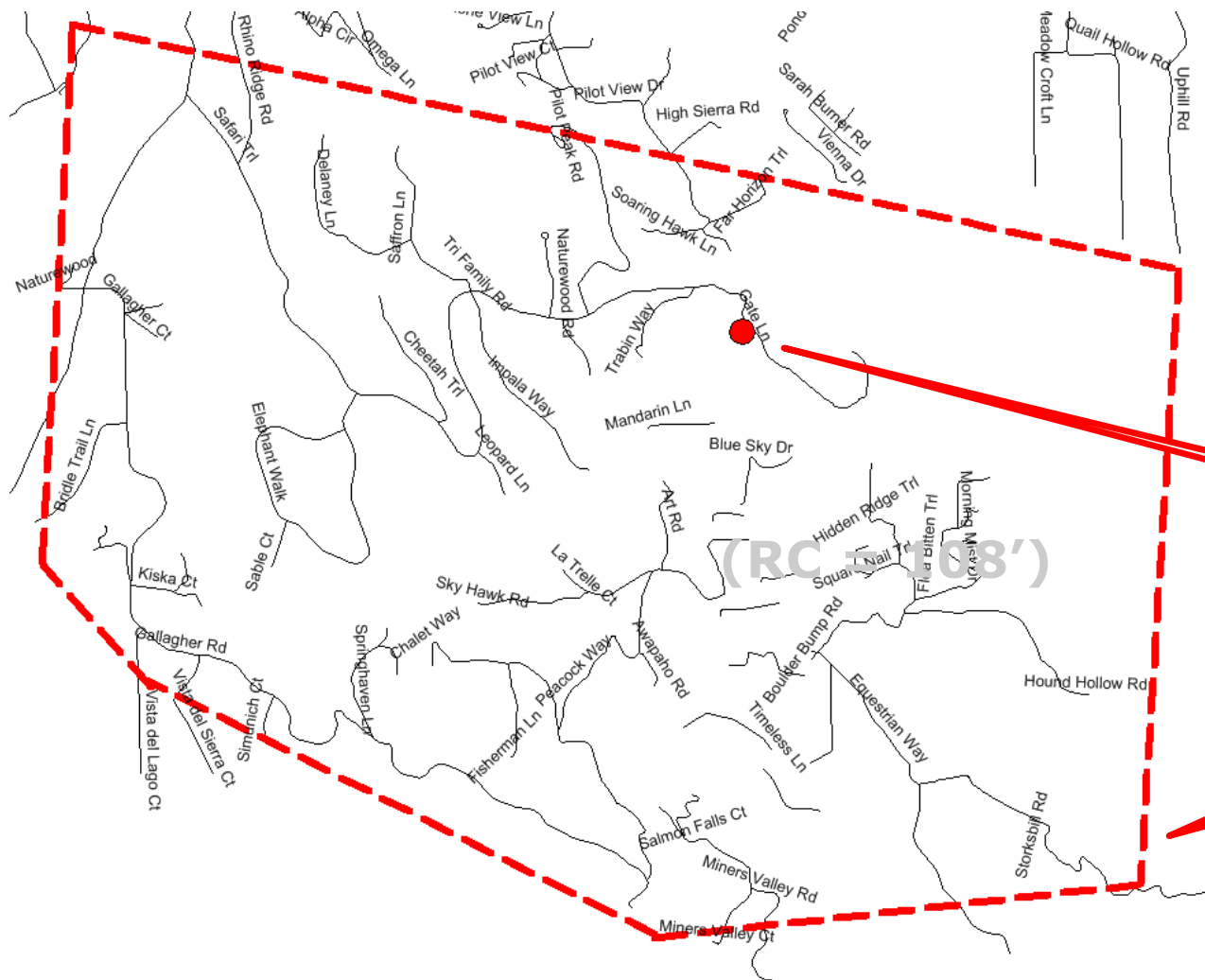
SHEET TITLE: **ELEVATIONS**

SHEET NUMBER: **A-4.1** REVISION: **0**

CVL03629 Zoning Propagation Map

June 13, 2017

EXISTING LTE 700 Coverage (RC = 150')



