



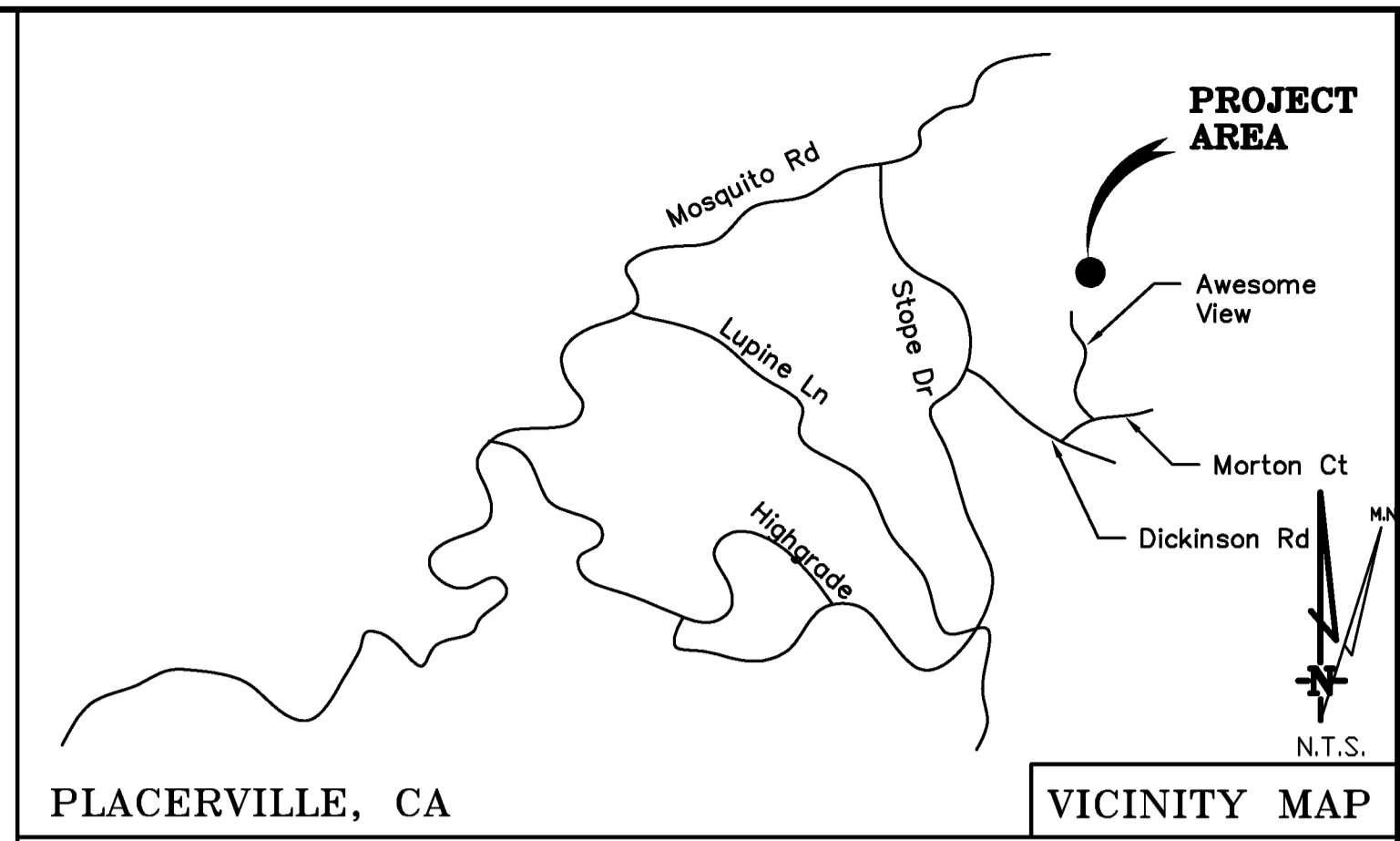




DATE OF SURVEY: 04-26-17  
 SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803  
 LOCATED IN THE COUNTY OF EL DORADO, STATE OF CALIFORNIA  
 BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.  
 ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.  
 N.G.V.D. 1929 CORRECTION: SUBTRACT 2.84' FROM ELEVATIONS SHOWN.  
 CONTOUR INTERVAL: 1 FT.  
 CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.  
 ASSESSOR'S PARCEL NUMBER: 085-010-13-100  
 OWNER(S): DAVID JOSEPH RONZONE TR  
 P.O. BOX 889  
 EL DORADO, CA 95623

A.T. & T. Mobility  
 Project No./Name: CVL03411 / Soapweed  
 Project Site Location: 4070 Stope Drive  
 Placerville, CA 95667  
 El Dorado County  
 Date of Observation: 04-28-17  
 Equipment/Procedure Used to Obtain Coordinates: Trimble Geo XT post processed with Pathfinder Office software.  
 Type of Antenna Mount: Proposed Monopine Tower  
 Coordinates (Center Lease Area)  
 Latitude: N 38°48'29.46" (NAD83) N 38°48'29.81" (NAD27)  
 Longitude: W 120°41'52.68" (NAD83) W 120°41'48.94" (NAD27)  
 ELEVATION of Ground at Structure (NAVD88) 3151' AMSL

**Lease Area Description**  
 All that certain lease area being a portion of the Southeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of Section 12, Township 11 N., Range 11 E., M.D.B. & M., as shown on the plat filed in Book 12 of Surveys, page 33 El Dorado County California Records being more particularly described as follows:  
 Commencing at the Southwest corner of the aforementioned Parcel of land; thence along the Westerly boundary thereof North 1°57'24" West, 381.06 feet; thence leaving said West boundary North 88°02'36" East, 70.65 feet to the True Point of Beginning; thence from said point of beginning South 87°45'14" East, 45.00 feet; thence South 2°14'46" West, 40.00 feet; thence North 87°45'14" West, 45.00 feet; thence North 2°14'46" East, 40.00 feet to the point of beginning.  
 Together with a non-exclusive easement for access and utility purposes, purposes fifteen feet in width, the centerline of which is more particularly described as follows: Beginning at a point which bears South 87°45'14" East, 10.14 feet from the Southwest corner of the above described lease area thence from said point of beginning along a non-tangent curve, concave to the west, having a radius of 7226.78 feet a central angle of 2°21'40", and a chord of 297.77 feet bearing North 3°29'09" West; thence South along said curve, a distance of 297.80 feet to a point hereafter referred to as Point A; thence South 57°36'11" West, a distance of 85.58 feet more or less to the existing traveled way commonly known as Awesome View.  
 Also together with a non-exclusive easement for utility purposes, purposes six feet in width, the centerline of which is more particularly described as follows: Beginning at the above described Point A; thence South 02°17'04" East, a distance of 5.20 feet; thence North 57°36'11" East, a distance of 98.0 feet more or less to an existing utility service connection location.



PLACERVILLE, CA

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.

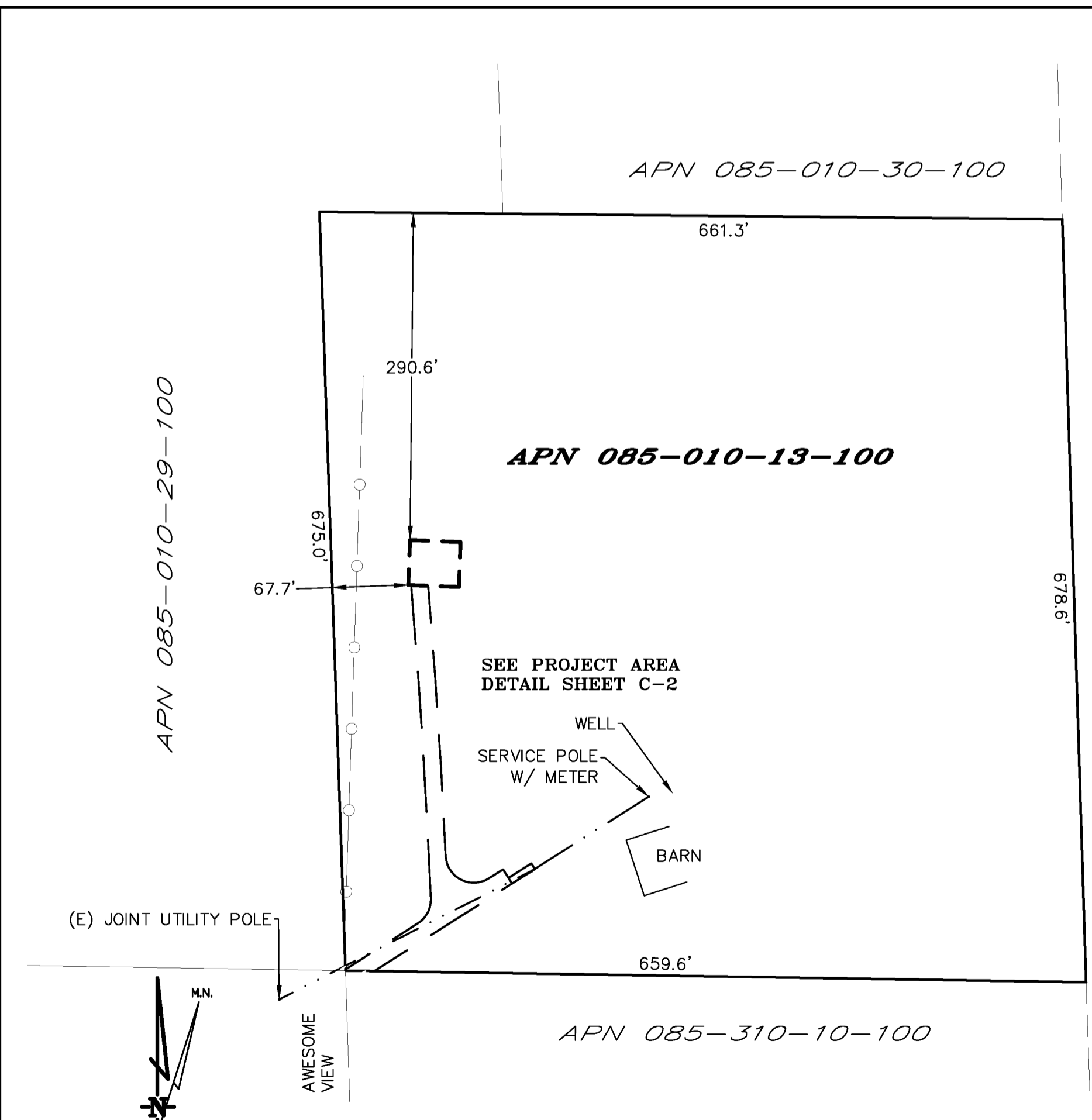
BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING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

