WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Short Place**	**Site Structure Type:**	**Monopole**
Address:	**9441 Peavine Ridge Road**	**Latitude:**	**38.78483**
	Pollock Pines, California	**Longitude:**	**-120.49922**
Report Date:	**January 30, 2018**	**Project:**	**New Build**

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Short Place site located at 9441 Peavine Ridge Road, Pollock Pines, California. 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. Based on the criteria for these classifications, the FCC General Population limit is considered to be a level that is safe for continuous exposure time. The FCC General Population limit is 5 times more restrictive than the Occupational limits.

	Limits for General Population/ Uncontrolled Exposure		*Limits for Occupational/ Controlled Exposure*	
Frequency (MHz)	**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.

S 18-0007

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.

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) antennas, four (4) per Alpha, Beta, Gamma sector
- Install nineteen (19) RRUS

The antennas will be mounted on a 160-foot monopole with centerlines at 150 and 140 feet above ground level. The antennas will be oriented toward 0, 240 and 120 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 28,573 Watts. Other appurtenances such as GPS antennas, 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 0.0565% of the FCC General Population limits. Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0% of the FCC General Population 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 RF alerting signage (Caution) at the base of the proposed monopole to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

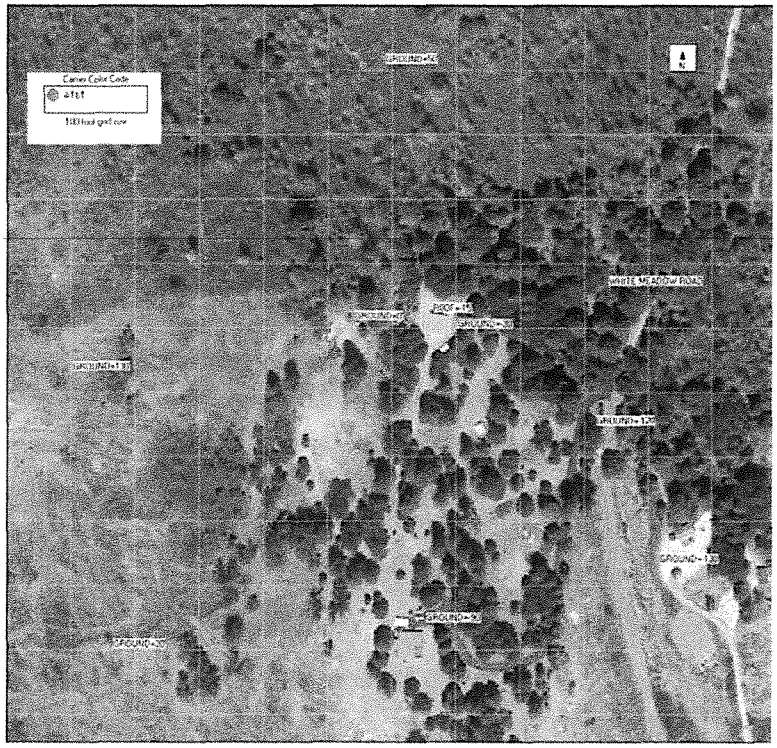
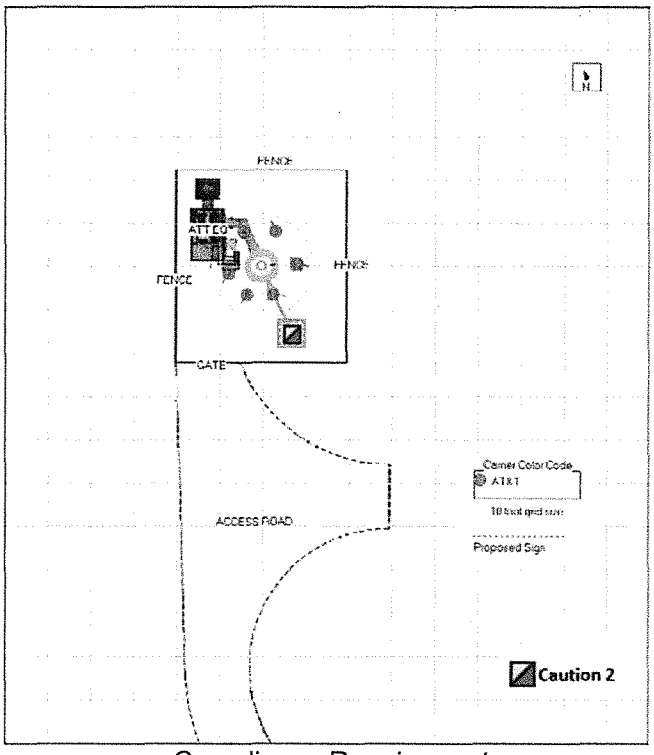


Figure 1: Antenna Locations



Compliance Requirements

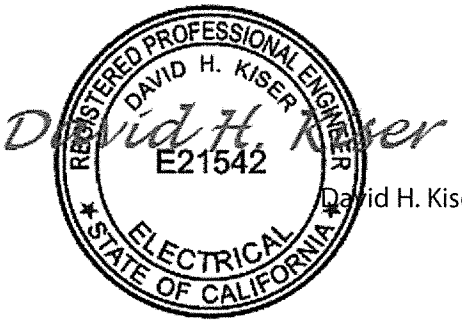
Short Place-New Site 013018

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 9441 Peavine Ridge Road, Pollock Pines, California 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 lattice tower 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.



David H. Kiser, P. E. 2018.01.30 11:36:09 -05'00'

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PROJECT SUPPORT STATEMENT

AT&T PROJECT NAME: CONNECT AMERICA FUND II (CAF II) PROJECT

DEVELOPMENT APPLICATION FOR AT&T SITE "SHORT PLACE"

AT&T SITE NUMBER: CVL03371

AUTHORIZED AGENT:

EPIC WIRELESS GROUP, LLC

ZONING MANAGER:

JARED KEARSLEY; 916-755-1326; jared.kearsley@epicwireless.net

PROPERTY OWNER: FRANK CASTANEDA

(530) 644-6444

APN: 009-610-22

9441 Peavine Ridge Road, Pollock Pines, CA 95726

- PROJECT'S BACKGROUND AND OBJECTIVES
- SEARCH RING'S DESCRIPTION AND OBJECTIVES
- POTENTIAL CO-LOCATIONS
- ALTERNATIVE SITE ANALYSIS
- SUBJECT PARCEL AND SITE DETAILS AND SUPPORTING DOCUMENTS
- OPERATIONAL STATEMENT
- FIRE SUPPRESSION SYSTEM
- OTHER CONSIDERATIONS RELATING TO NEW WIRELESS TELECOMMUNICATION FACILITIES PURSUANT TO 17.14.210 AND 17.22.500 OF THE EL DORADO COUNTY ZONING CODE

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Project Background and objectives:

AT&T is participating in a Federal Government funded project called Connect America Fund (CAF) – which is to provide underserved areas throughout the United States in general and throughout El Dorado County in particular with hi-speed broadband internet. The build-up of hi-speed broadband internet throughout rural/underserved areas will not only drive economic growth in rural America, but will expand the online marketplace nationwide, creating jobs, educational and businesses opportunities across the country. The CAF project is required to provide broadband internet services capable of 10 Mbps download and 1 Mbps upload speeds.

AT&T has the necessary technology that allows them to build out their territory in El Dorado County with the much demanded hi-speed broadband internet to help improve the county's rural infrastructure. AT&T's basis for transmitting and receiving hi-speed broadband internet to residences is executed by providing one site with either a microwave fiber hop or a direct fiber line to the site and transferring the high speeds of fiber to each Living Unit (LU) via wireless signals. Each LU being provided with the service will have a small square antenna located in a vantage point on the property where it has a direct line of site to the tower. The square antenna will send and receive wireless broadband internet providing the LU with a minimum of 10/1 Mbps download and upload speeds, respectively.

AT&T's secondary objective is to provide and enhance AT&T's Wireless Telecommunications services (cellular services) to underserved areas. Cellular services go hand in hand with building the internet infrastructure throughout these underserved areas. People today rely on their mobile devices not only for educational and business purposes, but also for emergency services. Increasing AT&T's cellular coverage and capacity throughout El Dorado County's rural areas while providing wireless broadband internet will greatly assist with enhancing the county's economic growth and the area's infrastructure.

Given the need for direct line of site to residences, a taller than typical tower will be necessary in order to provide wireless broadband internet services to as many homes in the targeted areas as possible. During the tower design phase, the Radio Frequency (RF) engineer study many variables including surrounding tree heights, tree densities, population densities, and surrounding hill tops, in order to properly design a sufficient tower height with the goal of achieving the FCC's track census block mandates of reaching specific LU coverage objectives per area. Living Unit (LU) coverage objectives are provided by the RF engineer using density maps and are based on the area's approximate population. AT&T's goal is not only to reach the coverage objective, but to outperform the coverage objective to ensure that the maximum amount of homes are being provided this service while taking into consideration a small margin of error during the simulation process.

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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 pre-manufactured equipment cabinet, and one 15KW DC standby diesel generator. This facility will be located at 9441 Peavine Ridge Road, Pollock Pines, within El Dorado County's jurisdiction in a 10.70 acre RL-10 zone. The site is approximately 1.11 miles northwest of US Highway 50 and the area consists of large "evergreen" trees, and rolling hills with rocky terrain.

AT&T's objective for the Short Place site is to provide wireless hi-speed broadband internet to the surrounding community and cellular services to the nearby residences in addition to U.S. Highway 50. Just west of the search ring is a relatively dense underserved area and to the south is U.S. Highway 50. The site location's elevation is approximately 4,011 feet while the surrounding community's elevation averages around 3,600 feet, giving the homes within the surrounding community great potential for line of site to the tower. U.S. Highway 50's average elevation is 3,200 feet, therefore, the highway's coverage will significantly increase and will enhance the safety for highway travelers. After running a coverage simulation at the site location, AT&T is anticipating meeting and beating their FCC objective for the targeted area and will fill significant coverage gaps along U.S. Highway 50.

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Potential Co-locations:

There is one existing tower owned by American Tower Corporation that was analyzed by AT&T's RF engineer team for a potential Co-Location. The tower is located at 9571 White Meadow Road and is approximately 1.3 miles east of the center of the Search Ring and approximately 1.75 miles east of the proposed AT&T site location. The tower is 122 feet tall with an available antenna height of 97'. If the tower was capable of being structurally modified to allow for a taller tower, an available antenna height would then be 127 feet, however, a tower modification would have to be justified with a Structural Analysis.

Provided the elevation at the existing tower is 3,740 feet and the elevation at the proposed site location is 4,011 with a difference of 271 feet, the total difference in antenna height would be 294 feet (in the event the tower was modified for a taller antenna height). Additionally, the existing tower is over a mile away from the nearest residence, therefore, this tower's coverage would not suffice for the Short Place Search Ring under the CAF II Project. Being placed above a bend in U.S. Highway 50, the existing tower was strategically located to gain great coverage over a major stretch of the Highway. Furthermore, the existing tower wasn't built to cover residences, but, primarily to capture vehicular travelers.

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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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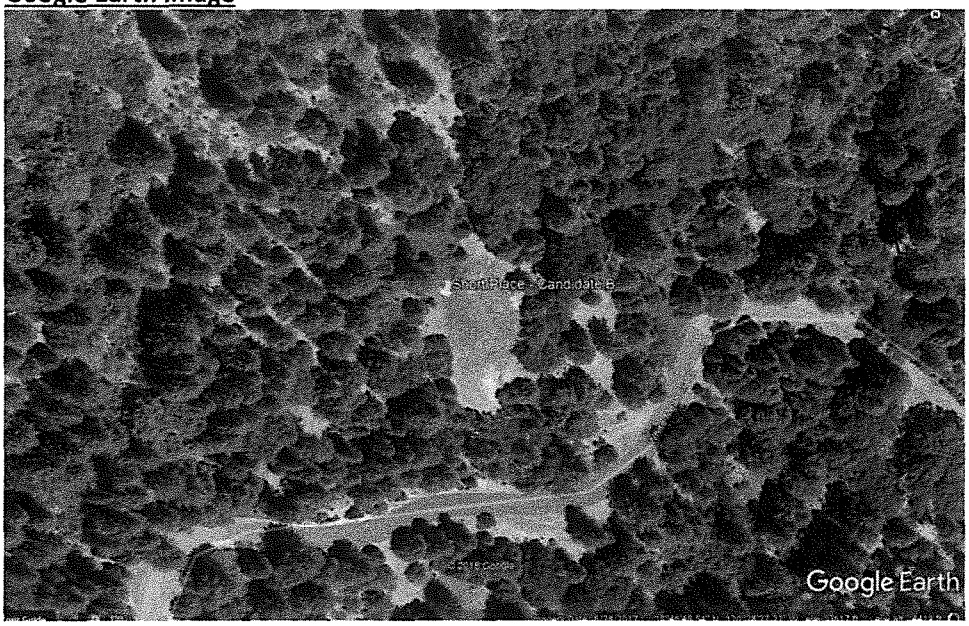
Short Place Alternative Candidate B:

9571 White Meadow Rd., Pollock Pines, CA

Latitude/Longitude: 38.780162, -120.474362

Proposal – New Tower

Google Earth Image



Site View:

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Considerations:

Candidate B is located approximately 0.90 miles east of the center of AT&T's search ring. The proposed tower would be located on a 200 acre, TPZ zoned property owned by Sierra Pacific Industries. The property is located on the north side of White Meadow Road and the site was proposed on the south side of the property. Candidate B was chosen as AT&T's third preferred candidate as the RF Engineer's simulation yielded approximately 68% fewer LU's than the subject site located at 9441 Peavine Ridge Road. Additionally, this site covered 64% fewer LU's than the FCC requirement for the targeted area. No known oak resources would be lost at this site location. This site would have a low visual impact on the surrounding area given no homes are within the vicinity.

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Short Place Alternative Candidate C:

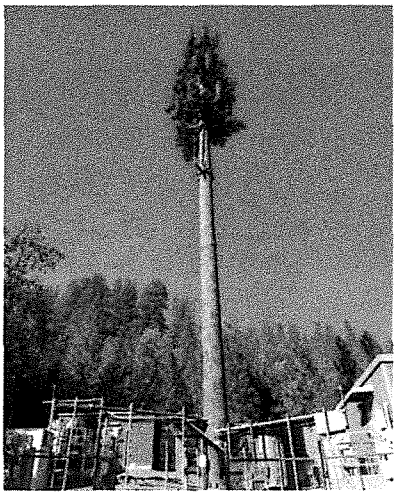
9571 White Meadow Rd., Pollock Pines, CA

Latitude/Longitude: 38.890607, -120.960573

Proposal – Colocation on Existing Tower

Google Earth Image

Site View:



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Considerations:

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Provided the elevation at the existing tower is 3,740 feet and the elevation at the proposed site location is 4,011 with a difference of 271 feet, the total difference in antenna height would be 294 feet (in the event the tower was modified for a taller antenna height). Additionally, the existing tower is over a mile away from the nearest residence, therefore, this tower's coverage would not suffice for the Short Place Search Ring under the CAF II Project. Being placed above a bend in U.S. Highway 50, the existing tower was strategically located to gain great coverage over a major stretch of the Highway. Furthermore, the existing tower wasn't built to cover residences, but, primarily to capture vehicular travelers.

The Existing Tower yielded 45% less LUs than the proposed site location on 9441 Peavine Road, and 36% fewer LUs than the FCC's requirement for the targeted area. For that reason, the Existing Tower is not a viable co-locatable opportunity.

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Additional alternative sites considered and letters of interest sent out but received either no response by landlords or uninterested landlords included the following parcels:

9599 White Meadow Road, Pollock Pines – APN: 009-040-43-100; Owner: Robert and Deborah Kirtlan

9560 White Meadow Road, Pollock Pines– APN: 009-610-16-100; Owner: Elizabeth and Michael Murphy

Google Earth Image of Additional Alternative Sites:

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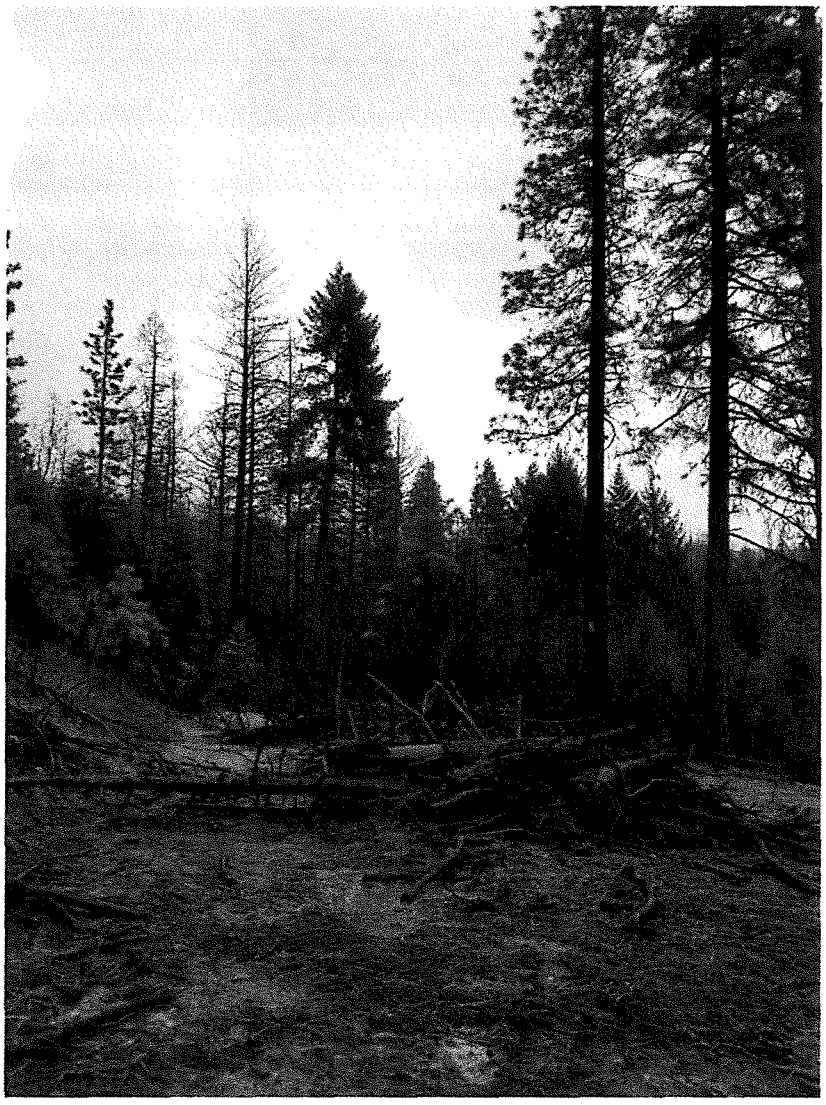
Actual View of the Proposed Location:

The proposed lease area is centrally located on the property. The site will not interfere with the existing use of the property and is an allowed use for the zone subject to an approval of a Conditional Use Permit. Access will be directly off of Peavine Ridge Road. The site is elevated above the surrounding area and has great potential for line of site to the community down below the subject parcel. The site isn't intrusive to nearby residents nor their view points from their properties. The nearest residence is approximately 580 feet to the east and sits 128 feet lower than the site location. The residence has foliage shielding their view to the site. The second closest residence is approximately 795 feet to the south and sits 100 feet below the site location and is divided by a hill top to hide the facility from the property. The subject Property is the most north property and is elevated the highest compared to any nearby properties, therefore, no viewpoints will be in jeopardy. Provided this site meets and exceeds the FCC's requirements for the targeted area and is aesthetically non-intrusive to the surrounding area, this is the best site location for the Short Place Search Ring.