Legend

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

Zee Estates

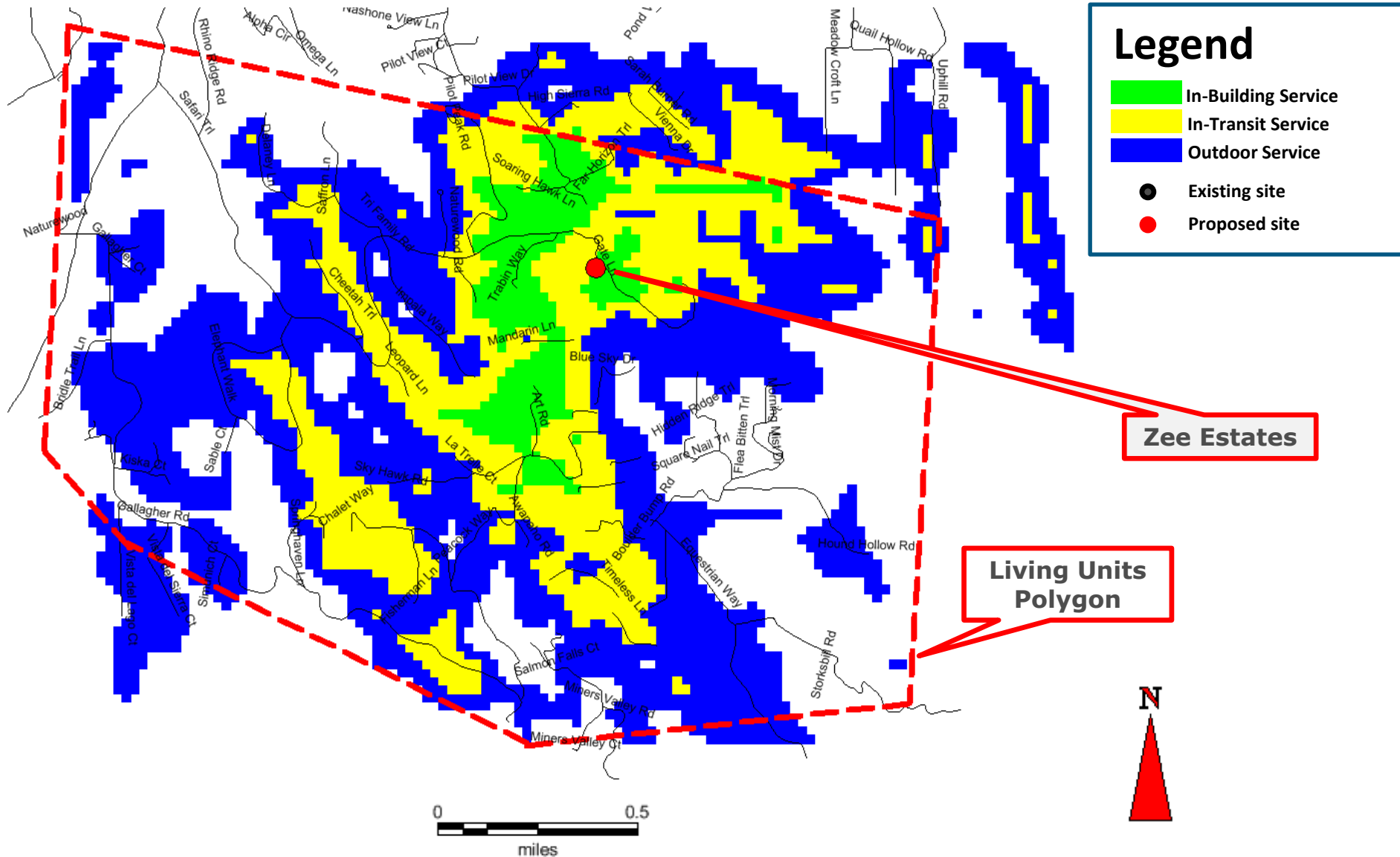
Living Units Polygon



miles
Scale: 1:22,660