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

Surveyor  
**GEIL ENGINEERING**  
 ENGINEERING • SURVEYING • PLANNING  
 1526 HIGLE STREET  
 PLACERVILLE, CALIFORNIA 95667  
 Phone: (530) 866-1000  
 Fax: (530) 866-1006



**LEASE AREA DETAIL**



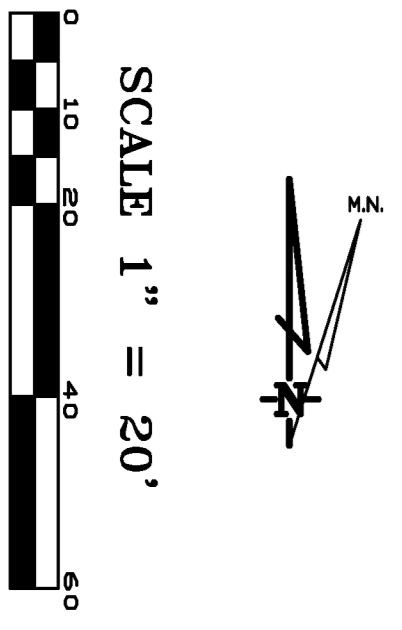
**OVERALL PROJECT AREA**

at&t  
 MOBILITY

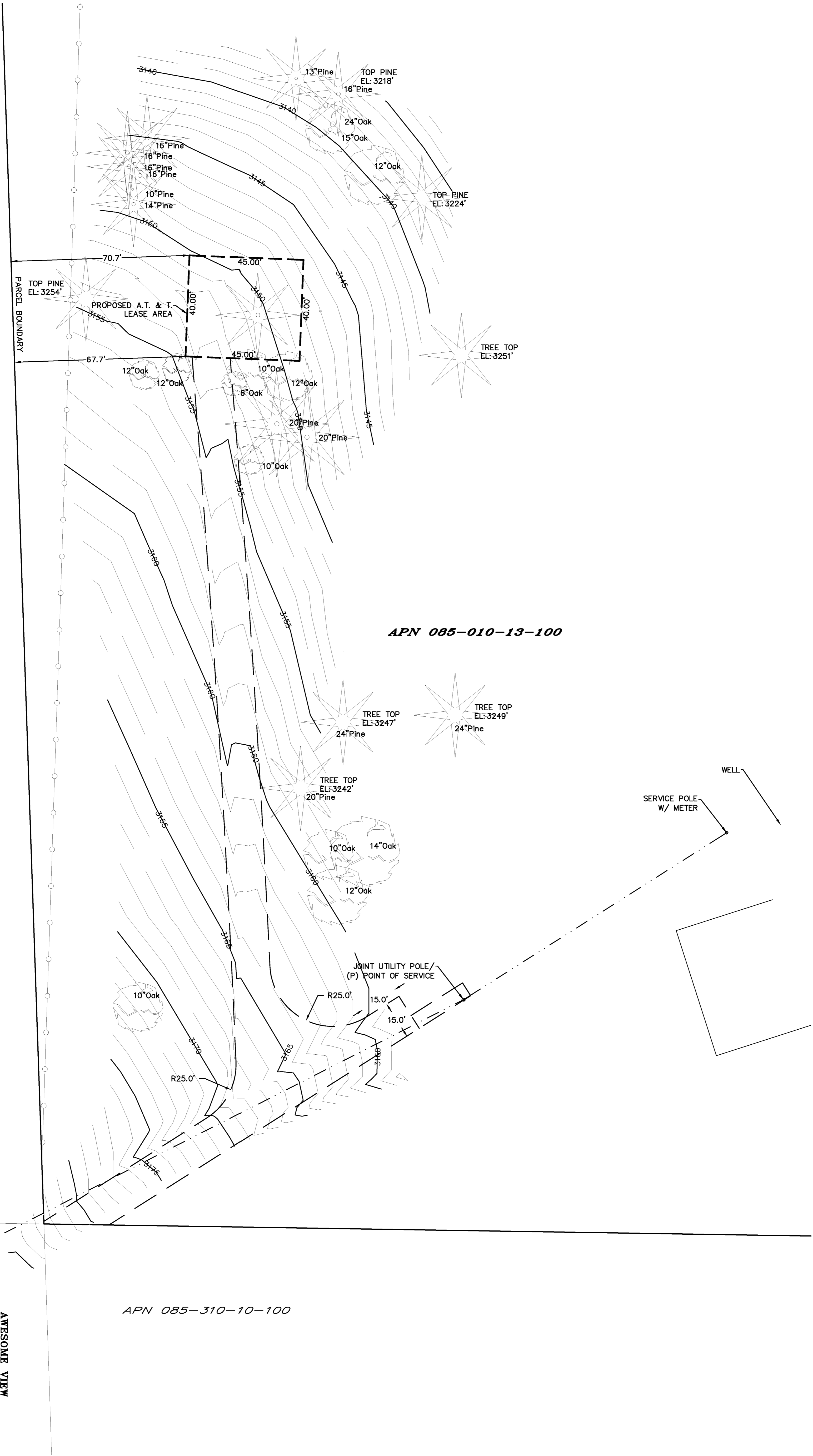
**CVL03411 Soapweed**  
**4700 Stope Drive**  
**Placerville, CA 95667**  
**PLOT PLAN AND**  
**SITE TOPOGRAPHY**

REV	DATE	DESCRIPTION
04-30-17	04-30-17	Preliminary Drawing
05-25-17	05-25-17	redline
08-08-17	08-08-17	redline

Sheet  
**C-1**



SCALE 1" = 20'



APN 085-010-13-100

APN 085-010-29-100

APN 085-310-10-100

PROJECT AREA DETAIL

AWESOME VIEW

APN 085-310-09-100

REV	DATE	DESCRIPTION	BY
04-30-17		Preliminary Drawing	dg
05-25-17		redline	dg
08-08-17		redline	dg

**CVL03411 Soapweed**  
**4700 Stope Drive**  
**Placerville, CA 95667**

**PLOT PLAN AND**  
**SITE TOPOGRAPHY**



Surveyor

**GEIL ENGINEERING**  
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1226 HIGH STREET  
 AUBURN, CALIFORNIA 95603  
 phone: (530) 885-0486  
 fax: (530) 885-1509

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

C-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-COM IS STRICTLY PROHIBITED

CLIENT:



2600 CAMINO RAMON  
 SAN RAMON, CA 94583

PROJECT INFORMATION:

**SOAPWEED**

4070 STOPE DR  
 PLACERVILLE, CA 95667

REV: DATE: DESCRIPTION: BY:

REV:	DATE:	DESCRIPTION:	BY:
1	6-14-17	90% ZONING DOC'S	RB
2	8-3-17	REV 90% ZONING DOC'S	RB
3	8-21-17	100% ZONING DOC'S	RB

COORDINATING ENGINEER:

*Peek Site-Com*

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

SEAL:

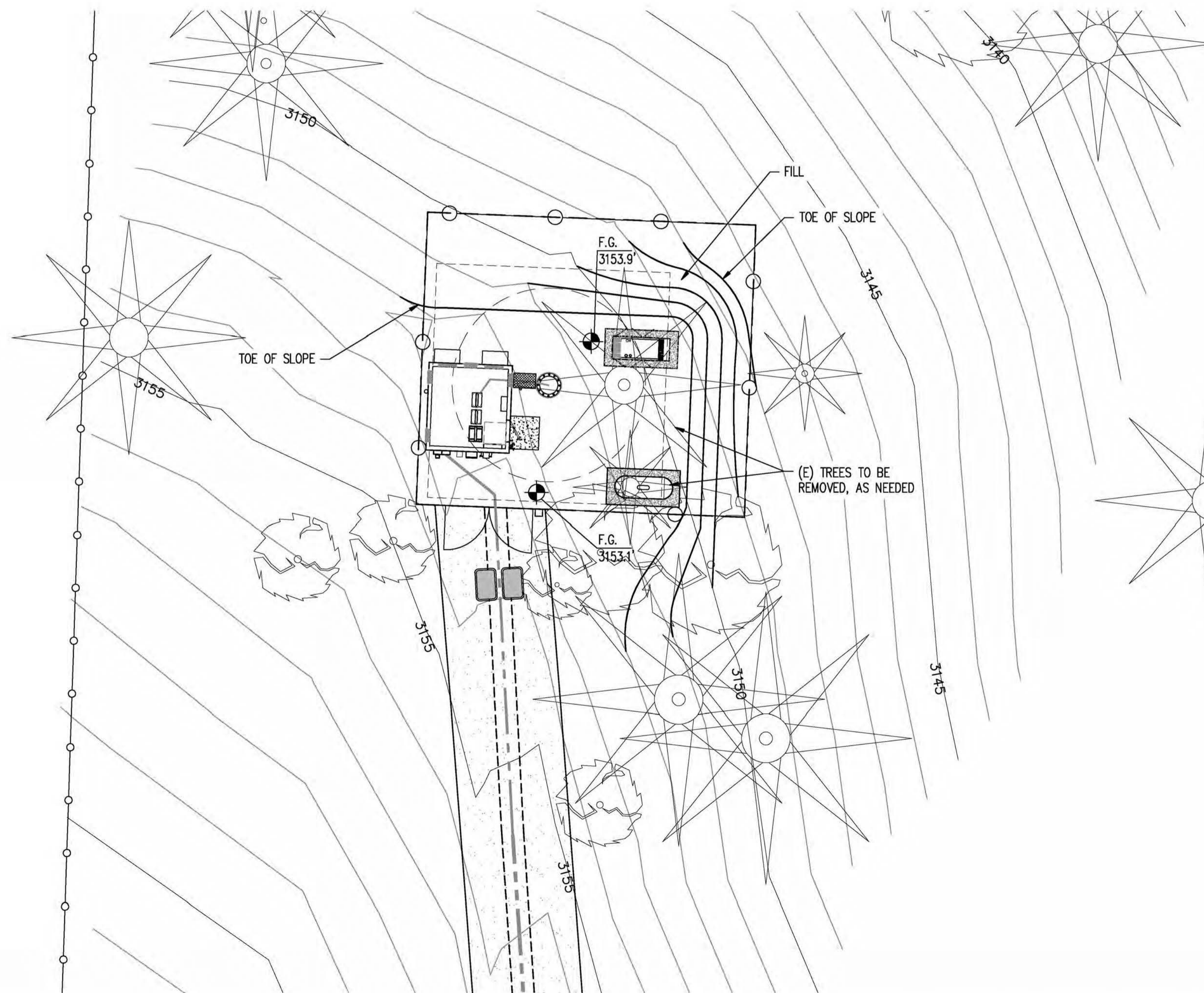


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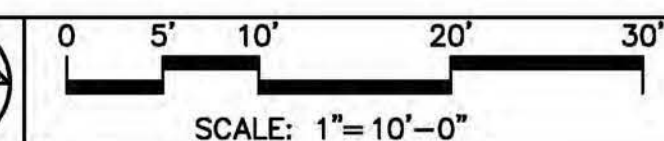
SHEET TITLE:

**PRELIMINARY  
 GROUNDING PLAN**

SHEET NUMBER: C-5 REVISION: 0



**PRELIMINARY GROUNDING PLAN**







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CLIENT:



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 SAN RAMON, CA 94583

PROJECT INFORMATION:

**SOAPWEED**

4070 STOPE DR  
 PLACERVILLE, CA 95667

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

REV	DATE	DESCRIPTION	BY
1	6-14-17	90% ZONING DOC'S	RB
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COORDINATING ENGINEER:

**Peek Site-Com**

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

E-Mail info@peeksitecom.com

SEAL:



SITE #: = CHK.: = DRAWN BY: =

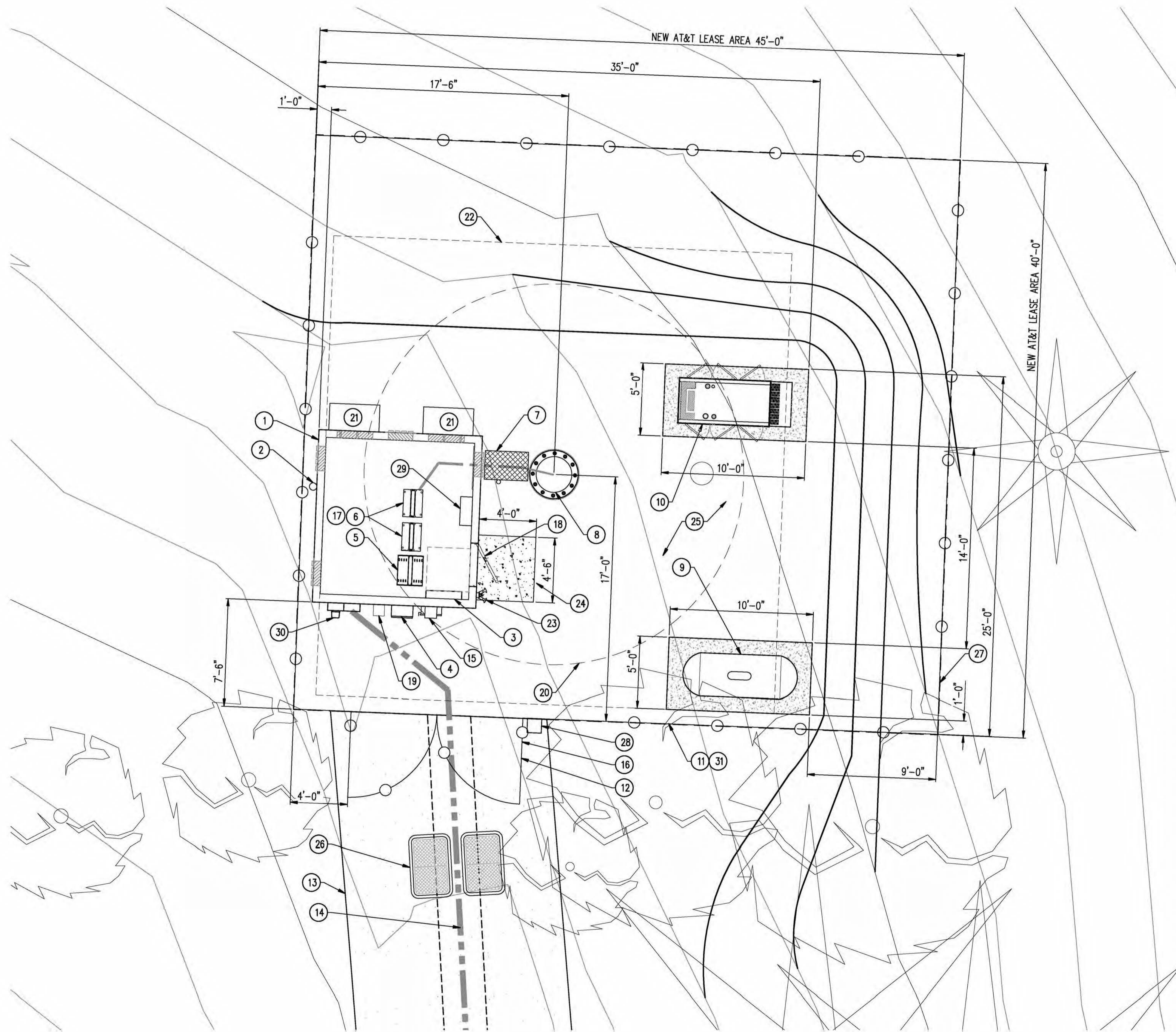
CVL03411	...	RB
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SHEET TITLE:

**EQUIPMENT PLAN**

SHEET NUMBER: = REVISION: =

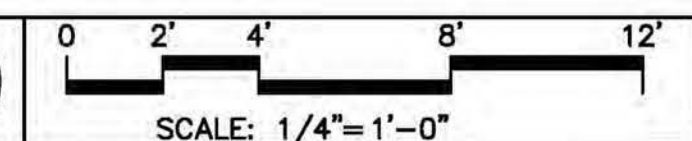
**A-2 0**

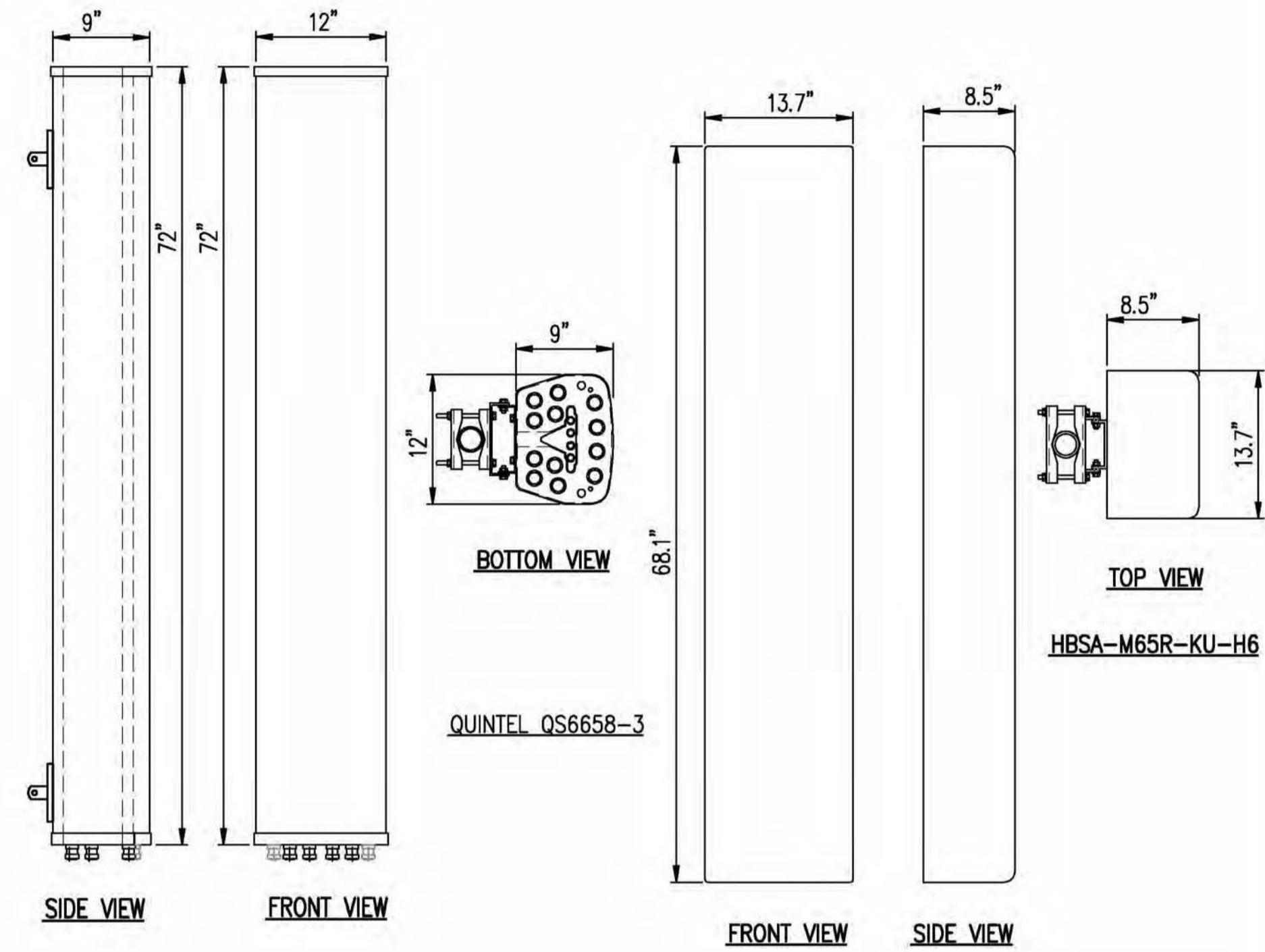


**KEY NOTES**

1. NEW PRE-FAB EQUIPMENT SHELTER
2. (1) NEW GPS ANTENNA
3. NEW 200A ELEC. PANEL
4. TELCO BOX
5. NEW D/C POWER PLANT
6. NEW 23" FIF RACK, TYP. OF (2)
7. NEW ICE BRIDGE
8. NEW MONOPINE
9. NEW 500 GAL LP PROPANE TANK ON NEW CONC. SLAB
10. NEW 35 KW 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 GRAVEL 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 ACCESS DOOR
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 40'X45' LEASE AREA
28. NEW FIRE DEPT. KNOX BOX
29. NEW AUTOMATIC TRANSFER SWITCH
30. NEW 200A METER MAIN
31. NEW SOUND BLANKET BBC-13X, 1.2 LBS. PSF MIN. OR EQUAL SOUND BLANKET AT INTERIOR SIDE OF FENCE

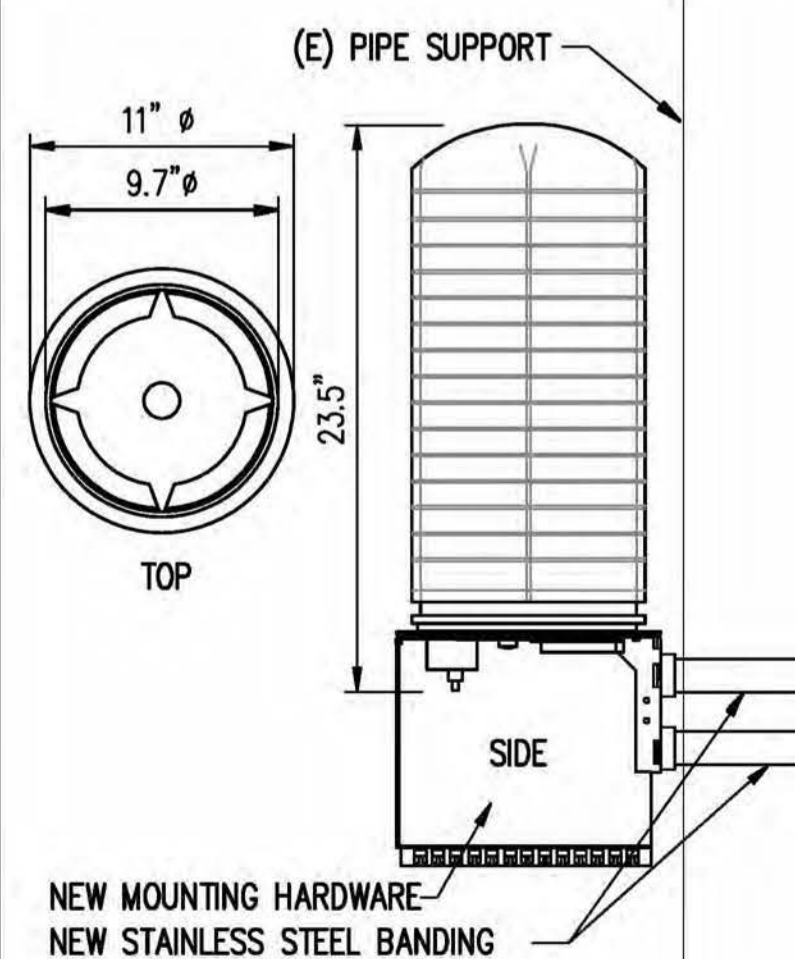
**EQUIPMENT PLAN**





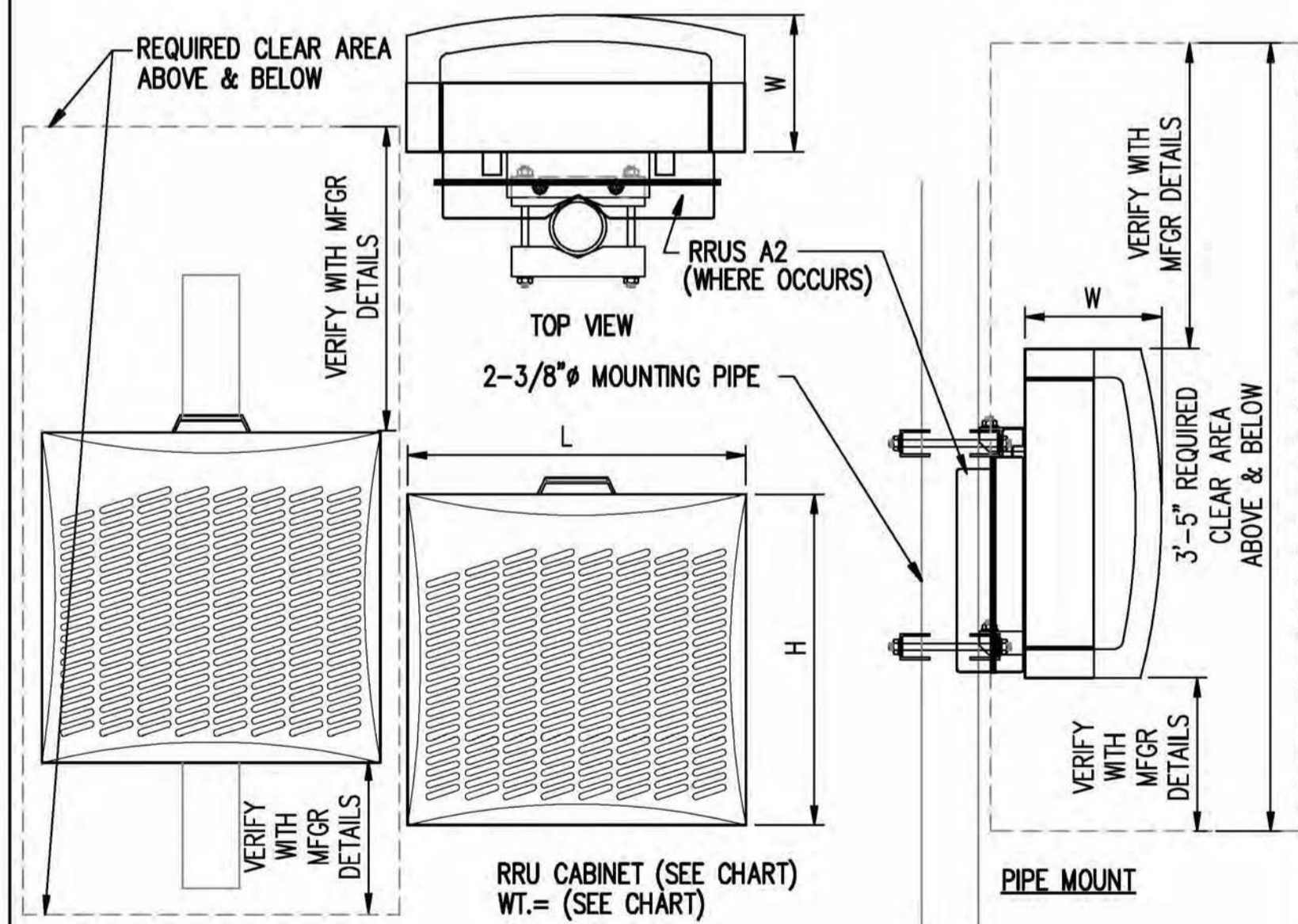
ANTENNA DETAIL

SCALE: N.T.S. 3



SQUID DETAIL

SCALE: N.T.S. 5



TYPE	LENGTH	HEIGHT	WIDTH	WEIGHT
RRU-11	17.8"	17.3"	7.19"	50 LBS
RRUS-E2	20.4"	18.5"	7.5"	50 LBS
RRUS-32	29.9"	13.3"	9.5"	60 LBS
RRU-12	20.4"	18.5"	7.5"	50 LBS
A2	12.8"	15"	3.5"	21 LBS