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Planning Services

Home > Government > Planning

PARCEL DATA INFORMATION

3/28/2018

Enter Another Parcel

Assessor's Parcel Number: 009-610-22

PROPERTY INFORMATION:

STATUS	JURISDICTION	TAX RATE	MAP	ACREAGE
ON ASSESSMENT ROLL AND TAXED	COUNTY OF EL DORADO	59 - 4	PM 9/14/2	10.7

2015 GENERAL PLAN LAND USE INFORMATION:

LAND USE DES.	AG DIST.	ECOLOGICAL PRESERVES	IMPORTANT BIOLOGICAL CORRIDOR	MINERAL RESOURCES	PLATTED LANDS	COMMUNITY REGIONS	RURAL CENTERS	SPECIFIC PLANS	ADOPTED PLAN NAME
RR					PL				

2015 ZONING INFORMATION:

ZONING DESIGNATION	DESIGN CONTROL	PLANNED DEVELOPMENT	OTHER OVERLAYS
RL-10			

2004 GENERAL PLAN LAND USE INFORMATION:

LAND USE DES.	AG DIST.	ECOLOGICAL PRESERVES	IMPORTANT BIOLOGICAL CORRIDOR	MINERAL RESOURCES	PLATTED LANDS	COMMUNITY REGIONS	RURAL CENTERS	SPECIFIC PLANS	ADOPTED PLAN NAME
RR					PL				

2004 ZONING INFORMATION:

ZONING DESIGNATION	DESIGN CONTROL	PLANNED DEVELOPMENT	OTHER OVERLAYS
RE-10			

DISTRICTS:

FIRE	CSD	SCHOOL	WATER
UNASSIGNED		POLLOCK PINES	UNASSIGNED

FLOOD ZONE INFORMATION **(See Note below):**

FIRM PANEL NUMBER & REVISION	PANEL REVISION DATE	FLOOD ZONE	FLOOD ZONE BUFFER	FLOODWAY
06017C0560E	PANEL NOT PRINTED	D		
06017C0575E	PANEL NOT PRINTED	D		

MISCELLANEOUS DATA:

SUPERVISORIAL DISTRICT		AG PRESERVE	RARE PLANT MITIGATION AREA	MISSOURI FLAT MC&FP
5	SUE NOVASEL			No

REMARKS:

No Eligibility Review Required

NOTE: The flood zone information presented here is based solely on data derived from the FEMA Flood Information Rate Maps, and does not include data from any other flood studies.

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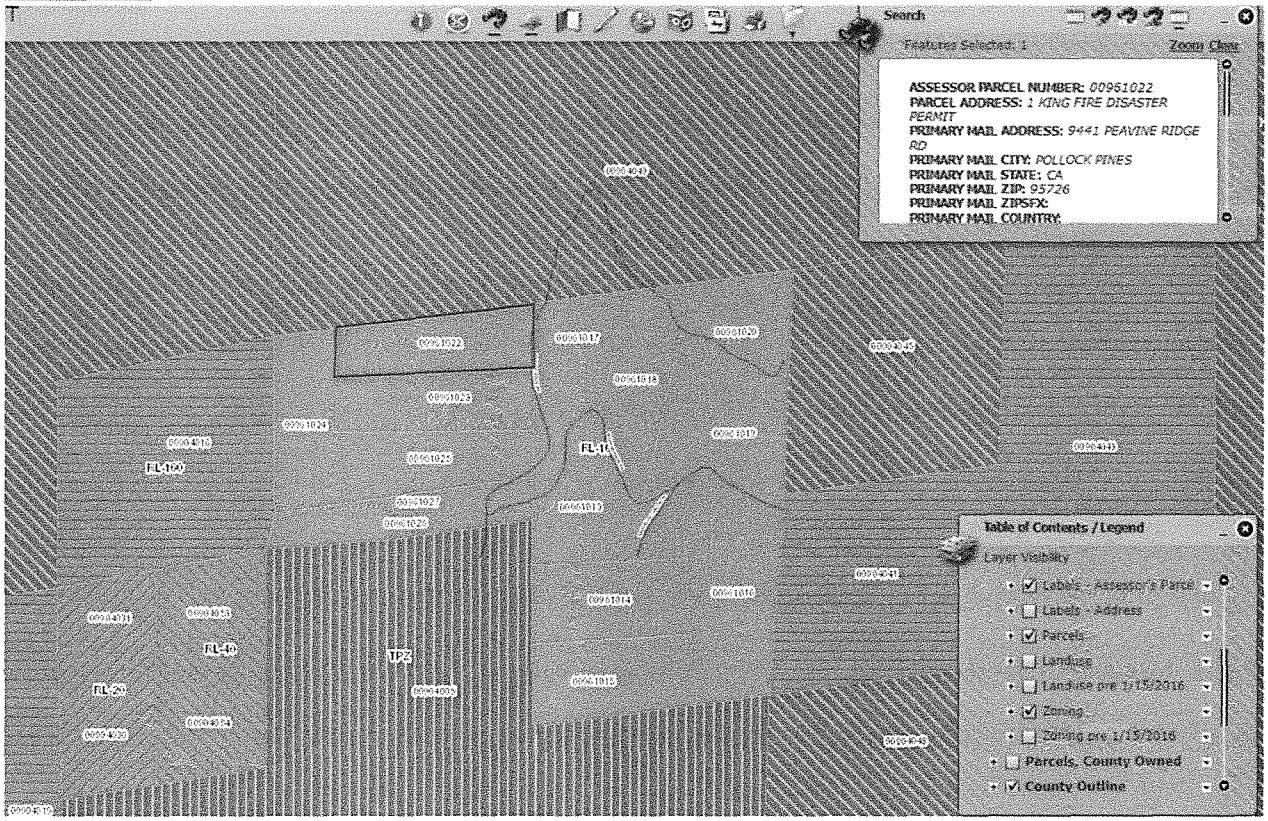
Zoning Map:



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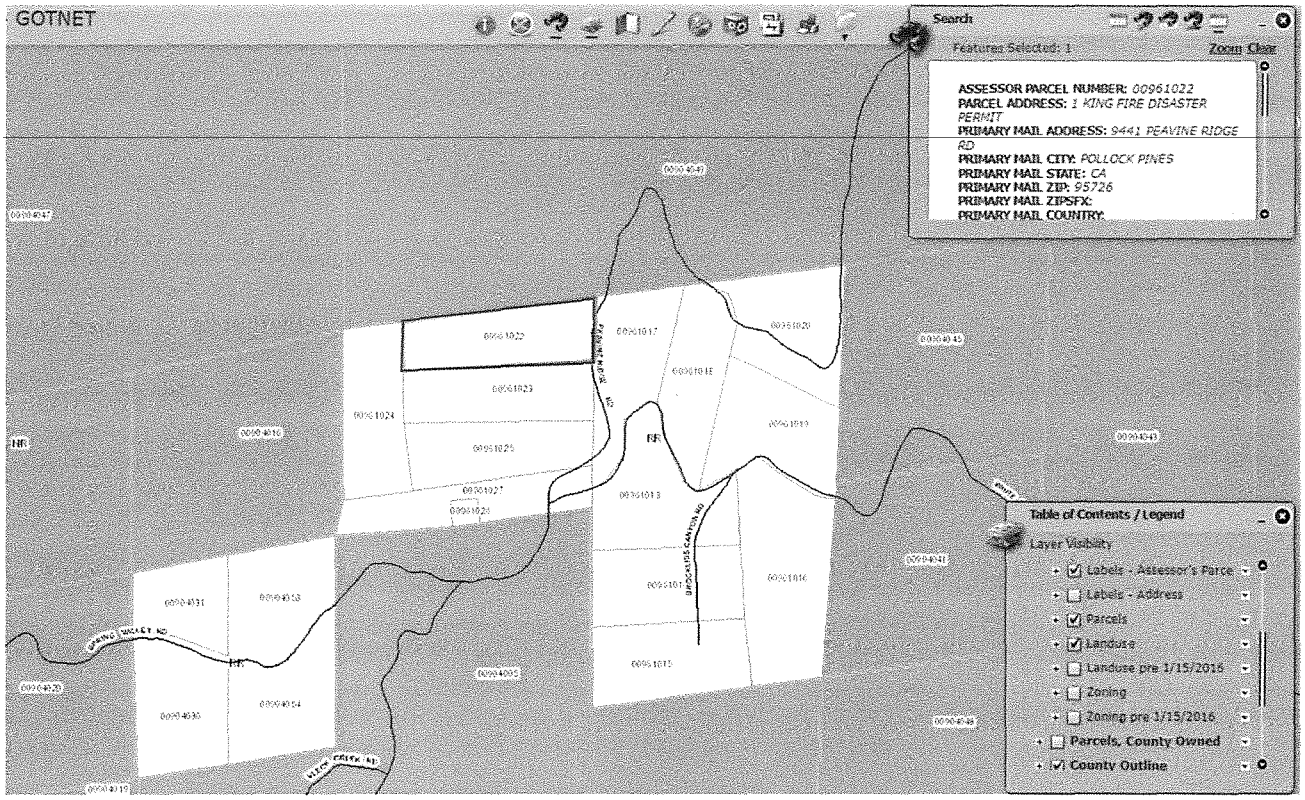
Land Use Map:



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Overhead View of Lease Area and Distances to nearby residences:

Emergency 15kw Diesel Generator and 1 Ton HVAC Noise Analysis:

- **Equation and Calculation Method:**

The sound analysis methods and results are hypothetical only, using Sound Level and Distance calculations. These calculations do not take outside sounds, trees, hills, buildings, and other sound dampening variables into consideration, but, only raw sound levels after specific traveled distances which results in the worst case scenario for the sounds of the onsite backup generator and HVAC systems.

The use of emergency equipment is exempted from these limits per section 130.37.20(B).

Formulas to calculate the sound level L in dB (sound pressure level or sound intensity level) in dependence of the distance r.

Sound level L and Distance r

$$L_2 = L_1 - \left|20 \cdot \log\left(\frac{r_1}{r_2}\right)\right| \qquad L_2 = L_1 - \left|10 \cdot \log\left(\frac{r_1}{r_2}\right)^2\right|$$

$$r_2 = r_1 \cdot 10^{\left(\frac{|L_1 - L_2|}{20}\right)} \qquad r_1 = \frac{r_2}{10^{\left(\frac{|L_1 - L_2|}{20}\right)}}$$

Sound pressure level (dB)	=	Sound intensity level (dB)
$L_2 = L_1 - \left\|20 \cdot \log\left(\frac{r_1}{r_2}\right)\right\|$		$L_2 = L_1 - 10 \cdot \lg\left(\frac{r_1}{r_2}\right)^2$

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Sound Specifications:

- Emergency Generator Model: SD015 Generac
  - Average decibel (dBa) level at 23 feet = 65 dBa
- 1 Ton HVAC Model: HVAC MarvairSlimPacECUA12ACA
  - Average decibel (dBa) level at 30 feet = 46.5 dBa
  - HVAC is intrinsically compliant with El Dorado County's Noise Level Standards, per Table 1 below, 130.37.060.1

Findings:

1. Distance to the nearest Property Line of APN 009-610-17 = 520'
   a. Generator Decibel level at 520' = 37.91 dBa
2. Distance to the Residence at APN 009-610-17 = 580'
   a. Generator Decibel level at 580' = 36.97 dBa
3. Distance to nearest vacant property line at APN: 009-040-49 = 153'
   a. Generator Decibel level at 153' = 48.54 dBa

Conclusion:

After calculating all decibel levels at each nearby property line and residence, the onsite Emergency Backup Generator 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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Operation Statement:

This project is an AT&T Mobility unmanned Telecommunication Wireless Facility. It will consist of the following:

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. PAVED ACCESS IMPROVEMENT FROM ROW
3. 40'X45' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT CABINET AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 160'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (19) PROPOSED (3) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 4' MICROWAVE DISHES
11. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VYNAL SLATS
12. ADD 15KW DC DIESEL GENERATOR

The facility will operate 24 hours a day 7 days a week. Maintenance workers will visit the site approximately once a month. A 15 foot wide access route will be created directly from Peavine Ridge Road. There will be minimal noise from the standby generator, turning on once a week for 15 minutes for maintenance purposes and during emergency power outages. The Facility is approximately 580 feet west of a residence, and approximately 795 feet north of another. The location is surrounded by evergreen trees which will naturally stealth the facility in addition to being at a higher elevation than the surrounding neighbors. The surrounding area is covered with evergreen tree backdrops. The tower will be built to provide co-location opportunities.

Fire Suppression System:

A 15 foot wide access route will be created directly from Peavine Ridge Road with one fire "turnout" within the driveway. A Hammer Head Fire Turnaround will be proposed within the access route at the Facility. A Fire Department Knox Box will be located at the Property's access gate and at the Facility's access gate. Additionally, a 2A:20BC Rated Fire Extinguisher in a weather resistant cabinet will be mounted on the exterior wall of the proposed shelter.

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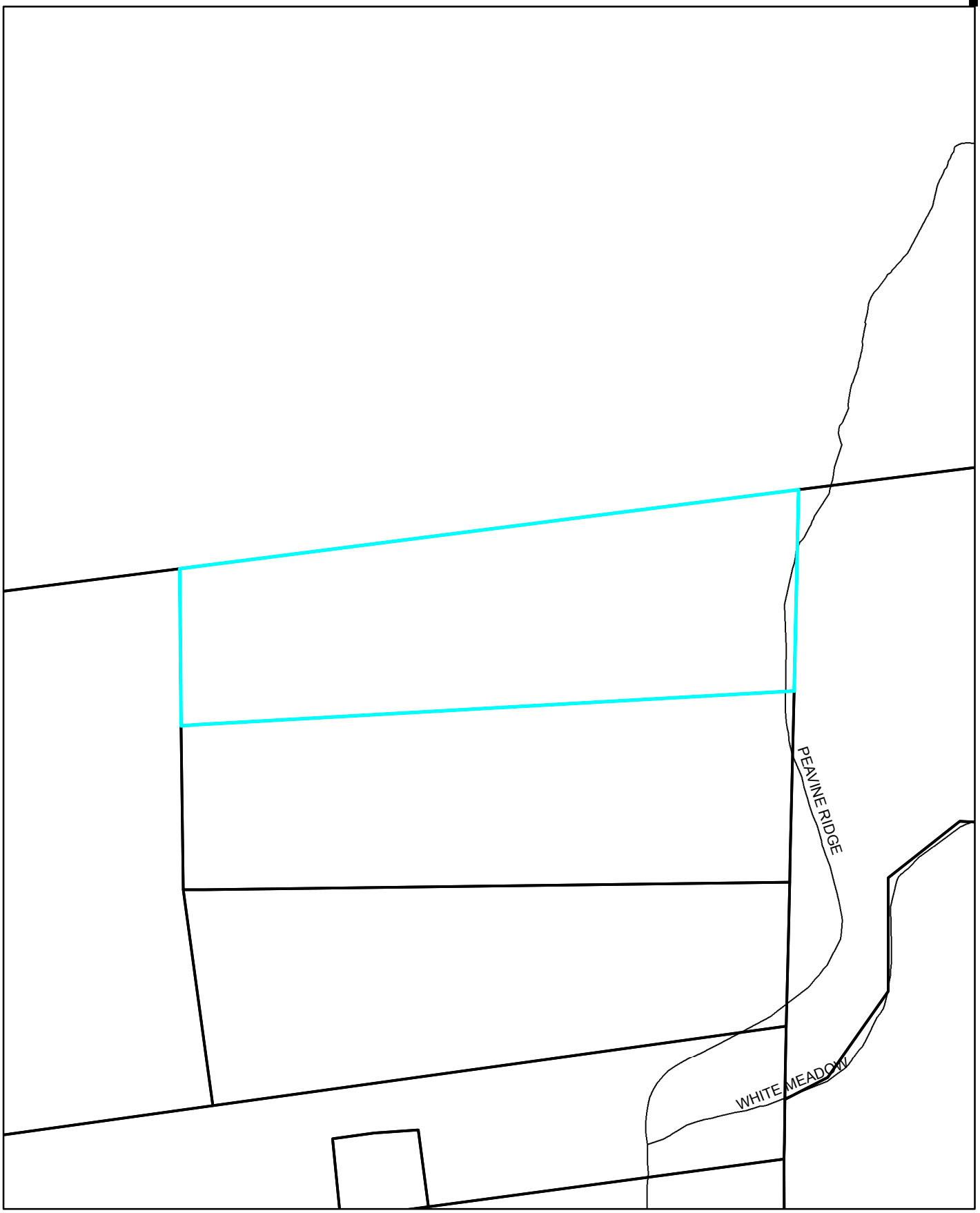
Conclusion:

Candidate A, 9441 Peavine Ridge Road, meets the FCC's mandated objectives for the targeted area of Short Place and is the best choice for the surrounding area. The chosen location will meet and exceed the FCC's mandated coverage objectives with providing hi-speed broadband internet to homes in the Short Place's Targeted area of El Dorado County. The Stealth Monopine Tower design has been chosen to blend into the existing surrounding environment as the least intrusive means while filling AT&T's gap in coverage. Significant Coverage Gaps will be filled along U.S. Highway 50 and the surrounding community. Existing foliage on the subject parcel and surrounding parcels yields a stealthed compound from all directions. No oak woodlands will be impacted/removed for this location. No special species or protected animals will be impacted per the biological resource assessment prepared by Sycamore Environmental Consultants, Inc.