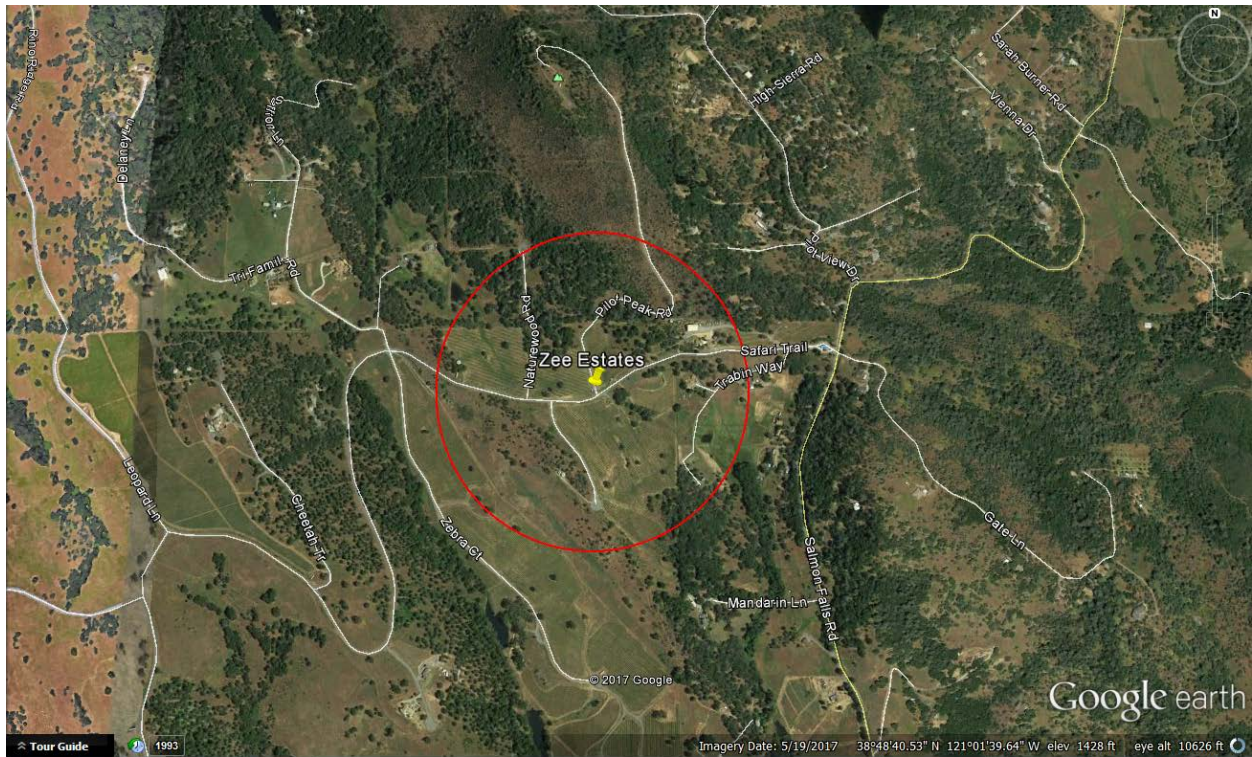
June 13, 2017

PROPOSED LTE 700 Coverage (RC = 150')



June 13, 2017

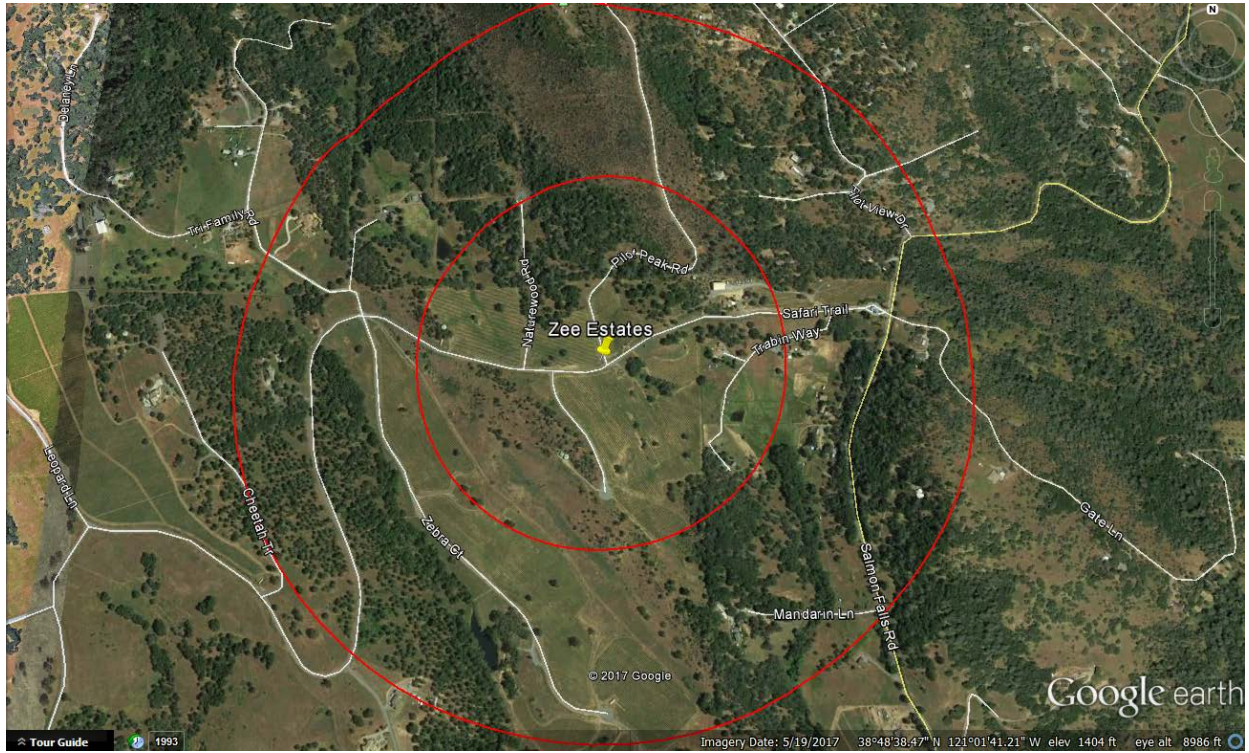
Search Ring's Description and Objectives:



