



at&t

SITE NUMBER: CVL03161 SITE NAME: OLD FORT JIM

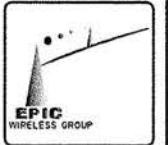
~ 1,500 FEET WEST FROM THE INTERSECTION OF
LAURA BELLE CT. AND KINCADE DR.
PARCEL: 099-130-05
PLACERVILLE, CA 95667
JURISDICTION: ELDORADO COUNTY

SITE TYPE: BROADLEAF TOWER/SHELTER

Based For:
OLD FORT JIM
~ 1,500 FEET WEST FROM
THE INTERSECTION OF
LAURA BELLE CT. AND
KINCADE DR.
PARCEL: 099-130-05
PLACERVILLE, CA 95667

PREPARED FOR

2400 Camino Ramon, #W300 N
San Ramon, California 94583



AT&T SITE NO: CVL03161
PROJECT NO: 13787598
DRAWN BY: CES
CHECKED BY: CES

0	12/15/17	2016
1	01/17/17	2016
2	01/17/17	2016
3	01/17/17	2016
4	01/17/17	2016
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30	01/17/17	2016



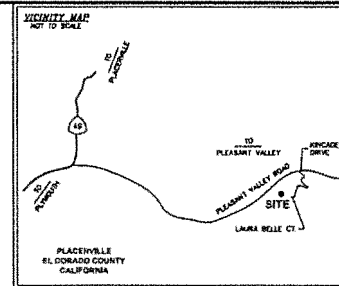
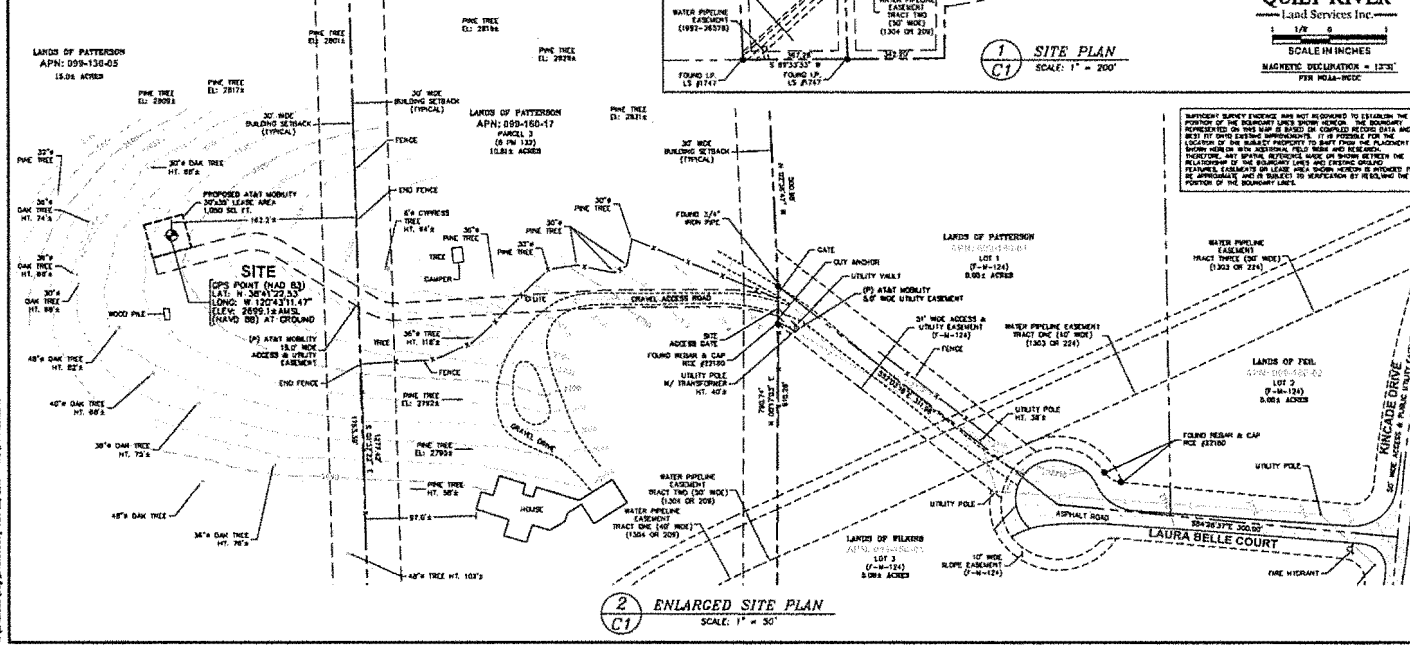
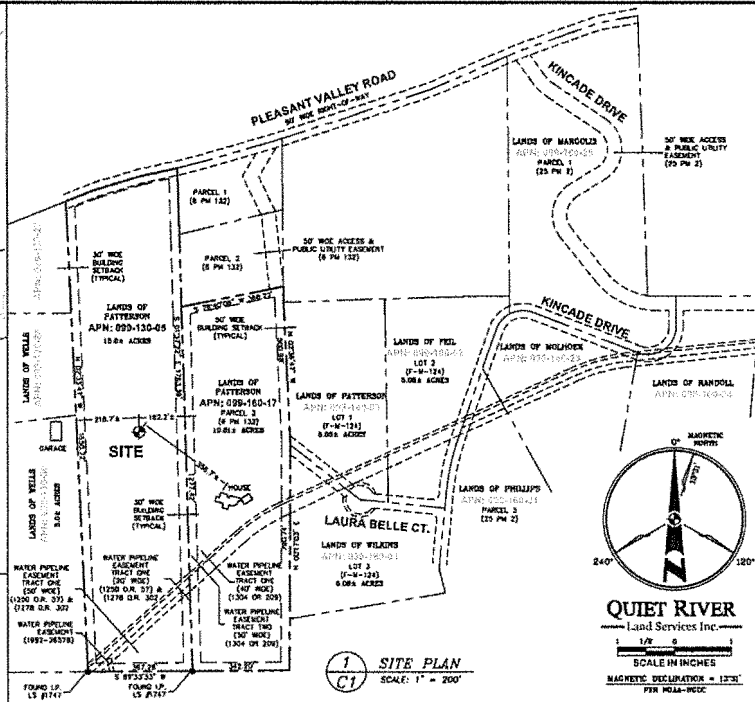
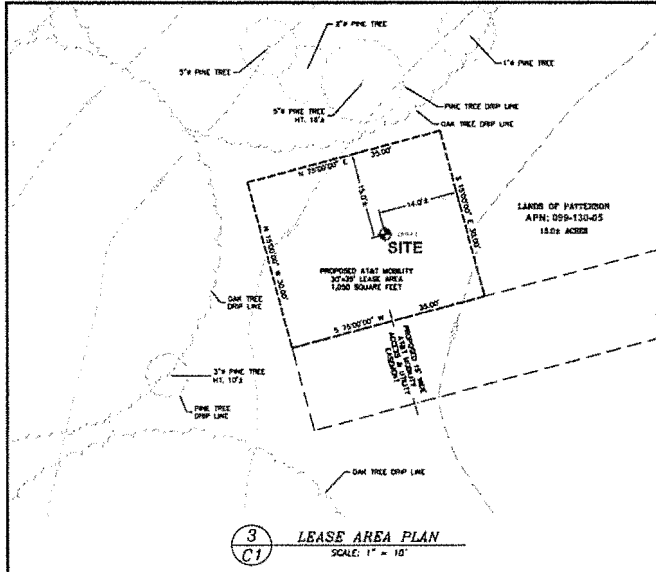
APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE December 14, 2017
BY Roger Trout / dke
EXECUTIVE SECRETARY

Engineer:
**ADAPTIVE RE-USE
ENGINEERING**
Craig Hamer, PE 84674
714-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighamer@yahoo.com

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV																		
<p>NEW SITE BROAD UNMANNED TELECOMMUNICATIONS FACILITY.</p> <ol style="list-style-type: none"> BRING POWER / TELCO / FIBER TO SITE LOCATION CONSIDER ROAD IMPROVEMENT FROM US GRADE HIGHWAY 20X245 FENCED LEASE AREA INSTALL ABET APPROVED PRE-FABRICATED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT 400 (1) NEW OPS UNITS 400 180'-0" BROADLEAF TOWER 400 (12) ANTENNAS (6) PER ALPHA, BETA, GAMMA SECTOR 400 (10) PROPOSED AND (2) EXISTING RINGS 400 (4) SURGE SUPPRESSORS 400 (2) FUTURE 4" MONITORING DISKS 400 4" FT. HD HDSD FIBER 400 33 PH. 1P FIBER OPTIC CONDUIT 400 500 GAL. 1P FIBER OPTIC STORAGE TANK 	<p>PROPERTY INFORMATION: SITE NAME: OLD FORT JIM SITE NUMBER: CVL03161</p> <p>SEARCH RING: OLD FORT JIM FA# 13787598</p> <p>SITE ADDRESS: ~ 1,500 FEET WEST FROM THE INTERSECTION OF LAURA BELLE CT. AND KINCADE DR. PLACERVILLE, CA 95667</p> <p>A.P.N.: NUMBER: PARCEL: 099-130-05</p> <p>CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL, RESIDENTIAL</p> <p>PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY</p> <p>JURISDICTION: ELDORADO COUNTY</p> <p>LATITUDE: N 38° 41' 22.53"</p> <p>LONGITUDE: 120° 43' 11.47"</p> <p>GROUND ELEVATION: ±209m ± FT. AMSL</p>	<p>PROPERTY OWNER: GERALD & JANET PATTERSON 2029 LAURA BELLE CT. PLACERVILLE, CA 95667</p> <p>POWER AGENCY: PG&E PG&E CORPORATION 1 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 PH: 1-800-743-5000</p> <p>TELEPHONE AGENCY: AT&T 525 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 PH: 1-800-310-2355</p> <p>RF DATED 11-22-2016, ISSUE 1.0 REVISION 1.0/0.1</p>	<p>APPLICANT / LESSEE: AT&T 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94584</p> <p>RF ENGINEER: AT&T CONTACT: MOHAMMAD AHMED EMAIL: M2217@AT.COM</p> <p>PROJECT MGR: EPIC WIRELESS CONTACT: NICK JAGUS EMAIL: NICK.JAGUS@EPICWIRELESS.NET PH: (916) 990-1446</p> <p>SITE ACQUISITION: COMPANY: EPIC WIRELESS CONTACT: JARED KEARSELEY (ZONING MGR.) EMAIL: JARED.KEARSELEY@EPICWIRELESS.NET CELL: (916) 750-1226</p> <p>CONSTRUCTION MGR: COMPANY: EPIC WIRELESS CONTACT: PETE MANAS EMAIL: PETE.MANAS@EPICWIRELESS.NET PH: (916) 383-2657</p> <p>A&E DESIGN GROUP: COMPANY: EPIC WIRELESS CONTACT: CARL STEINSTER CARL.STEINSTER@EPICWIRELESS.NET PH: (916) 933-2763</p> <p>ARCHITECT/ENGINEER: ADAPTIVE RE-USE ENGINEERING CONTACT: CRAIG HAMER, PE 84674 EMAIL: CRAIGHAMER@YAHOO.COM PH: (214) 407-3184</p> <p>CIVIL VENDOR: KINGSLING CH CONTACT: KEN ABEL EMAIL: KABEL@KINGSLING.COM PH: (916) 844-4602</p>	<p>T-1 TITLE SHEET GN-1 GENERAL NOTES C-1 SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY C-2 EROSION CONTROL NOTES C-2.1 GRADING PLAN & DETAILS A-1 OVERALL SITE PLAN - EXTERIOR EQUIPMENT SHELTER A-1.1 SITE PLAN - EXTERIOR EQUIPMENT SHELTER A-2 EQUIPMENT AREA PLAN - EXTERIOR EQUIPMENT SHELTER A-3 ANTENNA PLAN & DETAILS - BROADLEAF TOWER A-4.1 PROPOSED BROADLEAF TOWER NORTH - SOUTH ELEVATION A-4.2 PROPOSED BROADLEAF TOWER WEST - EAST ELEVATION</p>																		
CODE COMPLIANCE																						
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <ol style="list-style-type: none"> 2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R. (CALIFORNIA CODE OF REGULATIONS) 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (VOLUMES 1 & 2), (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R., (2014 NATIONAL ELECTRICAL CODE) 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R., (2015 UNIFORM MECHANICAL CODE) 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R., (2015 UNIFORM PLUMBING CODE) 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R. 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 6, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R., (2015 INTERNATIONAL FIRE CODE) 2016 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R., (CALGreen) 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. ANSI/ASHRAE-11A-222-C ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS. <p>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</p>	<p>VICINITY MAP</p>	<p>DIRECTIONS FROM AT&T</p> <p>DIRECTIONS FROM AT&T'S OFFICE AT 2500 CAMINO RAMON, SAN RAMON, CA</p> <ol style="list-style-type: none"> GET ON I-880 N 3 MI (1.0 MI) HEAD SOUTHWEST ON CAMINO RAMON TOWARD SHOP DR 0.3 MI TURN RIGHT ONTO BULLDOG CANYON RD 0.1 MI USE THE RIGHT 2 LANES TO MERGE ONTO I-880 N VIA THE RAMP TO SACRAMENTO 0.3 MI FOLLOW I-880 N I-80 E AND US-50 E TO MODOUR PLAZ RD IN EL DORADO COUNTY, TAKE EXIT 44A FROM US-50 E 1 MI 47 AM (121 MI) MERGE ONTO I-880 N 10.6 MI KEEP LEFT TO STAY ON I-880 N 0.0 MI KEEP LEFT AT THE FORK TO STAY ON I-880 N PARTIAL TOLL ROAD 0.3 MI KEEP LEFT AT THE FORK TO CONTINUE ON I-880 PARTIAL TOLL ROAD 1.4 MI USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO 0.4 MI MERGE ONTO I-80 E 29.5 MI KEEP LEFT AT THE FORK TO STAY ON I-80 E 12.1 MI KEEP LEFT AT THE FORK TO CONTINUE ON I-80E E/US-50 E/FUTURAL CITY FREEWAY, FOLLOW SIGNS FOR INDUSTRIAL RD BUSINESS/SACRAMENTO/SOUTH LAKE 0.2 MI CONTINUE ONTO US-50 E 38.5 MI TAKE EXIT 14A FOR WISSAHAM PLAZ RD 0.2 MI TAKE PLEASANT VALLEY RD TO KINCADE DR 16 MI (0.2 MI) USE THE RIGHT 2 LANES TO TURN RIGHT ONTO WISSAHAM PLAZ RD 1.7 MI TURN LEFT ONTO PLEASANT VALLEY RD 0.8 MI CONTINUE STRAIGHT TO STAY ON PLEASANT VALLEY RD 0.2 MI TURN RIGHT ONTO KINCADE DR 0.3 MI TURN RIGHT TO STAY ON KINCADE DR 0.3 MI <p>3209 LAURA BELLE COURT PLACERVILLE, CA 95667</p>																				
SPECIAL INSPECTIONS		APPROVALS																				
OCCUPANCY AND CONSTRUCTION TYPE		<table border="1"> <tr><td>APPROVED BY:</td><td>DATE:</td></tr> <tr><td>AT&T:</td><td></td></tr> <tr><td>VENDOR:</td><td></td></tr> <tr><td>R.F.:</td><td></td></tr> <tr><td>LEASING / LANDLORD:</td><td></td></tr> <tr><td>ZONING:</td><td></td></tr> <tr><td>CONSTRUCTION:</td><td></td></tr> <tr><td>POWER / TELCO:</td><td></td></tr> <tr><td>PG&E:</td><td></td></tr> </table>	APPROVED BY:	DATE:	AT&T:		VENDOR:		R.F.:		LEASING / LANDLORD:		ZONING:		CONSTRUCTION:		POWER / TELCO:		PG&E:		GENERAL CONTRACTOR NOTES	
APPROVED BY:	DATE:																					
AT&T:																						
VENDOR:																						
R.F.:																						
LEASING / LANDLORD:																						
ZONING:																						
CONSTRUCTION:																						
POWER / TELCO:																						
PG&E:																						
<p>OCCUPANCY: U (UNMANNED) CONSTRUCTION TYPE: V-8</p>			<p>DO NOT SCALE DRAWINGS</p> <p>THESE DRAWINGS ARE FORWARDED 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 PROJECT ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR NATIONAL ORDERS OR BE RESPONSIBLE FOR THE SAME.</p>	<p>DIGALERT 800-227-2600 Call 24 Hours Daily 7x24 Hours</p>																		



PROPERTY INFORMATION

Owner: GERALD & JANET PATTERSON
 Address: 3200 LAUREL WALK COURT
PLACERVILLE, CA 95667

Site: COAHULE - SAN JOAQUIN
 Address: 1500 BELL WHEELER LAUREL WALK COURT & KINCAID DRIVE
PLACERVILLE, CA 95667

Assessor's Parcel Number: 099-130-05

Height of Building/Tower: N/A

Title Report: N/A

Legal Description: PARCEL 3 (25 PM 2)

PROPERTY SITUATED IN THE CITY OF PLACERVILLE, COUNTY OF EL DORADO, STATE OF CALIFORNIA.

FEMA FLOOD HAZARD DESIGNATION National Flood Insurance Program

County: EL DORADO (Effective Date: SEPTEMBER 25, 2009)

Community/Preval Number: 05017C-0003-E

The Flood Zone Designation for this site as plotted is scale is:

ZONE X (no shading) - Areas determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA

AND BY: QUICK RIVER
 Land Services Inc.
 11501 Laguna Hills Blvd., Suite 200
 Laguna Hills, CA 92653
 (951) 734-6786

Date of Field Survey: DECEMBER 4, 2018

NOTES

1. This is not a boundary survey. This is a topographic map showing the location of the proposed site and the surrounding area. The map shows the location of the proposed site and the surrounding area. The map shows the location of the proposed site and the surrounding area.

2. The utility lines shown on this map are based on the utility records of the City of Placerville. The utility records are based on the utility records of the City of Placerville. The utility records are based on the utility records of the City of Placerville.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California, do hereby certify that the information, measurements, monuments, and other data shown on this map were obtained by me or under my direct supervision and that I am a duly licensed and qualified land surveyor. I am not a duly licensed and qualified land surveyor. I am not a duly licensed and qualified land surveyor.