Exhibit C: Location Map



N

650

Feet

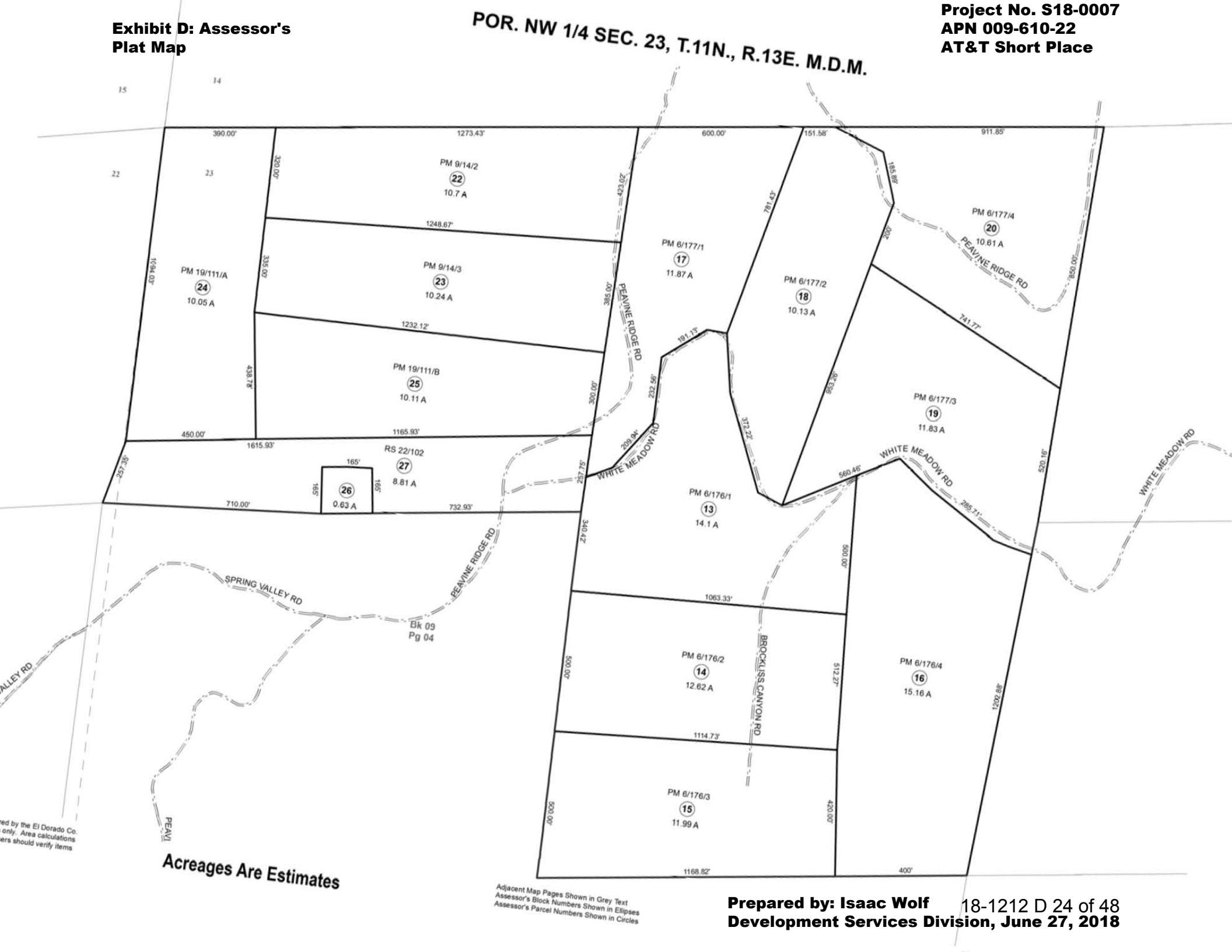
Prepared by:
Isaac Wolf
Planning Services Department
June 27, 2018

Project No. S18-0007
AT&T Short Place Monopine
APN: 009-610-22

Scale: 1:3200

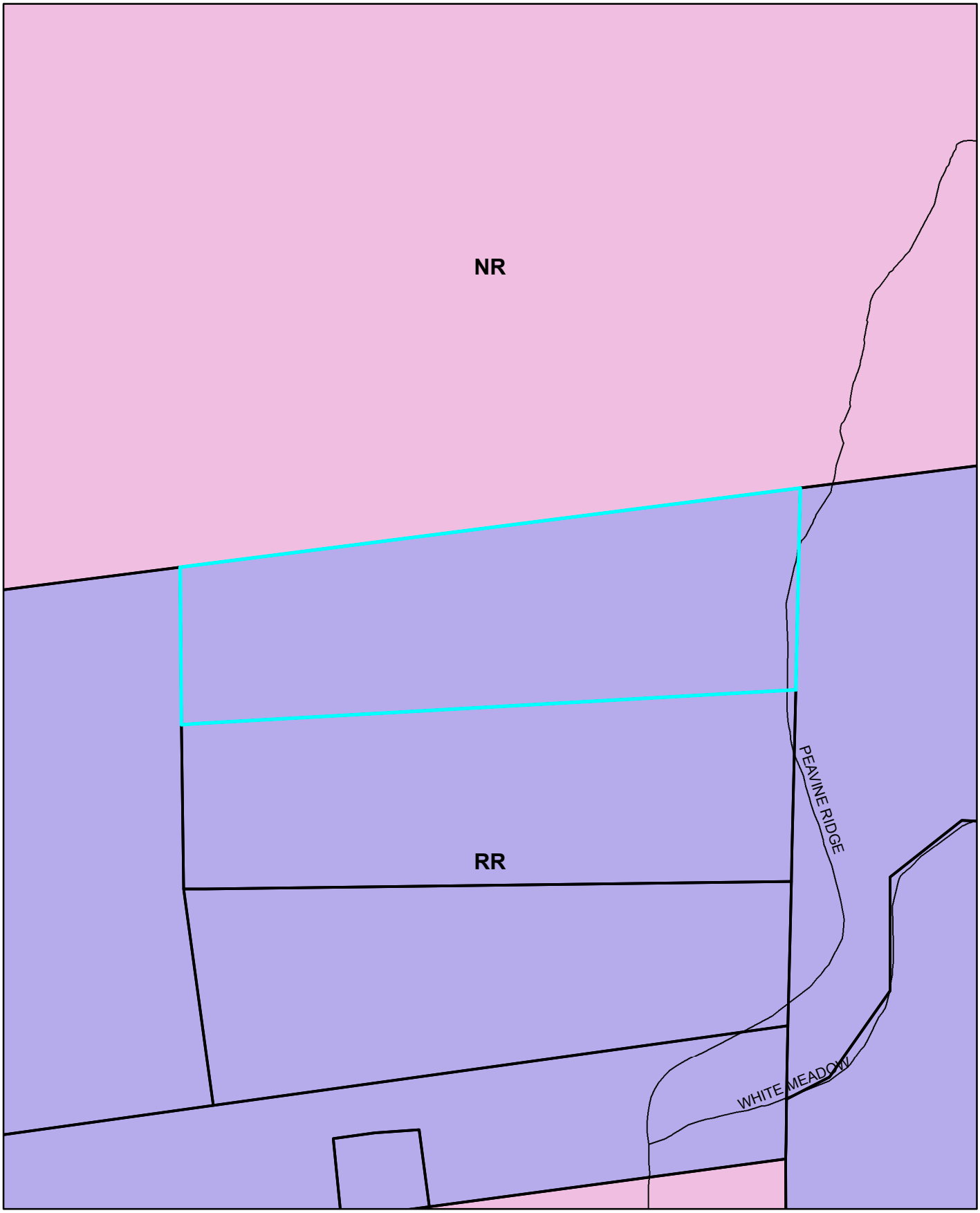
Exhibit D: Assessor's Plat Map

Project No. S18-0007
APN 009-610-22
AT&T Short Place



Prepared by: Isaac Wolf
Development Services Division, June 27, 2018

Exhibit E: General Plan Map



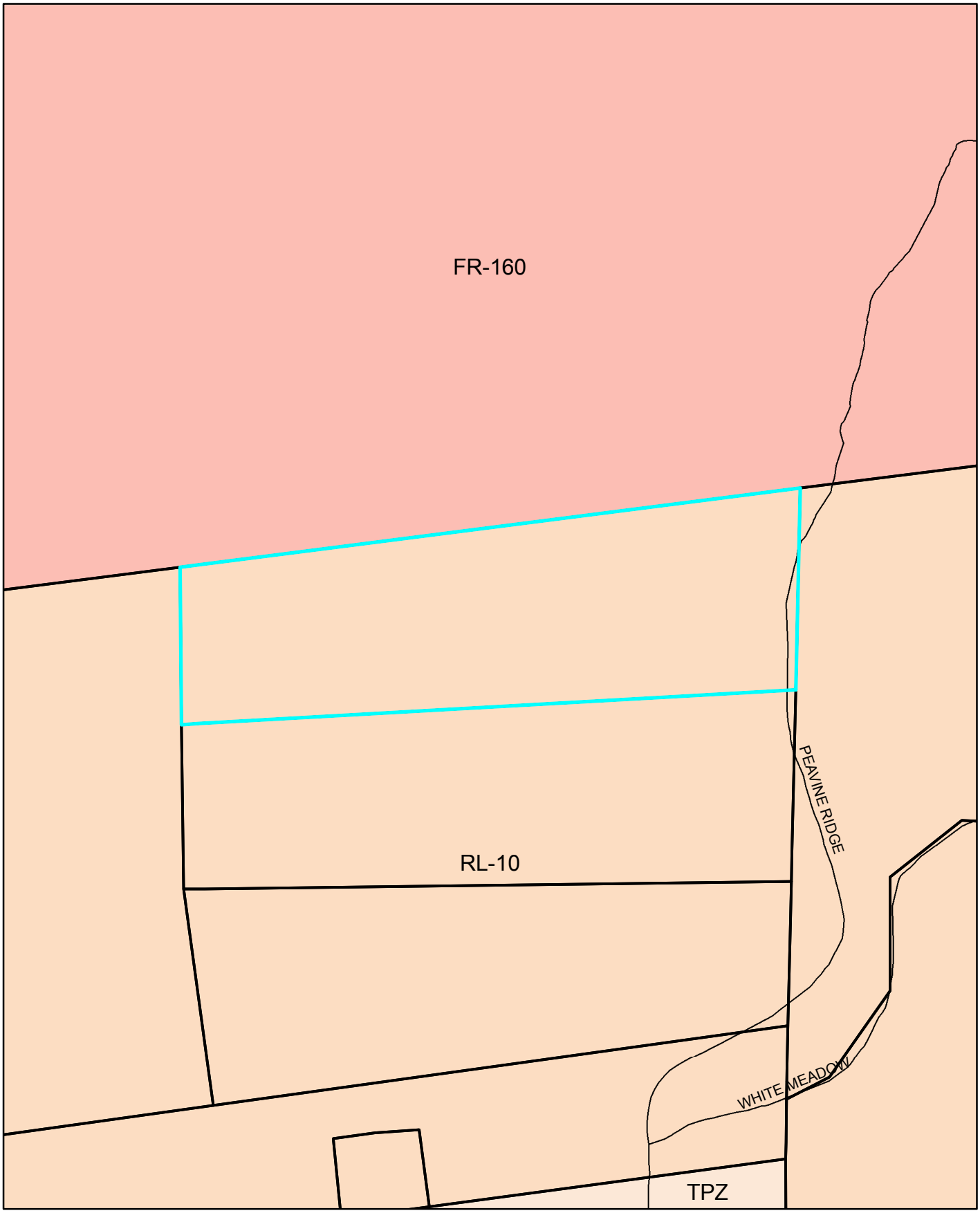
650 Feet

Prepared by:
Isaac Wolf
Planning Services Department
June 27, 2018

Project No. S18-0007
AT&T Short Place Monopine
APN: 009-610-22

Scale: 1:3200

Exhibit F: Zoning Map



N

650 Feet

Prepared by:
Isaac Wolf
Planning Services Department
June 27, 2018

Project No. S18-0007
AT&T Short Place Monopine
APN: 009-610-22

18-1212 D 26 of 48
Scale: 1:3200

Exhibit G: Aerial Map

Prepared by:
Isaac Wolf
Planning Services Department
July 2, 2018

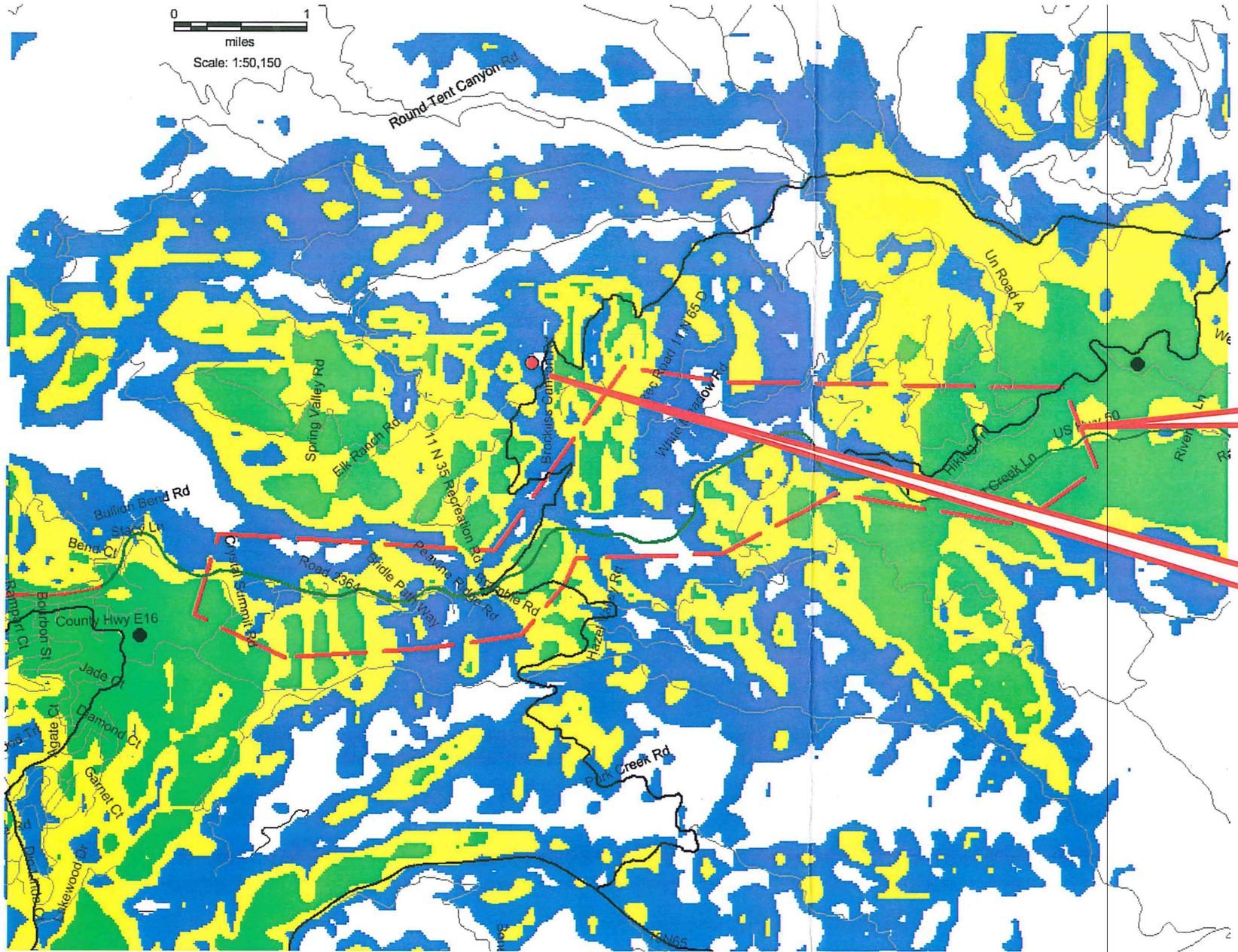
Project No. S18-0007
AT&T Short Place Monopine
APN: 009-610-22

650
Feet
Scale: 1:3200

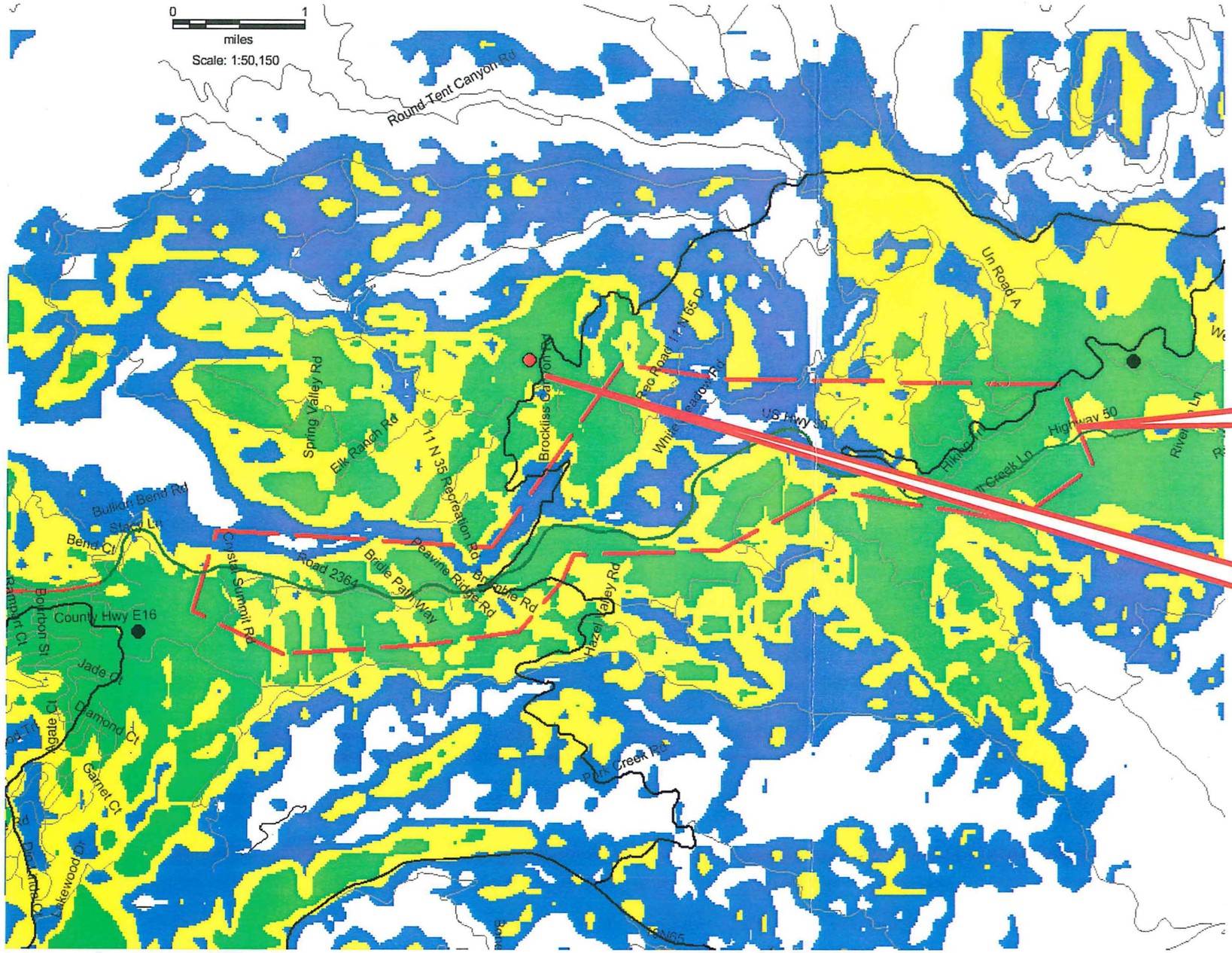
CVL03371 Zoning Propagation Map

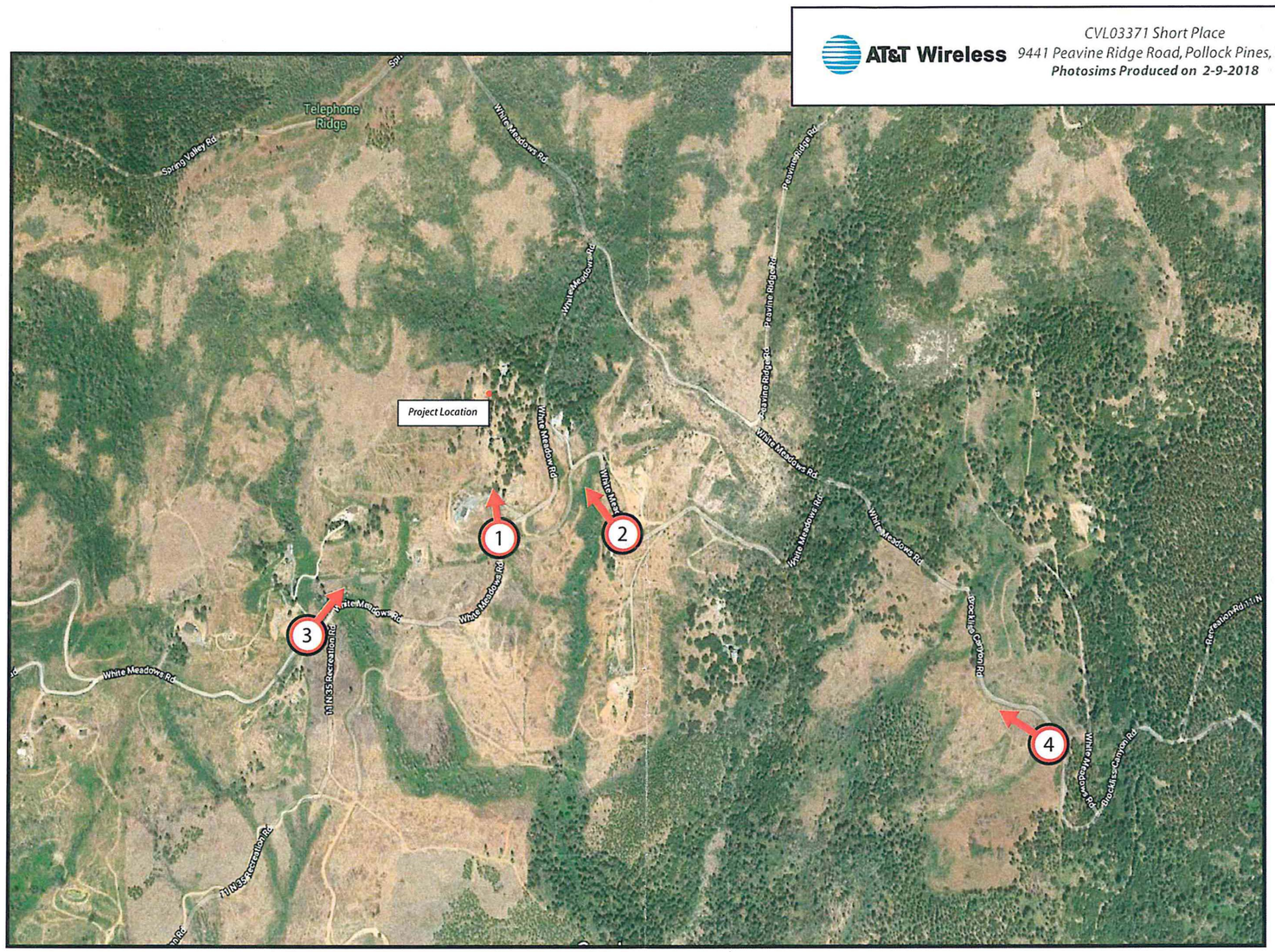
February 06, 2018

Existing LTE 700 Coverage



Proposed LTE 700 Coverage (RC = 150')





AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

S 18-0007

Existing

Proposed

view from Peavine Ridge Road looking north at site

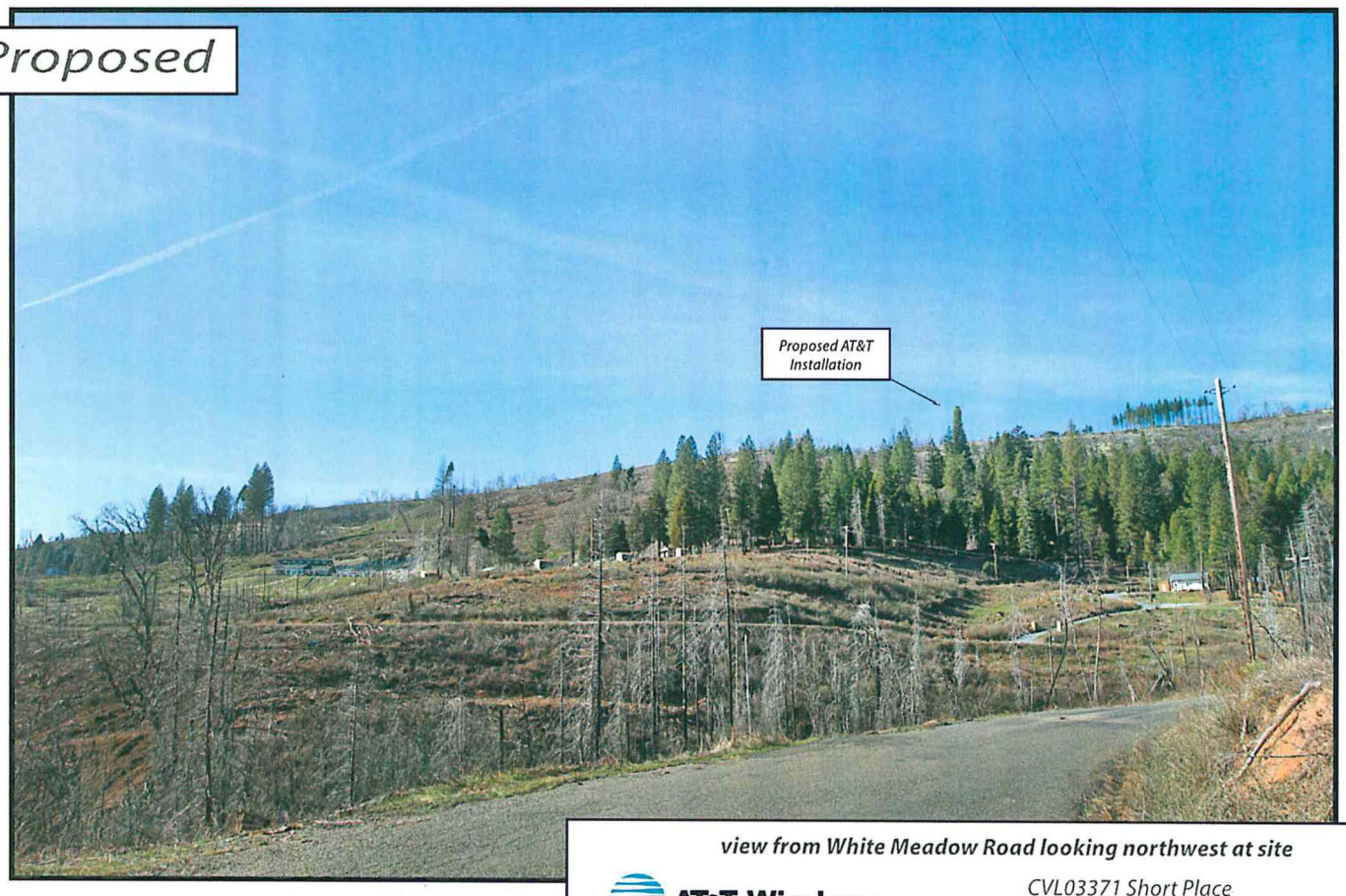
AT&T Wireless

CVL03371 Short Place
9441 Peavine Ridge Road, Pollock Pines, CA
Photosims Produced on 2-9-2018

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

Proposed



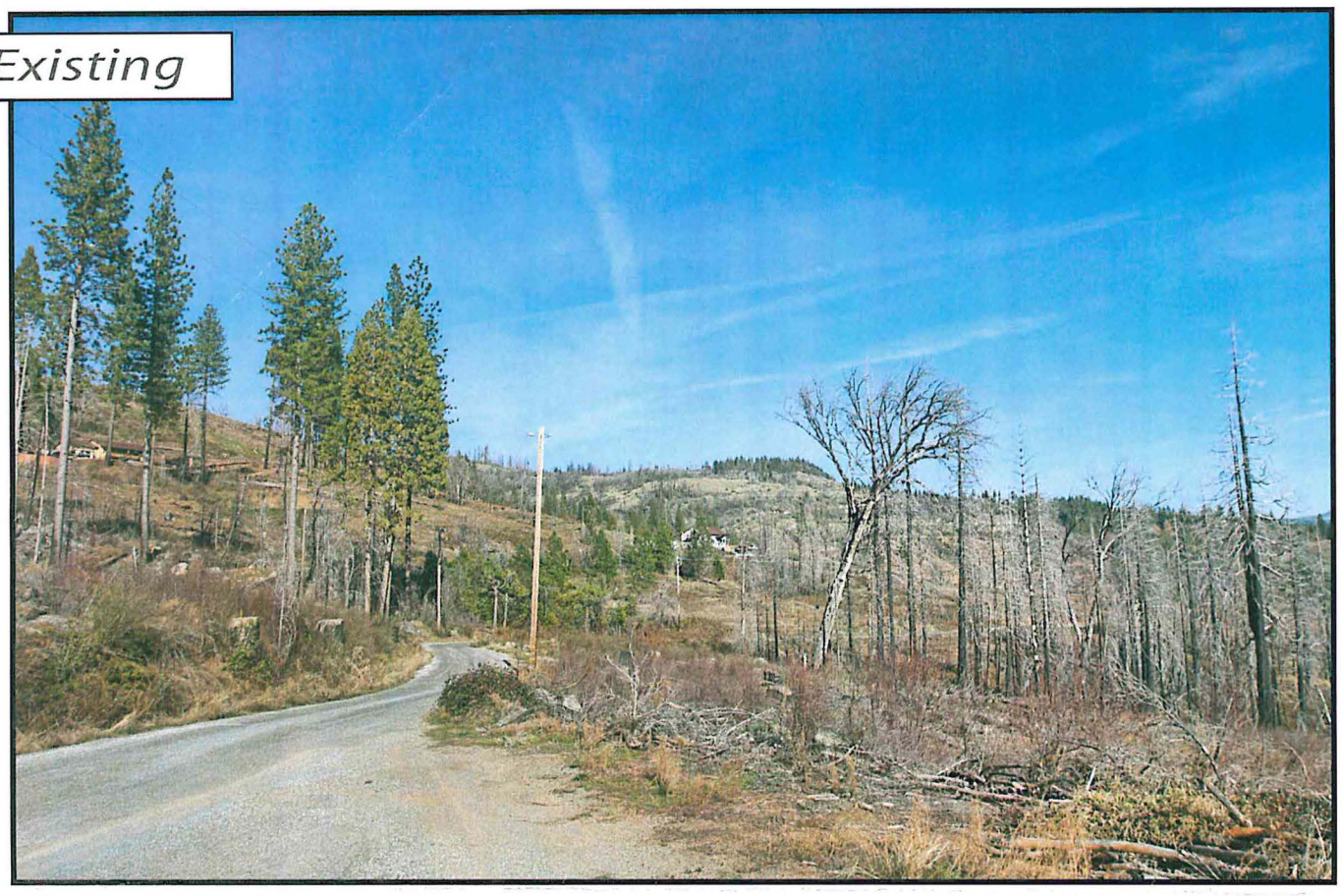
view from White Meadow Road looking northwest at site

AT&T Wireless

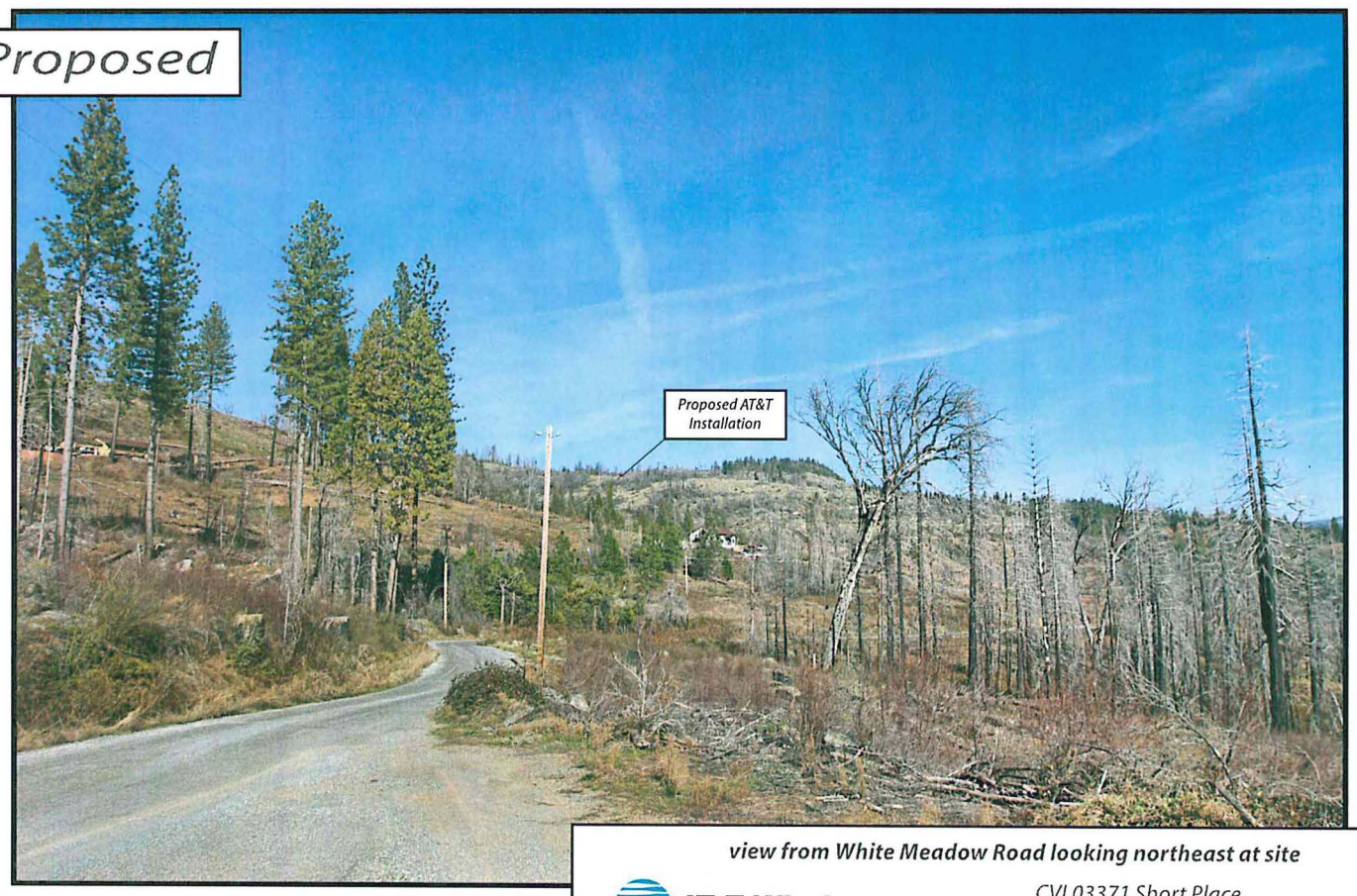
CVL03371 Short Place
9441 Peavine Ridge Road, Pollock Pines, CA
Photosims Produced on 2-9-2018

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



Proposed



view from White Meadow Road looking northeast at site

AT&T Wireless

CVL03371 Short Place
9441 Peavine Ridge Road, Pollock Pines, CA
Photosims Produced on 2-9-2018

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

Proposed

view from Brockliss Canyon Road looking northeast at site

AT&T Wireless

CVL03371 Short Place
9441 Peavine Ridge Road, Pollock Pines, CA
Photosims Produced on 2-9-2018

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

2018 MAR 29 AM 11:38
RECEIVED
PLANNING DEPARTMENT

at&t

SITE NUMBER: CVL03371

SITE NAME: SHORT PLACE

9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726
JURISDICTION: ELDORADO COUNTY

USID: 178391
FA: 13787566

SITE TYPE: MONOPINE / WALK-IN EQUIPMENT CABINET

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. PAVED ACCESS IMPROVEMENT FROM ROW
3. 40'X45' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT CABINET AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 160'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (19) PROPOSED (3) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 4' MICROWAVE DISHES
11. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VYNAL SLATS
12. ADD 15KW DC DIESEL GENERATOR

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:

1. 2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R. (CALIFORNIA CODE OF REGULATIONS)
2. 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (VOLUMES 1 & 2), (2015 INTERNATIONAL BUILDING CODE)
3. 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R., (2014 NATIONAL ELECTRICAL CODE)
4. 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R., (2015 UNIFORM MECHANICAL CODE)
5. 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R., (2015 UNIFORM PLUMBING CODE)
6. 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
7. 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE)
8. 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R., (2015 INTERNATIONAL FIRE CODE)
9. 2016 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE)
10. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R., (CALGreen)
11. 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
12. ANSI/EIA-TIA-222-G
13. 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

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: SHORT PLACE
SITE NUMBER: CVL03371

SEARCH RING: SHORTPLACE
FA# 13787566
SITE ADDRESS: 9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

A.P.N. NUMBER: 009-610-22-100

CURRENT USE: RL-10 ON 2.5+ AC (29)

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: ELDORADO COUNTY

LATITUDE: N 38° 47' 05.15" (NAD83)

LONGITUDE: W 120° 29' 57.05" (NAD83)

GROUND ELEVATION: ±4011 FT. AMSL

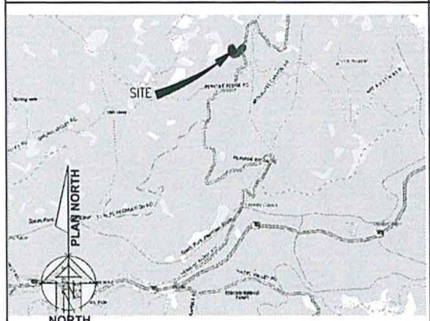
PROPERTY OWNER:
FRANK CASTANEDA
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

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

RFDS DATED 05-22-2017, ISSUE 1.0
REVISION 1.00.02

VICINITY MAP



NOT TO SCALE

SPECIAL INSPECTIONS

PROJECT TEAM

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

RF ENGINEER:
AT&T CONTACT: MUHAMMAD SHAHBAZ (ASAD)
EMAIL: MS455V@ATT.COM
PH: (646) 369-2573

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: CRAIGMHORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR.:
VINCULUMS CM
CONTACT: CHRIS BYERS
EMAIL: CHBYERS@VINCULUMS.COM
PH: (530) 575-2315

DIRECTIONS FROM AT&T

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

FROM 2600 CAMINO RAMON TO 9441 PEAVINE RIDGE RD VIA I-680 N, I-80 E AND US-50 E/EL DORADO FWY.
2 HR 13 MIN (143 MI)

1. HEAD EAST
2. TURN RIGHT TOWARD CAMINO RAMON
3. TURN RIGHT ONTO CAMINO RAMON
4. TURN RIGHT ONTO BOLLINGER CANYON RD
5. USE THE RIGHT 2 LANES TO TAKE THE I-680 N RAMP TO SACRAMENTO
6. MERGE ONTO I-680 N
7. KEEP LEFT TO STAY ON I-680 N
8. KEEP LEFT AT THE FORK TO STAY ON I-680 N
9. KEEP LEFT AT THE FORK TO CONTINUE ON I-680
10. USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO
11. MERGE ONTO I-80 E
12. KEEP LEFT AT THE FORK TO STAY ON I-80 E
13. 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
14. TURN LEFT ONTO PEAVINE RIDGE RD
15. ARRIVE AT LOCATION: 9441 PEAVINE RIDGE RD

9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

APPROVALS

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

SHEET INDEX

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.