AT&T Mobility is proposing to build and maintain an unmanned wireless telecommunication facility consisting of a 30' x 45' (1350) 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 right off of Gate Lane, within El Dorado County's jurisdiction in a 60 acre LA-10 zone. The site is approximately 1.3 miles east of Acorn Creek and the area consists of evergreen trees, and rolling hills with rocky terrain.

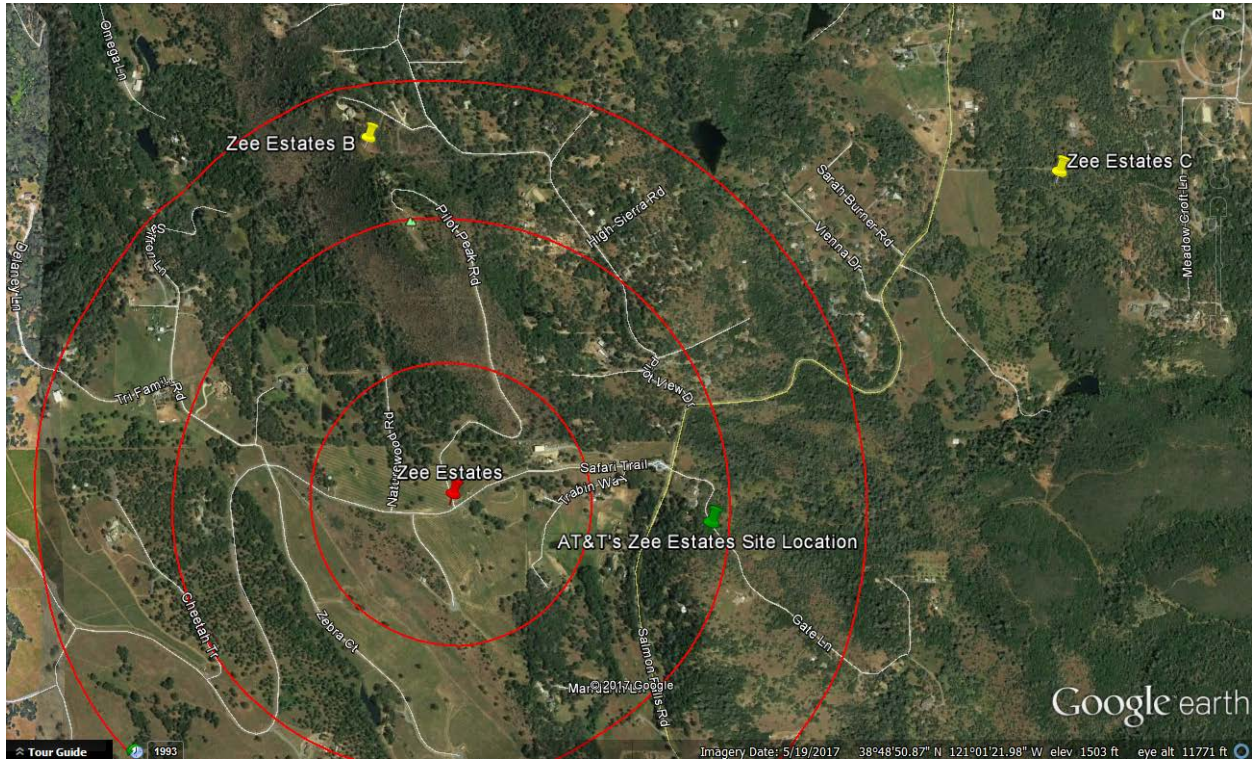
AT&T's objective for the Zee Estates site is to provide wireless hi-speed broadband internet to a minimum of 255 LU's and cellular services to the nearby residences. This site is to provide hi-speed internet and enhanced cellular coverage & capacity to the Pilot Hill area, in all directions of the search ring which is a relatively dense underserved area. The site location's elevation is approximately 1,560 feet while the surrounding community's elevation averages around 1,450 feet, giving the homes within the community 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.