LEGEND

APN	ASSESSOR'S PARCEL NUMBER	ASPHALT
CP	CONTROL POINT	CONCRETE
EL	ELEVATION	CONTROL POINT
FW	FINE WOODWAY	FOUND MONUMENT
FWO	FOUND	OPEN POINT
HT	HEIGHT	PARADEL/ROOF ELEVATIONS
MOM	MONUMENT	SPOT ELEVATION
M-M	MONUMENT TO MONUMENT	TEMPORARY BENCHMARK
P.B.G.	POINT OF BEGINNING	
P.S.C.	POINT OF COMMENCEMENT	
PP	POWER POLE	
[TYP.]	TYPICAL	

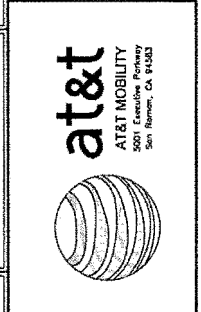
DATE: MARCH 6, 2017

DRAWN BY: MAS

FILE NO.: EPIC1606

REVISIONS

DATE	DESCRIPTION	INITIAL
12/05/18	FOR ISSUE	MAS
12/29/18	ISSUE COMPLETE	MAS
1/21/17	ADDRESS REVISION	NO
5/8/17	ADDRESS REVISION	NO



EXISTING SITE CONDITIONS

CVL03161
 OLD FORT JIM
 1500 FEET WEST FROM
 LAUREL BELLE CT. @ KINCAID DR.
 PLACERVILLE, CA 95667

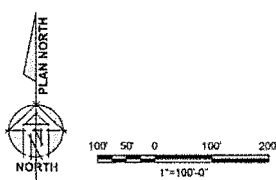
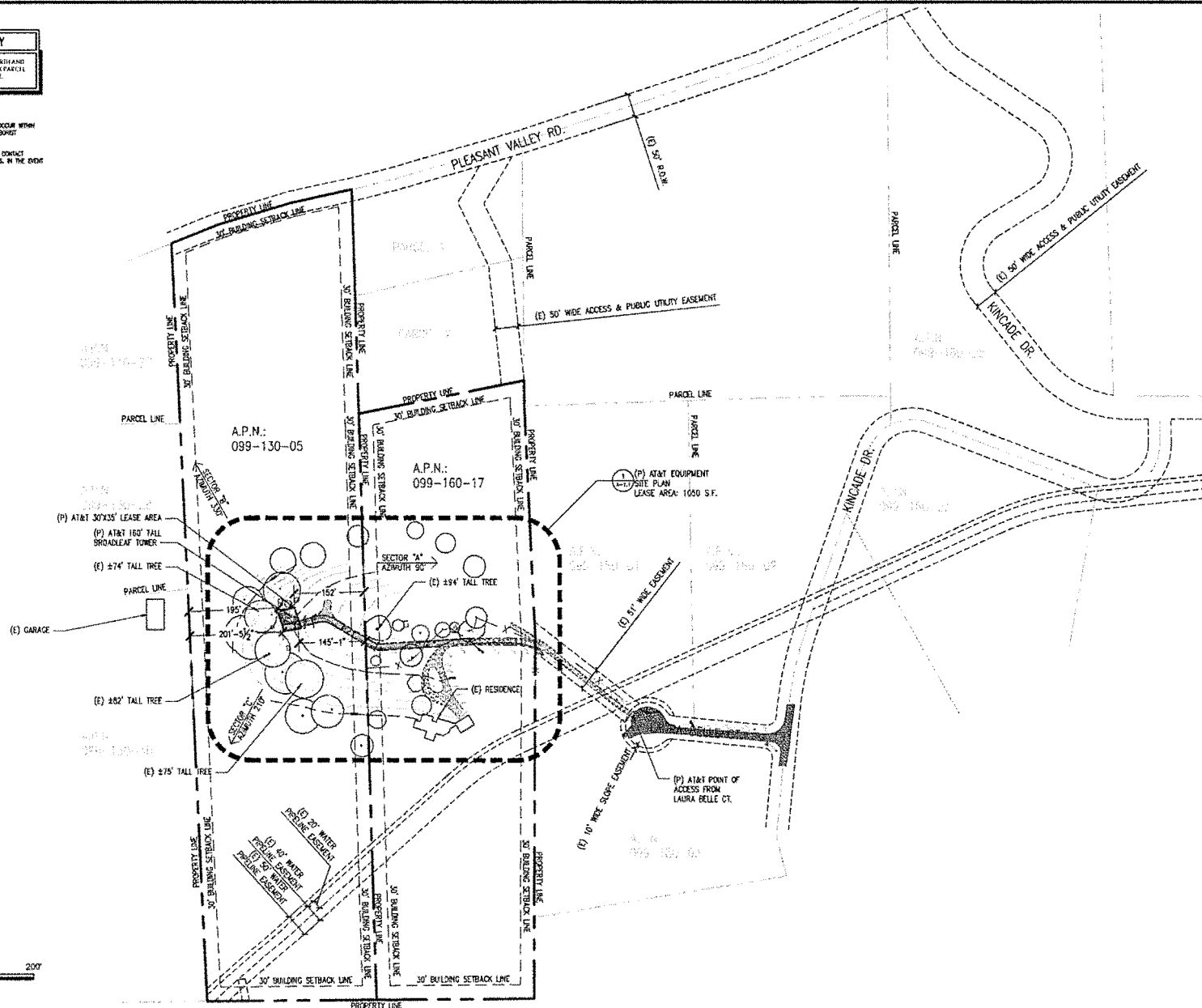
C1
 OF 1 SHEET

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, CORNER POINTS OF THE NORTH AND STREET RIGHT-OF-WAYS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND UNDERSTANDING OF AERIAL AND FIELD SURVEYING.

NOTES:

1. NO CONSTRUCTION OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN DASH LINES OF TREES THAT ARE TO REMAIN WITHOUT PERMIST APPROVAL.
2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT LOCALITIES TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICT, CONTRACTOR TO CONTACT PUC.



1 OVERALL SITE PLAN
1"=100'-0"

SITE TYPE: BROADLEAF TOWER/SHELTER

Issued For:
OLD FORT JIM
1,500 FEET WEST FROM
THE INTERSECTION OF
LAURA BELLE CT. AND
KINCAID DR.
PARCEL: 099-130-05
PLACERVILLE, CA 95667

PREPARED FOR

2800 Camino Ramon, #4850 H
San Ramon, California 94583

AT&T SITE NO: CV103161
PROJECT NO: 13787599
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
1	01/10/17	ISSUED FOR PERMITS
2	01/10/17	ISSUED FOR PERMITS
3	01/10/17	ISSUED FOR PERMITS
4	01/10/17	ISSUED FOR PERMITS
5	01/10/17	ISSUED FOR PERMITS
6	01/10/17	ISSUED FOR PERMITS
7	01/10/17	ISSUED FOR PERMITS
8	01/10/17	ISSUED FOR PERMITS
9	01/10/17	ISSUED FOR PERMITS
10	01/10/17	ISSUED FOR PERMITS

Licensor:

IF THESE PLANS ARE USED FOR ANY PURPOSE OTHER THAN THAT SPECIFIED HEREIN, THE USER ASSUMES ALL LIABILITY FOR ANY AND ALL DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, TO THE EXTENT PERMITTED BY LAW.

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

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

site 1 - Exhibit G

DATE December 14, 2017

Version Date February 28, 2017

BY Roger Trout / drc
EXECUTIVE SECRETARY



Photosimulation of the view looking east from the clearest view along Pleasant Valley Road.

Old Fort Jim
Kincaid Drive
Pleasantville, CA 95667
CVL00181



Proposed 100 ft broadcast tower pole

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RECEIVED
OCT 31 2017
15 46 AM OC 2017

S 17-0004



Photomontage of the view looking southwest from the Gold Oak Elementary School.

Old Fort Jim
Kinrade Drive
Placerville, CA 95227
CVL02181





Photosimulation of the view looking southeast from Roc Road.

Old Fort Jim

Kinrade Drive
Placerville, CA 95667
CVL0361





Existing

Photosimulation of the view looking west from Kincaide Drive, at Laura Belle court.

Old Fort Jim
Kincaide Drive
Placerville, CA 95667
CVL00141



Proposed

Aerial photograph showing the viewpoints for the photosimulations.

Old Fort Jim
Kincaid Drive
Petaluma, CA 94957
CVL02181



DATE December 14, 2017

BY Roger Trout /drc
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	Old Fort Jim	Site Structure Type:	Monopine
Address:	3209 Laura Belle Court	Latitude:	38.689782
	Placerville, California	Longitude:	-120.719693
Report Date:	March 8, 2017	Project:	New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Old Fort Jim site located at 3209 Laura Belle Court, Placerville, 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.

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

f=Frequency (MHz)

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

Old Fort Jim-New Build 030817

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:

- Add twelve (12) new antennas
- Add nineteen (19) new RRUS

The antennas will be mounted on a new 160-foot monopine erected for this purpose with centerlines at 140 and 150 feet above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 27,719 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 0.7615% of the FCC General Population limits (0.1523% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.4650% of the FCC General Population limits (0.0930% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the monopine, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.0120% of the FCC General Population limits (0.0024% of the FCC Occupational limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate that informs personnel entering the site of basic precautions to be followed when working around antennas. RF alerting signage (Caution) should be posted at the base of the proposed monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

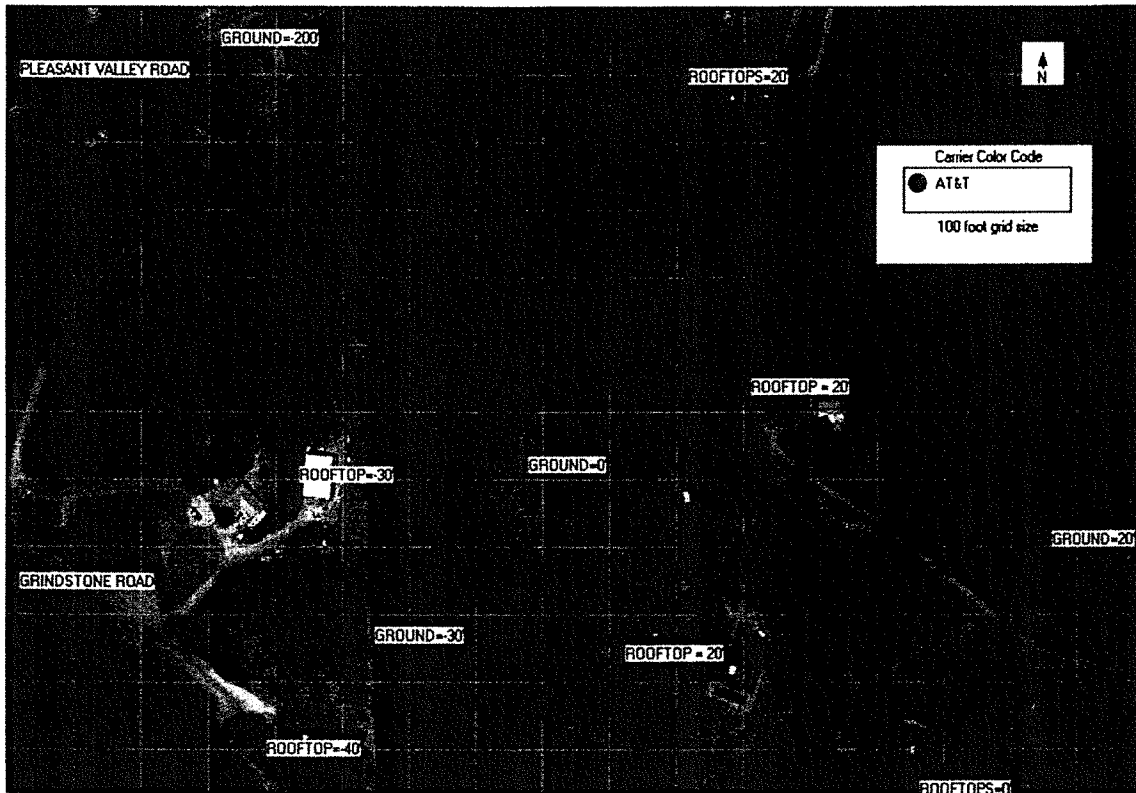


Figure 1: Antenna Locations

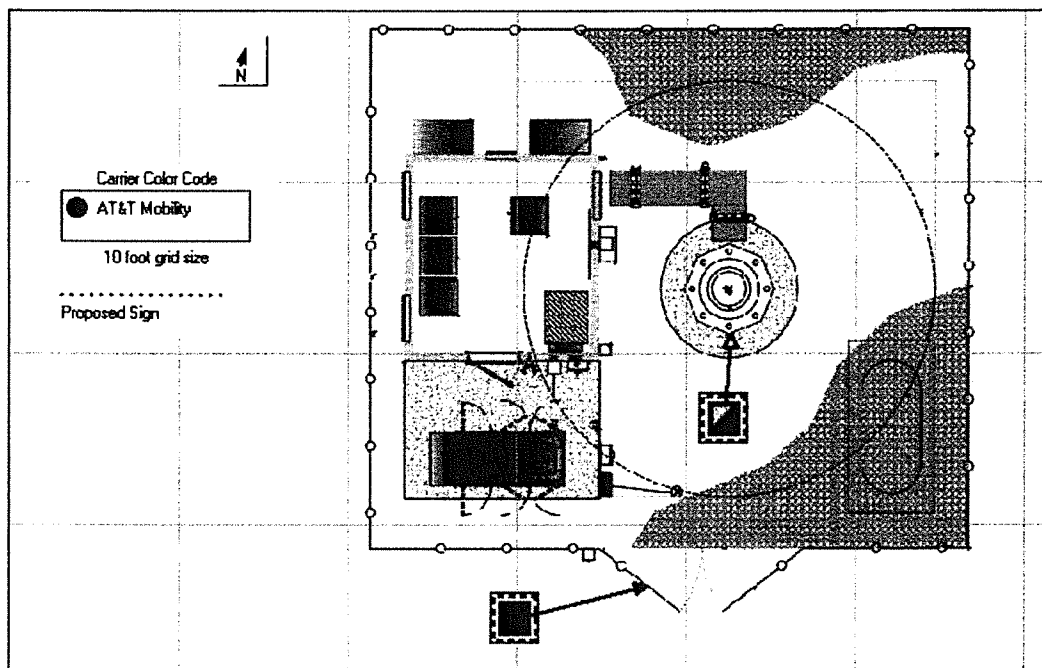


Figure 2: Mitigation Recommendations

Old Fort Jim-New Build 030817

Compliance Statement

Based on information provided by AT&T Mobility, predictive modeling and the mitigation action to be implemented by AT&T Mobility, the installation proposed by AT&T Mobility at 3209 Laura Belle Court, Placerville, 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 these areas to authorized personnel that have completed RF safety training is required for Occupational environment compliance.

Certification

I, Steven N. Baier-Anderson, 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.



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 DATES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF IMPAIRED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE ON-SITE 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 HAS 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 ON-SITE 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 WASTE 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 HANDLING 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 AMPLIE 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.
<p>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</p> <p>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</p>			

FIBER ROLL NOTES:

- REPAIR OR REPLACE SPILT, TORN UNRAVELING OR SLUING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4" O.C. PARALLEL TO (E) CONTAINERS.
- 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.
- 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.
- 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:

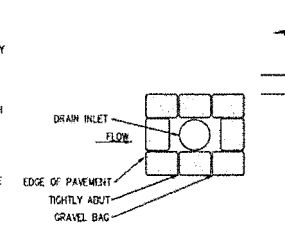
- THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE DUMPS, AS WELL AS ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- 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.
- THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION WHEN APPLICABLE FOR SITES NOT ACCESSIBLE BY COMMERCIALLY PREPARED ACCESS. 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.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEP AT THE END OF EACH WORKING DAY OR AS NECESSARY.
- 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.
- 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.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- 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.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

- 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.
- 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.
- 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 PUMP 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.
- 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.
- 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 GRIP PAINT. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.
- 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.

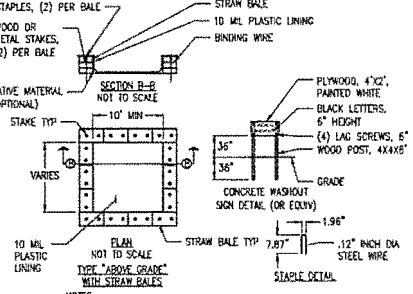
- USE "BMPs" AT ALL PHASES OF CONSTRUCTION.
- GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINANTS. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVEL 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.
- IF ANY 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 CONTAMINANTS.
- REMOVE DIRT, DEBRIS AND MUDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS OR A DAILY BASIS AND AS DIRECTED BY THE CITY ENGINEER. A CONCRETE 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.
- CONTRACTOR TO FIELD IDENTIFY "BMPs" (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:

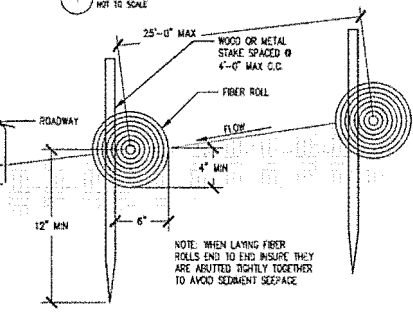
- CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF WORK. THIS INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS ON PRIVATE PROPERTY.
- CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/CROSS FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY FROM CONSTRUCTION VEHICLES.
- 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.
- CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY SWEEPING METHOD, AS NECESSARY, TO REMOVE CONSTRUCTION OR DECONTAMINATION-RELATED SEDIMENT FROM PUBLIC SIDEWALKS, GUTTERS AND ROADWAY.
- CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.
- CONTRACTOR SHALL INSTALL AN APPROVED WASH-OUT STRUCTURE AT THE CONSTRUCTION SITE. ALL CONCRETE, PAINT, SLUDGE AND OTHER LIQUIDS WILL BE WASHED OUT IN THIS AREA.
- CONTRACTOR SHALL PROVIDE DUST CONTROL TO PREVENT THE HAZARD OF BLOWING DUST WITHOUT CAUSING SEDIMENT, DEBRIS, OR LITTER TO ENTER THE ANY STORM DRAIN SYSTEM.
- CONTRACTOR SHALL INSTALL ANY OTHER BMPs AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND ADHERENCE TO THE LOCAL REQUIREMENTS.