NOTE: SEE RF SHEET FOR RRU PLACEMENT

RRU DETAIL

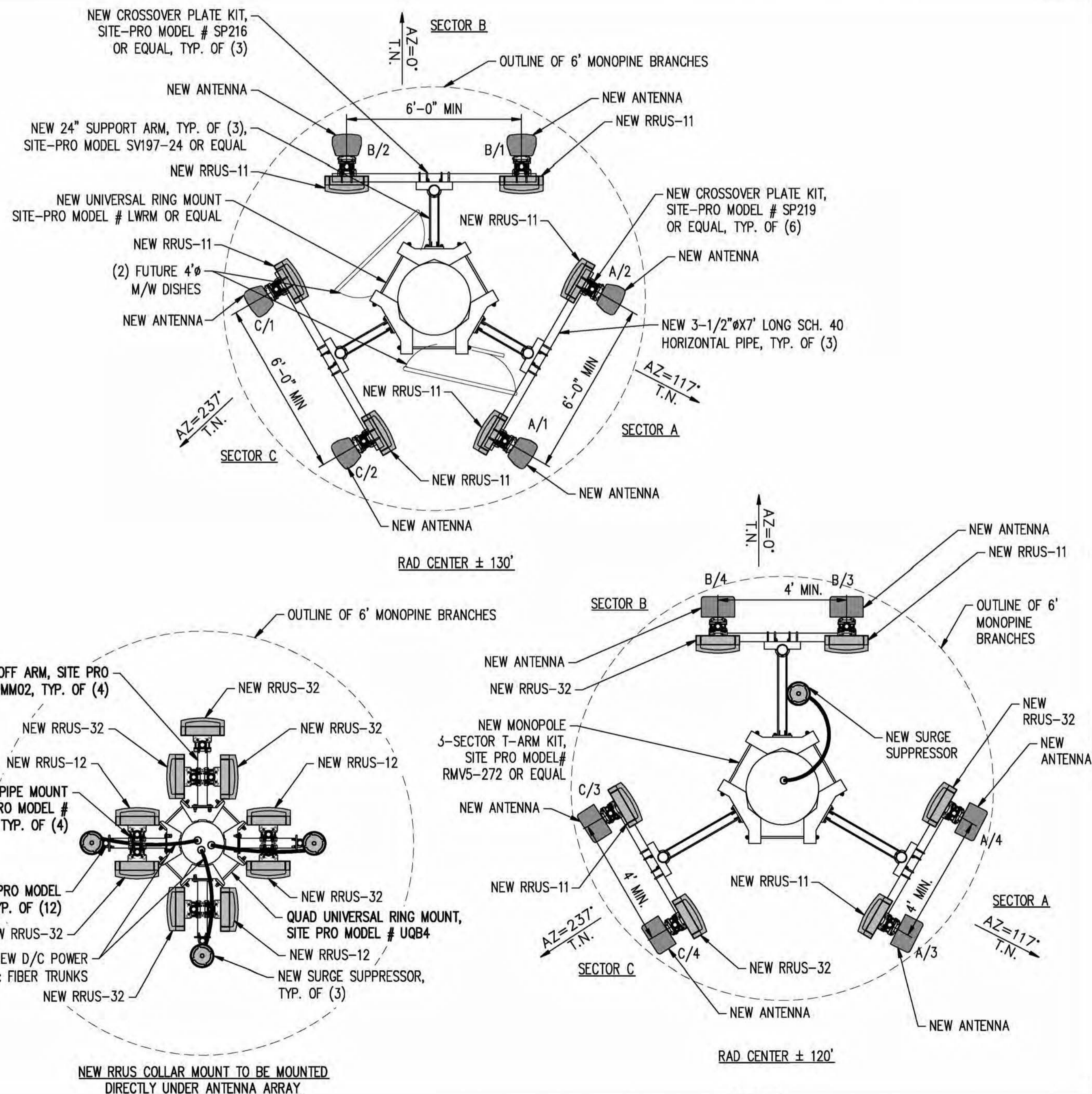
SCALE: N.T.S. 4

RF SCHEDULE

SECTOR/POS.	ANTENNA MODEL	RAD CENTER	PHYSICAL AZIMUTH	RRU	TMA	FIBER LENGTH	COAX LENGTH	COAX DIA.	NO.
A/1	QS6656-3	± 130'	117°	(1) RRU-11 & (1) RRU-32 B2	N/A	± 190'	± N/A	N/A	-
A/2	QS6656-3	± 130'	117°	(1) RRU-11, (1) RRU-11 & (1) RRU-32 B66	N/A	± 190'	± N/A	N/A	-
A/3	HBSAM65R-KU-H6-K	± 120'	117°	(1) RRU-32 B30	N/A	± 182'	± N/A	N/A	-
A/4	HBSAM65R-KU-H6-K	± 120'	117°	(1) RRU-32 B30	N/A	± 182'	± N/A	N/A	-
B/1	QS6656-3	± 130'	0°	(1) RRU-11 & (1) RRU-32 B2	N/A	± 190'	± N/A	N/A	-
B/2	QS6656-3	± 130'	0°	(1) RRU-11, (1) RRU-11 & (1) RRU-32 B66	N/A	± 190'	± N/A	N/A	-
B/3	HBSAM65R-KU-H6-K	± 120'	0°	(1) RRU-32 B30	N/A	± 182'	± N/A	N/A	-
B/4	HBSAM65R-KU-H6-K	± 120'	0°	(1) RRU-32 B30	N/A	± 182'	± N/A	N/A	-
C/1	QS6656-3	± 130'	237°	(1) RRU-11 & (1) RRU-32 B2	N/A	± 190'	± N/A	N/A	-
C/2	QS6656-3	± 130'	237°	(1) RRU-11, (1) RRU-11 & (1) RRU-32 B66	N/A	± 190'	± N/A	N/A	-
C/3	HBSAM65R-KU-H6-K	± 120'	237°	(1) RRU-32 B30	N/A	± 182'	± N/A	N/A	-
C/4	HBSAM65R-KU-H6-K	± 120'	237°	(1) RRU-32 B30	N/A	± 182'	± N/A	N/A	-

RF SCHEDULE

SCALE: N.T.S. 1



ANTENNA PLAN

SCALE: 3/8"=1'-0"

2

PROPRIETARY INFORMATION

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CLIENT:



2600 CAMINO RAMON  
SAN RAMON, CA 94583

PROJECT INFORMATION:

SOAPWEED

4070 STOPE DR  
PLACERVILLE, CA 95667

REV: DATE: DESCRIPTION: BY:

1	6-14-17	90% ZONING DOC'S	RB
2	8-3-17	REV 90% ZONING DOC'S	RB
3	8-21-17	100% ZONING DOC'S	RB

COORDINATING ENGINEER:

Peek Site-Com

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

E-Mail info@peeksitecom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CVL03411 ... RB

SHEET TITLE:

ANTENNA PLAN & DETAILS

SHEET NUMBER: REVISION:

A-3 0

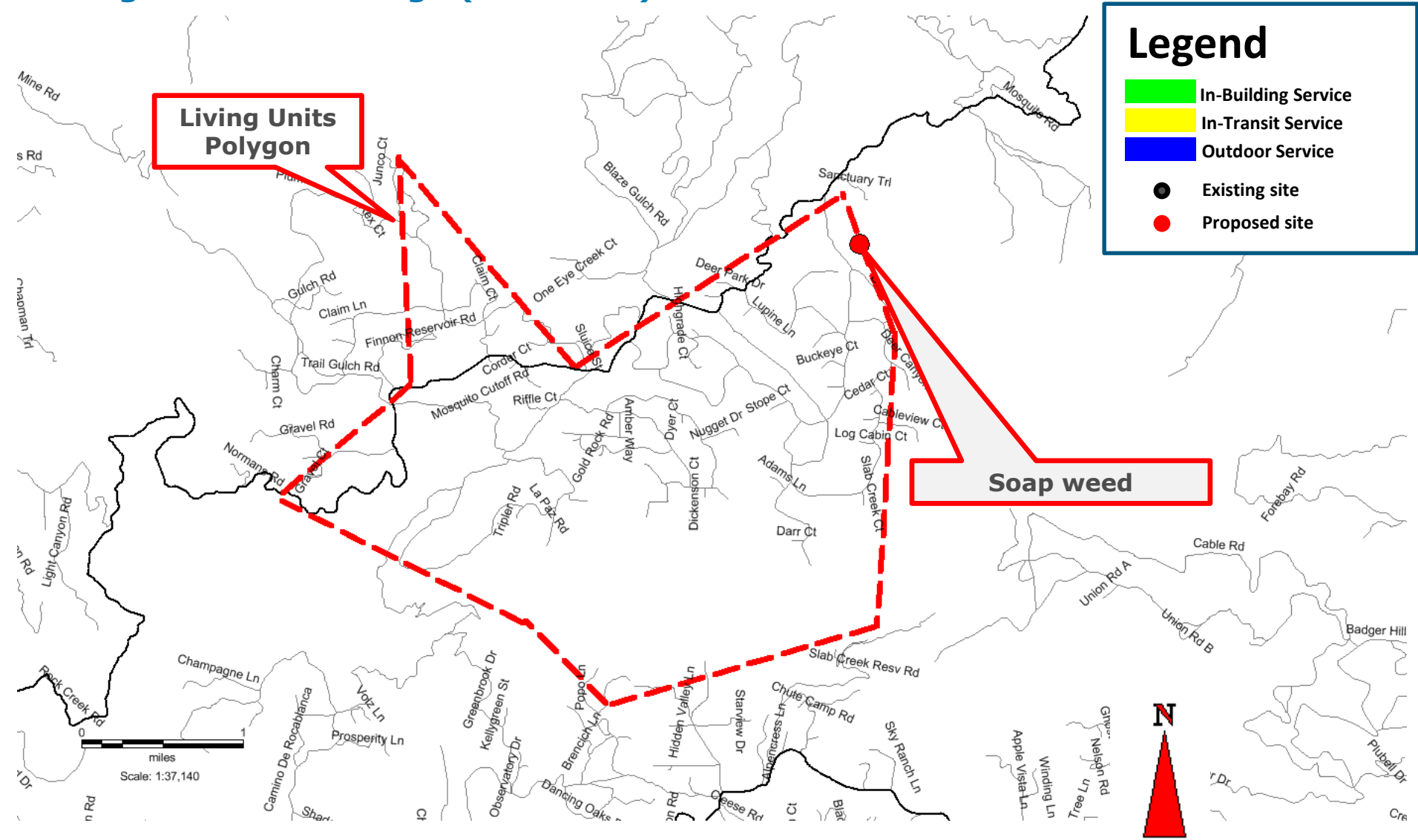




# CVL03411 Zoning Propagation Map

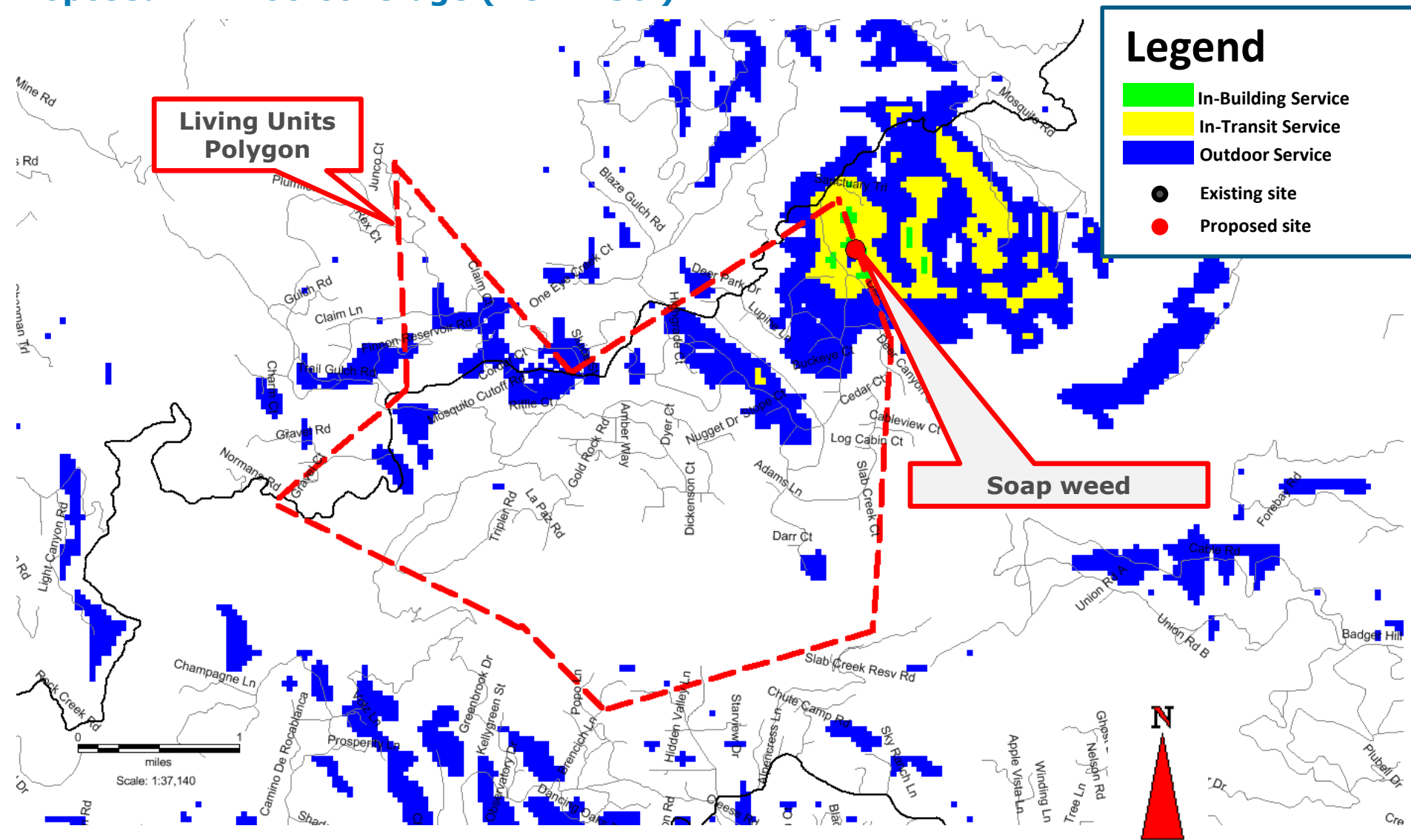
June 24, 2017

# Existing LTE 700 Coverage (RC = 130')



June 24, 2017

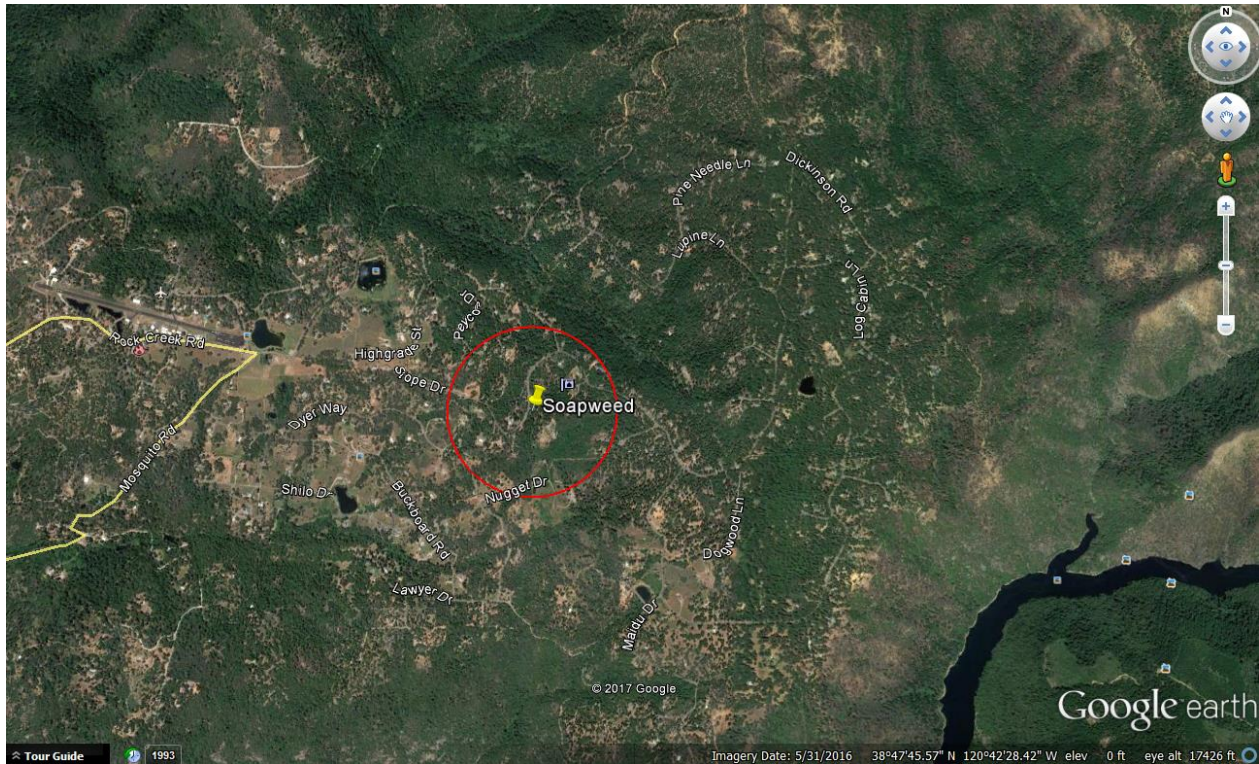
# Proposed LTE 700 Coverage (RC = 130')



June 24, 2017



### Search Ring's Description and Objectives:

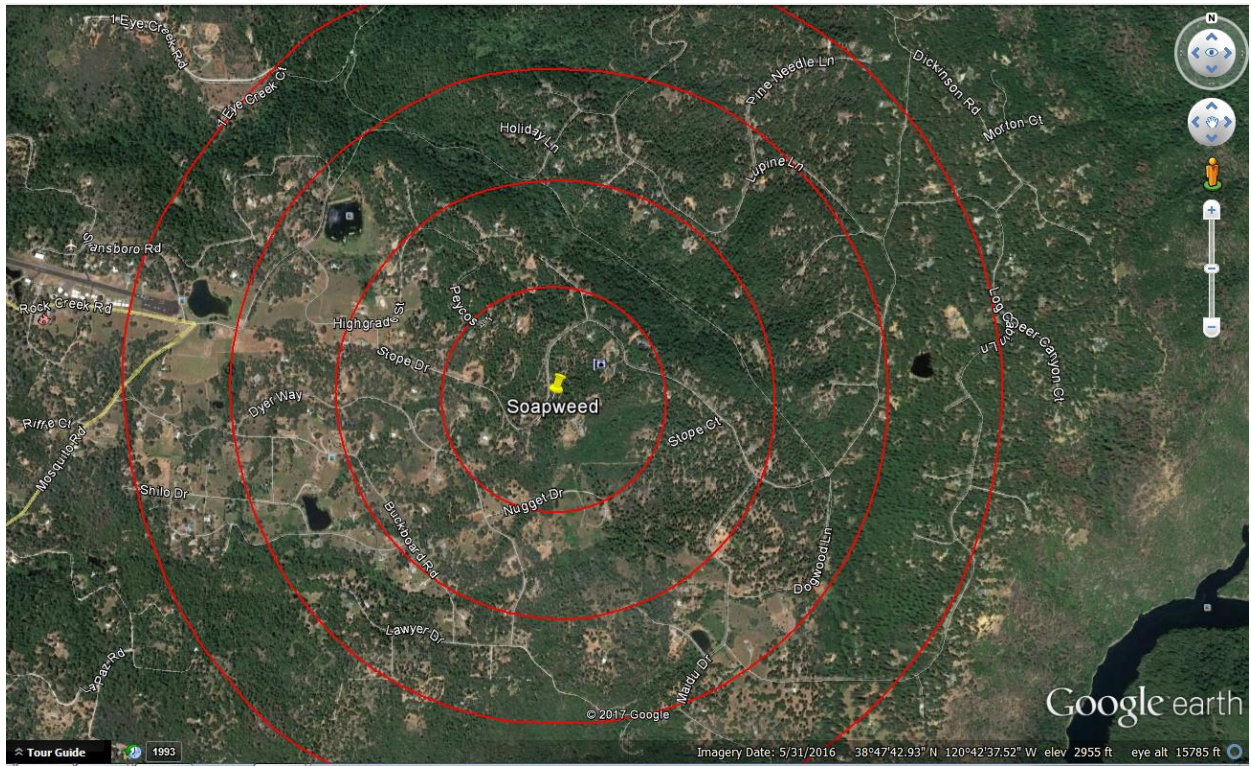


AT&T Mobility is proposing to build and maintain an unmanned wireless telecommunication facility consisting of a 40' x 45' (1,800) square foot enclosed compound (lease area). The compound will include a 140 foot Stealth Monopine tower, one equipment shelter, one 35kw standby propane generator, and one 500 gallon propane tank. This facility will be located at 4070 Stope Road, Placerville, within El Dorado County's jurisdiction in a 10 acre FR-40 zone. The site is approximately 1,360 feet west of Yankee John Creek and the area consists of evergreen trees, and rolling hills with rocky terrain.