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

Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03371
PROJECT NO:	13787566
DRAWN BY:	EAS
CHECKED BY:	CES

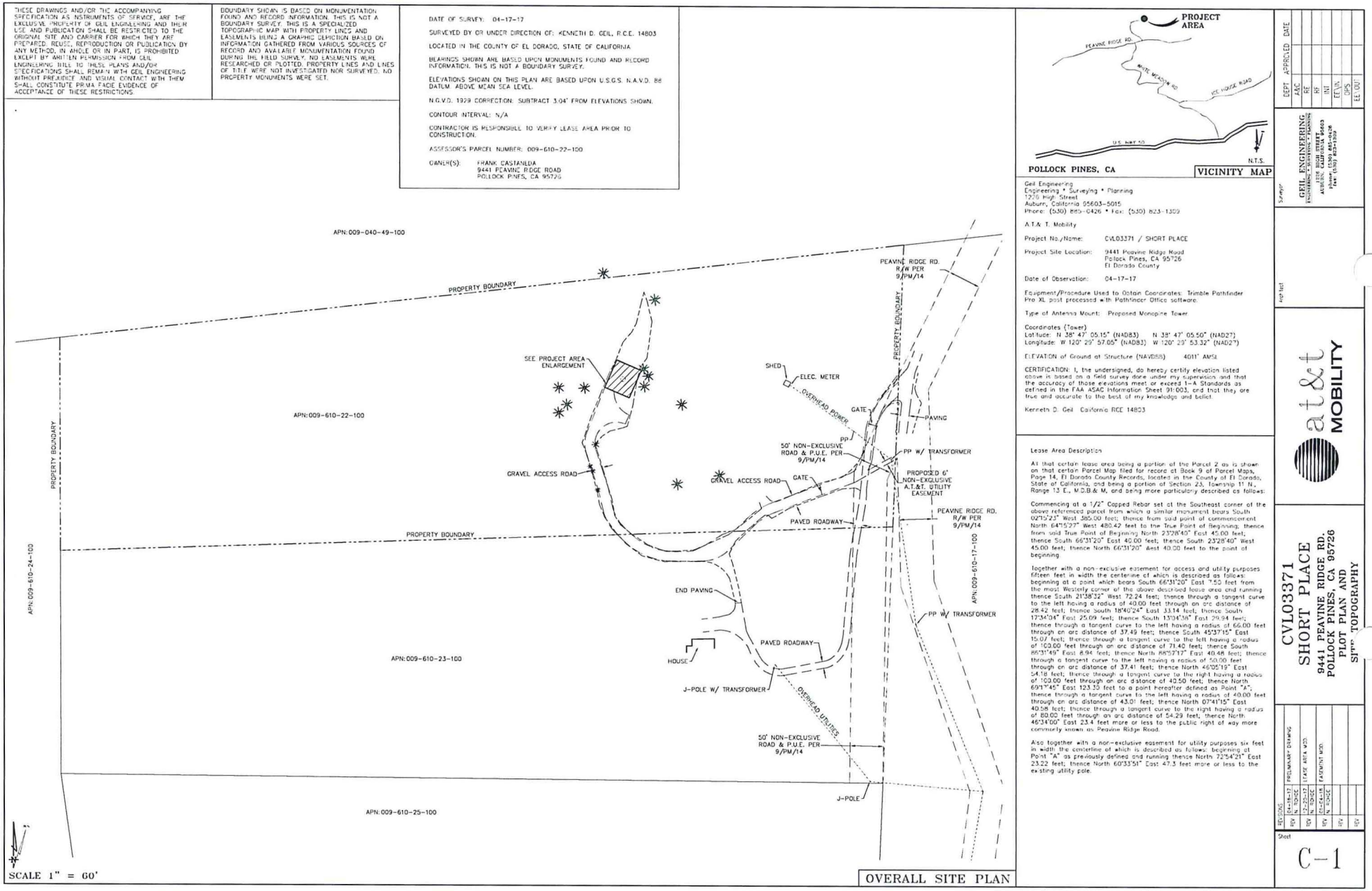
Licensor:
REGISTERED PROFESSIONAL ENGINEER
CRAIG M. HORNER
No. 84674
CIVIL
STATE OF CALIFORNIA

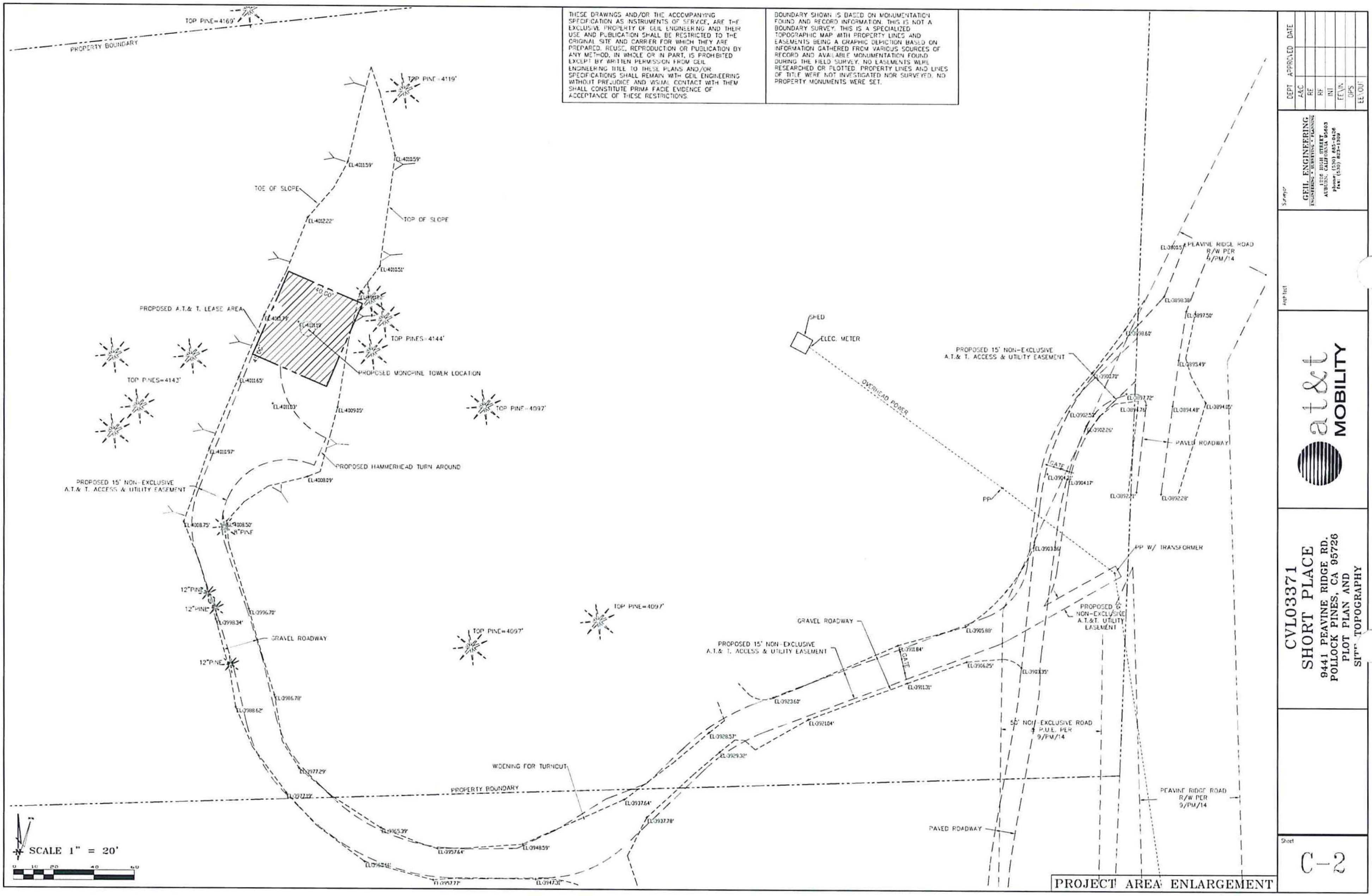
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

S 18-0007


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 3.04' FROM ELEVATIONS SHOWN.
CONTOUR INTERVAL: N/A
CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.
ASSESSOR'S PARCEL NUMBER: 009-610-22-100
OWNER(S): FRANK CASTANEDA
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726
PROJECT AREA
PEAVINE RIDGE RD.
WHITE MEADOW RD
FIT RIDGE ROAD
U.S. HWY 50
N.T.S.
POLLOCK PINES, CA
VICINITY MAP
APN: 009-040-49-100
PROPERTY BOUNDARY
PEAVINE RIDGE RD. R/W PER 9/PM/14
SEE PROJECT AREA ENLARGEMENT
APN: 009-610-22-100
SHED
ELEC. METER
OVERHEAD POWER
GATE
PAVING
PP
50' NON-EXCLUSIVE ROAD & P.U.E. PER 9/PM/14
PP W/ TRANSFORMER
GRAVEL ACCESS ROAD
GATE
PROPOSED 6' NON-EXCLUSIVE A.T.&T. UTILITY EASEMENT
PAVED ROADWAY
PEAVINE RIDGE RD. R/W PER 9/PM/14
APN: 009-610-17-100
APN: 009-610-24-100
END PAVING
PP W/ TRANSFORMER
PAVED ROADWAY
HOUSE
APN: 009-610-23-100
J-POLE W/ TRANSFORMER
OVERHEAD UTILITIES
50' NON-EXCLUSIVE ROAD & P.U.E. PER 9/PM/14
J-POLE
APN: 009-610-25-100
SCALE 1" = 60'
OVERALL SITE PLAN
Geil Engineering
Engineering • Surveying • Planning
1256 High Street
Auburn, California 95603-5015
Phone: (530) 885-0426 • Fax: (530) 823-1309
A.T.& T. Mobility
Project No./Name: CVL03371 / SHORT PLACE
Project Site Location: 9441 Peavine Ridge Road
Pollock Pines, CA 95726
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° 47' 05.15" (NAD83) N 38° 47' 05.50" (NAD27)
Longitude: W 120° 29' 57.05" (NAD83) W 120° 29' 53.32" (NAD27)
ELEVATION of Ground at Structure (NAVD88) 4011' 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 these 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 9 of Parcel Maps, Page 14, El Dorado County Records, located in the County of El Dorado, State of California, and being a portion of Section 23, Township 11 N., Range 13 E., M.D.B.& M. and being more particularly described as follows:
Commencing at a 1/2" Capped Rebar set at the Southeast corner of the above referenced parcel from which a similar monument bears South 02°15'23" West 385.00 feet; thence from said point of commencement North 64°15'27" West 480.42 feet to the True Point of Beginning; thence from said True Point of Beginning North 23°28'40" East 45.00 feet; thence South 66°31'20" East 40.00 feet; thence South 23°28'40" West 45.00 feet; thence North 66°31'20" West 40.00 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 66°31'20" East 7.50 feet from the most Westerly corner of the above described lease area and running thence South 21°38'32" West 72.24 feet; thence through a tangent curve to the left having a radius of 40.00 feet through an arc distance of 28.42 feet; thence South 18°40'24" East 33.14 feet; thence South 17°34'04" East 25.09 feet; thence South 13°04'38" East 29.94 feet; thence through a tangent curve to the left having a radius of 66.00 feet through an arc distance of 37.49 feet; thence South 45°37'15" East 15.07 feet; thence through a tangent curve to the left having a radius of 100.00 feet through an arc distance of 71.40 feet; thence South 86°31'49" East 8.94 feet; thence North 88°52'12" East 40.48 feet; thence through a tangent curve to the left having a radius of 50.00 feet through an arc distance of 37.41 feet; thence North 46°05'19" East 54.18 feet; thence through a tangent curve to the right having a radius of 100.00 feet through an arc distance of 42.50 feet; thence North 69°17'45" East 123.35 feet to a point hereafter defined as Point "A"; thence through a tangent curve to the left having a radius of 40.00 feet through an arc distance of 43.01 feet; thence North 07°41'15" East 40.58 feet; thence through a tangent curve to the right having a radius of 80.00 feet through an arc distance of 54.29 feet; thence North 46°34'00" East 23.4 feet more or less to the public right of way more commonly known as Peavine Ridge 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 Point "A" as previously defined and running thence North 72°54'21" East 23.22 feet; thence North 60°33'51" East 47.3 feet more or less to the existing utility pole.
DEPT APPROVED DATE
AMC
RE
RF
INT
FIELD
GPS
EE DOT
Surveyor
GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING
1256 HIGH STREET
AUBURN, CALIFORNIA 95603
Phone: (530) 885-0426
Fax: (530) 823-1309
Architect
at&t MOBILITY
CVL03371
SHORT PLACE
9441 PEAVINE RIDGE RD.
POLLOCK PINES, CA 95726
PLOT PLAN AND
SITE TOPOGRAPHY
REVISIONS
REV 04-18-17 N. RIDGE PRELIMINARY DRAWING
REV 01-04-18 N. RIDGE LEASE AREA MOD.
REV 01-04-18 N. RIDGE EASEMENT MOD.
REV
REV
Sheet
C-1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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.
TOP PINE=4169'
PROPERTY BOUNDARY
TOP PINE=4119'
TOE OF SLOPE
TOP OF SLOPE
PROPOSED A.T.& T. LEASE AREA
40.00'
TOP PINES=4144'
PROPOSED MONOPINE TOWER LOCATION
TOP PINES=4143'
TOP PINE=4097'
PROPOSED HAMMERHEAD TURN AROUND
PROPOSED 15' NON-EXCLUSIVE A.T.& T. ACCESS & UTILITY EASEMENT
8"PINE
12"PINE
GRAVEL ROADWAY
TOP PINE=4097'
TOP PINE=4097'
SHED
ELEC. METER
OVERHEAD POWER
PP
PP W/ TRANSFORMER
PEAVINE RIDGE ROAD R/W PER 9/PM/14
PROPOSED 15' NON-EXCLUSIVE A.T.& T. ACCESS & UTILITY EASEMENT
GATE
PAVED ROADWAY
PROPOSED 6' NON-EXCLUSIVE A.T.&T. UTILITY EASEMENT
GRAVEL ROADWAY
PROPOSED 15' NON-EXCLUSIVE A.T.& T. ACCESS & UTILITY EASEMENT
GATE
50' NON-EXCLUSIVE ROAD & P.U.E. PER 9/PM/14
WIDENING FOR TURNOUT
PROPERTY BOUNDARY
PEAVINE RIDGE ROAD R/W PER 9/PM/14
PAVED ROADWAY
SCALE 1" = 20'
0 10 20 40
PROJECT AREA ENLARGEMENT
DEPT APPROVED DATE
A&C
RE
RF
INT
EE\IN
OPS
EE\OUT
Surveyor
GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING
1226 HIGH STREET
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PLOT PLAN AND
SITE TOPOGRAPHY
Sheet
C-2

GENERAL CONSTRUCTION NOTES:

1. 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.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. 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.
10. 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.
11. 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.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S 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.
13. 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.
14. 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	IGSB	ISOLATED COPPER GROUND BUS
ACCA	ANTENNA CABLE COVER ASSEMBLY	IN. (")	INCH(ES)
ADDTL	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(ITUDINAL)
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
DIM.	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)
EXIST.(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	U.N.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	W.P.	WEATHERPROOF
G.	GROWTH (CABINET)	WT.	WEIGHT
GA.	GAUGE	C	CENTERLINE
GI.	GALVANIZED(D)	P	PLATE, PROPERTY LINE
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER		
GLB (EGU-LAM)	GLUE LAMINATED BEAM		
GPS	GLOBAL POSITIONING SYSTEM		
GRND.	GROUND		
HDR.	HEADER		
HGR.	HANGER		

SYMBOLS LEGEND

- BLDG. SECTION / ROAD SECTION (1 / A-300)
- WALL SECTION (A5 / A-310)
- DETAIL (D5 / A-500)
- ELEVATION (C1 / A-113, A4 / A-113, C4 / A-113, A1 / A-113)
- DOOR SYMBOL (001)
- WINDOW SYMBOL (10)
- TILT-UP PANEL MARK (1)
- PROPERTY LINE
- CENTERLINE
- ELEVATION DATUM (+10')
- GRID/COLUMN LINE (A)
- KEYNOTE, DIMENSION ITEM (3)
- KEYNOTE, CONSTRUCTION ITEM (2)
- WALL TYPE MARK (W-1)
- ROOM NAME / ROOM NUMBER (OFFICE 100)

- GROUT OR PLASTER
- (E) BRICK
- (E) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- PLYWOOD
- SAND
- (E) STEEL
- MATCH LINE
- GROUND CONDUCTOR
- OH — OVERHEAD SERVICE CONDUCTORS
- TELCO — TELEPHONE CONDUIT
- POWER — POWER CONDUIT
- P/T — POWER/TELCO CONDUIT
- COAX — COAXIAL CABLE
- HYBRID — HYBRID CABLE
- CHAIN LINK FENCE
- WOOD FENCE
- EXISTING FLOW LINE
- NEW FLOW LINE
- FIBER ROLL
- SILT FENCE

- (P) ANTENNA
- (P) RRU
- (P) DC SURGE SUPPRESSION
- (F) ANTENNA
- (F) RRU
- (E) EQUIPMENT

Issued For:

SHORT PLACE

9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

PREPARED FOR

at&t

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03371
PROJECT NO:	13787566
DRAWN BY:	EAS
CHECKED BY:	CES

REV.	DATE	DESCRIPTION
0	04/24/18	ZD-RFDS
1	06/15/18	ZD-RFDS

Licensor:

REGISTERED PROFESSIONAL ENGINEER — CRAIG W. 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
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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE

BEST MANAGEMENT PRACTICES	LOCATION	SCHEDULE IMPLEMENTATION	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILTER OUT SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. INSPECT SITE PERIMETER MONTHLY TO VERIFY THE OUTSIDE VEGETATION IS NOT DISTURBED.
PROTECT GRADED AREAS AND SLOPES FROM WASHOUT AND EROSION	THROUGHOUT PROJECT SITE	CONTINUOUS	INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. THE GRADE TRIBUTARY AREAS OR INSTALL SAND DIKES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE ONSITE SEDIMENT DEPOSITED BEHIND BERM OR BARRIER TO MAINTAIN EFFECTIVENESS.
BAG INLET FILTER	INLETS TO THE STORM DRAINAGE SYSTEM	CONTINUOUS UNTIL LANDSCAPING IS IN PLACE	INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT AND DEBRIS BEFORE ACCUMULATION HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. REPAIR OR REPLACE INLET FILTER BAG AS SOON AS DAMAGE OCCURS.
FIBER ROLLS	SEE NOTE 3 OF EROSION & CONTROL NOTES	CONTINUOUS	INSPECT AFTER EACH STORM. REMOVE SEDIMENT DEPOSITED BEHIND FIBER ROLLS WHENEVER NECESSARY TO MAINTAIN EFFECTIVENESS.
HYDROSEEDING	3:1 SLOPES	IN PLACE DURING BY SEPT. 15	INSPECT SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. IF EROSION IS NOTED, SPREAD STRAW MULCH OVER AFFECTED AREAS.
STABILIZED CONSTRUCTION ENTRANCE	ENTRANCES TO SITE FROM PUBLIC ROADWAYS	CONTINUOUS, UNTIL ENTRANCES AND ONSITE ROADWAYS ARE PAVED	INSPECT ON A MONTHLY BASIS AND AFTER EACH RAINFALL. ADD AGGREGATE BASE MATERIAL WHENEVER NECESSARY TO PREVENT SEDIMENT FROM BEING TRACKED INTO PUBLIC STREET.
WIND EROSION CONTROL PRACTICES	WHEREVER NECESSARY THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL GRADING IS COMPLETED AND SOILS HAVE STABILIZED	INSPECT SITE DURING WINDY CONDITIONS TO IDENTIFY AREAS WHERE WIND AND EROSION IS OCCURRING AND ABATE EROSION AS NECESSARY.
GOOD HOUSEKEEPING MEASURES	THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A MONTHLY BASIS TO VERIFY GOOD HOUSEKEEPING PRACTICES ARE BEING IMPLEMENTED.
PROPER CONSTRUCTION MATERIAL STORAGE	DESIGNATED AREA	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A WEEKLY BASIS TO VERIFY THAT CONSTRUCTION MATERIALS ARE STORED IN A MANNER WHICH COULD NOT CAUSE STORM WATER POLLUTION.
PROPER CONSTRUCTION WASTE STORAGE AND DISPOSAL INCLUDING	DESIGNATED COLLECTION AREA AND CONTAINERS	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A WEEKLY BASIS TO ASSURE WASTE IS STORED PROPERLY AND DISPOSED OF AT LEGAL DISPOSAL SITE, DAILY.
CONCRETE SPILL CLEANUP PAINT & PAINTING SUPPLIES	MATERIAL HANDLING AREAS	IMMEDIATELY AT TIME OF SPILL	INSPECT MATERIAL HANDLING AREAS ON AT LEAST A MONTHLY BASIS TO VERIFY PROPER SPILL CLEANUP.
VEHICLE FUELING, MAINTENANCE & CLEANING	DESIGNATED AREA WITH SECONDARY CONTAINMENT	CONTINUOUS	KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ON SITE & INSPECT ON REGULAR SCHEDULE.
STREET AND STORM DRAINAGE FACILITY MAINTENANCE DEFINITIONS	STREETS AND STORM DRAINAGE FACILITIES	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	MAINTAIN STORM DRAINAGE FACILITIES AND PAVED STREETS CLEAR OF SEDIMENT AND DEBRIS.