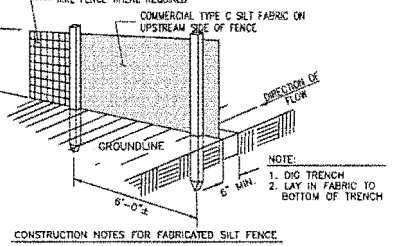
1 DRAIN INLET DETAIL NOT TO SCALE



2 CONCRETE WASHOUT DETAIL NOT TO SCALE



3 FIBER ROLL DETAIL NOT TO SCALE



4 TYPE C SILT FENCE DETAIL NOT TO SCALE

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

Prepared for:
NASHVILLE
858 SAND RIDGE RD.
EL DORADO, CA 95623

Prepared for:
at&t
2900 Camino Ramon, #9000
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: 02VLC3156
PROJECT NO: 13789462
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
1	02/15/2011	ISSUED FOR PERMITS
2	02/15/2011	ISSUED FOR PERMITS
3	02/15/2011	ISSUED FOR PERMITS
4	02/15/2011	ISSUED FOR PERMITS
5	02/15/2011	ISSUED FOR PERMITS
6	02/15/2011	ISSUED FOR PERMITS
7	02/15/2011	ISSUED FOR PERMITS
8	02/15/2011	ISSUED FOR PERMITS
9	02/15/2011	ISSUED FOR PERMITS
10	02/15/2011	ISSUED FOR PERMITS

Licensed Professional Engineer
ADAPTIVE RE-USE ENGINEERING
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crognhnen@icp.com

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3115 LEBLANC WAY
SACRAMENTO, CA 95821
crognhnen@icp.com

SHEET TITLE:
EROSION CONTROL NOTES

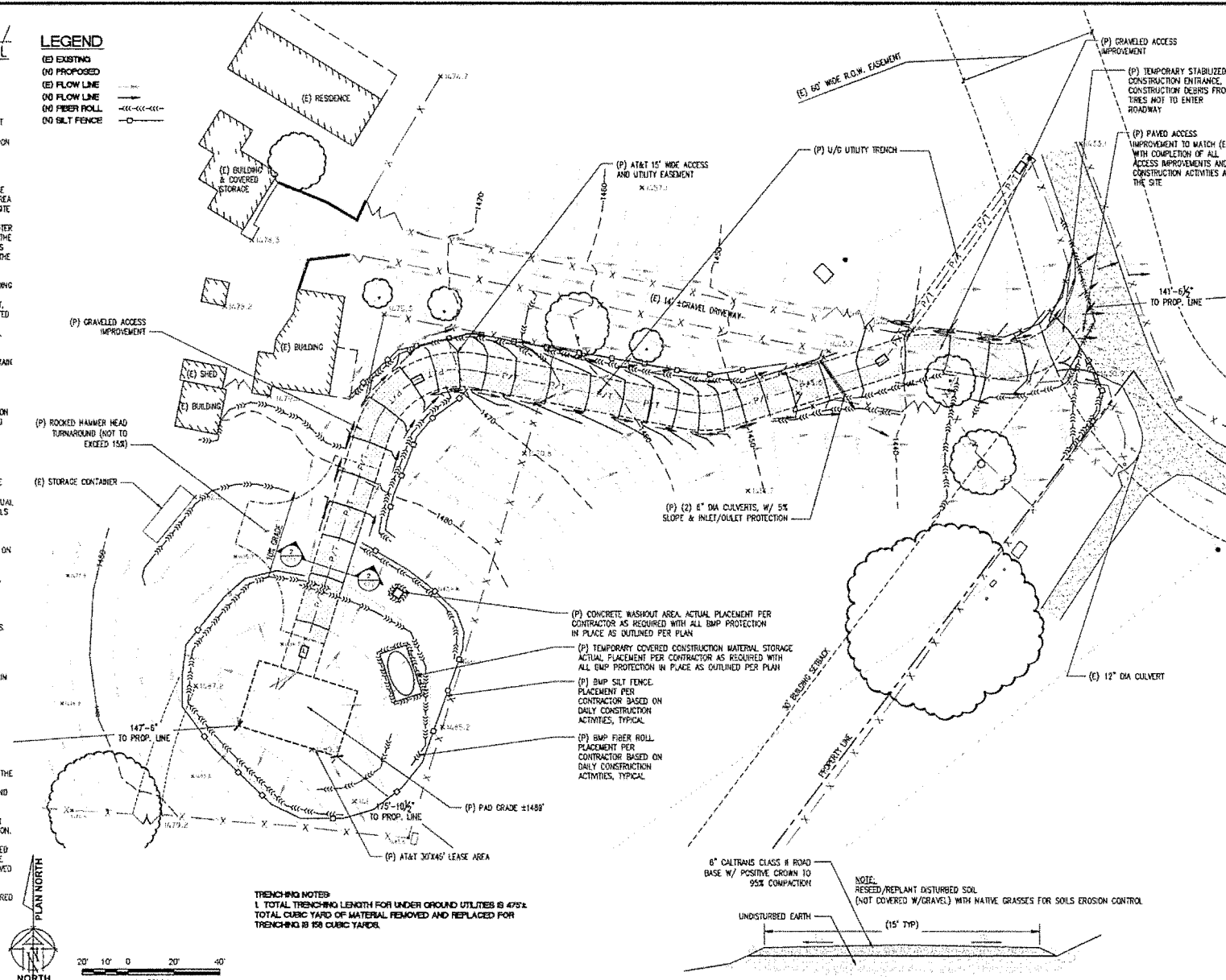
SHEET NUMBER:
C-2

**CONSTRUCTION EROSION/
SEDIMENTATION CONTROL
PLAN NOTES:**

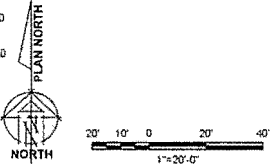
1. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
2. GRAVEL BAGS WITH FIBER ROLLS AND SILT BARRIER AS NEEDED AND/OR BAD INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. 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 INSTANT 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 LOG BASIS (OR AS DIRECTED BY THE CITY ENGINEER). CONCRETE, STUCCO WASHOUT SHALL BE ON SITE AT ALL TIMES. CONTRACTOR TO FIELD IDENTIFY BEST LOCATION AND BEST METHOD TO PREVENT SOILS 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 STORED 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.

LEGEND

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



TRENCHING NOTES
 1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 475'
 2. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 158 CUBIC YARDS.



DESIGNED FOR:
NASHVILLE
 858 SAND RIDGE RD.
 EL DORADO, CA 95623

PREPARED FOR:

 2802 Camino Ramon, #485611
 San Ramon, California 94583

EPIC
 WIRELESS GROUP

AT&T SITE NO: CV10315A
 PROJECT NO: 13709462
 DRAWN BY: CES
 CHECKED BY: CES

NO.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 No. 84674
 ENGINEER
 ADAPTIVE RE-USE ENGINEERING
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 SACRAMENTO, CA 95821
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 214-407-3184
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SHEET TITLE:
GRADING PLAN AND DETAILS

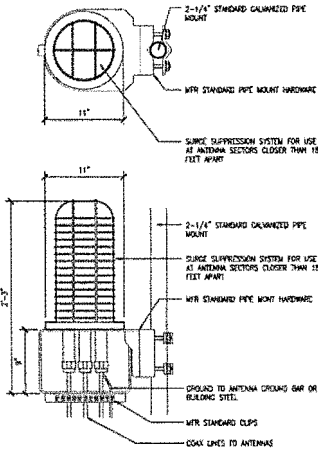
SHEET NUMBER:
C-2.1

1 GRADING PLAN
 1"=20'-0"

2 ACCESS ROAD DETAIL
 NOT TO SCALE

SITE TYPE: LATTICE TOWER/SHELTER

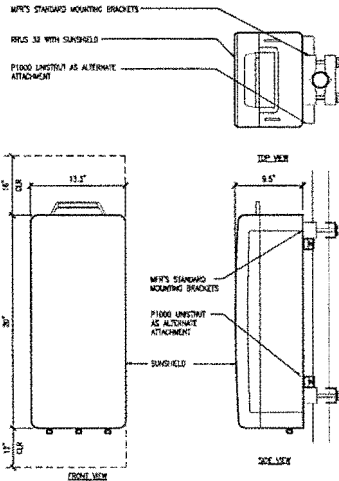
RAYCAP 100-42-50-18-RF-A
 DC-49-40-02-01 SURGE SUPPRESSION
 QUALITY
 COLOR: BLACK/SILVER
 DIMENSIONS: 11" DIA X 27" TALL W/ 3" BASE
 WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



1 DC SURGE SUPPRESSION (SQUID)
 1 1/2"x1'-0"

ERICSSON WCS RRU-32

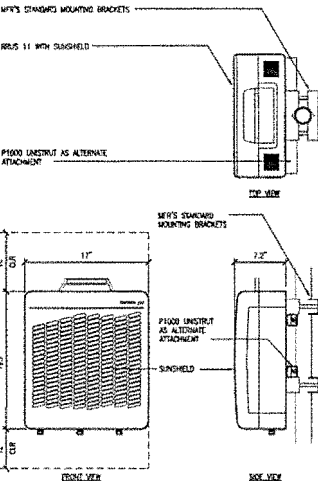
MODEL: ARI(1) 473/1
 COLOR: WHITE
 DIMENSIONS: 28" TALL X 13.5" WIDE X 9.5" DEEP (INCLUDING SUNSHIELD)
 WEIGHT: +/- 77 LBS. (INCLUDING MOUNTING HARDWARE)
 MP'S STANDARD MOUNTING BRACKETS



2 ERICSSON WCS RRU-32 REMOTE RADIO UNIT
 1 1/2"x1'-0"

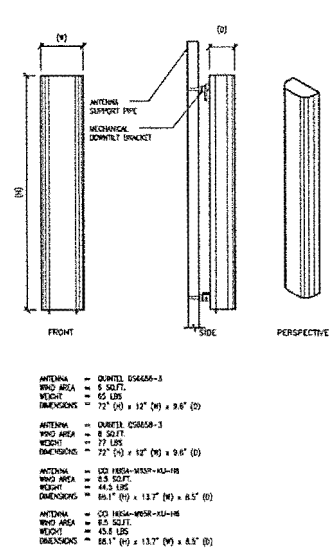
ERICSSON RRU-11 REMOTE RADIO UNIT

COLOR: WHITE
 DIMENSIONS: 19.7" TALL X 17" WIDE X 7.2" DEEP (INCLUDING SUNSHIELD)
 WEIGHT: +/- 52 LBS. (INCLUDING MOUNTING HARDWARE)
 MP'S STANDARD MOUNTING BRACKETS



3 ERICSSON RRU-11 REMOTE RADIO UNIT
 1 1/2"x1'-0"

HEX ANTENNA SPEC

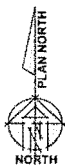
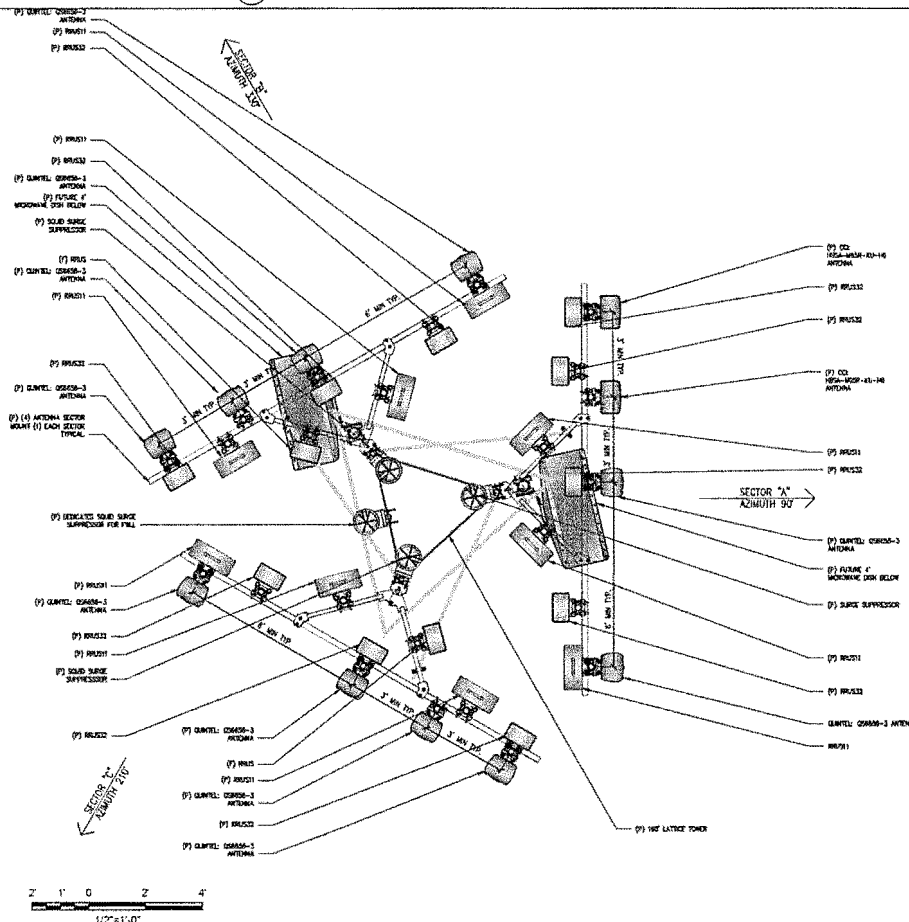


4 HEX ANTENNA SPEC
 3/4"x1'-0"

		RF SCHEDULE						
SECTOR	ANTENNA MODEL	AZIMUTH	RAD CENTER	ROLL	TWA	FIBER LENGTH	COAX LENGTH	FIBER NO.
A	AD	330°	E 150'-0"	(1) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 1
A	AD	330°	E 150'-0"	(2) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 4
A	AD	330°	E 150'-0"	(3) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 2
A	AD	330°	E 150'-0"	(4) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 3
B	B1	330°	E 150'-0"	(1) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 1
B	B1	330°	E 150'-0"	(2) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 4
B	B1	330°	E 150'-0"	(3) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 2
B	B1	330°	E 150'-0"	(4) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 3
C	C1	210°	E 150'-0"	(1) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 1
C	C1	210°	E 150'-0"	(2) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 4
C	C1	210°	E 150'-0"	(3) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 2
C	C1	210°	E 150'-0"	(4) RR011 (3) RR032	N/A	E 100'	E N/A	TRUNK 3
RF DATA SHEET #10002 DATED 02/22/17					(1) PROPOSED RUGS			
					(2) FUTURE RUGS			
					(3) TOTAL RUGS			

5 RF SCHEDULE
 NOT TO SCALE

RF DATA SHEET #10002 DATED 02/22/17



6 ENLARGED ANTENNA PLAN
 1/2"x1'-0"

SITE TYPE: LATTICE TOWER

issued For:
NASHVILLE
 858 SAND RIDGE RD.
 EL DORADO, CA 95623

PREPARED FOR:

 2000 Camino Ramon, #300014
 San Ramon, California 94583

EPC WIRELESS GROUP

AT&T SITE NO: CVL03156
 PROJECT NO: 13789462
 DRAWN BY: CES
 CHECKED BY: CES

NO.	REVISION	DATE
1	ISSUED FOR PERMITS	02/22/17
2	ISSUED FOR PERMITS	02/22/17
3	ISSUED FOR PERMITS	02/22/17
4	ISSUED FOR PERMITS	02/22/17
5	ISSUED FOR PERMITS	02/22/17
6	ISSUED FOR PERMITS	02/22/17
7	ISSUED FOR PERMITS	02/22/17
8	ISSUED FOR PERMITS	02/22/17
9	ISSUED FOR PERMITS	02/22/17
10	ISSUED FOR PERMITS	02/22/17

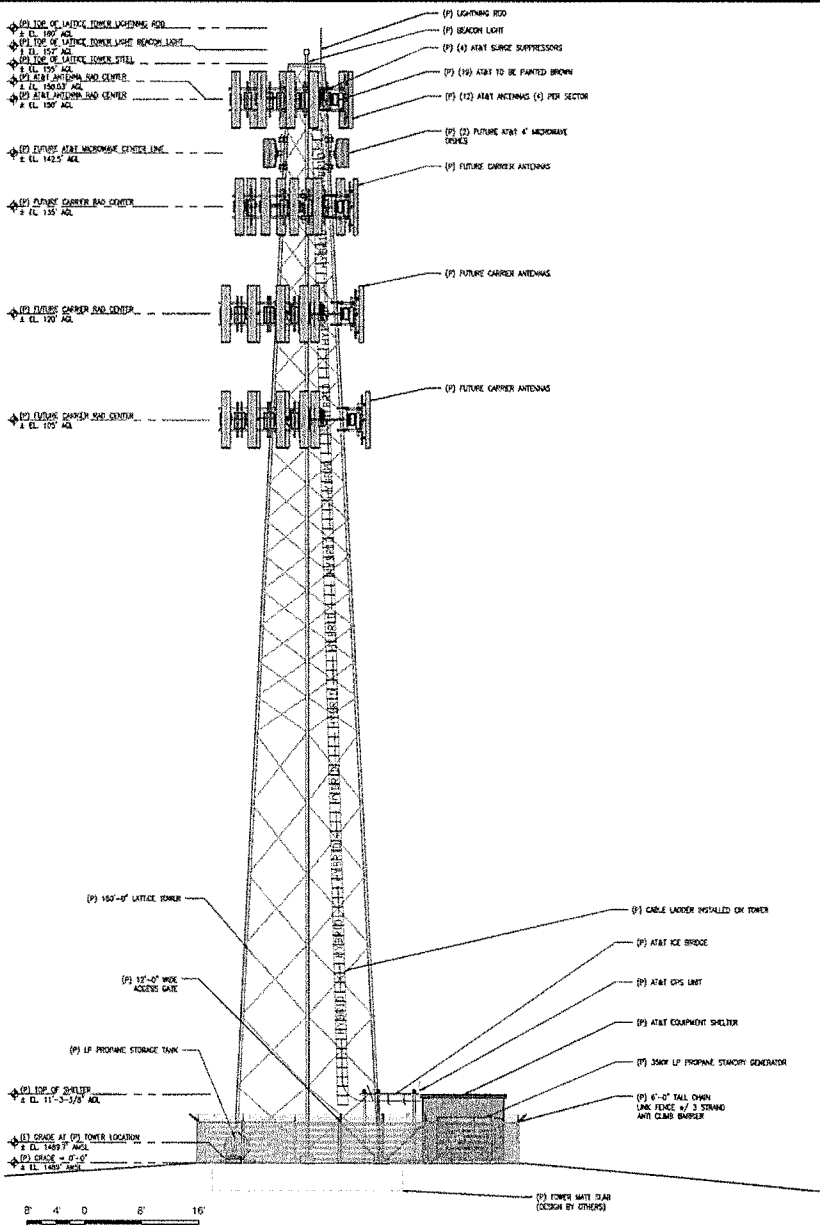
Licensee:

 ENGINEER
 ADAPTIVE RE-USE
 ENGINEERING
 Craig Homer, FE 84674
 3112 LEAHA WAY
 SACRAMENTO, CA 95821
 craighomer@yahoo.com

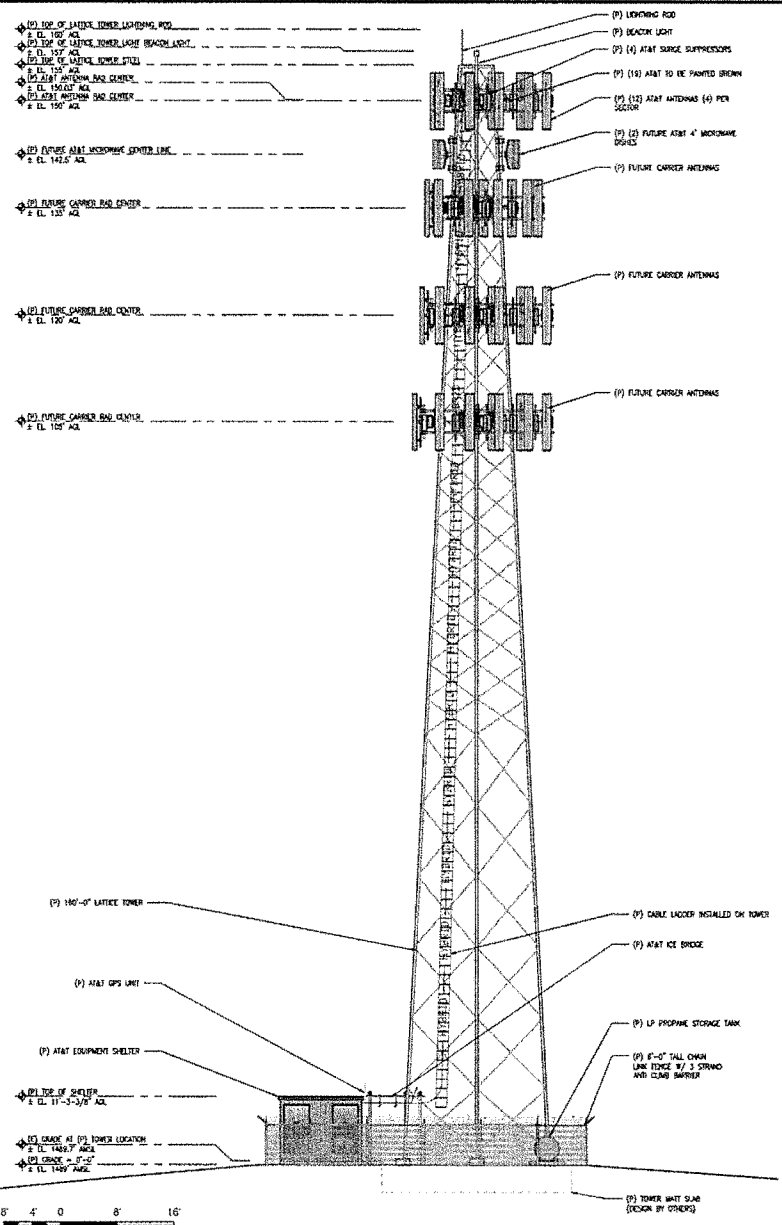
ENGINEER
ADAPTIVE RE-USE ENGINEERING
 Craig Homer, FE 84674
 3112 LEAHA WAY
 SACRAMENTO, CA 95821
 craighomer@yahoo.com