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.

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:

Zee Estates Alternative Candidate B:

4150 Pilot View Court, Pilot Hill, CA 95664

Latitude/Longitude: 38.819931, -121.031460

Proposal – New Tower



Considerations:

Candidate B is located approximately 0.60 miles north of the center of AT&T's search ring. The proposed tower would be located on a 5.26 acre, RE-5 zoned property owned by Brian Cummings. The property is located on the south side of Pilot View Court and the site was proposed on the west side 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 Gate Lane (Subject Parcel).

Zee Estates Alternative Candidate C:

5081 Salmon Falls Road, Pilot Hill, CA 95664

Latitude/Longitude: 38.819348, -121.008285

Proposal – New Tower



Considerations:

Candidate C is located approximately 1.2 miles north-east of the center of AT&T's search ring. The proposed tower would be located on a 145 acre, LA-10 zoned property owned by Richard and Ellen Wolfe. The property is located on the east side of Salmon Falls Road and the site was proposed on the north side 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 Gate Lane (Subject Parcel).

Actual View of the Proposed Location:

The proposed lease area is located on the south-west side of the subject property. The site will not interfere with the existing use of the property. Access will be directly off of Gate Lane. The site is elevated above the surrounding area and has great potential for line of site to the communities down below the subject parcel.

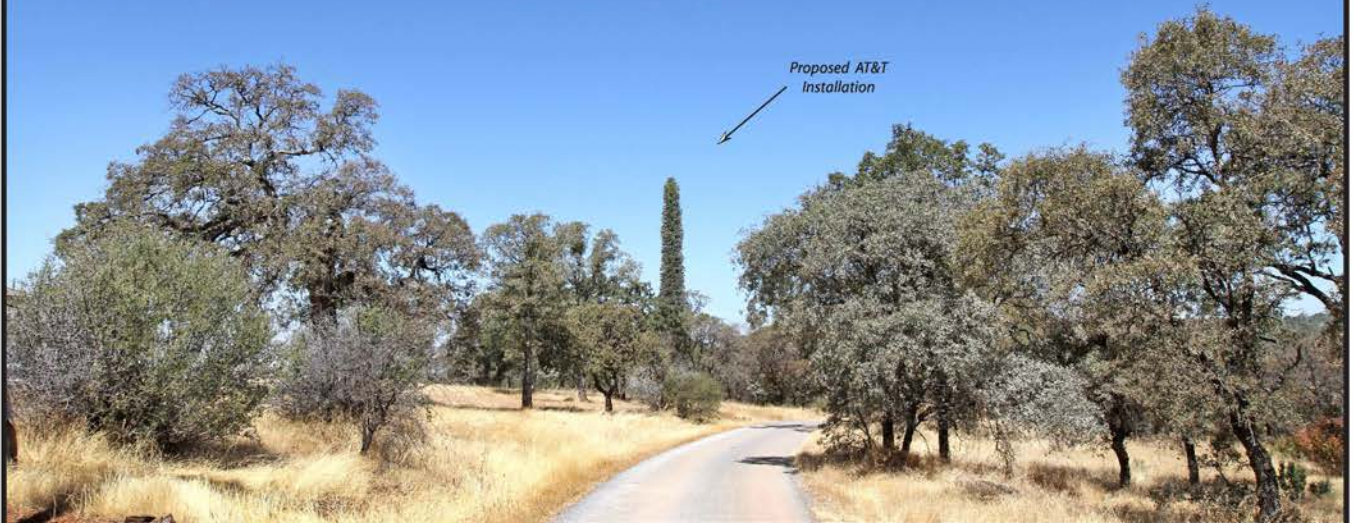


Attachment 4 Site 6 Zee Estates

Existing



Proposed



view from Gate Lane looking northwest at site



CVL03629 Zee Estates
850 Gate Lane, Pilot Hill, CA
Photosims Produced on 7-21-2017



Existing



Proposed



view from Safari Trail looking southeast at site



CVL03629 Zee Estates
850 Gate Lane, Pilot Hill, CA
Photosims Produced on 7-21-2017