1. WET SEASON: ENTIRE PERIOD BETWEEN OCTOBER 1 THROUGH APRIL 30. CONTRACTOR SHALL ALSO IMPLEMENT WET SEASON MEASURES IF WET WEATHER IS EXPECTED DURING THE DRY SEASON
2. PHASES OF GRADING
INITIAL: WHEN CLEARING AND GRUBBING ACTIVITIES OCCUR.
ROUGH: WHEN CUT AND FILL ACTIVITIES OCCUR AND THE SITE IMPROVEMENTS ARE CONSTRUCTED, INCLUDING UNDERGROUND PIPING, STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS.
WHEN FINAL ELEVATION IS SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR CITY ACCEPTANCE.

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. 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 FOR DURING THE NON-RAINY SEASON.
3. 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.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

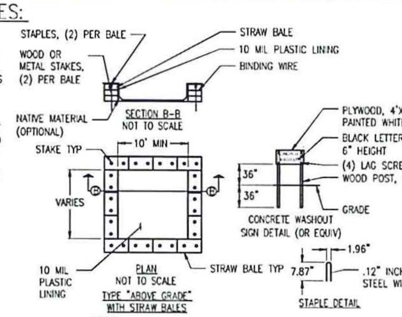
1. THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
2. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
4. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE DURING AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULE PER SITE CONDITIONS.
6. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPS, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPS OR EROSION AND SEDIMENT CONTROL PLAN.
7. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
8. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION WHEN APPLICABLE FOR SITES NOT ACCESSIBLE BY COMMERCIALLY PREPARED ACCESSES. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE (WHEN APPLICABLE) SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETE.
9. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY OR AS NECESSARY.
10. CONTRACTOR SHALL PLACE GRAVEL BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
11. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
12. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
13. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
14. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

   A. SOLID WASTE MANAGEMENT:
   PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
   B. MATERIAL DELIVERY AND STORAGE:
   PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY
   C. CONCRETE WASTE:
   PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
   D. PAINT AND PAINTING SUPPLIES:
   PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.
   E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
   PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.
   F. HAZARDOUS WASTE MANAGEMENT:
   PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER 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.
17. ANY AN 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.
18. 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 WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP"S (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS. AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

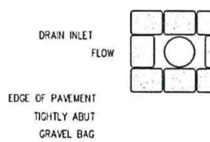
STORM WATER QUALITY NOTES:

1. CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF WORK. THIS INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS ON PRIVATE PROPERTY.
2. CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EGRESS FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF WAY FROM CONSTRUCTION VEHICLES.
3. CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT DEPOSIT SEDIMENT ONTO THE PUBLIC ROADWAY, SIDEWALKS AND GUTTERS. ALL SEDIMENT AND CONSTRUCTION DEBRIS MUST BE REMOVED BY THE END OF EACH WORKING DAY.
4. CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY SWEEPING METHOD, AS NECESSARY, TO REMOVE CONSTRUCTION OR DEMOLITION-RELATED SEDIMENT FROM PUBLIC SIDEWALKS, GUTTERS AND ROADWAY.
5. CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.
6. CONTRACTOR SHALL INSTALL AN APPROVED WASH-OUT STRUCTURE AT THE CONSTRUCTION SITE. ALL CONCRETE, PAINT, STUCCO AND OTHER LIQUIDS WILL BE WASHED OUT IN THIS AREA.
7. CONTRACTOR SHALL PROVIDE DUST CONTROL TO PREVENT THE NUISANCE OF BLOWING DUST WITHOUT CAUSING SEDIMENT, DEBRIS, OR LITTER TO ENTER THE ANY STORM DRAIN SYSTEM.
8. CONTRACTOR SHALL INSTALL ANY OTHER BMPS AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND ADHERENCE TO THE LOCAL REQUIREMENTS.

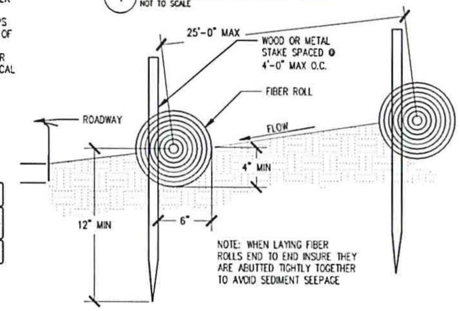


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

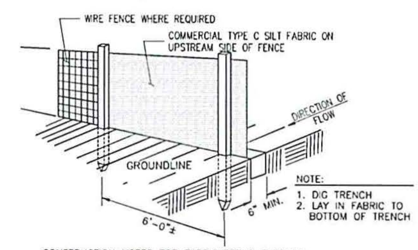
(1) CONCRETE WASHOUT DETAIL
NOT TO SCALE



(2) DRAIN INLET DETAIL
NOT TO SCALE



(3) FIBER ROLL DETAIL
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULDGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 4" HARDWOOD. MINIMUM LENGTH – 5 FEET

FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING. AS DIRECTED BY MARYLAND DCR

FILTER CLOTH: FILTER X, MIRAFI 100X' STABILINKA T140N OR APPROVED EQUAL.

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.

(4) TYPE C SILT FENCE DETAIL
NOT TO SCALE

Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

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

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03371
PROJECT NO:	13787566
DRAWN BY:	EAS
CHECKED BY:	CES

REV	DATE	DESCRIPTION
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Licensor:
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
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214-407-3184
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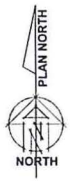
SACRAMENTO, CA 95821
craigmhorner@ychoo.com

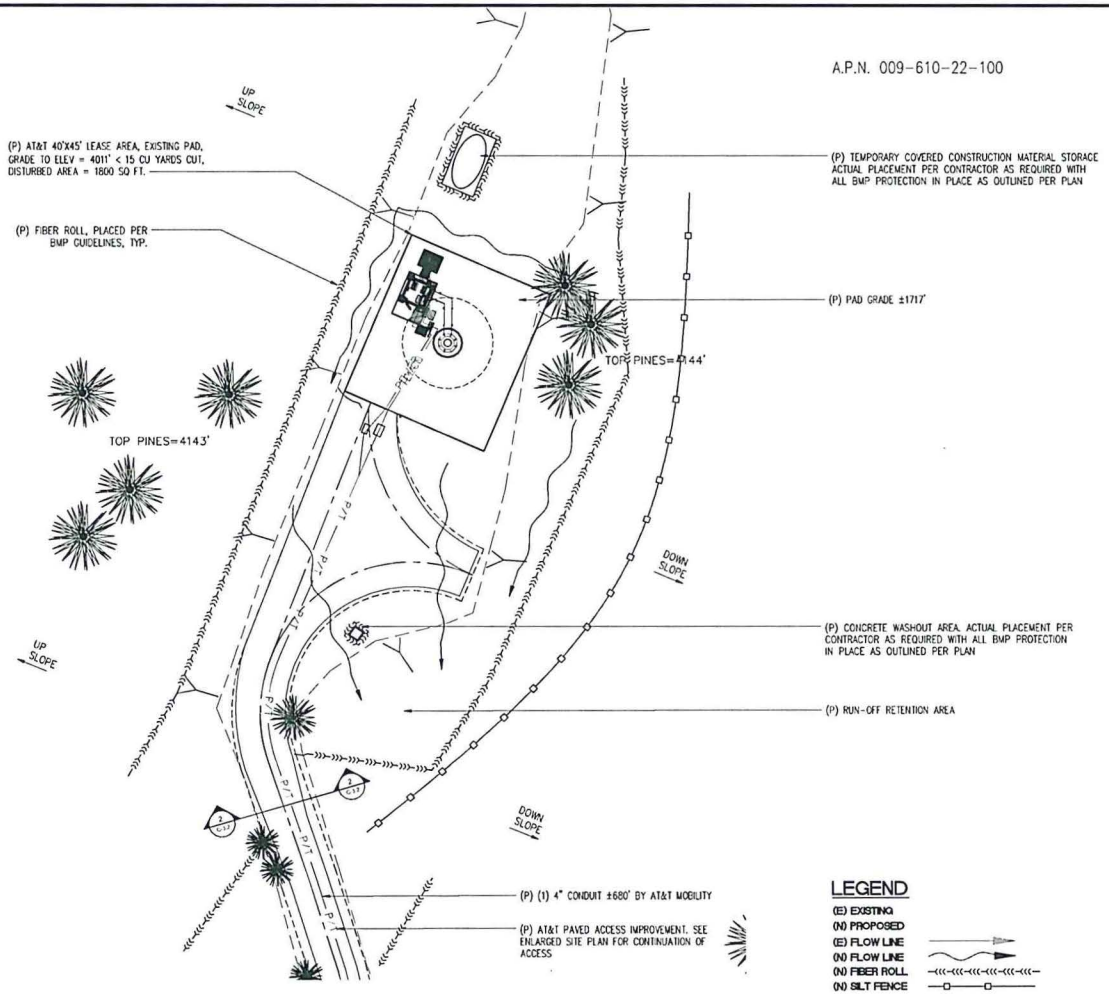
SHEET TITLE:
EROSION CONTROL NOTES & DETAILS

SHEET NUMBER:
C-3

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.



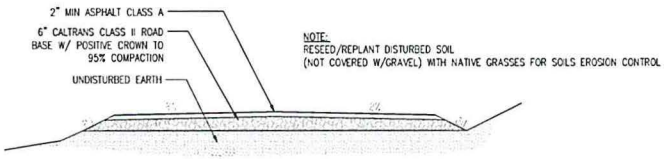


1 GRADING PLAN
1" = 15'-0"

SITE TYPE: MONOPINE / WALK-IN EQUIPMENT CABINET

NOTES:
1. GRADING AT THIS SITE IS INCIDENTAL TO FOOTING EXCAVATIONS.
2. TOTAL CUT AND FILL IS LESS THAN 100 C.U., YARDS FOR EXISTING ACCESS AND PAD.
3. VOLUME OF SOIL TO BE EXCAVATED FOR FOOTINGS IS LESS THAN 6 CUBIC YARDS AND SHALL BE EVENLY SPREAD AROUND FOUNDATIONS TO DIVERT WATER AWAY FROM STRUCTURES AND OR EVENLY SPREAD ON SITE IN A MANNER AS NOT TO DISRUPT EXISTING FLOW PATTERNS.
4. THE VOLUME OF GRADED MATERIAL IS LESS THAN 100' CU YRDS.
5. MAX SLOPE NOT TO EXCEED 2:1
6. TRENCHING IS INCIDENTAL FOR INSTALLATION OF ELECTRICAL AND COMMUNICATION CONDUITS. VOLUMES TO BE REMOVED FOR CONDUIT AND SAND IS NOMINAL.

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 680'±. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 151.11 CUBIC YARDS.



2 ACCESS ROAD DETAIL
NOT TO SCALE

Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

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

EPIC WIRELESS GROUP

AT&T SITE NO: CVL03371
PROJECT NO: 13787566
DRAWN BY: EAS
CHECKED BY: CES

REV	DATE	DESCRIPTION

Licensor:
CRAIG W. HORNER No. 84674 CIVIL STATE OF CALIFORNIA

Engineer:
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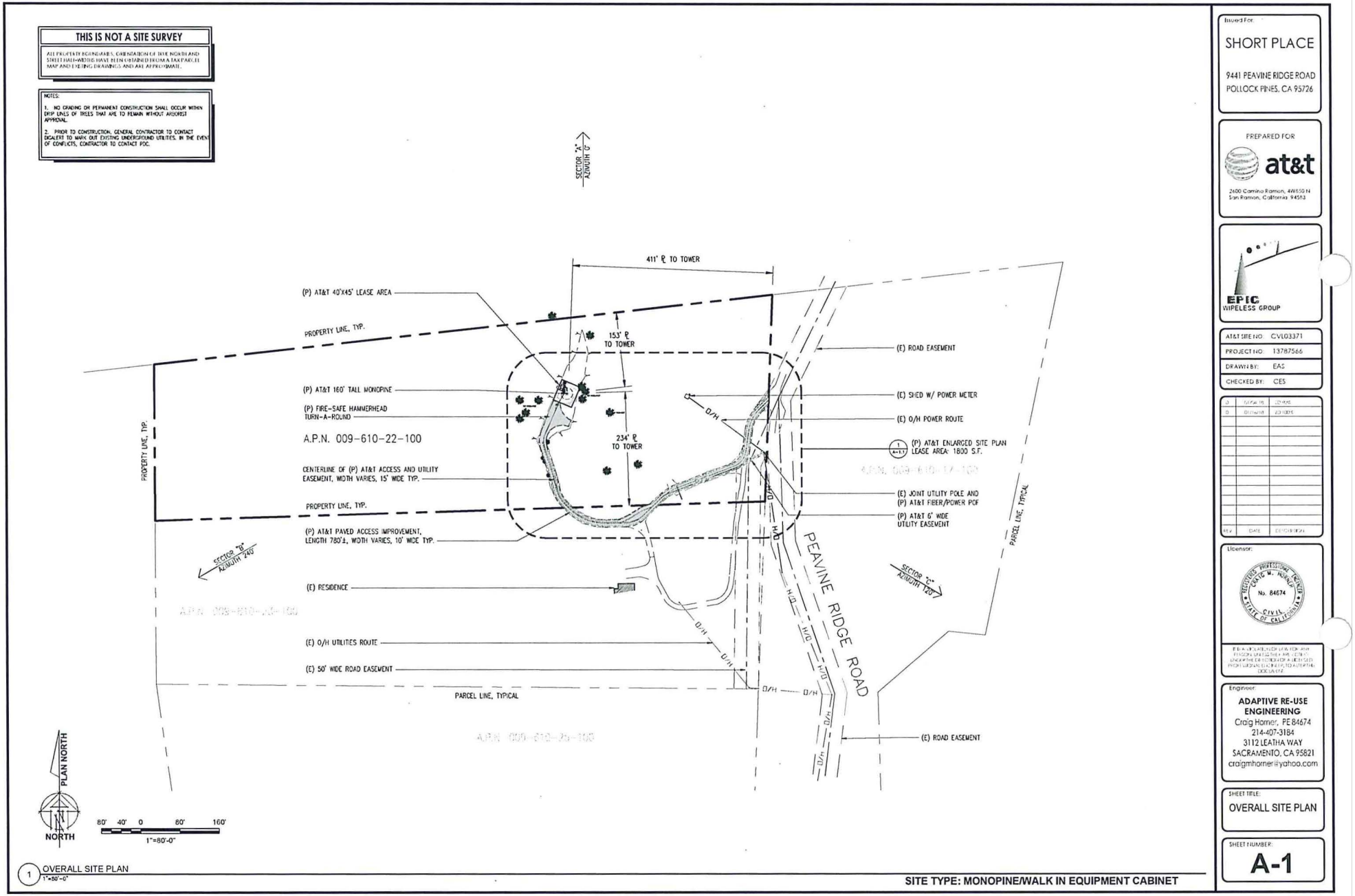
craigmhorner@yahoo.com

SHEET TITLE:
GRADING PLAN AND DETAILS

SHEET NUMBER:
C-3.1


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 POC.
SECTOR "A" AZIMUTH 0°
411' R TO TOWER
153' R TO TOWER
234' R TO TOWER
(P) AT&T 40'X45' LEASE AREA
PROPERTY LINE, TYP.
(P) AT&T 160' TALL MONOPINE
(P) FIRE-SAFE HAMMERHEAD TURN-A-ROUND
A.P.N. 009-610-22-100
CENTERLINE OF (P) AT&T ACCESS AND UTILITY EASEMENT, WIDTH VARIES, 15' WIDE TYP.
PROPERTY LINE, TYP.
(P) AT&T PAVED ACCESS IMPROVEMENT, LENGTH 780'±, WIDTH VARIES, 10' WIDE TYP.
PROPERTY LINE, TYP.
SECTOR "B" AZIMUTH 240°
SECTOR "C" AZIMUTH 120°
(E) RESIDENCE
(E) O/H UTILITIES ROUTE
(E) 50' WIDE ROAD EASEMENT
PARCEL LINE, TYPICAL
(E) ROAD EASEMENT
(E) SHED W/ POWER METER
(E) O/H POWER ROUTE
(P) AT&T ENLARGED SITE PLAN LEASE AREA: 1800 S.F.
(E) JOINT UTILITY POLE AND (P) AT&T FIBER/POWER POF
(P) AT&T 6' WIDE UTILITY EASEMENT
PEAVINE RIDGE ROAD
PARCEL LINE, TYPICAL
O/H
PLAN NORTH
NORTH
80' 40' 0 80' 160'
1"=80'-0"
1 OVERALL SITE PLAN
1"=50'-0"
SITE TYPE: MONOPINE/WALK IN EQUIPMENT CABINET
Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726
PREPARED FOR
at&t
2600 Camino Ramon, 4W850 N
San Ramon, California 94583
EPIC WIRELESS GROUP
AT&T SITE NO: CVL03371
PROJECT NO: 13787566
DRAWN BY: EAS
CHECKED BY: CES
Licensor:
No. 84674
CIVIL
STATE OF CALIFORNIA
Engineer:
ADAPTIVE RE-USE ENGINEERING
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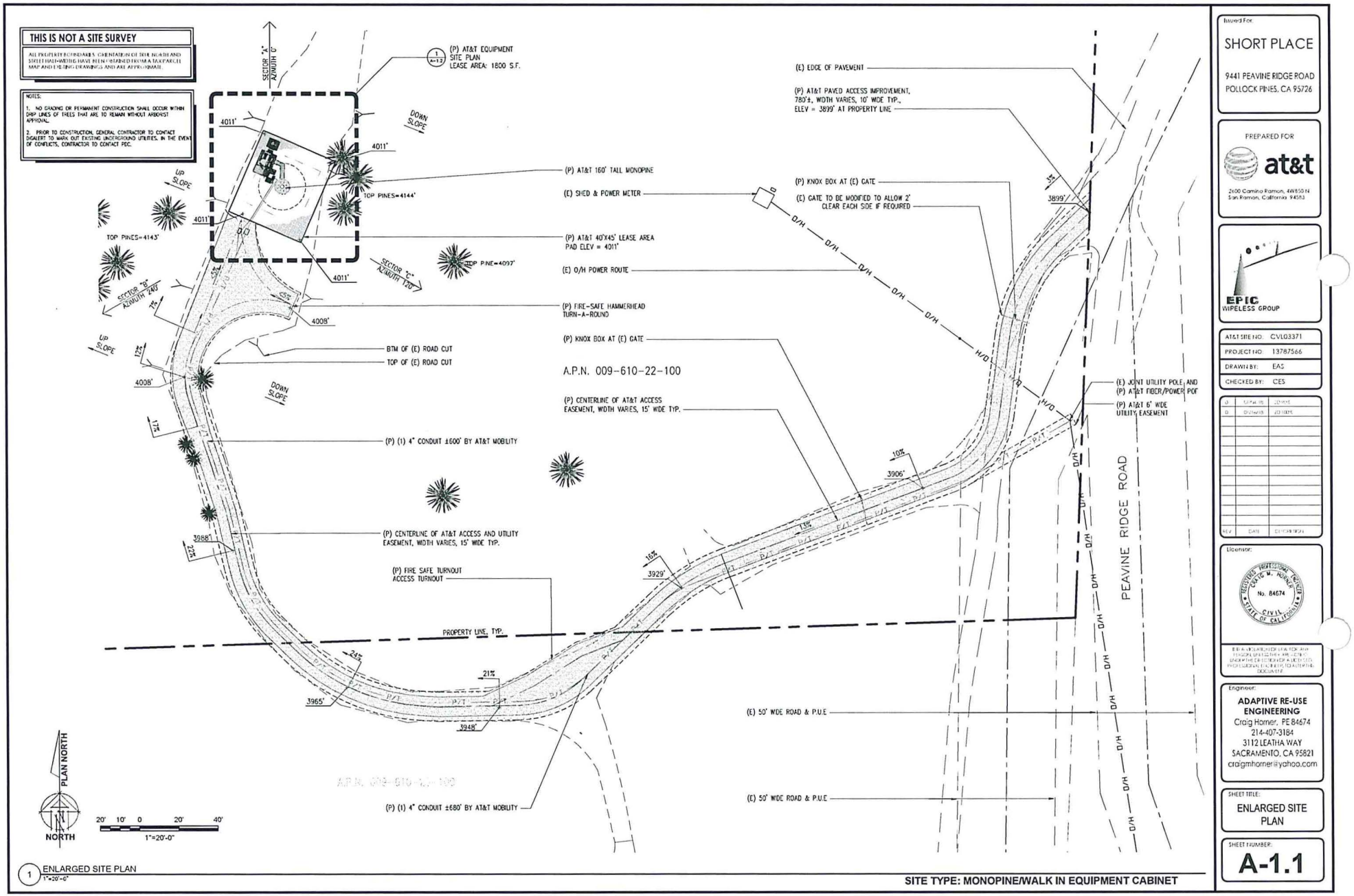
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com
SHEET TITLE:
OVERALL SITE PLAN
SHEET NUMBER:
A-1