SHEET TITLE:
ANTENNA PLAN & DETAILS

SHEET NUMBER:
A-3



1 PROPOSED NORTH ELEVATION
1/8"=11'-0"



2 PROPOSED SOUTH ELEVATION
1/8"=11'-0"

SITE TYPE: LATTICE TOWER/SHELTER

ISSUED FOR
NASHVILLE
858 SAND RIDGE RD.
EL DORADO, CA 95623

PREPARED FOR
at&t
2400 Camino Real, #460014
San Francisco, California 94563

EPIC
WIRELESS GROUP

ALTERNATE NO: CVL03126
PROJECT NO: 13769462
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
No. 84674
STATE OF CALIFORNIA
CIVIL
CRAIG HORNOR

ENGINEER
ADAPTIVE RE-USE ENGINEERING
Craig Hornor, PE 84674
215-4407-3164
3115 ELSTINA WAY
SACRAMENTO, CA 95821
craighornor@yahoo.com

SHEET TITLE:
PROPOSED LATTICE TOWER
NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4.1

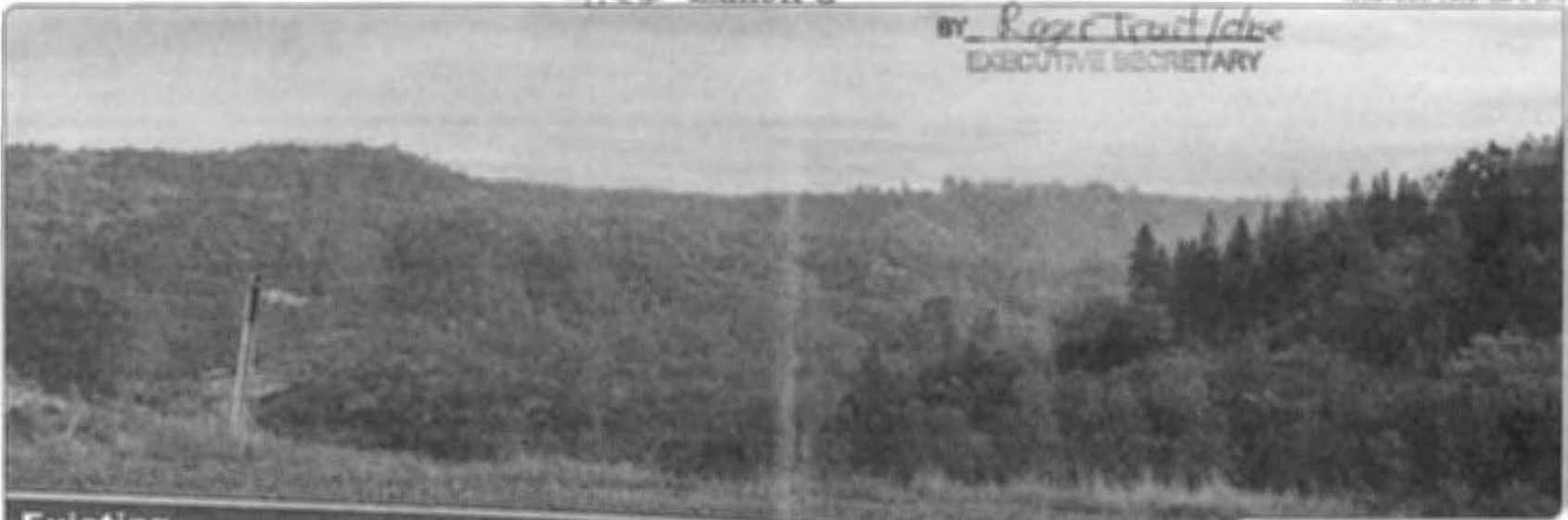
APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

Site 2 - Exhibit G

DATE December 14, 2017


Version Date: December 4, 2014

BY Roger Trout / dbe
EXECUTIVE SECRETARY



Existing

Photosimulation of the view looking east from the clearest view from along Hwy 49.

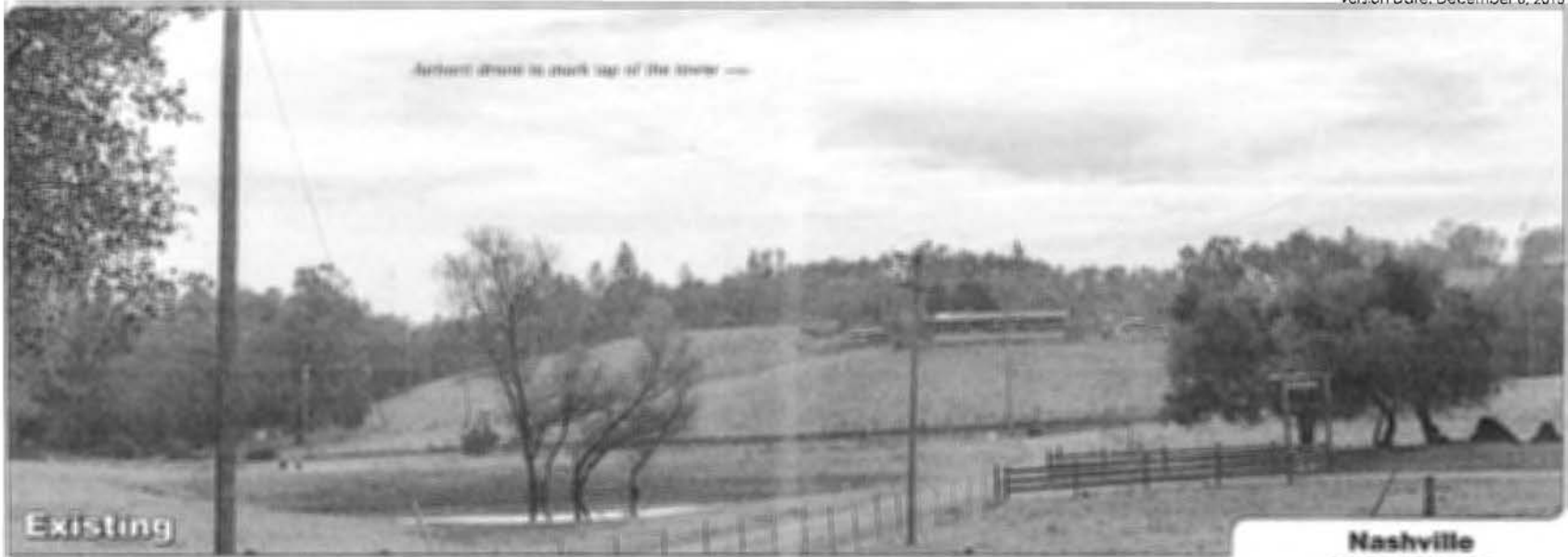
Nashville
888 Sand Ridge Rd
El Dorado, CA 95822
CVL010106




Proposed


2017 MAR 30 PM 3:12
RECEIVED
PLANNING DEPARTMENT

S 17-0004



Photosimulation of the view looking south from Mesquite Court.

Nashville
808 Sand Ridge Rd
El Dorado, CA 95822
CYL02134




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Existing

Photosimulation of the view looking west from the only view a little farther out Sand Ridge Road.

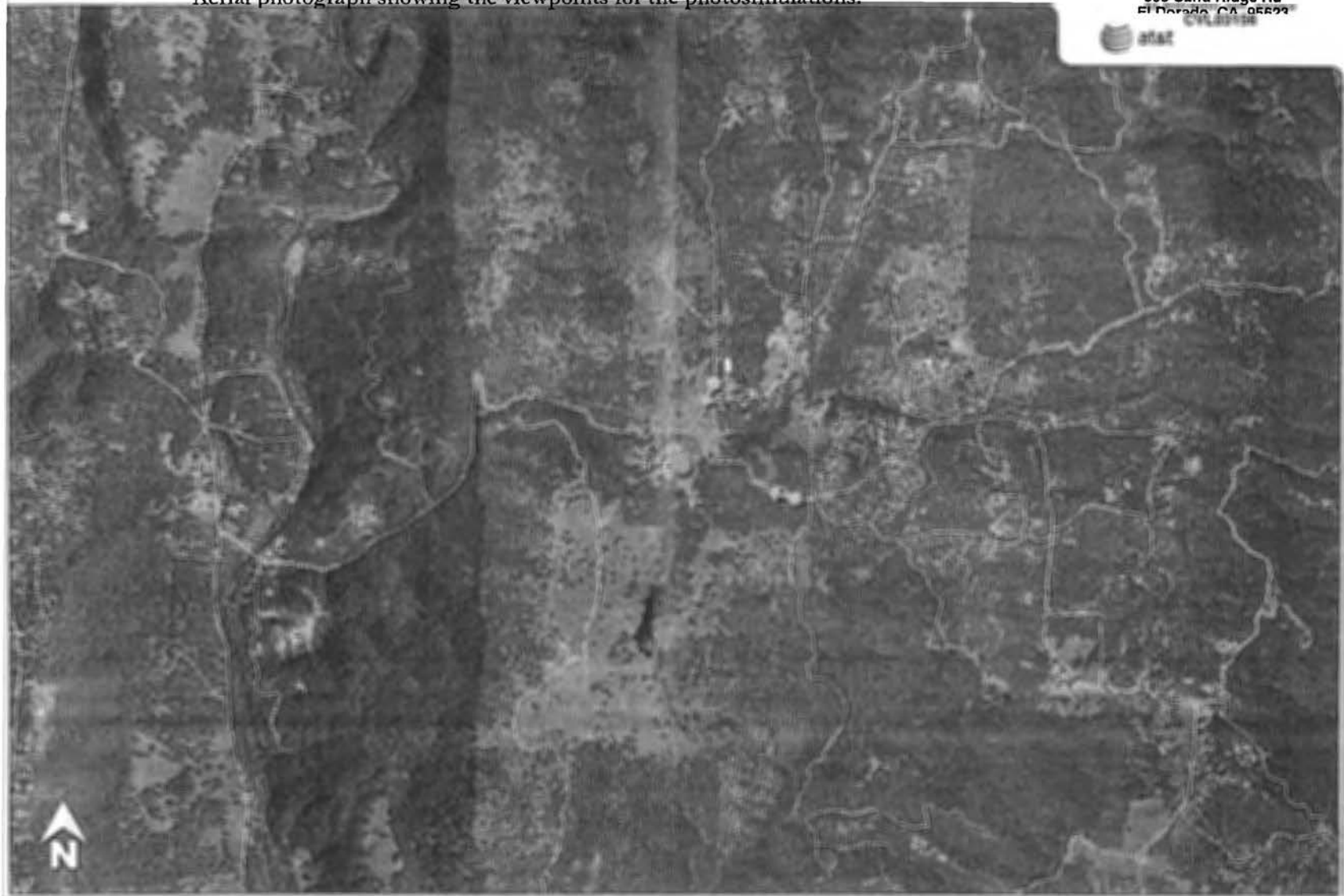
Nashville
800 Sand Ridge Rd
El Dorado, CA 95823
CVL0216
 ataf



Proposed

PHOTOGRAPHY BY: www.photofilm.com • Any modification is strictly prohibited. Printing letter size or larger is permissible. This photosimulation is based upon information provided by the project applicant.

Aerial photograph showing the viewpoints for the photosimulations.



Nashville

858 Sand Ridge Rd
El Dorado, CA 95622



DATE December 14, 2017

BY Roger Trout /drc
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE... FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Nashville	Site Structure Type: Lattice
Address: 858 Sand Ridge Road El Dorado, California	Latitude: 38.59277
Report Date: March 9, 2017	Longitude: -120.82289
	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Nashville site located at 858 Sand Ridge Road, El Dorado, 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.

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

f=Frequency (MHz)

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

Site 2 - Exhibit I

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:

- Add twelve (12) new antennas
- Add nineteen (19) new RRUS

The antennas will be mounted on a new 160-foot lattice tower erected for this purpose with centerlines at 150 above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 28,244 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 0.32% of the FCC General Population limits (0.0640% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.334% of the FCC General Population limits (0.0668% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the tower, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.0120% of the FCC General Population limits (0.0024% of the FCC Occupational limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate. RF alerting signage (Caution) should be posted at the base of the proposed tower to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