AT&T's objective for the Soapweed site is to provide wireless hi-speed broadband internet to a minimum of 350 LU's and cellular services to the nearby residences. This site is to provide hi-speed internet and enhanced cellular coverage & capacity to the Soapweed area, in all directions of the search ring which is a relatively dense underserved area. The site location's elevation is approximately 3,150 feet while the surrounding community's elevation averages around 2,900 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 350 homes.

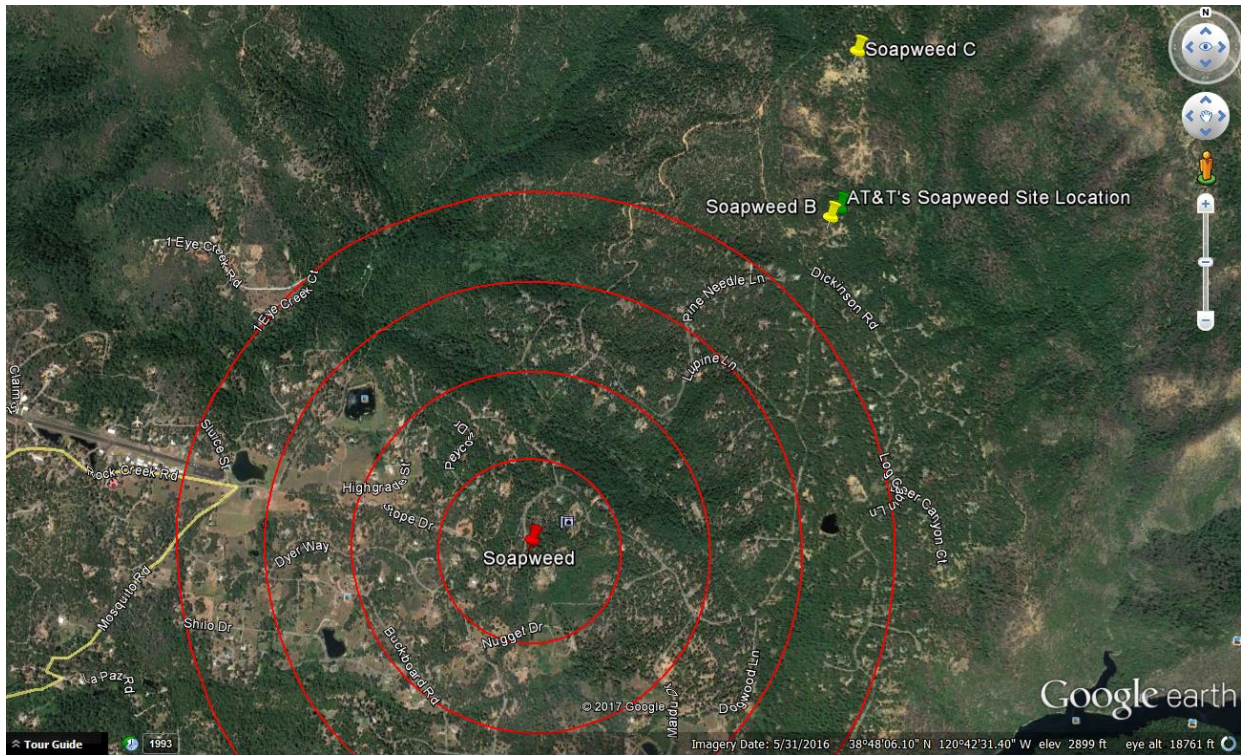
## **Attachment 3 Site 4 Soapweed**

**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. Epic Wireless was forced to search well beyond AT&T's Search Ring due to the restrictions within the Swansboro Home Owners Association.

Each Alternative Site is discussed below:

**Soapweed Alternative Candidate B:**

**3300 Sanctuary Trail, Placerville, CA 95667**

**Latitude/Longitude: 38.807528, -120.698427**

**Proposal – New Tower**



**Considerations:**

Candidate B 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 11.22 acre, FR-40 zoned property owned by Collins and Judith Smith. The property is located on the east side of Sanctuary Road and the site was proposed on the southeast 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 4070 Stope Drive (Subject Parcel).

**Soapweed Alternative Candidate C:**

**3285 Sanctuary Trail, Placerville, CA 95667**

**Latitude/Longitude: 38.814186, -120.696936**

**Proposal – New Tower**



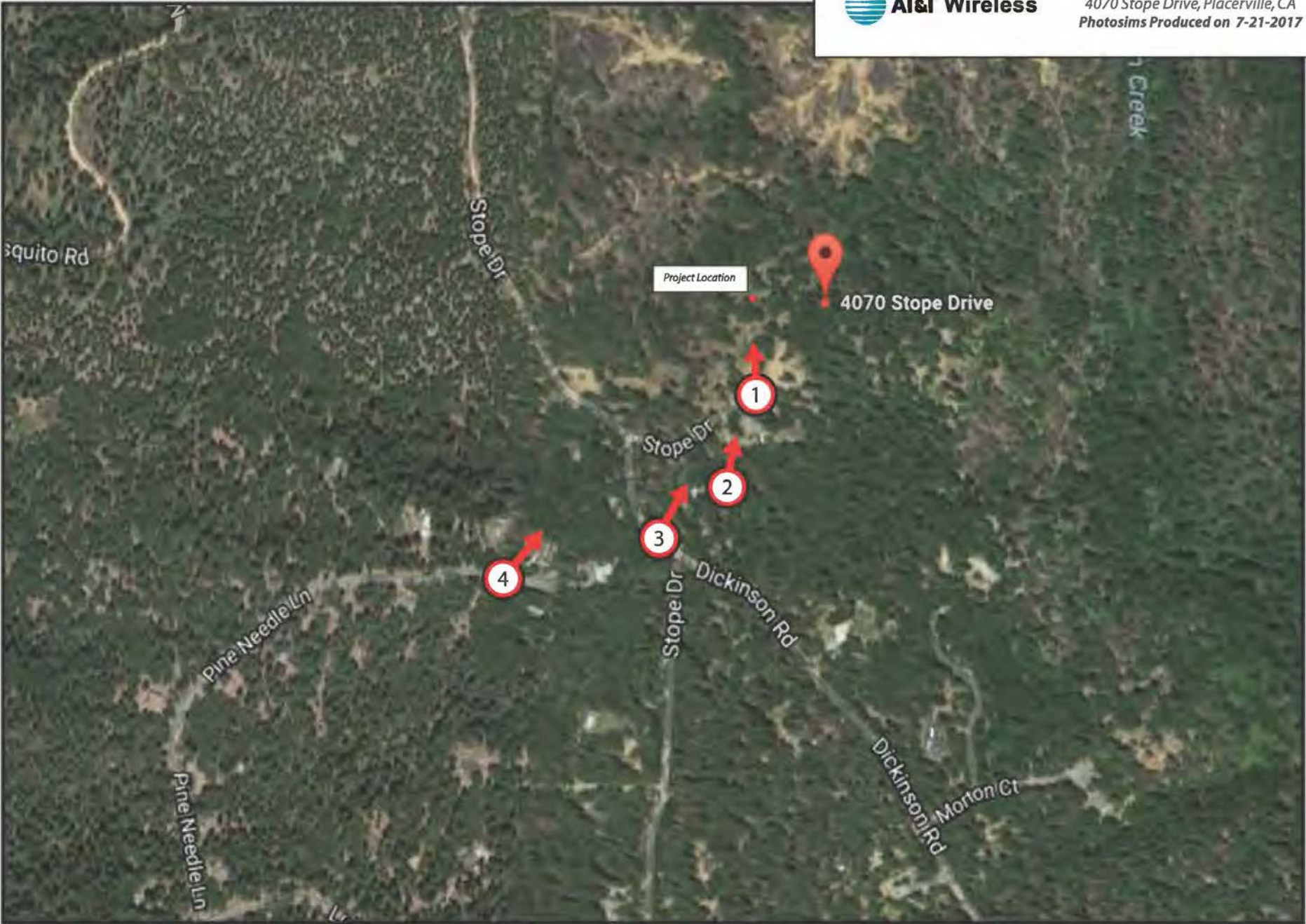
**Considerations:**

Candidate C is located approximately 1.3 miles northeast of the center of AT&T's search ring. The proposed tower would be located on a 20.14 acre, FR-40 zoned property owned by Andrew Blakeman. The property is located on the east side of Sanctuary Trail 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 4070 Stope Drive (Subject Parcel).