THIS IS NOT A SITE SURVEY
ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET/ROAD 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.
(P) AT&T EQUIPMENT SITE PLAN LEASE AREA: 1800 S.F.
(P) AT&T 160' TALL MONOPINE
(E) SHED & POWER METER
(P) AT&T 40'X45' LEASE AREA PAD ELEV = 4011'
(E) O/H POWER ROUTE
(P) FIRE-SAFE HAMMERHEAD TURN-A-ROUND
BTM OF (E) ROAD CUT
TOP OF (E) ROAD CUT
(P) (1) 4" CONDUIT ±600' BY AT&T MOBILITY
(P) CENTERLINE OF AT&T ACCESS AND UTILITY EASEMENT, WIDTH VARIES, 15' WIDE TYP.
(P) FIRE SAFE TURNOUT ACCESS TURNOUT
PROPERTY LINE, TYP.
(P) (1) 4" CONDUIT ±680' BY AT&T MOBILITY
(E) EDGE OF PAVEMENT
(P) AT&T PAVED ACCESS IMPROVEMENT, 780'±, WIDTH VARIES, 10' WIDE TYP., ELEV = 3899' AT PROPERTY LINE
(P) KNOX BOX AT (E) GATE
(E) GATE TO BE MODIFIED TO ALLOW 2' CLEAR EACH SIDE IF REQUIRED
(P) KNOX BOX AT (E) GATE
A.P.N. 009-610-22-100
(P) CENTERLINE OF AT&T ACCESS EASEMENT, WIDTH VARIES, 15' WIDE TYP.
(E) JOINT UTILITY POLE AND (P) AT&T FIBER/POWER POF
(P) AT&T 6' WIDE UTILITY EASEMENT
PEAVINE RIDGE ROAD
(E) 50' WIDE ROAD & P.U.E
(E) 50' WIDE ROAD & P.U.E
SECTOR "A" AZIMUTH 0°
SECTOR "B" AZIMUTH 240°
SECTOR "C" AZIMUTH 120°
TOP PINES=4144'
TOP PINES=4143'
TOP PINE=4097'
4011'
4008'
3988'
3965'
3948'
3929'
3906'
3899'
UP SLOPE
DOWN SLOPE
PLAN NORTH
NORTH
20' 10' 0 20' 40'
1"=20'-0"
1 ENLARGED SITE PLAN
1"=20'-0"
SITE TYPE: MONOPINE/WALK IN EQUIPMENT CABINET
Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726
PREPARED FOR
at&t
2600 Camino Ramon, 4W850 N
San Ramon, California 94583
EPIC WIRELESS GROUP
AT&T SITE NO: CVL03371
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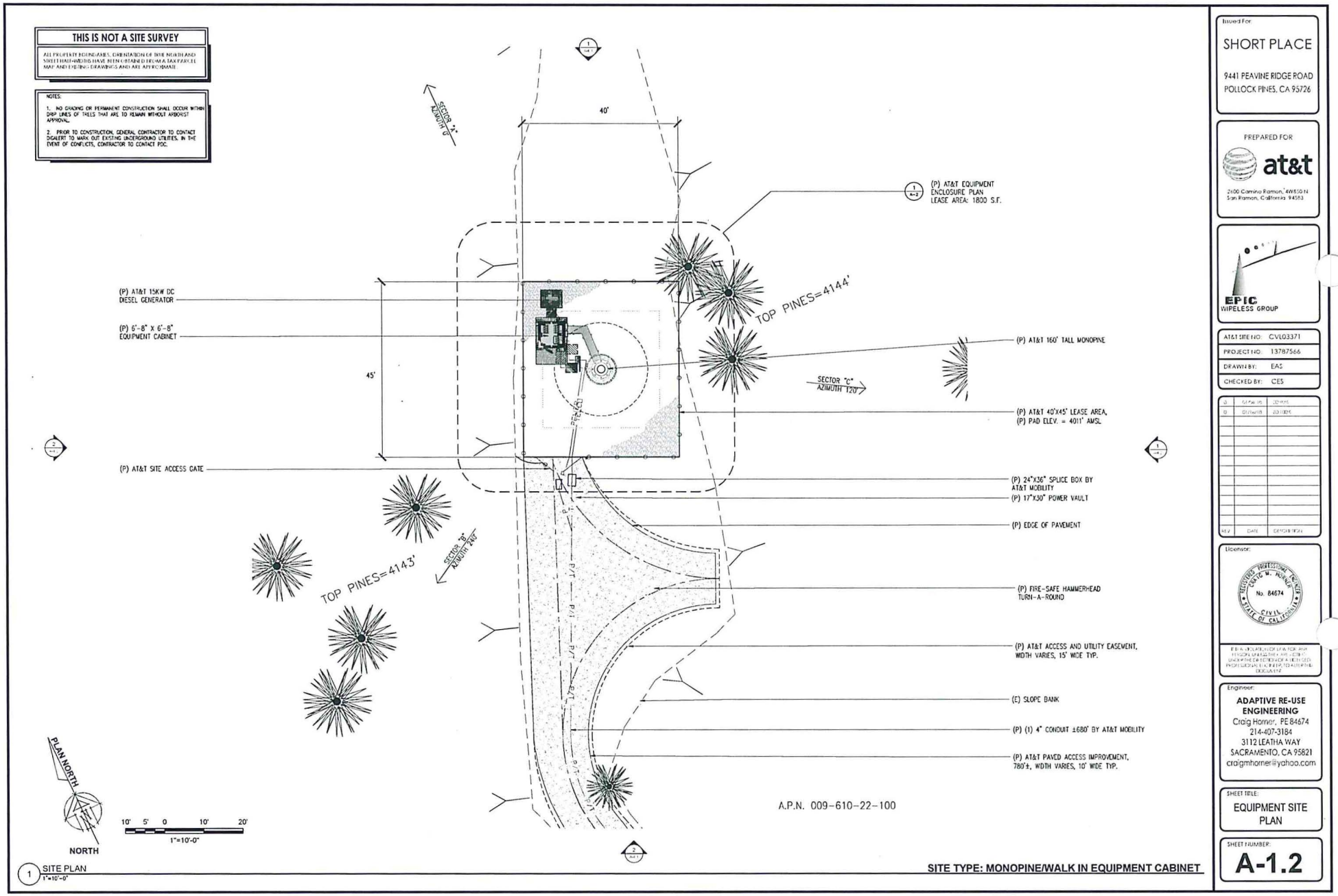
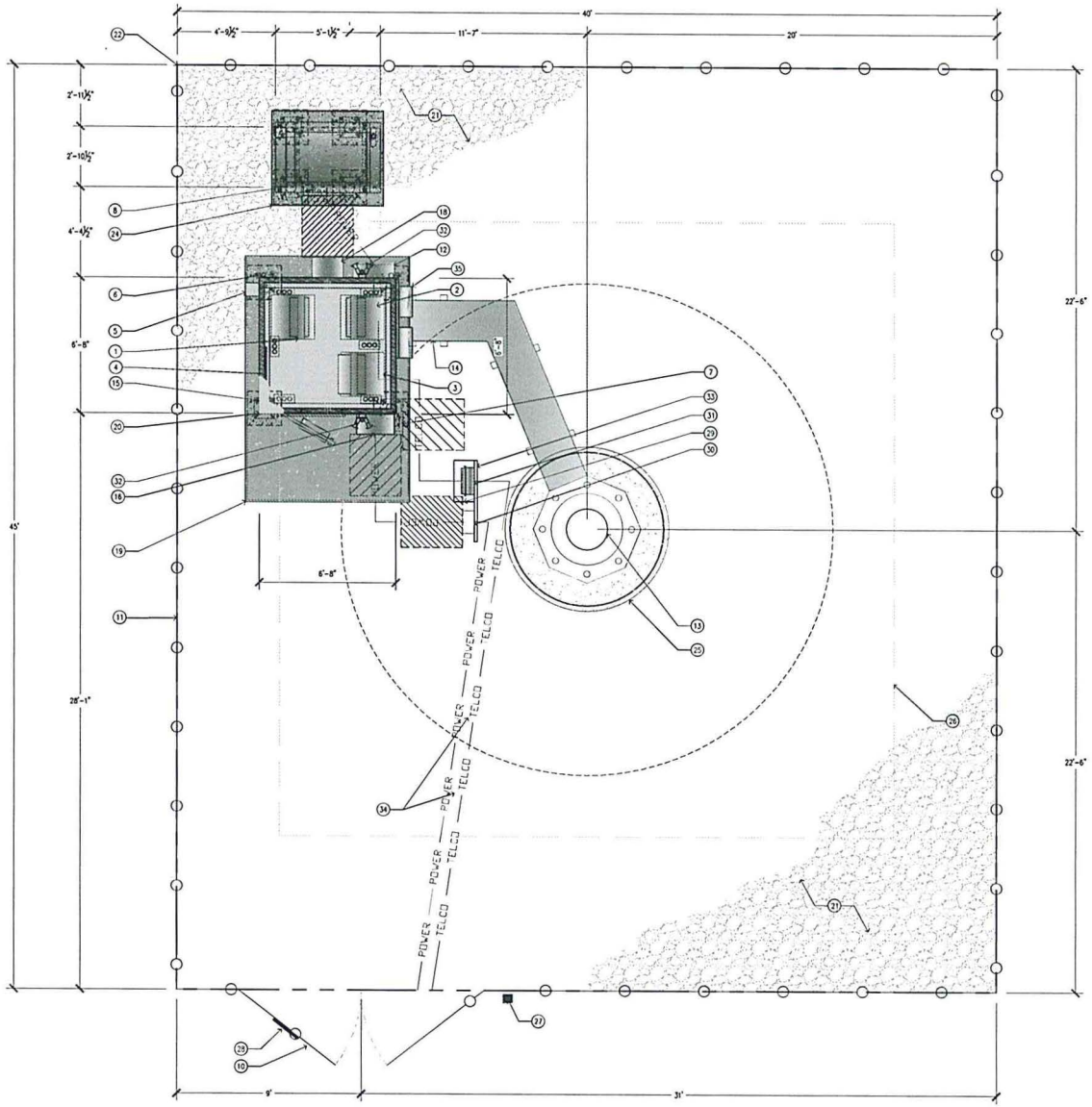
No. 84674
CIVIL
STATE OF CALIFORNIA
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com
SHEET TITLE:
ENLARGED SITE PLAN
SHEET NUMBER:
A-1.1


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 POC.
SECTOR "A" AZIMUTH 0°
40'
(P) AT&T EQUIPMENT ENCLOSURE PLAN LEASE AREA: 1800 S.F.
(P) AT&T 15KW DC DIESEL GENERATOR
(P) 5'-8" X 6'-8" EQUIPMENT CABINET
45'
TOP PINES=4144'
(P) AT&T 160' TALL MONOPINE
SECTOR "C" AZIMUTH 120°
(P) AT&T 40'X45' LEASE AREA, (P) PAD ELEV. = 4011' AMSL
(P) AT&T SITE ACCESS GATE
(P) 24"X36" SPLICE BOX BY AT&T MOBILITY
(P) 17"X30" POWER VAULT
(P) EDGE OF PAVEMENT
TOP PINES=4143'
SECTOR "B" AZIMUTH 240°
(P) FIRE-SAFE HAMMERHEAD TURN-A-ROUND
(P) AT&T ACCESS AND UTILITY EASEMENT, WIDTH VARIES, 15' WIDE TYP.
(E) SLOPE BANK
(P) (1) 4" CONDUIT ±680' BY AT&T MOBILITY
(P) AT&T PAVED ACCESS IMPROVEMENT, 780'±, WIDTH VARIES, 10' WIDE TYP.
A.P.N. 009-610-22-100
PLAN NORTH
NORTH
10' 5' 0 10' 20'
1"=10'-0"
1 SITE PLAN 1"=10'-0"
SITE TYPE: MONOPINE/WALK IN EQUIPMENT CABINET
Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726
PREPARED FOR
at&t
2600 Camino Ramon, 4W650 N
San Ramon, California 94583
EPIC WIRELESS GROUP
AT&T SITE NO: CVL03371
PROJECT NO: 13787566
DRAWN BY: EAS
CHECKED BY: CES
Licensor:
No. 84674
CIVIL
STATE OF CALIFORNIA
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com
SHEET TITLE:
EQUIPMENT SITE PLAN
SHEET NUMBER:
A-1.2

KEYNOTES

1. (P) W RACK #1
2. (P) W RACK #2
3. (P) POWER PLANT RACK W/ (3) STRING OF BATTERIES
4. (P) TELCO BOARD PROVIDED WITH WALK IN EQUIPMENT CABINET
5. (P) 24-2BC RATED FIRE EXTINGUISHER IN WEATHER RESISTANT CABINET
6. (P) GPS UNIT
7. (P) CAMLOCK GENERATOR INTERFACE
8. (P) 15kW DC DIESEL STANDBY GENERATOR
9. NOT USED
10. (P) 12'-0" WIDE ACCESS GATE
11. (P) 8'-0" CHAIN LINK FENCE W/ 3 STRAND ANTI CLIMB BARRIER
12. (P) DC BREAKER BOX PROVIDED WITH WALK IN EQUIPMENT CABINET
13. (P) 112'-00" MONOPINE W/ 7' BRANCH OUTAGE TO 160' OVER ALL HEIGHT
14. (P) HEAVY DUTY CABLE TRAY W/ LID OVER CONCRETE SLEEPERS 4' O.C.
15. (P) ASSET 5'-0" x 8'-0" WALK IN EQUIPMENT CABINET
16. (P) 200A PANEL W/ MAIN DISCONNECT & MANUAL TRANSFER SWITCH
17. NOT USED
18. (P) HVAC UNIT PROVIDED WITH WALK IN EQUIPMENT CABINET
19. (P) SHELTER CONCRETE SLAB
20. (P) PRE-MANUFACTURED WALK IN EQUIPMENT CABINET PLATFORM (DESIGN BY OTHERS)
21. (P) CHAIN LINK OVER BARBED WIRE BARRIER
22. (P) AT&T 40'X45' LEASE AREA
23. NOT USED
24. (P) GENERATOR CONCRETE SLAB
25. (P) TOWER CAISSON (DESIGN BY OTHERS)
26. (P) U/G TOWER ANTI SLAB (DESIGN BY OTHERS)
27. (P) FIRE DEPARTMENT KNOX BOX
28. (P) CARRIER CONTACT SIGNAGE AT GATE
29. (P) HOFFMAN BOX BELOW GROUND
30. (P) 200A ELECTRICAL METER/MAIN MAIN DISCONNECT ON (P) H-FRAME
31. (P) CROWN CASTLE BY AT&T LANDLINE ON (P) H-FRAME
32. (P) SHIELDED DOWN TILT LIGHT WITH MOTION SENSOR AND AUTO SHUTOFF TIMER PROVIDED WITH WALK IN EQUIPMENT CABINET
33. (P) UTILITY H-FRAME
34. (P) UNDERGROUND UTILITY CONDUITS
35. (P) SURGE SUPPRESSORS



4' 2' 0 4' 8'
3/8"=1'-0"

1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR WALK IN EQUIPMENT CABINET
3/8"=1'-0"

SITE TYPE: MONOPINE/WALK IN EQUIPMENT CABINET

Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

PREPARED FOR
at&t
2600 Camino Ramon, 4W350 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03371
PROJECT NO:	13787566
DRAWN BY:	EAS
CHECKED BY:	CES

REV	DATE	DESCRIPTION

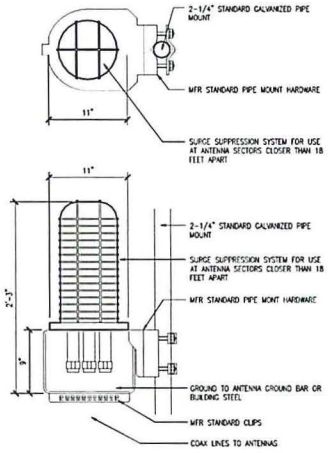
Licensor:
REGISTERED PROFESSIONAL ENGINEER CRAIG M. HORNER No. 84674 Civil STATE OF CALIFORNIA

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

SHEET TITLE:
EQUIPMENT AREA PLAN

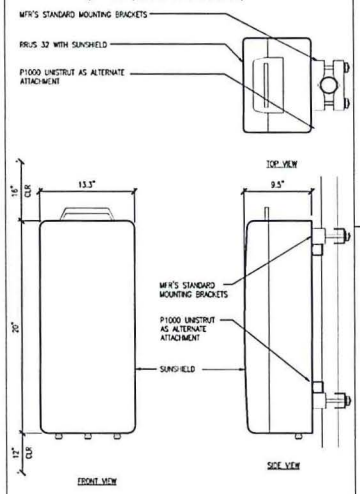
SHEET NUMBER:
A-2

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)



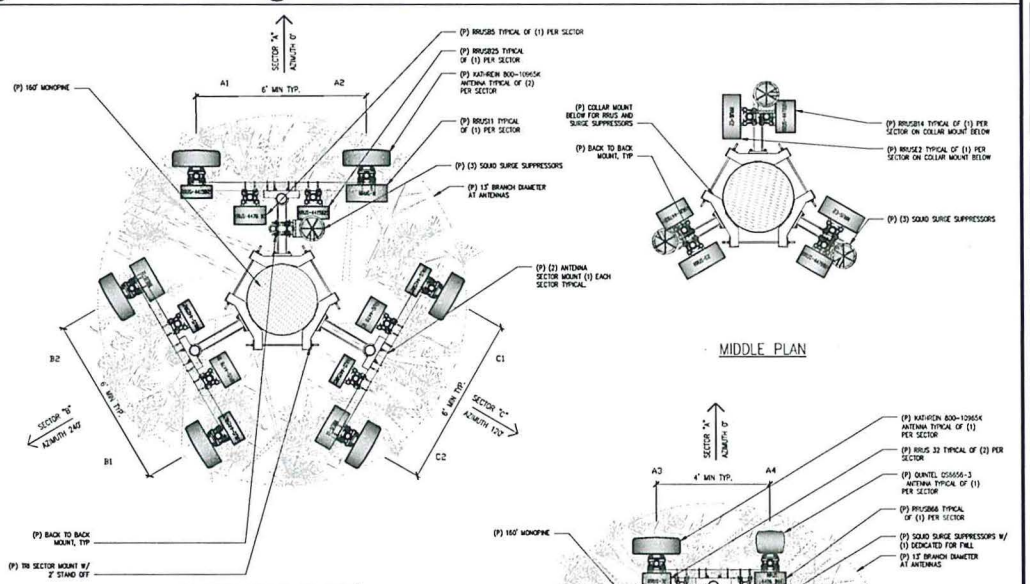
2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"