Contact (925) 202-8507

Existing

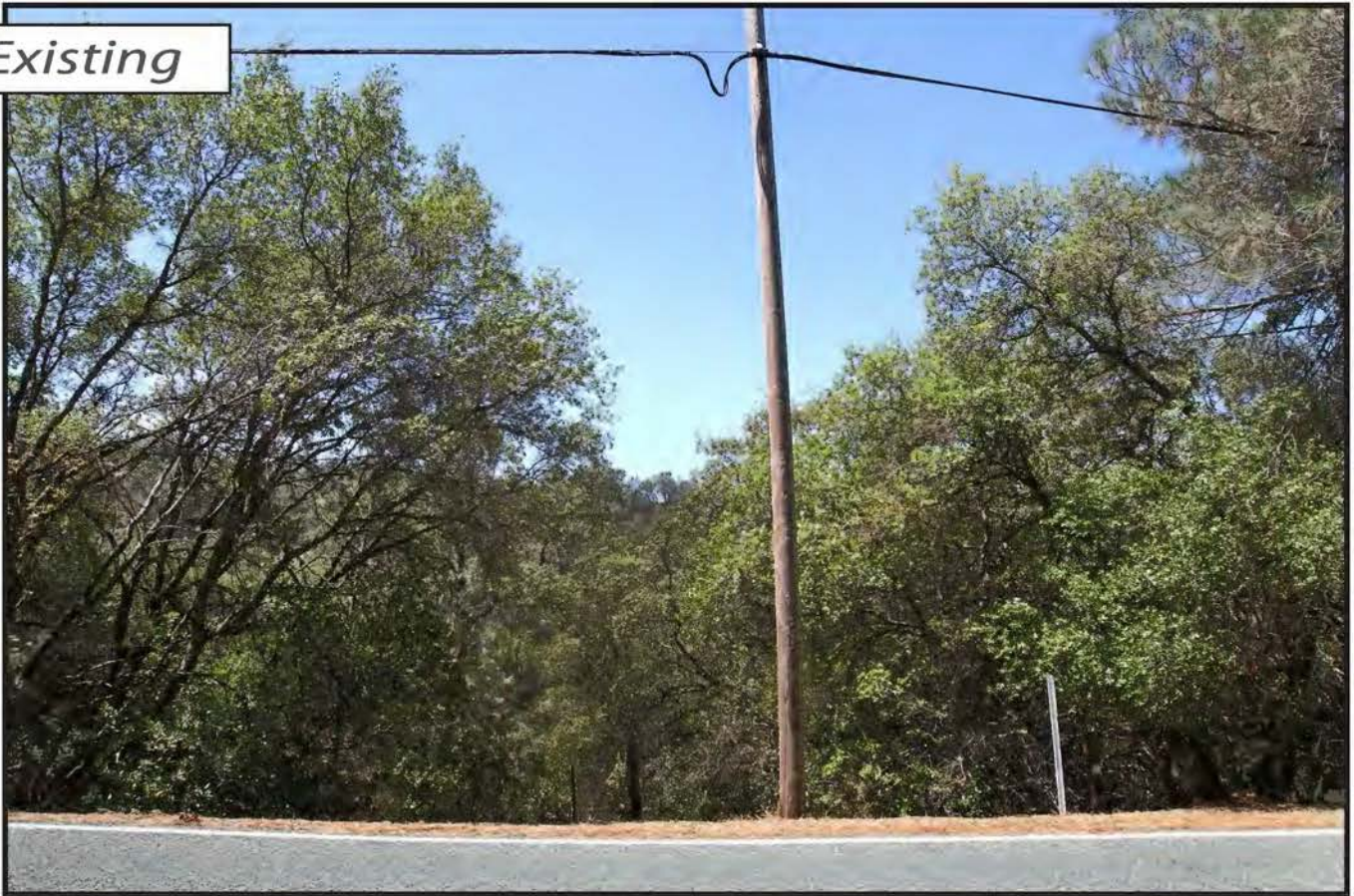


Proposed



view from Pilot View Drive looking southeast at site

Existing



Proposed

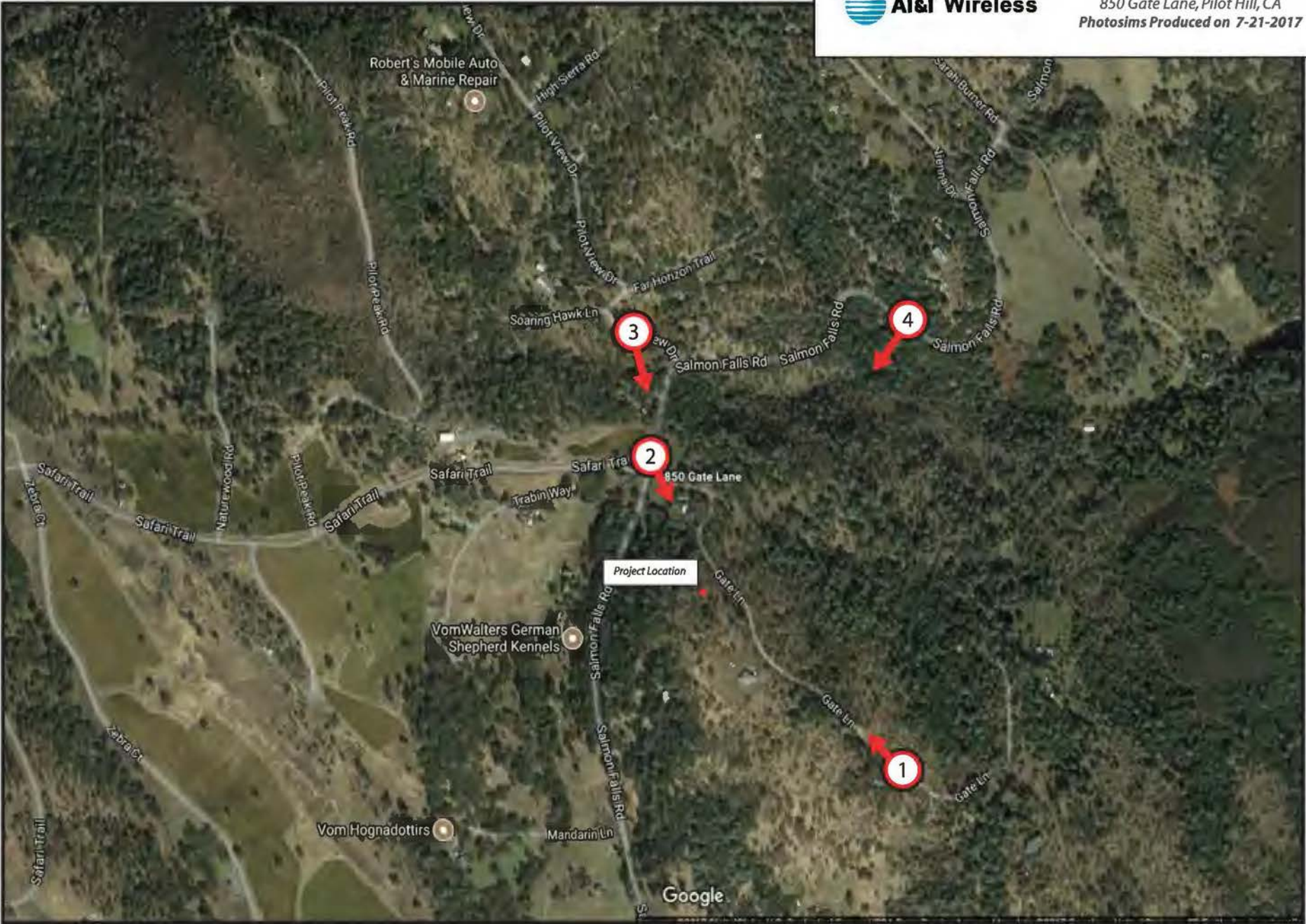


view from Salmon Falls Road looking southwest at site

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

 **AT&T Wireless**

CVL03629 Zee Estates
850 Gate Lane, Pilot Hill, CA
Photosims Produced on 7-21-2017



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 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 nearest property line = 40'
 - a. Generator Decibel level at 40' = 53.3 dBA
 - b. HVAC Decibel level at 40' = 48.3 dBA
2. Distance to alternative nearest property line = 75'
 - a. Generator Decibel level at 75' = 47.84 dBA
 - b. HVAC Decibel level at 75' = 42.84 dBA
3. Distance to a nearest residence = 310
 - a. Generator Decibel level at 310' = 35.52 dBA
 - b. HVAC Decibel level at 310' = 30.51 dBA

Conclusion:

After calculating all decibel levels at each nearby residence’s property line and actual 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:	Zee Estates	Site Structure Type:	Monopine
Address:	Gate Lane 1,000' South East of the intersection of Gate Lane and Salmon Falls Road Pilot Hill, CA	Latitude:	38.810023
Report Date:	July 17, 2017	Longitude:	-121.020325
		Project:	New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Zee Estates site located at Gate Lane 1,000' South East of the intersection of Gate Lane and Salmon Falls Road, Pilot Hill, 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)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm ²)	Averaging Time (minutes)	Power Density (mW/cm ²)	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

f=Frequency (MHz)

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 6 Zee Estates

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
- Install six (6) new RRUS-11, three (3) RRUS-12, twelve (12) RRUS-32

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 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 26,556 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 0.4105% of the FCC General Population limits (0.0821% 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 0.7055% of the FCC General Population limits (0.1411% 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.