**Actual View of the Proposed Location:**

The proposed lease area is located on the north side of the subject property. The site will not interfere with the existing use of the property. Access will be directly off of Stope 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 4 Soapweed**

*Existing*



*Proposed*



*view from property looking north at site*



CVL03411 Soapweed  
4070 Stope Drive, Placerville, CA  
Photosims Produced on 7-21-2017

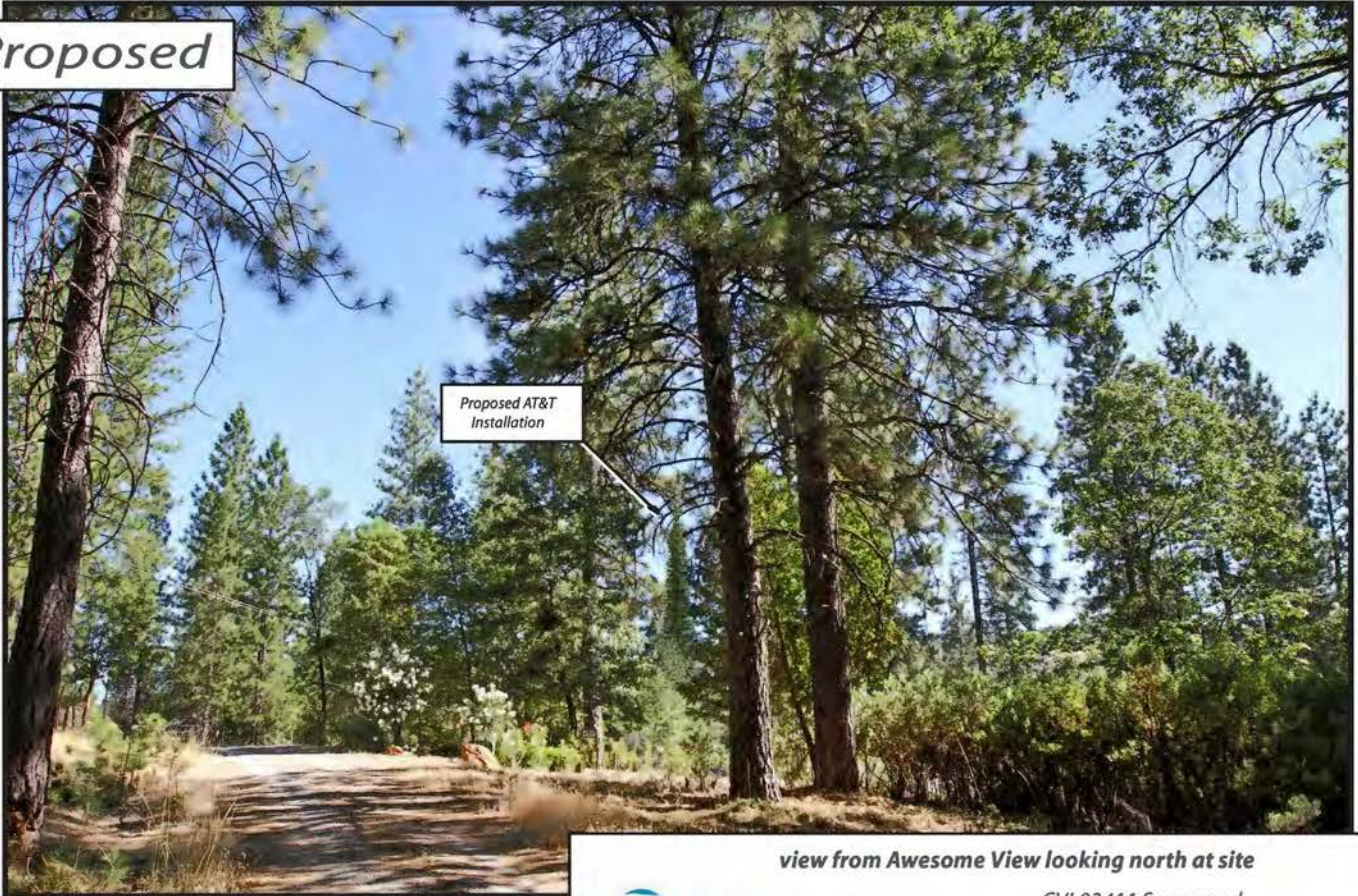




*Existing*



*Proposed*



*view from Awesome View looking north at site*



CVL03411 Soapweed  
4070 Stope Drive, Placerville, CA  
Photosims Produced on 7-21-2017



Contact (925) 202-8507

*Existing*



*Proposed*



*view from Stope Drive looking northeast at site*



CVL03411 Soapweed  
4070 Stope Drive, Placerville, CA  
Photosims Produced on 7-21-2017



*Existing*



*Proposed*



*view from Pine Needle Lane looking northeast at site*  
**AT&T Wireless**  
CVL03411 Soapweed  
4070 Stope Drive, Placerville, 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 = 67.5'
  - a. Generator Decibel level at 67.5' = 37.01 dBa
  - b. HVAC Decibel level at 67.5' = 43.75 dBa
2. Distance to a nearest residence = 440'
  - a. Generator Decibel level at 440' = 20.73 dBa
  - b. HVAC Decibel level at 440' = 27.47 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



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## Radio Frequency Emissions Compliance Report For AT&T Mobility

<b>Site Name:</b> Soapweed	<b>Site Structure Type:</b> Monopine
<b>Address:</b> 4070 Stope Drive Placerville, CA	<b>Latitude:</b> 38.80793
<b>Report Date:</b> July 14, 2017	<b>Longitude:</b> -120.697897
	<b>Project:</b> New Build

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### General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Soapweed site located at 4070 Stope 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)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm <sup>2</sup> )	Averaging Time (minutes)	Power Density (mW/cm <sup>2</sup> )	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 4 Soapweed

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) new RRUS-32

The antennas will be mounted on a 140-foot Monopine with centerlines at 130 and 122 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 25,831 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 0.5455% of the FCC General Population limits (0.1091% 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 0.121% of the FCC General Population limits (0.0242% 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.

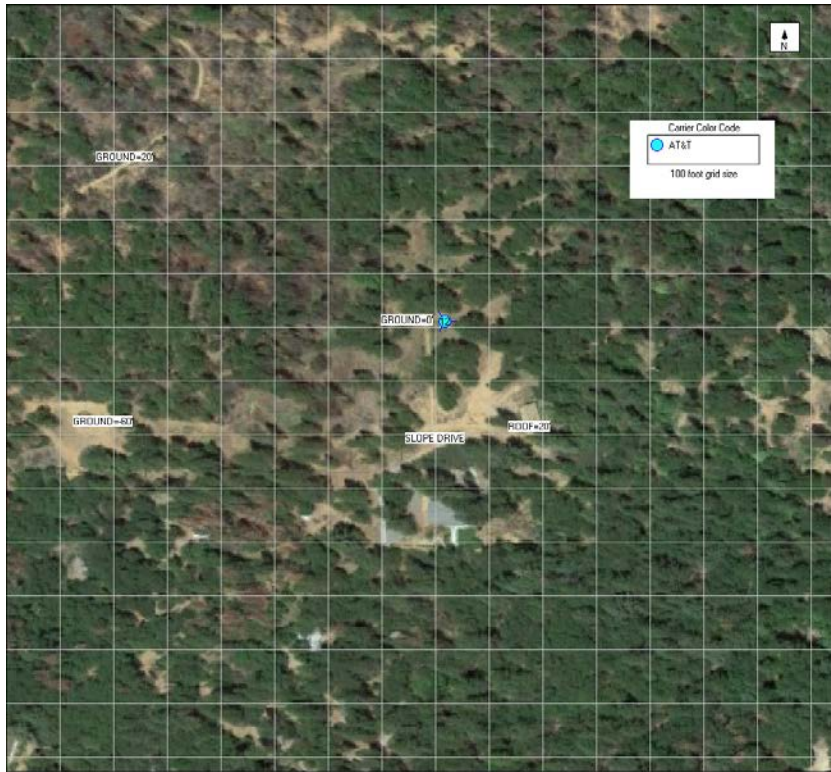


Figure 1: Antenna Locations

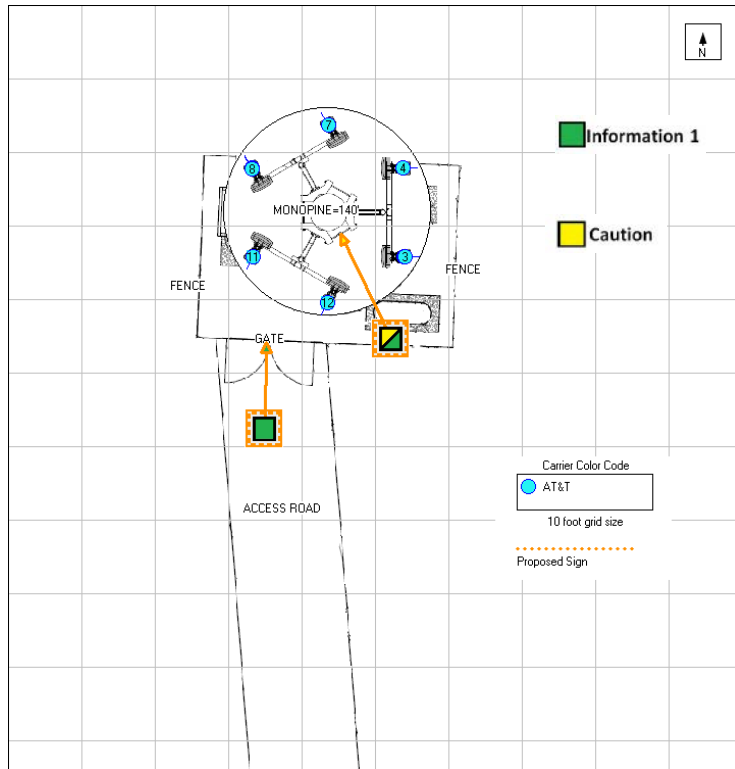


Figure 2: Mitigation Recommendations

## Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 4070 Stope 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.