5 NOT USED
1 1/2"=1'-0"

RF SCHEDULE

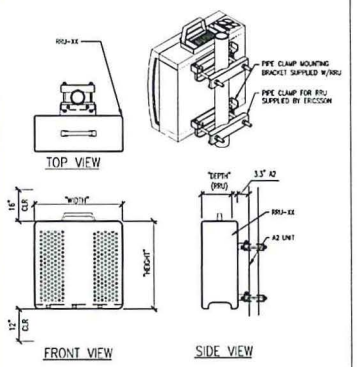
SECTOR		ANTENNA MODEL NO.	TECHNOLOGY	AZIMUTH	RAD CENTER	RRU	DIPLEXER	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	800-10965K	700/850/PCS	0°	± 150'-0"	(1) RRUII (1) 4415 B25	N/A	± 180'	± N/A	TRUNK 1
	A2	800-10965K	829/850/PCS#2	0°	± 150'-0"	(1) RRU-E2 (1) 4478 B5 (1) 4415 B25	N/A	± 180'	± N/A	TRUNK 1 & 2
	A3	800-10965K	814/AWS	0°	± 140'-0"	(1) 4478 B14 (1) 4426 B66	N/A	± 170'	± N/A	TRUNK 1
	A4	QS6656-3	FWLL	0°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 5
BETA	B1	800-10965K	700/850/PCS	240°	± 150'-0"	(1) RRUII (1) 4415 B25	N/A	± 180'	± N/A	TRUNK 3
	B2	800-10965K	829/850/PCS#2	240°	± 150'-0"	(1) RRU-E2 (1) 4478 B5 (1) 4415 B25	N/A	± 180'	± N/A	TRUNK 3 & 2
	B3	800-10965K	814/AWS	240°	± 140'-0"	(1) 4478 B14 (1) 4426 B66	N/A	± 170'	± N/A	TRUNK 3
	B4	QS6656-3	FWLL	240°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 5
GAMMA	C1	800-10965K	700/850/PCS	120°	± 150'-0"	(1) RRUII (1) 4415 B25	N/A	± 180'	± N/A	TRUNK 4
	C2	800-10965K	829/850/PCS#2	120°	± 150'-0"	(1) RRU-E2 (1) 4478 B5 (1) 4415 B25	N/A	± 180'	± N/A	TRUNK 4 & 2
	C3	800-10965K	814/AWS	120°	± 140'-0"	(1) 4478 B14 (1) 4426 B66	N/A	± 170'	± N/A	TRUNK 4
	C4	QS6656-3	FWLL	120°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 5
	RF DATA SHEET v10001 DATED 05/22/2017					(24) PROPOSED RRUS				

6 RF SCHEDULE
NOT TO SCALE



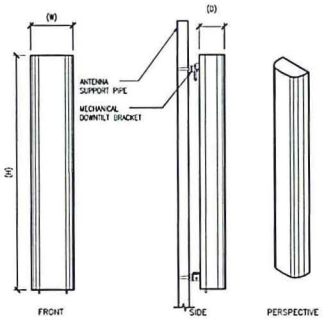
7 ENLARGED ANTENNA PLAN
1/2"=1'-0"

SITE TYPE: MONOPINE



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
RRUS-E2	20.4"	18.5"	7.5"	53 LBS
RRUS-4478 B14	18.1"	13.4"	8.26"	59.4 LBS
RRUS-4478 B5	16.5"	13.4"	7.7"	59.9 LBS
RRUS-4415 B25	14.96"	13.19"	5.39"	46 LBS
RRUS-4426 B66	14.96"	13.19"	5.39"	46 LBS

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



ANTENNA = KATHREIN 800-10965K
WIND AREA = 11.11 SQ.FT.
WEIGHT = 100.6 LBS
DIMENSIONS = 78.7" (H) x 20" (W) x 6.9" (D)

ANTENNA = QUINTEL QS6656-3
WIND AREA = 6 SQ.FT.
WEIGHT = 65 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)

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

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PREPARED FOR
at&t
2600 Camino Ramon, 4W350N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO: CVL03371
PROJECT NO: 13787566
DRAWN BY: EAS
CHECKED BY: CES

REV.	DATE	DESCRIPTION

Licensor:
No. 84674
CIVIL
STATE OF CALIFORNIA

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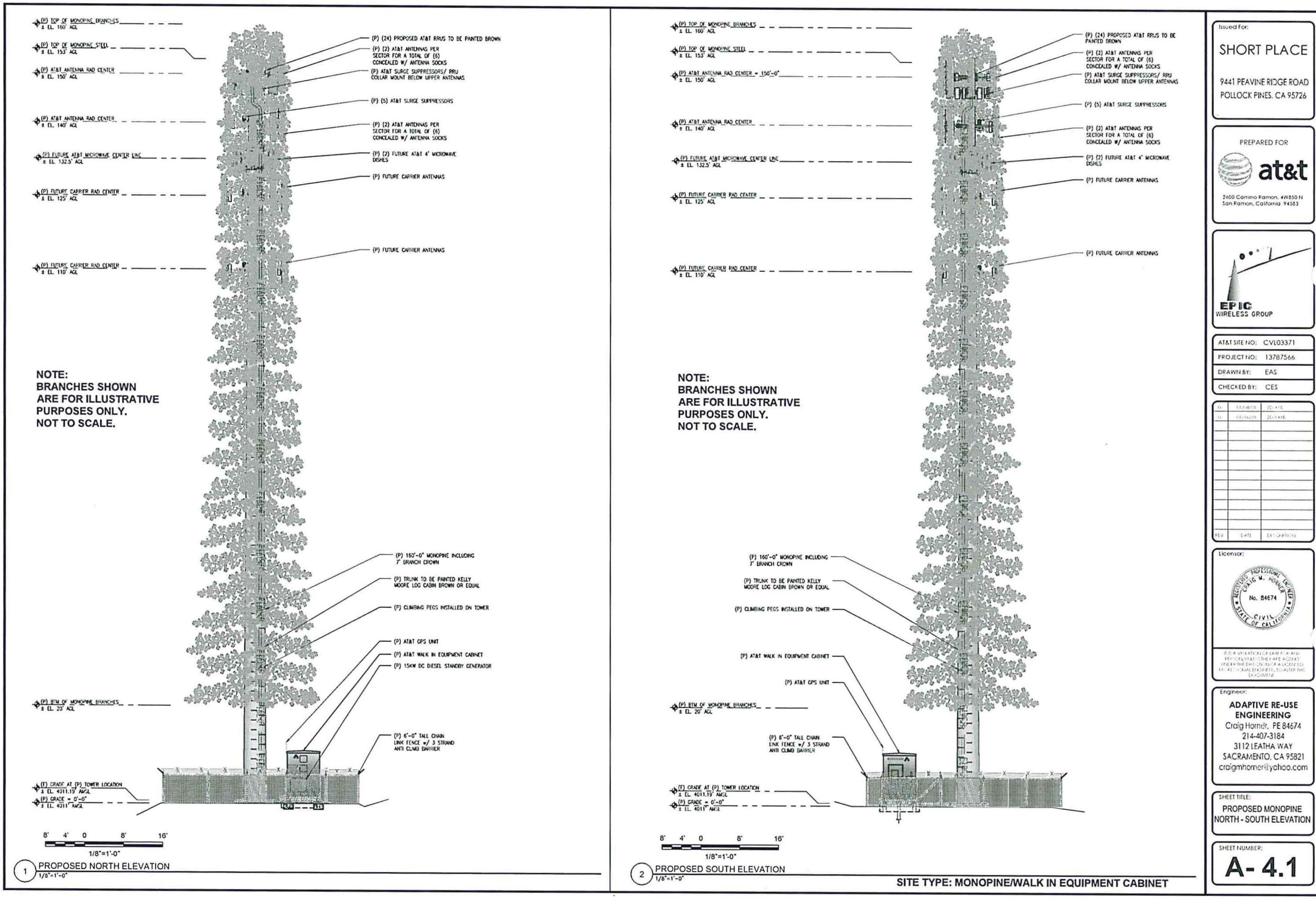
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
ANTENNA PLAN & DETAILS

SHEET NUMBER:
A-3


(P) TOP OF MONOPINE BRANCHES ± EL. 160' AGL
(P) TOP OF MONOPINE STEEL ± EL. 153' AGL
(P) AT&T ANTENNA RAD CENTER ± EL. 150' AGL
(P) AT&T ANTENNA RAD CENTER ± EL. 140' AGL
(P) FUTURE AT&T MICROWAVE CENTER LINE ± EL. 132.5' AGL
(P) FUTURE CARRIER RAD CENTER ± EL. 125' AGL
(P) FUTURE CARRIER RAD CENTER ± EL. 110' AGL
(P) (24) PROPOSED AT&T RRUS TO BE PAINTED BROWN
(P) (2) AT&T ANTENNAS PER SECTOR FOR A TOTAL OF (6) CONCEALED W/ ANTENNA SOCKS
(P) AT&T SURGE SUPPRESSORS/ RRU COLLAR MOUNT BELOW UPPER ANTENNAS
(P) (5) AT&T SURGE SUPPRESSORS
(P) (2) AT&T ANTENNAS PER SECTOR FOR A TOTAL OF (6) CONCEALED W/ ANTENNA SOCKS
(P) (2) FUTURE AT&T 4' MICROWAVE DISHES
(P) FUTURE CARRIER ANTENNAS
(P) FUTURE CARRIER ANTENNAS
NOTE:
BRANCHES SHOWN
ARE FOR ILLUSTRATIVE
PURPOSES ONLY.
NOT TO SCALE.
(P) 160'-0" MONOPINE INCLUDING 7' BRANCH CROWN
(P) TRUNK TO BE PAINTED KELLY MOORE LOG CABIN BROWN OR EQUAL
(P) CLIMBING PEGS INSTALLED ON TOWER
(P) AT&T GPS UNIT
(P) AT&T WALK IN EQUIPMENT CABINET
(P) 15KW DC DIESEL STANDBY GENERATOR
(P) BTM OF MONOPINE BRANCHES ± EL. 20' AGL
(P) 6'-0" TALL CHAIN LINK FENCE w/ 3 STRAND ANTI CLIMB BARRIER
(E) GRADE AT (P) TOWER LOCATION ± EL. 4011.19' AMSL
(P) GRADE = 0'-0" ± EL. 4011' AMSL
8' 4' 0 8' 16'
1/8"=1'-0"
1 PROPOSED NORTH ELEVATION
1/8"=1'-0"
(P) TOP OF MONOPINE BRANCHES ± EL. 160' AGL
(P) TOP OF MONOPINE STEEL ± EL. 153' AGL
(P) AT&T ANTENNA RAD CENTER = 150'-0" ± EL. 150' AGL
(P) AT&T ANTENNA RAD CENTER ± EL. 140' AGL
(P) FUTURE AT&T MICROWAVE CENTER LINE ± EL. 132.5' AGL
(P) FUTURE CARRIER RAD CENTER ± EL. 125' AGL
(P) FUTURE CARRIER RAD CENTER ± EL. 110' AGL
NOTE:
BRANCHES SHOWN
ARE FOR ILLUSTRATIVE
PURPOSES ONLY.
NOT TO SCALE.
(P) BTM OF MONOPINE BRANCHES ± EL. 20' AGL
(E) GRADE AT (P) TOWER LOCATION ± EL. 4011.19' AMSL
(P) GRADE = 0'-0" ± EL. 4011' AMSL
8' 4' 0 8' 16'
1/8"=1'-0"
2 PROPOSED SOUTH ELEVATION
1/8"=1'-0"
SITE TYPE: MONOPINE/WALK IN EQUIPMENT CABINET
Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
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PREPARED FOR
at&t
2600 Camino Ramon, 4W850 N
San Ramon, California 94583
EPIC WIRELESS GROUP
AT&T SITE NO: CVL03371
PROJECT NO: 13787566
DRAWN BY: EAS
CHECKED BY: CES
Licensor:
No. 84674
CIVIL
STATE OF CALIFORNIA
Engineer:
ADAPTIVE RE-USE ENGINEERING
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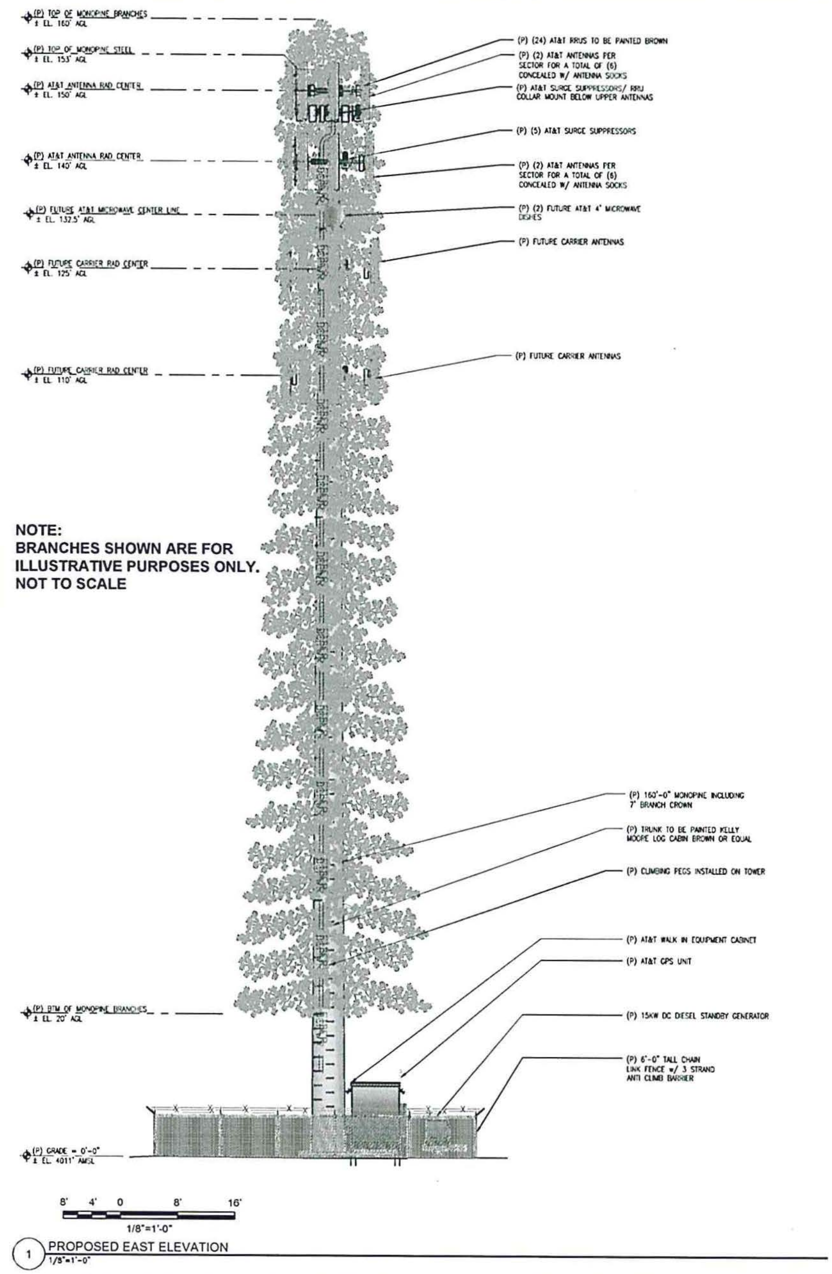
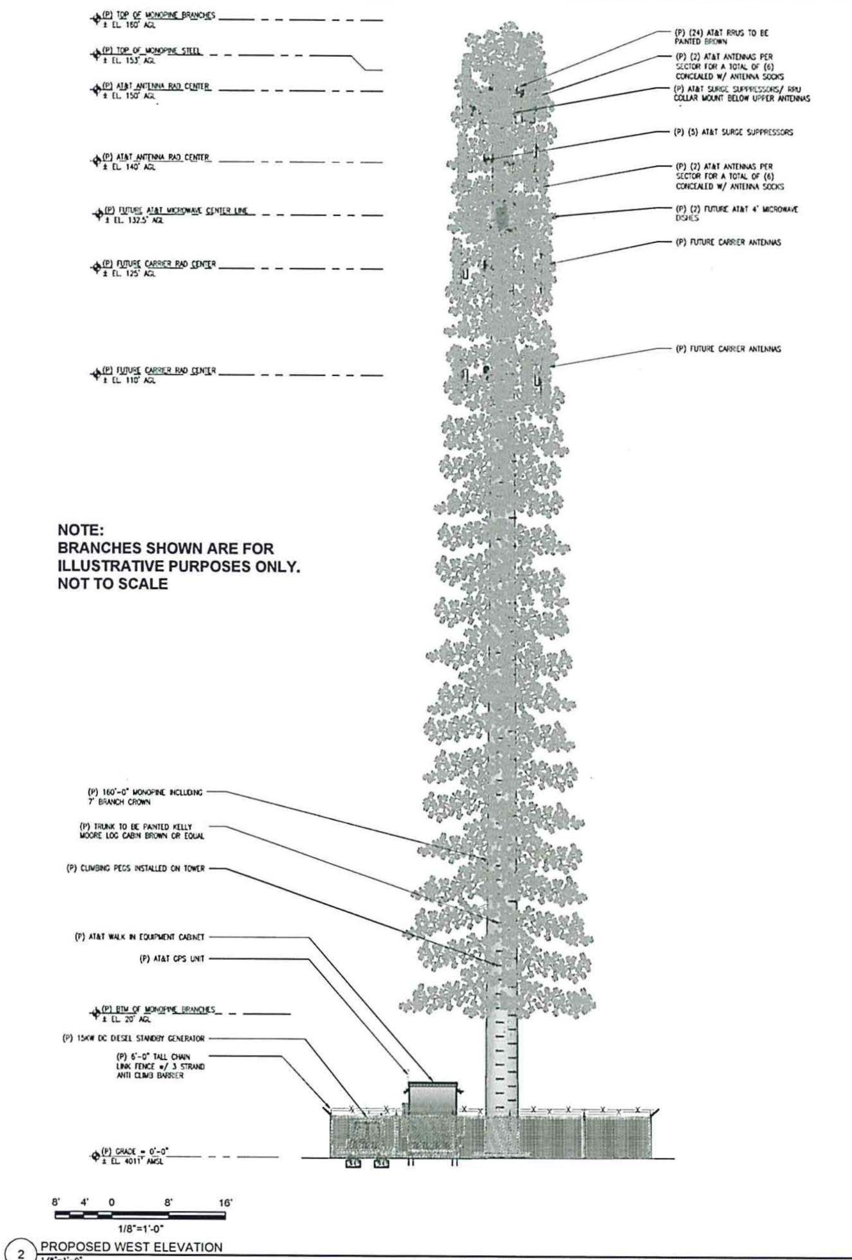
craigmhorner@yahoo.com
SHEET TITLE:
PROPOSED MONOPINE NORTH - SOUTH ELEVATION
SHEET NUMBER:
A- 4.1



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



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

SITE TYPE: MONOPINE/WALK IN EQUIPMENT CABINET

Issued For:
SHORT PLACE
9441 PEAVINE RIDGE ROAD
POLLOCK PINES, CA 95726

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

EPIC WIRELESS GROUP

AT&T SITE NO: CVL03371
PROJECT NO: 13787566
DRAWN BY: EAS
CHECKED BY: CES

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

Engineer:
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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