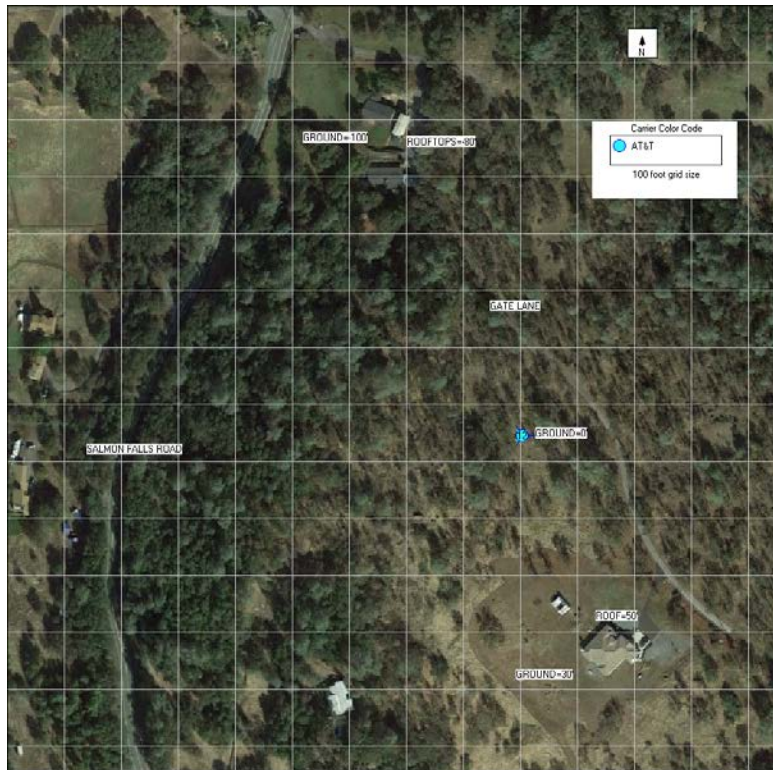


Figure 1: Antenna Locations

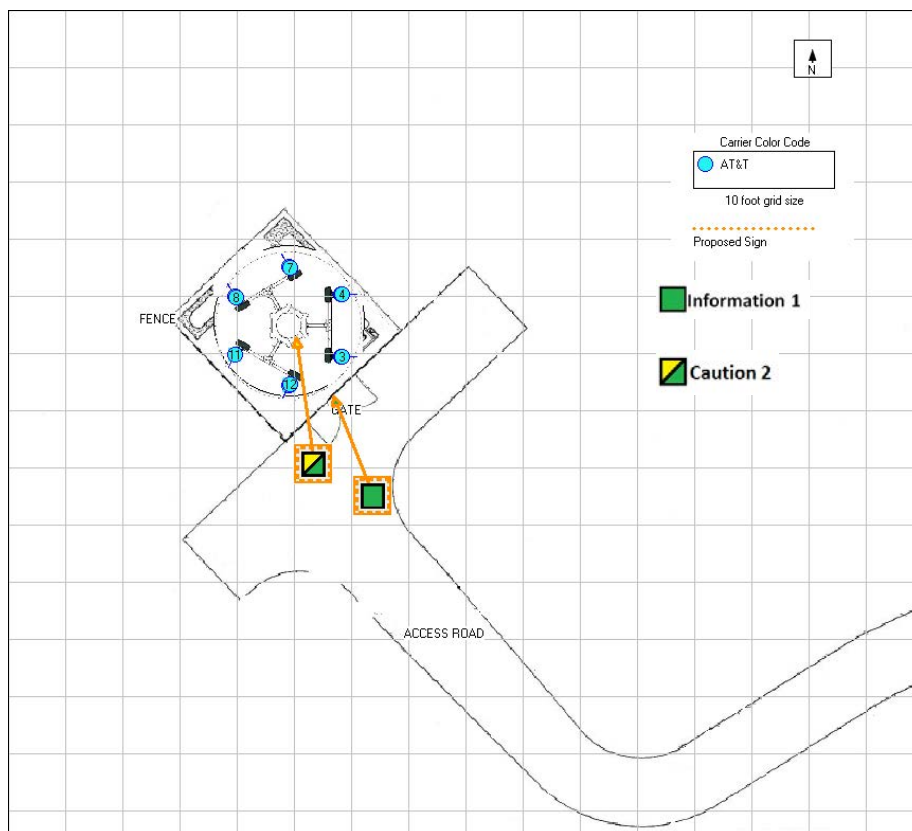


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at Gate Lane 1,000' South East of the intersection of Gate Lane and Salmon Falls Road, Pilot Hill, 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.