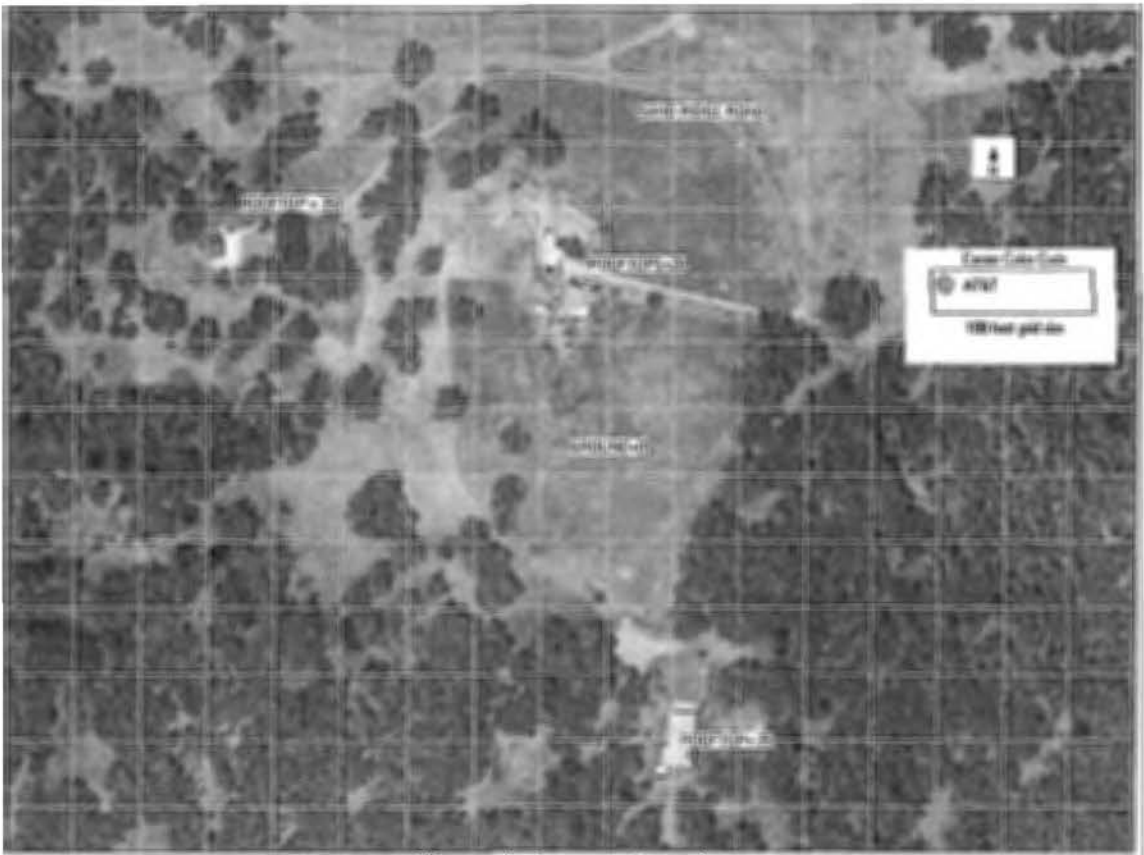


Figure 1: Antenna Locations

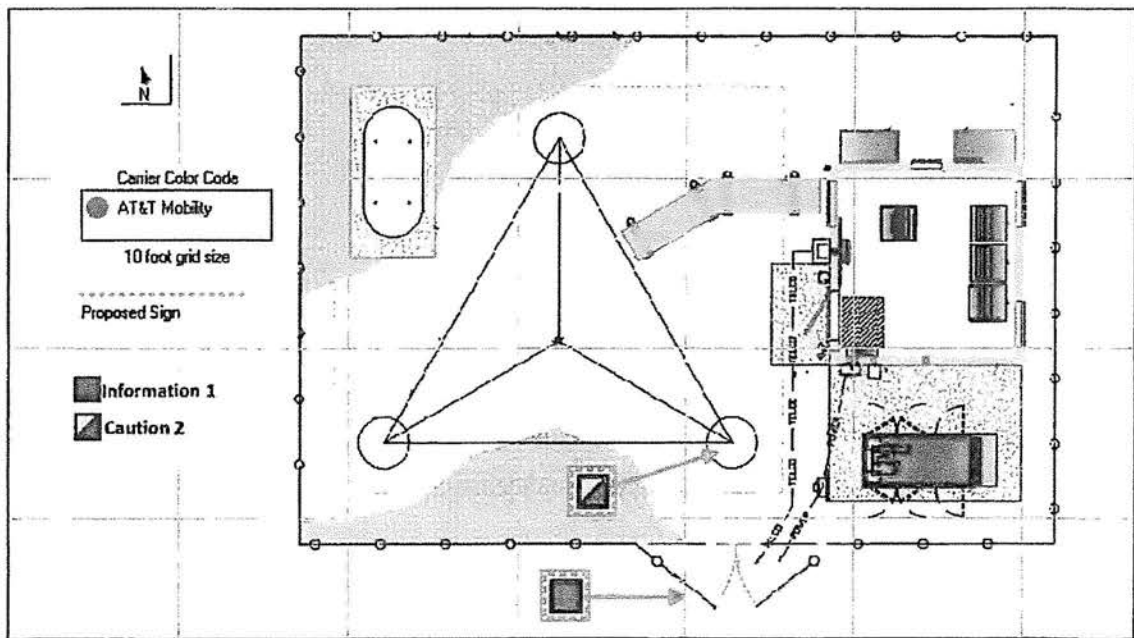


Figure 2: Mitigation Recommendations

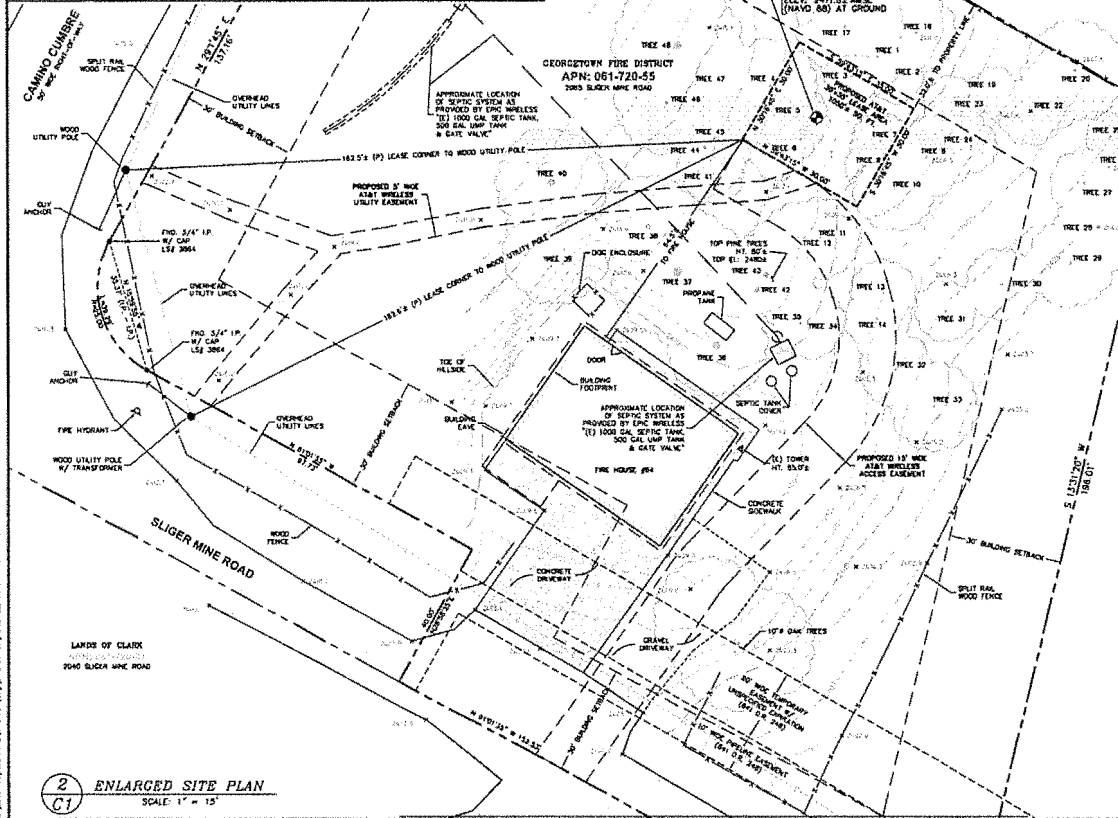
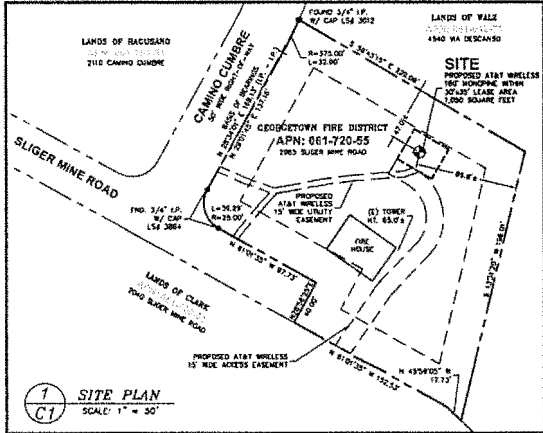
Compliance Statement

Based on information provided by AT&T Mobility, predictive modeling and the mitigation action to be implemented by AT&T Mobility, the installation proposed by AT&T Mobility at 858 Sand Ridge Road, El Dorado, 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 tower to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

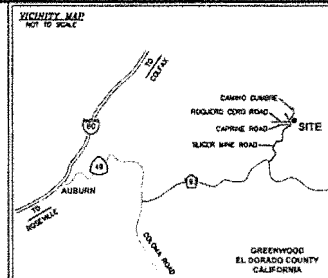
I, Steven N. Baier-Anderson, am the reviewer and approver of this report and am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency 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.





TREE INFORMATION TABLE

TREE NO.	TREE TYPE	DIAMETER	REMOVAL	TREE NO.	TREE TYPE	DIAMETER	REMOVAL
1	DOG	NOT SURVEYED		23	DOG	MAX. 8" TRUNK	
2	DOG	NOT SURVEYED		24	DOG	MAX. 8" TRUNK	
3	DOG	NOT SURVEYED		25	DOG	MAX. 8" TRUNK	
4	DOG	NOT SURVEYED		26	DOG	MAX. 8" TRUNK	
5	DOG	NOT SURVEYED		27	DOG	MAX. 8" TRUNK	
6	DOG	NOT SURVEYED		28	DOG	MAX. 8" TRUNK	
7	DOG	NOT SURVEYED		29	DOG	MAX. 8" TRUNK	
8	DOG	NOT SURVEYED		30	DOG	MAX. 8" TRUNK	
9	DOG	NOT SURVEYED		31	DOG	MAX. 8" TRUNK	
10	DOG	NOT SURVEYED		32	DOG	MAX. 8" TRUNK	
11	DOG	NOT SURVEYED		33	DOG	MAX. 8" TRUNK	
12	DOG	NOT SURVEYED		34	DOG	MAX. 8" TRUNK	
13	DOG	NOT SURVEYED		35	DOG	MAX. 8" TRUNK	
14	DOG	NOT SURVEYED		36	DOG	MAX. 8" TRUNK	
15	DOG	NOT SURVEYED		37	DOG	MAX. 8" TRUNK	
16	DOG	NOT SURVEYED		38	DOG	MAX. 8" TRUNK	
17	DOG	NOT SURVEYED		39	DOG	MAX. 8" TRUNK	
18	DOG	NOT SURVEYED		40	DOG	MAX. 8" TRUNK	
19	DOG	NOT SURVEYED		41	DOG	MAX. 8" TRUNK	
20	DOG	NOT SURVEYED		42	DOG	MAX. 8" TRUNK	
21	DOG	NOT SURVEYED		43	DOG	MAX. 8" TRUNK	
22	DOG	NOT SURVEYED		44	DOG	MAX. 8" TRUNK	
23	DOG	NOT SURVEYED		45	DOG	MAX. 8" TRUNK	
24	DOG	NOT SURVEYED		46	DOG	MAX. 8" TRUNK	
25	DOG	NOT SURVEYED		47	DOG	MAX. 8" TRUNK	
26	DOG	NOT SURVEYED		48	DOG	MAX. 8" TRUNK	
27	DOG	NOT SURVEYED		49	DOG	MAX. 8" TRUNK	
28	DOG	NOT SURVEYED		50	DOG	MAX. 8" TRUNK	



PROPERTY INFORMATION

Owner: GEORGETOWN FIRE DISTRICT
Address: 2065 SLIGER MINE ROAD, GREENWOOD, CA 95631
Site: CANTON L. BERTHOUD HILL
Address: 2065 SLIGER MINE ROAD, GREENWOOD, CA 95631
Assessor's Parcel Number: 061-720-55
Height of Building/Tower: N/A
Title Report: TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY, REPORT NO. 2006-100001, DATED AS OF SEPTEMBER 8, 2006.
Legal Description: PROPERTY SITUATED IN THE CITY OF GREENWOOD, COUNTY OF EL DORADO, STATE OF CALIFORNIA.

FLOOD HAZARD ZONE DESIGNATION National Flood Insurance Program
County: EL DORADO (Effective Date: SEPTEMBER 26, 2006)
Community/Flood Hazard: 05070-7000-E
The Flood Zone Designation for this site as posted by scope is:
ZONE 1 - Area determined to be outside the G25 annual chance floodplain.

SURVEY DATA
NO. 01 Datum
Last 25 Vertical Curve: 2.11111111111111
Datum Error: 0.000000. Equipment Used: Leica Topcon Receiver
Elevation: 115.000000
State of Elevation: 4115.000000 at GPS SITE LOCATION
GLOBAL POSITIONING SYSTEM (GPS)
Basis of Bearing: CALIFORNIA COORDINATES ZONE 10 AND TWO POINTS WITH ADJUSTMENTS AS SHOWN ON THAT CERTAIN TRACT MAP FILED IN BOOK 17 OF MAPS AT PAGE 51, RECORDS OF EL DORADO COUNTY, Date of Field Survey: SEPTEMBER 5, 2006.

NOTES

1) This is not a boundary survey. This is a georeferenced topographic map site property that was prepared using a georeferenced aerial photograph taken from a satellite. The photograph was processed using a georeferencing software program. The georeferencing process may introduce errors into the map. The georeferencing process may also introduce errors into the map. The georeferencing process may also introduce errors into the map. The georeferencing process may also introduce errors into the map.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor, do hereby certify that the above information was obtained from a georeferenced aerial photograph taken from a satellite. The photograph was processed using a georeferencing software program. The georeferencing process may introduce errors into the map. The georeferencing process may also introduce errors into the map. The georeferencing process may also introduce errors into the map. The georeferencing process may also introduce errors into the map.

LEGEND

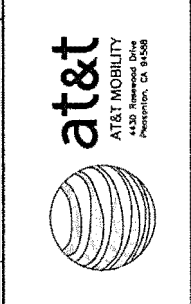
APN: ASSESSOR'S PARCEL NUMBER
CP: CONTROL POINT
CL: CONCRETE
FH: FIRE HYDRANT
FO: FOUND
HT: HEIGHT
MON: MONUMENT
MOM: MONUMENT TO MONUMENT
P.O.B.: POINT OF BEGINNING
P.O.C.: POINT OF COMMENCEMENT
PP: POWER POLE
(TYP.) TYPICAL

ASPHALT
CONCRETE
CONTROL POINT
FOUND MONUMENT
GPS POINT
PARAMETER/PROOF ELEVATIONS
SPOT ELEVATION
TEMPORARY MONUMENT

DATE: DECEMBER 2, 2016
DRAWN BY: RO
FILE NO.: EPIC1601

REVISONS

DATE	DESCRIPTION	INITIAL
10/24/16	REV 001E	RO
10/24/16	REV PER CLIENT REQUESTS	AS
10/24/16	100% COMPLETE	MS



EXISTING SITE CONDITIONS



CVL02069
BUFFALO HILL
2065 SLIGER MINE ROAD
GREENWOOD, CA 95635

C1
OF 1 SHEET

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 BY 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 DUNKS 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 ON-SITE 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 HAS 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 ON-SITE 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:

- REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4" O.C. PARALLEL TO (E) CORNERS.
- 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.
- 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.
- 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:

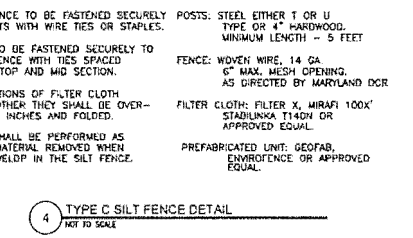
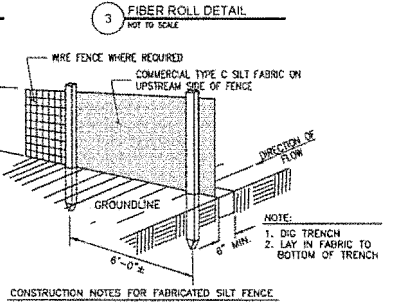
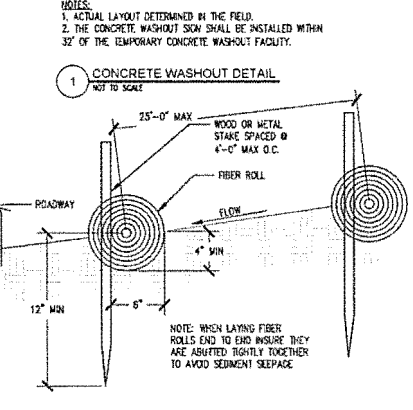
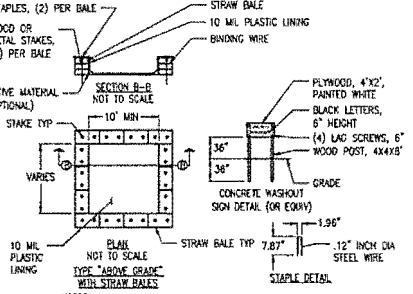
- THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO PROJECT START.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BUMPS, AS WELL AS ANY CORRECTIVE CHANGES TO THE BUMPS OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED AFTER THE WINTER SEASON.
- THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION WHEN APPLICABLE FOR SITES NOT ACCESSIBLE BY COMMERCIALLY PREPARED ACCESS. LOCATION OF THE ENTRANCE MAY BE ADJUSTED TO THE CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE (WHEN APPLICABLE) SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
- 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.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF FLOoding OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- 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.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

- 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.
- MATERIAL DELIVERY AND STORAGE:** PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING, STORE MATERIAL ON PALETTES AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY.
- CONCRETE WASTE:** PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFF-SITE. 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.
- 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.
- 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 ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.
- HAZARDOUS WASTE MANAGEMENT:** PREVENT THE DISPENSURE 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.

- USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
- GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD CHECK 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 TRAVELING EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAY. 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.
- ANY AN EXISTING MATERIALS INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPROVED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
- REMOVE DRIP, 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 BERM OR AS DIRECTED BY THE CITY ENGINEER. A CONCRETE WASHOUT BAIT SHOULD BE ON-SITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
- 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:

- 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.
- CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EXPOSED FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY FROM CONSTRUCTION VEHICLES.
- 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.
- CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY SWEEPING METHOD, AS NECESSARY, TO REMOVE CONSTRUCTION OR DEMOLITION-RELATED SEDIMENT FROM PUBLIC SIDEWALKS, CURBS AND ROADWAY.
- CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.
- 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.
- 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.
- CONTRACTOR SHALL INSTALL ANY OTHER BUMPS AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND ADHERENCE TO THE LOCAL REQUIREMENTS.



- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- POSTS: STEEL EITHER 1 OR U TYPE OR 4\"/>
- MINIMUM LENGTH = 5 FEET
- FENCE: WOVEN WIRE 14 GA 6\"/>
- MINIMUM HEIGHT OPENING, AS DIRECTED BY MARYLAND DCR
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>
- AS DIRECTED BY MARYLAND DCR
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- FILTER CLOTH: FILTER X, MIRAFI 100X STADILUNKA 114DN OR APPROVED EQUIV.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.
- PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUIV.

Prepared For:
BUFFALO HILL
 2065 SLUGER MINE RD.
 GREENWOOD, CA 95626

PREPARED FOR

 2600 Camino Ramon, #40024
 San Ramon, California 94583

AREA SHEET NO: CIV02069
 PROJECT NO: 13702697
 DRAWN BY: CES
 CHECKED BY: CES

NO.	DATE	DESCRIPTION
1	11/11/2013	ISSUED FOR PERMITS
2	11/11/2013	ISSUED FOR PERMITS
3	11/11/2013	ISSUED FOR PERMITS
4	11/11/2013	ISSUED FOR PERMITS
5	11/11/2013	ISSUED FOR PERMITS
6	11/11/2013	ISSUED FOR PERMITS
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16	11/11/2013	ISSUED FOR PERMITS
17	11/11/2013	ISSUED FOR PERMITS
18	11/11/2013	ISSUED FOR PERMITS
19	11/11/2013	ISSUED FOR PERMITS
20	11/11/2013	ISSUED FOR PERMITS

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 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 cto@adaptive-engineering.com

SHEET TITLE:
EROSION CONTROL NOTES

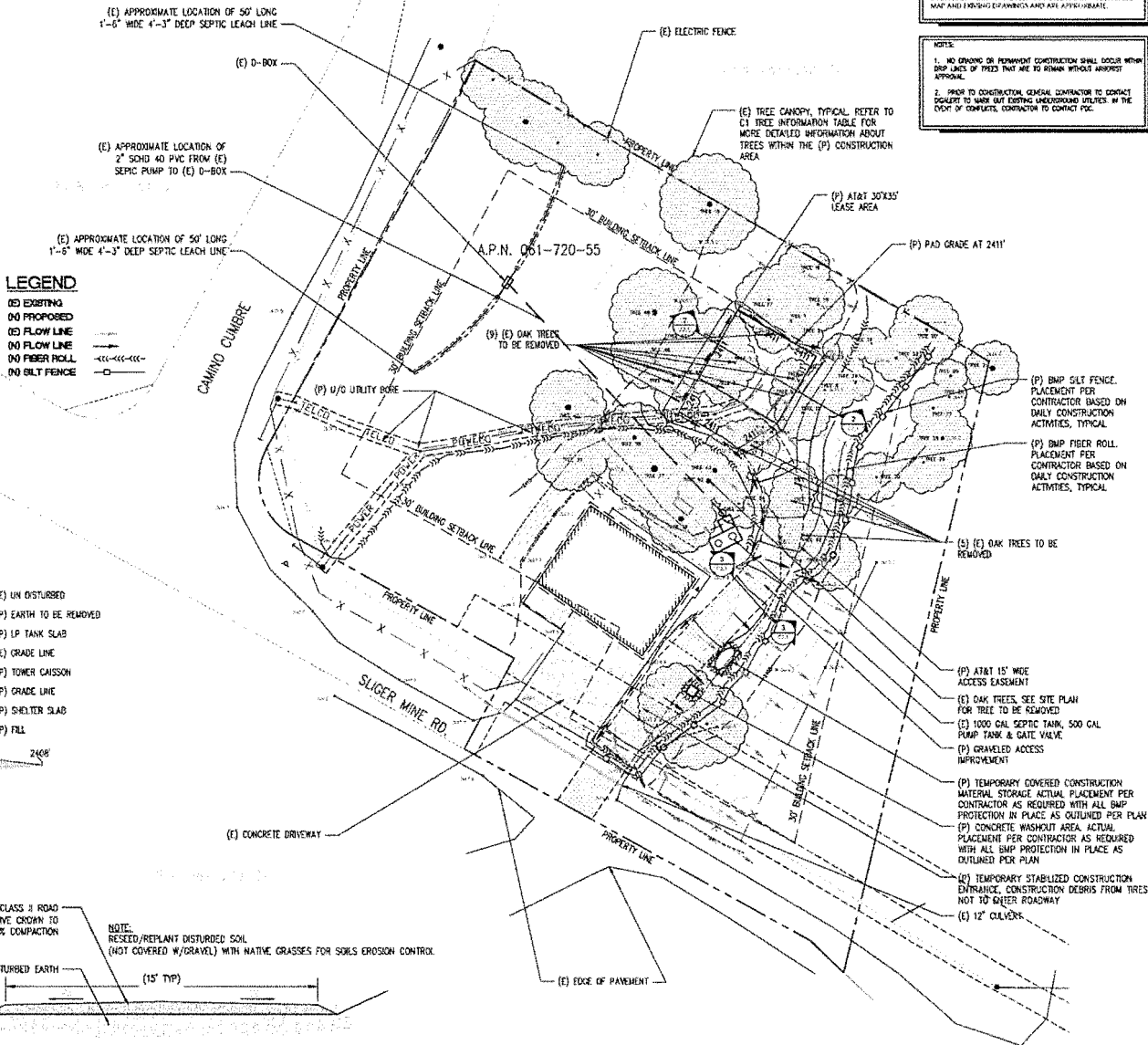
SHEET NUMBER:
C-2

CONSTRUCTION EROSION/ SEDIMENTATION CONTROL PLAN NOTES:

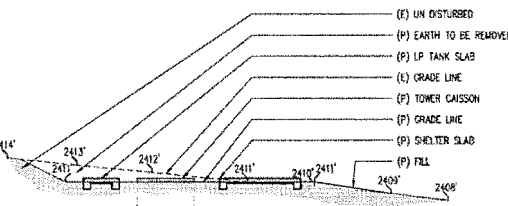
- USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
- GRAVEL BAGS WITH FIBER ROLLS AND SILT BARRIER AS NEEDED AND/OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINANTS. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. 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.
- 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 CONTAMINANTS.
- 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.
- 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.
- INSTALL SEDIMENT LOGS AROUND CONSTRUCTION AREA TO KEEP DEBRIS ON PROPERTY.
- PLACE GRAVEL BAGS AROUND NEARBY, DOWN STREAM STORM INLET(S) DURING CONSTRUCTION.
- REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) ADJOURNS.
- 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.
- 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.
- FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.
- ON-SITE WATER TRUCK MAY BE REQUIRED FOR DUST MITIGATION.

TRENCHING NOTES:
 1. TOTAL BORE LENGTH FOR UNDER GROUND UTILITIES IS 840'. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR BORE IS 839 CUBIC YARDS.

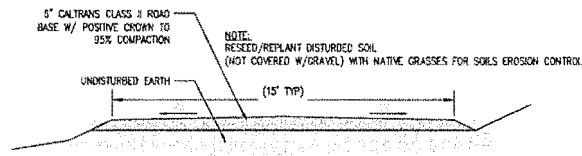
THIS IS NOT A SITE SURVEY
 ALL PROPERTY BOUNDARIES, ORIENTATION OF TREE BOUNDARIES, ELEVATIONS AND UTILITIES HAVE BEEN OBTAINED FROM A SURVEY MAP AND FIELD SURVEY AND ARE APPROXIMATE.
 NOTE:
 1. NO EROSION OR SEDIMENTATION CONSTRUCTION SHALL OCCUR WITHIN 50' OF ANY TREE THAT ARE TO REMAIN UNLESS APPROVED.
 2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT SQUARE TO MAKE SURE ALL EXISTING UNDERGROUND UTILITIES IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT P.C.



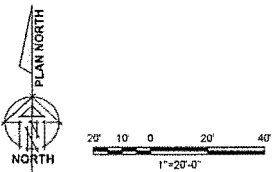
LEGEND
 (E) EXISTING
 (P) PROPOSED
 (E) FLOW LINE
 (P) FLOW LINE
 (E) FIBER ROLL
 (P) SILT FENCE



1. PAD SECTION DETAIL
 1/8"-1'-0"



2. PAD SECTION DETAIL
 NOT TO SCALE



1. GRADING PLAN
 1"=20'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:
BUFFALO HILL
 2065 SLIGER MINE RD.
 GREENWOOD, CA 95635

PREPARED FOR

 2400 Camino Ramon, #4030 N
 San Ramon, California 94583

DATE SHEET NO: CV102069
 PROJECT NO: 13787697
 DRAWN BY: CES
 CHECKED BY: CES

NO.	DESCRIPTION	DATE
1	ISSUED FOR	2/28/2013
2	REVISED	2/28/2013
3	REVISED	2/28/2013
4	REVISED	2/28/2013
5	REVISED	2/28/2013
6	REVISED	2/28/2013
7	REVISED	2/28/2013
8	REVISED	2/28/2013
9	REVISED	2/28/2013
10	REVISED	2/28/2013
11	REVISED	2/28/2013
12	REVISED	2/28/2013

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 craighomer@yahoo.com

Engineer:
ADAPTIVE RE-USE ENGINEERING
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 craighomer@yahoo.com

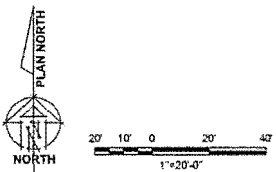
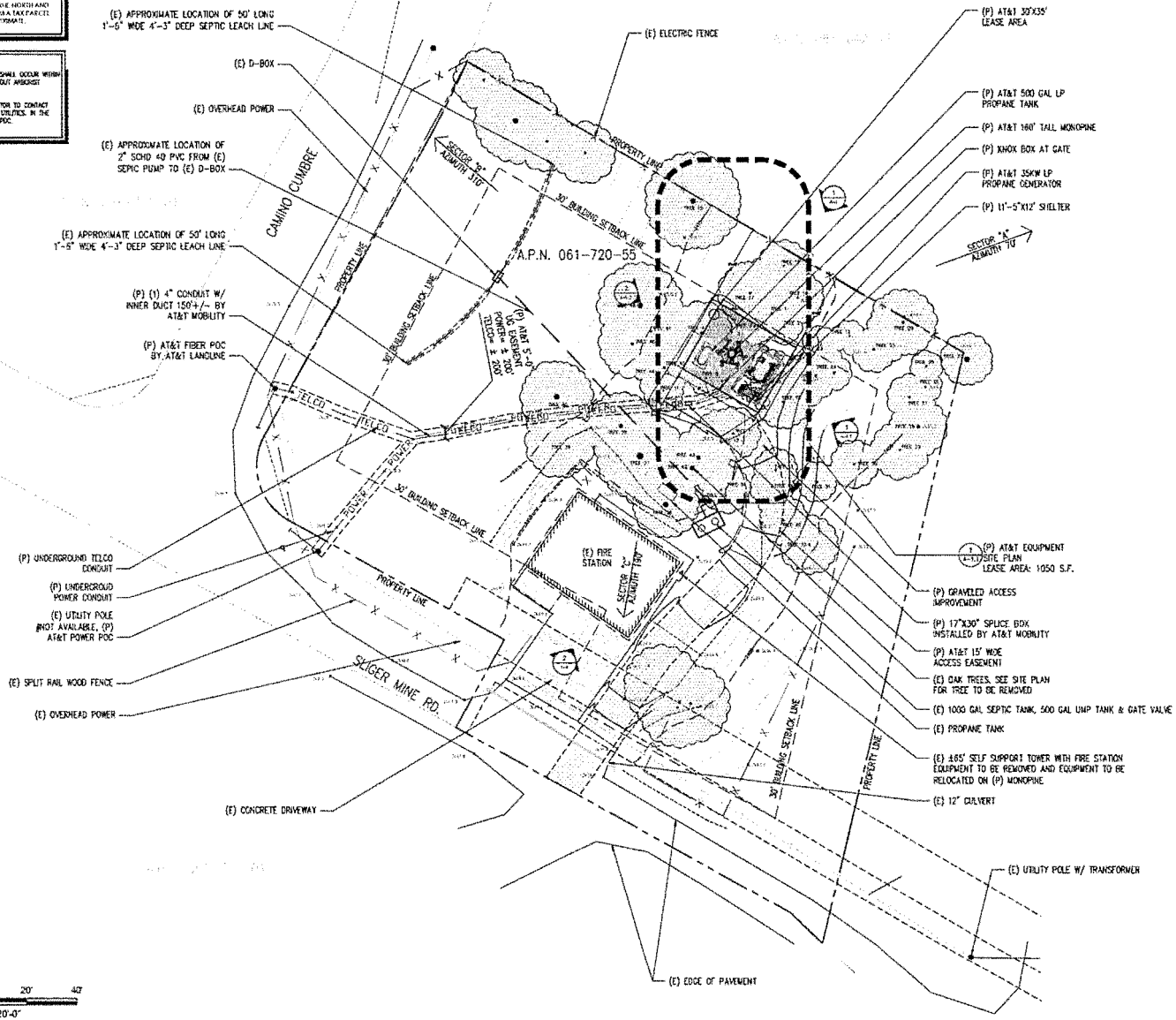
SHEET TITLE:
GRADING PLAN AND DETAILS

SHEET NUMBER:
C-2.1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, DIMENSIONS OF THE MONOPINE AND SHELTER BUILDINGS HAVE BEEN OBTAINED FROM A TRACK PLOT. MAP AND LAYOUTING DIMENSIONS ARE APPROXIMATE.

- NOTES:**
1. NO DRIVING OR MINOR CONSTRUCTION SHALL OCCUR WITHIN STOP LINES OF THESE THAT ARE TO REMAIN WITHOUT AGENCIES' APPROVAL.
 2. PRIOR TO CONSTRUCTION GENERAL CONTRACTOR TO CONTACT SHELTER TO MARK OUT EXISTING UNDERGROUND UTILITIES IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT POC.



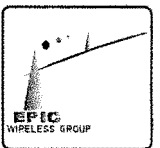
1 OVERALL SITE PLAN
1"=20'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:
BUFFALO HILL
2055 SLIGER MINE RD.
GREENWOOD, CA 95635

PREPARED FOR

2000 Camino Ramon, #2850 N.
San Ramon, California 94583



AT&T SITE NO: C1102069
PROJECT NO: 13787697
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
1	10/10/06	ISSUED
2	10/20/06	REVISION
3	10/20/06	REVISION
4	11/15/06	REVISION
5	11/15/06	REVISION
6	11/15/06	REVISION
7	11/15/06	REVISION
8	11/15/06	REVISION
9	11/15/06	REVISION
10	11/15/06	REVISION

License:

E.P.C. 42524848 FOR CIVIL ENGINEER
BEFORE QUALIFIED FOR PROFESSIONAL
ENGINEERING UNDER THE ENGINEERING
PROFESSIONAL QUALIFICATION ACT
REGISTRATION BOARD FOR PROFESSIONAL
ENGINEERS

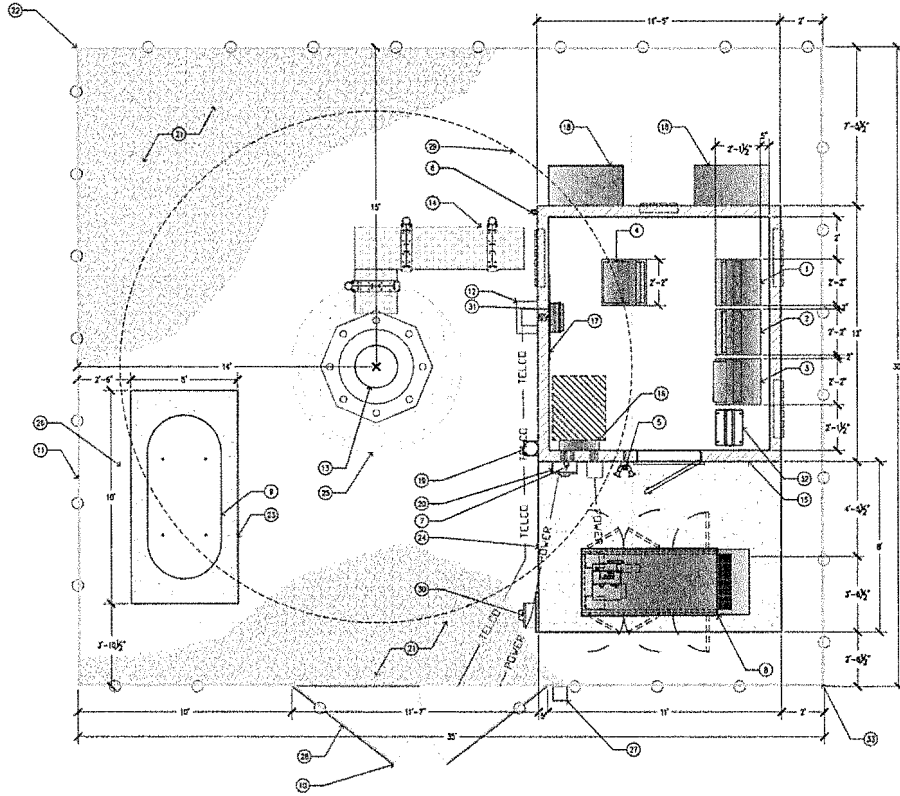
Engineer:
**ADAPTIVE RE-USE
ENGINEERING**
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214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craig@horner-engineering.com

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

KEYNOTES

- 1) 2" W. IRON #1
- 2) 2" W. IRON #3
- 3) POWER PLANT RACK #1 (2) STRIP OF BRIDGE
- 4) 2" W. IRON #3
- 5) UNGRADED GRADE TO 10'0" WITH SECTION UNDER THE AUTOMATIC MASTERY TRACK
- 6) 2" W. IRON #3
- 7) CHANNEL ROOFWORK SURFACE
- 8) 2" W. IRON #3
- 9) 2" W. IRON #3
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- 100) 2" W. IRON #3



1/2" = 1'-0"

1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
1/2" = 1'-0"

SITE TYPE: MONOPINE/SHELTER

WORK FOR:
BUFFALO HILL
2045 SLUGER MINE RD.
GREENWOOD, CA 95635

PREPARED FOR
at&t
2400 Camino Ramon, #400014
San Ramon, California 94583



AT&T SHEET NO: CIV02069
PROJECT NO: 13787997
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
1		REVISION
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98		REVISION
99		REVISION
100		REVISION

License:

I, CRAIG HOMER, AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA, LICENSE NO. 84674. I HEREBY CERTIFY THAT I AM THE DESIGNER OF THE ABOVE PROJECT AND THAT I AM A MEMBER IN GOOD STANDING OF THE PROFESSIONAL ENGINEERS SOCIETY OF CALIFORNIA.

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Homer, PE 84674
214-427-3164
3112 LEATHA WAY
SACRAMENTO, CA 95821
craig.homer@yahoo.com

SHEET TITLE:
EQUIPMENT AREA PLAN

SHEET NUMBER:
A-2

Site 3 -

Version Draft: December 6, 2016

Exhibit G

Approved drawing to mark top of structure



Existing

Photosimulation of the view looking northwest from Spanish Dry Diggins Road.

Buffalo Hill
 2065 Slinger Mine Rd
 Greenwood, CA 95635
 CVL02069




Proposed

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION

DATE December 14, 2017

BY Roger Hunt Lee
 EXECUTIVE SECRETARY



Existing

Photosimulation of the view looking north, approaching the fire station along Sliger Mine Road.

Buffalo Hill
2065 Sliger Mine Rd
Greenwood, CA 95625
CVL00069



Proposed

Antenna tower to mark top of the bluff

Existing

Photosimulation of the view looking northeast from Roquero Cerro Road.

Buffalo Hill
2065 Slinger Mine Rd
Greenwood, CA 95625
CVL00019



Proposed tower placement

Proposed

Aerial photograph showing the viewpoints for the photosimulations.

Buffalo Hill
2065 Sliger Mine Rd
Greenwood, CA 95635
CVL02069



DATE December 14, 2017

BY Roger Trout / dca
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Buffalo Hill	Site Structure Type: Monopine
Address: 2065 Sliger Mine Road Greenwood, California	Latitude: 38.934911 Longitude: -120.901613
Report Date: March 6, 2017	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Buffalo Hill site located at 2065 Sliger Mine Road, Greenwood, 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.

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

f=Frequency (MHz)

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

Site 3 - Exhibit I

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:

- Add twelve (12) new antennas
- Add nineteen (19) proposed RRUs

The antennas will be mounted on a new 160-foot monopine erected for this purpose with centerlines at 150 and 140 feet above ground level. The antennas will be oriented toward 70, 310 and 190 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 24,809 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 0.2485% of the FCC General Population limits (0.0497% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.2435% of the FCC General Population limits (0.0487% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the monopine, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.0185% of the FCC General Population limits (0.0037% of the FCC Occupational limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate that informs personnel entering the site of basic precautions to be followed when working around antennas. RF alerting signage (Caution) should be posted at the base of the proposed monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

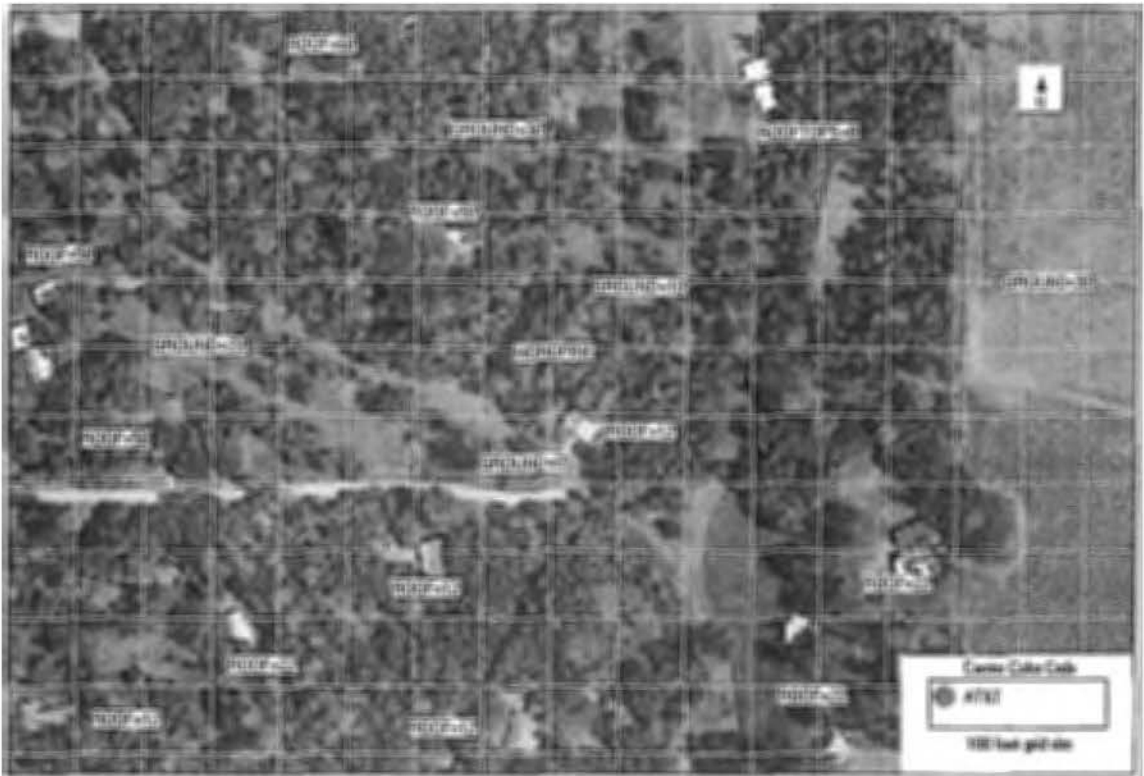


Figure 1: Antenna Locations

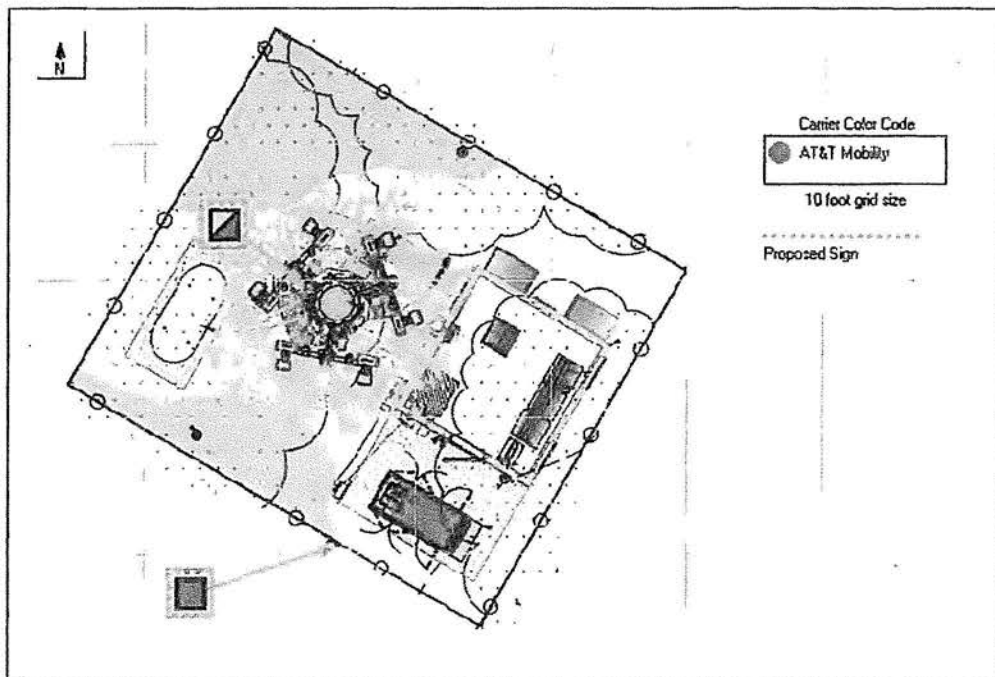


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility, predictive modeling and the mitigation action to be implemented by AT&T Mobility, the installation proposed by AT&T Mobility at 2065 Sliger Mine Road, Greenwood, 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 tower to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

I, Steven N. Baier-Anderson, 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.





at&t

SITE NUMBER: CVL03165

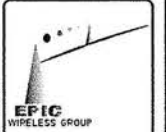
SITE NAME: OUTINGDALE

3672 FREEDOM RD.
PLACERVILLE, CA 95667
JURISDICTION: ELDORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

Issued For:
OUTINGDALE
3672 FREEDOM RD.
PLACERVILLE, CA 95667

PREPARED FOR
 at&t
2800 Camino Roman, #W530 N
San Ramon, California 94583



AT&T SITE NO: CVL03165
PROJECT NO: 13767601
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
0	12/14/17	ISSUED
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Location:

No. 84674
DATE December 14, 2017
BY Roger Trout/dre
EXECUTIVE SECRETARY

P.E.A. RESOLUTION 17-04 APPROVING THE PROPOSED MONOPINE/SHELTER AND ACCESS TO THE PROPERTY OF A BROADBAND PROVIDER AND POWER LINE TRANSMISSION DISALLOWED

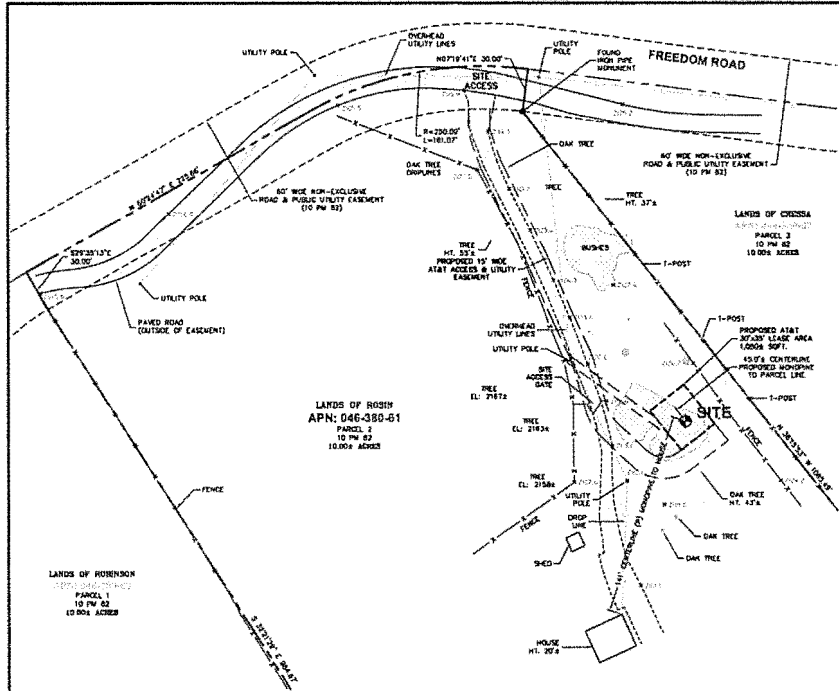
ENGINEER:
ADAPTIVE RE-USE ENGINEERING
Craig Homer, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craig@home@yahoo.com

SHEET TITLE:
TITLE SHEET

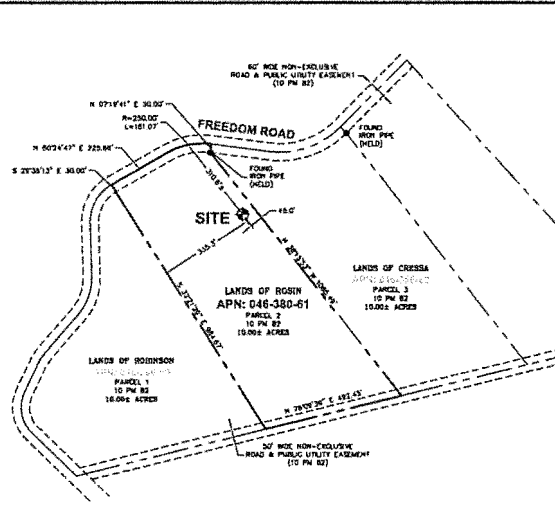
SHEET NUMBER:
T-1

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV																									
<p>NEW SITE UNMANNED TELECOMMUNICATIONS FACILITY.</p> <ol style="list-style-type: none"> BRING POWER / TELCO / FIBER TO SITE LOCATION 30X30 FENCE LEASE AREA INSTALL AT&T APPROVED PRE-FABRICATED EQUIPMENT SHELTER AND APPROVED MONOPINE EQUIPMENT ADD (1) MON UPS UNIT ADD 120'-0" MONOPINE ADD (12) ANTENNAS (6) PER ALPHA, BETA, GAMMA SPECTRUM ADD (20) PROPOSED BRUS AND (1) (FUTURE) BRUS ADD (4) SURGE SUPPRESSORS ADD (2) (FUTURE) 4' WOODENING DECKS ADD 4'-0" HIGH CHAIN LINK FENCE BY VINYL SLATS ADD SIGN UP PROHIBIT CONVICTIONS ADD 300 GAL LP PROpane STORAGE TANK 	<p>PROPERTY INFORMATION: SITE NAME: OUTINGDALE SITE NUMBER: CVL03165 SEARCH RING: OUTINGDALE F#J 13767601</p> <p>SITE ADDRESS: 3672 FREEDOM RD. PLACERVILLE, CA 95667</p> <p>A.P.N. NUMBER: 046-580-051</p> <p>CURRENT USE: RURAL HOMESITE SURROUNDINGS USE: SINGLE FAMILY RURAL RESIDENTIAL</p> <p>PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY</p> <p>JURISDICTION: ELDORADO COUNTY</p> <p>LATITUDE: N 38° 37' 25.41" LONGITUDE: 120° 43' 55.47" GROUND ELEVATION: 3222.3 FT. AMSL</p> <p>PROPERTY OWNER: ROBIN PHILIP JEFFERY & JOY KRISTINE 3672 FREEDOM RD, PLACERVILLE CA 95667</p> <p>POWER AGENCY: PG&E PG&E CORPORATION 1 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 PH: 1-800-743-5000</p> <p>TELEPHONE AGENCY: AT&T 525 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 PH: 1-800-310-2355</p> <p>RFDS DATED 11-22-2016, ISSUE PRELIMINARY REVISION 1.00.01</p>	<p>APPLICANT / LESSEE: AT&T 5001 CALIFORNIA PARKWAY SAN RAMON, CA 94583</p> <p>RF ENGINEER: AT&T CONTACT: MANUJANNA AVINID EMAIL: MANUJAV@ATT.COM PH: (916) 484-2124</p> <p>PROJECT MGR.: EPIC WIRELESS CONTACT: NICK DAGAS EMAIL: NICK.DAGAS@EPICWIRELESS.NET PH: (916) 920-1448</p> <p>SITE ACQUISITION: COMPANY: EPIC WIRELESS CONTACT: JARED KEARSELEY (ZONING MGR.) EMAIL: JARED.KEARSELEY@EPICWIRELESS.NET CELL: (916) 750-1226</p> <p>CONSTRUCTION MGR.: COMPANY: EPIC WIRELESS CONTACT: PETER MANAS EMAIL: PETER.MANAS@EPICWIRELESS.NET PH: (530) 383-5957</p> <p>ASE DESIGN GROUP: COMPANY: EPIC WIRELESS CONTACT: CRAIG HOMER PH: (530) 833-2763</p> <p>ARCHITECT / ENGINEER: ADAPTIVE RE-USE ENGINEERING CONTACT: CRAIG HOMER, PE #E474 EMAIL: CRAIGHOMER@YAHOO.COM PH: (214) 407-3184</p> <p>CIVIL VENDOR: VINCELUINS CN CONTACT: KEVIN AUEL EMAIL: KAU@VINCELUINS.COM PH: (916) 844-4802</p>	<p>T-1 TITLE SHEET GN-1 GENERAL NOTES C-1 SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY C-2 EROSION CONTROL NOTES C-2.1 GRADING PLAN & DETAILS A-1 OVERALL SITE PLAN - EXTERIOR EQUIPMENT SHELTER A-1.1 SITE PLAN - EXTERIOR EQUIPMENT SHELTER A-2 EQUIPMENT AREA PLAN - EXTERIOR EQUIPMENT SHELTER A-3 ANTENNA PLAN & DETAILS - MONOPINE A-4.1 PROPOSED BROADLEAF TOWER NORTH - SOUTH ELEVATION A-4.2 PROPOSED BROADLEAF TOWER WEST - EAST ELEVATION</p>																										
CODE COMPLIANCE	VICINITY MAP	DIRECTIONS FROM AT&T	<p style="text-align: center;">APPROVED EL DORADO COUNTY PLANNING COMMISSION DATE <u>December 14, 2017</u> BY <u>Roger Trout/dre</u> EXECUTIVE SECRETARY</p> <p style="text-align: center;"><i>Site 4 - Exhibit F</i></p>																										
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:</p> <ol style="list-style-type: none"> 2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R. (CALIFORNIA CODE OF REGULATIONS) 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (VOLUMES 1 & 2), (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R., (2014 NATIONAL ELECTRICAL CODE) 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R., (2015 UNIFORM MECHANICAL CODE) 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R., (2015 UNIFORM PLUMBING CODE) 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R. 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R., (CALGreen) 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. ANSI/AIA-TIA-222-G ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS. <p>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 110-203.4</p>		<p>DIRECTIONS FROM AT&T'S OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA</p> <ol style="list-style-type: none"> HEAD SOUTHWEST ON CAMINO RAMON TOWARD BISHOP DR 0.3 MI TURN RIGHT ONTO BULLHORN CANYON RD 0.4 MI USE THE RIGHT 2 LANES TO MERGE ONTO R-662 N VIA THE RAMP TO SACRAMENTO 0.3 MI FOLLOW I-680 N, I-80 E AND US-50 E TO MESSURIA FLAT RD IN EL DORADO COUNTY. THE EXIT 444 FROM US-50 E IS 47 MI (101 MI) MERGE ONTO I-680 N 10.8 MI KEEP LEFT TO STAY ON I-680 N 5.9 MI KEEP LEFT AT THE FORK TO STAY ON I-680 N 5.9 MI KEEP LEFT AT THE FORK TO CONTROL ON I-680 N 14.4 MI USE ANY LANE TO TAKE EXIT 714 TOWARD I-80 /SACRAMENTO 0.4 MI MERGE ONTO I-80 E 79.2 MI KEEP LEFT AT THE FORK TO STAY ON I-80 E 12.1 MI KEEP LEFT AT THE FORK TO CONTROL ON I-80E, I/US-50 /CAMPINA CITY FREEWAY, FOLLOW SIGNS FOR INTERSTATE 80 BUSINESS/SACRAMENTO/SOUTH LAKE TRAVEL 5.2 MI CONTROL ONTO US-50 E 38.2 MI TAKE EXIT 444 FOR MESSURIA FLAT RD 0.2 MI THE FLESHAM VALLEY RD, BUCKS OAK RD AND SAND RIDGE RD TO FREEDOM RD 27 MI (4.3 MI) USE THE RIGHT 2 LANES TO TURN RIGHT ONTO MESSURIA FLAT RD 1.7 MI TURN LEFT ONTO FLESHAM VALLEY RD 0.2 MI CONTINUE STRAIGHT TO STAY ON FLESHAM VALLEY RD 4.2 MI TURN RIGHT ONTO BUCKS OAK RD 4.3 MI TURN RIGHT ONTO SAND RIDGE RD 2.2 MI TURN LEFT ONTO OCEANVIEW LN 416 FT TURN RIGHT ONTO FREEDOM RD 0.7 MI <p>3672 FREEDOM ROAD PLACERVILLE, CA 95667</p>																											
OCCUPANCY AND CONSTRUCTION TYPE	SPECIAL INSPECTIONS	APPROVALS																											
OCCUPANCY: U (UNMANNED) CONSTRUCTION TYPE: V-9		<table border="1"> <thead> <tr> <th>APPROVED BY:</th> <th>DATE:</th> <th>DATE:</th> </tr> </thead> <tbody> <tr> <td>AT&T:</td> <td></td> <td></td> </tr> <tr> <td>VENDOR:</td> <td></td> <td></td> </tr> <tr> <td>R.F.:</td> <td></td> <td></td> </tr> <tr> <td>LEASING / LANDLORD:</td> <td></td> <td></td> </tr> <tr> <td>ZONING:</td> <td></td> <td></td> </tr> <tr> <td>CONSTRUCTION:</td> <td></td> <td></td> </tr> <tr> <td>POWER / TELCO:</td> <td></td> <td></td> </tr> <tr> <td>PG&E:</td> <td></td> <td></td> </tr> </tbody> </table>	APPROVED BY:	DATE:	DATE:	AT&T:			VENDOR:			R.F.:			LEASING / LANDLORD:			ZONING:			CONSTRUCTION:			POWER / TELCO:			PG&E:		
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GENERAL CONTRACTOR NOTES			<p>DO NOT SCALE DRAWINGS</p> <p>THESE DRAWINGS ARE FORWARDED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING CONDITIONS AND CONDITIONS ON THE SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.</p>																										

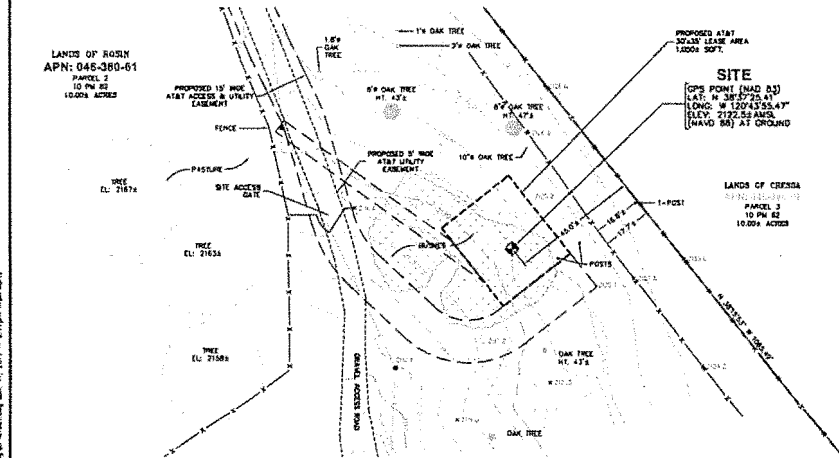




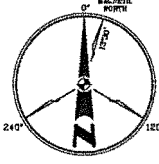
2 ENLARGED SITE PLAN
SCALE: 1" = 40'



1 SITE PLAN
SCALE: 1" = 200'



3 LEASE AREA PLAN
SCALE: 1" = 20'



SUPPORTING SURVEY (CONTACT WAS NOT REQUIRED) TO ESTABLISH THE POSITION OF THE NEAREST TREE NEAR THE SITE. THE SURVEY IS BASED ON THE DATA AND REPORT BY THE SURVEYOR. IT IS THE POLICY OF THE SURVEYOR TO PROVIDE THE LOCATION OF THE SUBJECT PROPERTY TO SURVEY FROM THE PLACEMENT POINTS AND TO BE ACCORDING TO THE SURVEY. THE SURVEYOR'S RESPONSIBILITY IS TO PROVIDE THE LOCATION OF THE SUBJECT PROPERTY AND ENTIRE BOUNDARY TO THE PROPERTY OWNER OR LEASEE AND TO BE SUBJECT TO VERIFICATION BY MEASURING THE POSITION OF THE BOUNDARY LINES.



PROPERTY INFORMATION
 Owner: AT&T INTEL & SVCS
 Address: 3121 INDESON ROAD
PLACERVILLE, CA 95667
 Site: CADISSO / DUNDON
 Address: 3121 INDESON ROAD
PLACERVILLE, CA 95667
 Assessor's Parcel Number: 046-380-02
 Height of Building/Tower: N/A
 Title Report:
 TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY, REPORT NO. 5059900-533057, DATED AS OF OCTOBER 18, 2016.

FEMA FLOOD ZONE DESIGNATION National Flood Insurance Program
 County: EL DORADO Effective Date: SEPTEMBER 26, 2009
 Community/Flood Number: 0007C-1026
 The Flood Zone Designation for this site as posted by state is:
 ZONE 2 (no flooding) - Area determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA
 Scale of Accuracy:
 Loc. N: 2022.11 (Comp. N: 2024.33)
 Datum Base: NAD 83 Equipment Used: Tapestry Navigator Receiver
 Site Ground Elevation: 2122.52 NAVD 83 (ELEVATED AT PROPOSED SITE LOCATION)
 Scale of Elevations:
 CLASS: PROVISIONAL SYSTEM (GPS)
 (SEE NOTE 1)
 Date of Bearings:
 CALIFORNIA COUNTY'S ZONE 4 (NAD83) PARCEL MAP FILED IN BOOK 10 AT PAGE 62 IN THE RECORDS OF EL DORADO COUNTY, AND 180 FOLIO RECORDS IN BOOK 10.
 Date of Field Survey: DECEMBER 8, 2016

NOTES
 1. This is not a boundary survey. This is a georeferenced horizontal map with property lines and easements using a graphic algorithm of vector triangulation gathered from georeferenced GPS data. Boundary measurements of corners, lines and easements are based solely on the data collected. The accuracy of the data is dependent on the accuracy of the GPS data and the accuracy of the georeferencing process. (Distance = 1:10,000).
 2. The location, height and elevation of all points were obtained from post-processed L1/L2 GPS data collected using a Trimble Geopoint receiver (GPS) and a Trimble HiPerNet Receiver. These specifications comply with the requirements of the National Standard for Geospatial Information (NSGI) and the National Standard for Geospatial Information (NSGI).
 3. Unless otherwise noted, no underground utility marking or utility company was required to be done using proper methods, and that no other lines or easements were shown on the property nor shown on the map - per CALIFORNIA P.U.C. 10.0.
 4. Any additional field notes provided by the Surveyor are located in the Surveyor's Report and are not to be included, distributed, used, copied, revised, altered or changed without the written consent of an Officer of Quiet River Land Services, Inc. Further, any and all data collected and used herein, "hereby" release of our survey or map is intended to be "AS IS" and "AS AVAILABLE".

SURVEYOR'S STATEMENT
 I, the undersigned, a Registered Professional Land Surveyor, warrant under the laws of the State of California as hereby stated that the information, measurements, reports, records, documents, maps, and drawings as shown herein are true and correct as they were obtained from the field and are not to be included, distributed, used, copied, revised, altered or changed without the written consent of an Officer of Quiet River Land Services, Inc. Further, any and all data collected and used herein, "hereby" release of our survey or map is intended to be "AS IS" and "AS AVAILABLE".

LEGEND

APN: ASSessor'S PARCEL NUMBER	ASPHALT
CP: CONTROL POINT	CONCRETE
EL: ELEVATION	CONTROL POINT
FM: FENCE	FOUND MONUMENT
FO: FOUND	CP: POINT
HT: HEIGHT	PARAPET/ROOF ELEVATIONS
MON: MONUMENT	SPOT ELEVATION
MON-1: MONUMENT TO MONUMENT	
P.O.B.: POINT OF BEGINNING	
P.O.C.: POINT OF COMMENCEMENT	
PP: POWER POLE	
TEMP: TEMPORARY BENCHMARK	

DATE: JANUARY 11, 2017
 DRAWN BY: MAS
 FILE NO.: EPIC1607

REVISIONS		
DATE	DESCRIPTION	INITIAL
12/14/16	REV ISSUE	MAS
1/9/17	ISSUE REVISE	NO
1/11/17	CLIENT REQUEST	NO

EXISTING SITE CONDITIONS

CVL03165
 OUNTINGDALE
 3672 FREEDOM ROAD
 PLACERVILLE, CA 95667

C1
 OF 1 SHEET

Site 4 - Exhibit G

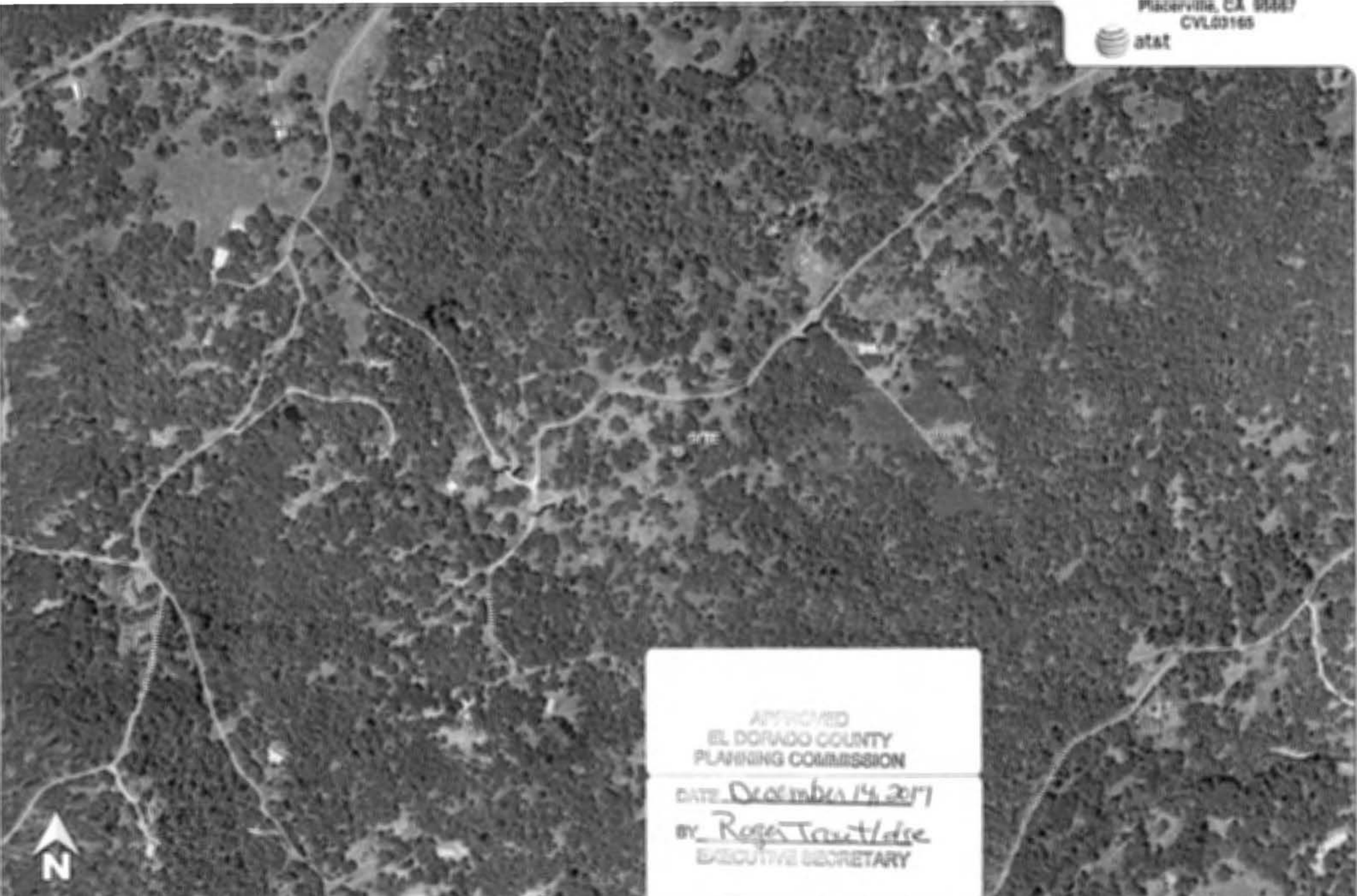
Aerial photograph showing the viewpoints for the photosimulations.

Outingdale

3672 Freedom Rd

Placerville, CA 95667

CVL00165



APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE December 14, 2017
BY Roger Trout/dse
EXECUTIVE SECRETARY



Photosimulation of the view looking northeast from Freedom Court.

Outingdale
3672 Freedom Rd
Placerville, CA 95667
CVL00165





Existing

Photosimulation of the view looking southwest from Freedom Road at Free Fox Lane.

Outingdale
3672 Freedom Rd
Placerville, CA 95667
CVL03165



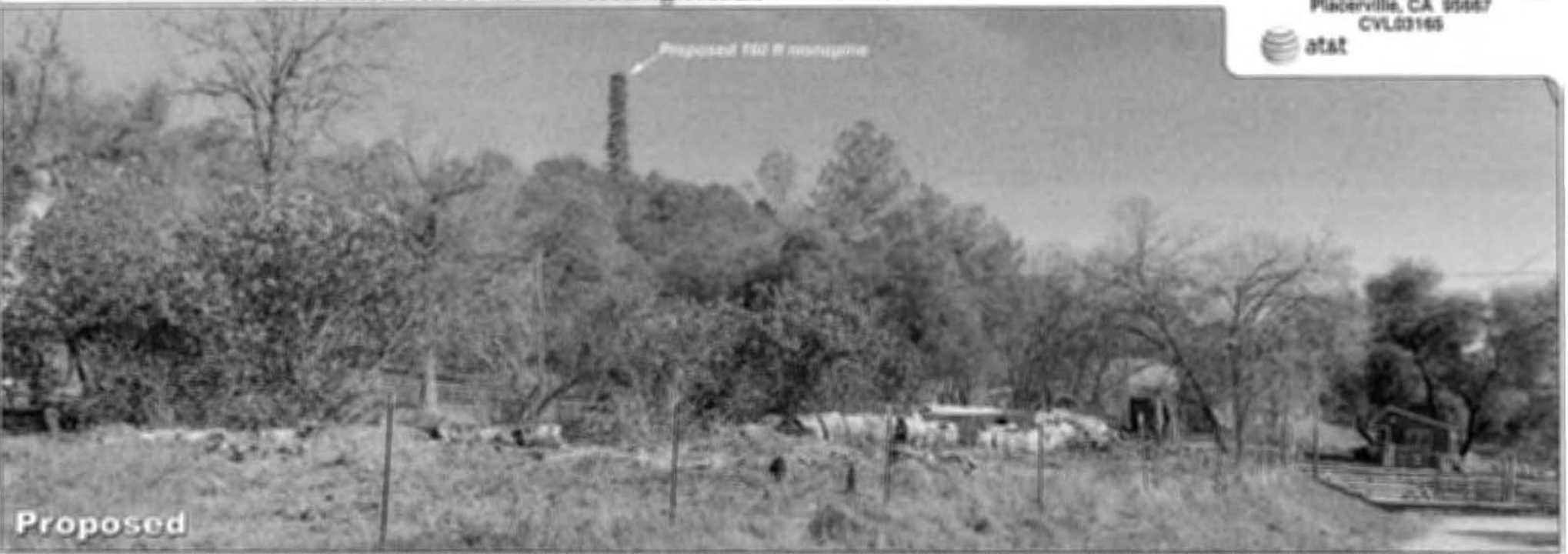
Proposed



Existing

Photosimulation of the view looking east from Freedom Road.

Outingdale
3672 Freedom Rd
Placerville, CA 95667
CVL00145



Proposed

DATE: December 14, 2017

BY: Roger Troutdale
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE... FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Outingdale	Site Structure Type: Monopine
Address: 3672 Freedom Road Placerville, California	Latitude: 38.62373
Report Date: March 3, 2017	Longitude: -120.73208
	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Outingdale site located at 3672 Freedom Road, Placerville, 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.

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

f=Frequency (MHz)

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

RECEIVED
PLANNING DEPARTMENT
2017 MAR 30 PM 3:56

Site - Exhibit I

Outingdale-New Build 030317

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) new antennas
- Install twenty (20) new remote radio heads

The antennas will be mounted on a proposed monopine erected for this purpose with centerlines at 140 and 150 feet above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 24,455 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 and 2100 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 0.3215% of the FCC General Population limits (0.0643% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.1515% of the FCC General Population limits (0.0303% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the monopine, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.0065% of the FCC General Population limits (0.0013% of the FCC Occupational limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate that informs personnel entering the site of basic precautions to be followed when working around antennas. RF alerting signage (Caution) should be posted at the base of the proposed monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

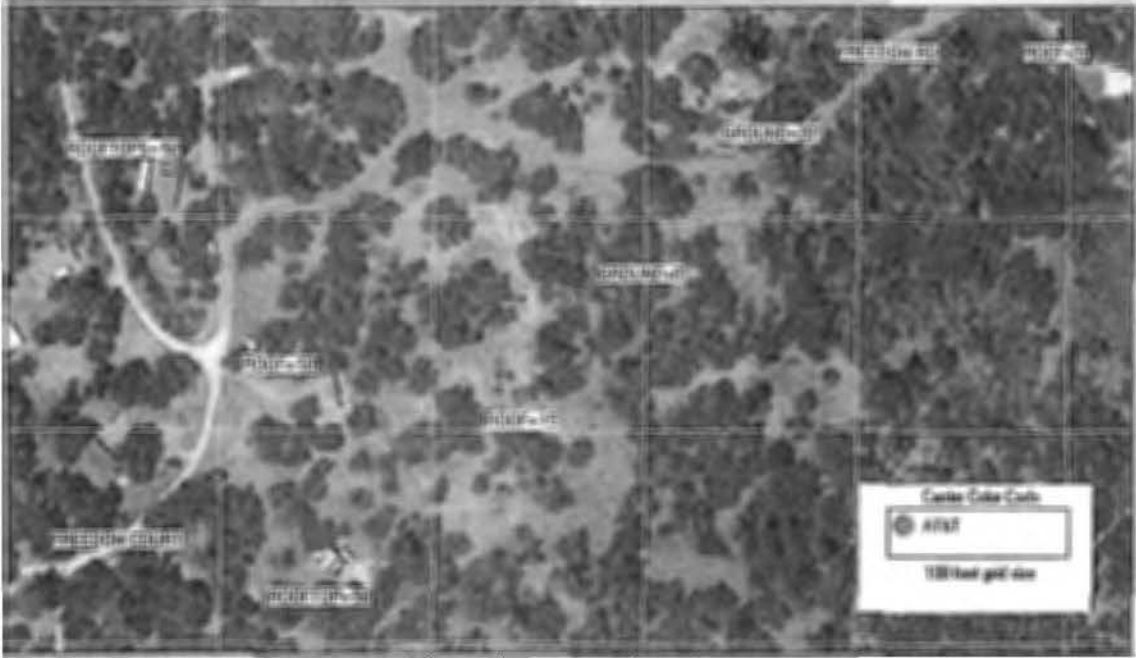


Figure 1: Antenna Locations

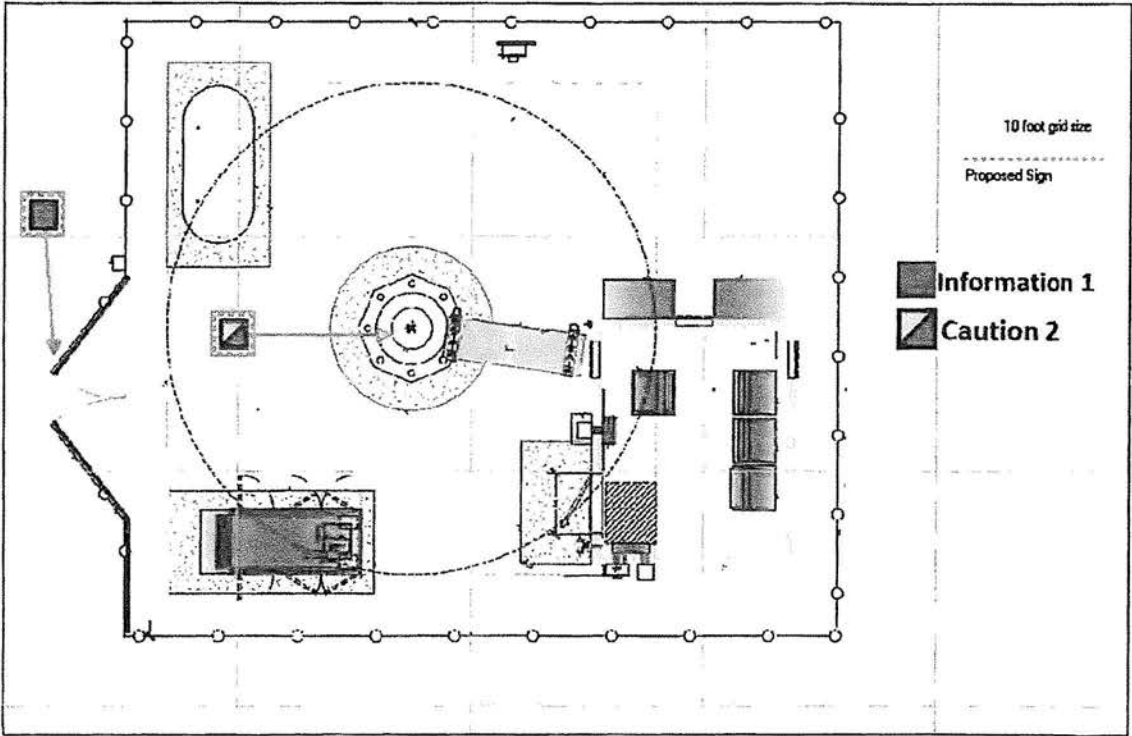


Figure 2: Mitigation Recommendations

Compliance Statement

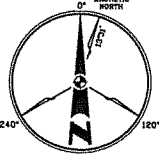
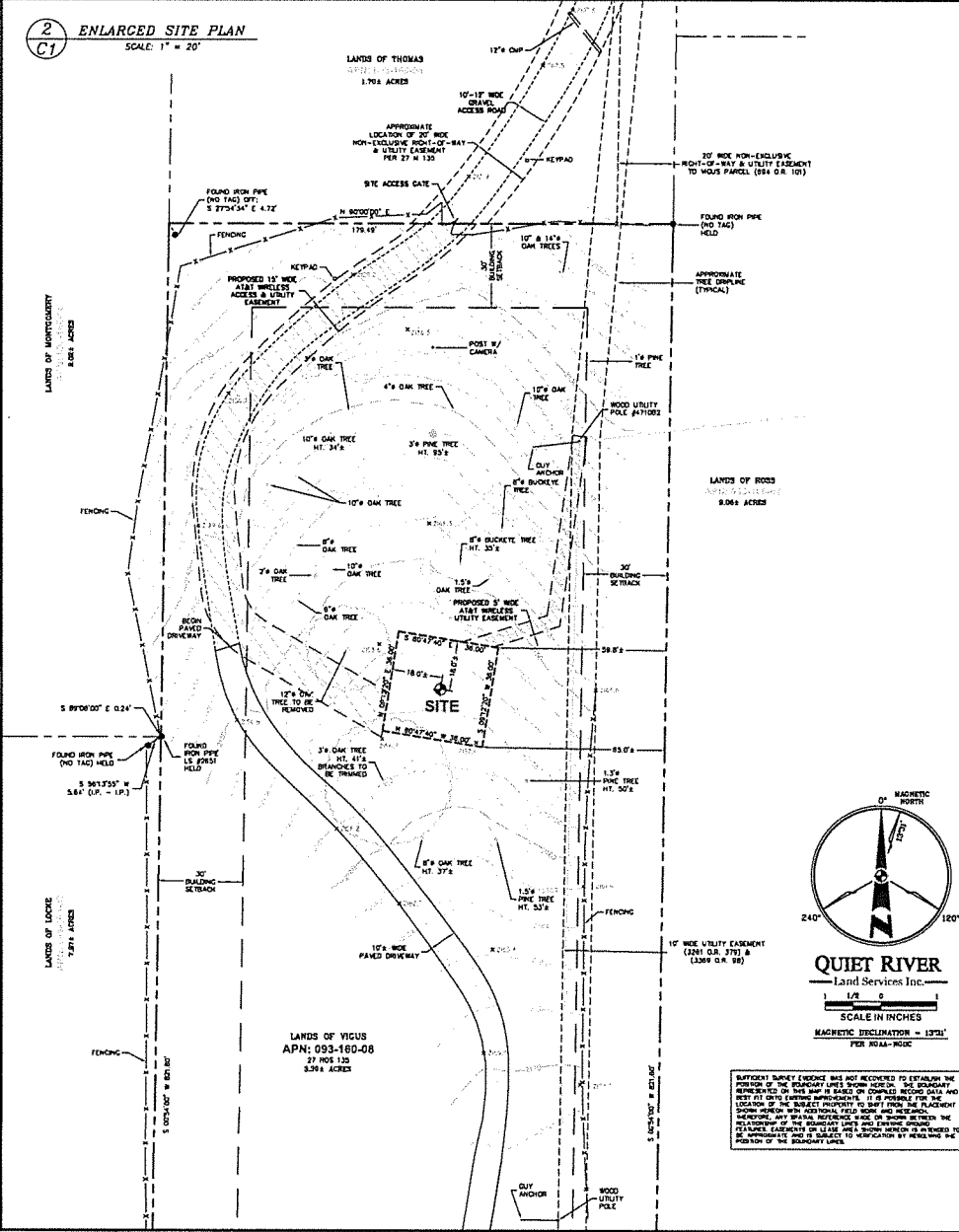
Based on information provided by AT&T Mobility, predictive modeling and the mitigation action to be implemented by AT&T Mobility, the installation proposed by AT&T Mobility at 3672 Freedom Road, Placerville, California will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the tower to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

I, Steven N. Baier-Anderson, 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.



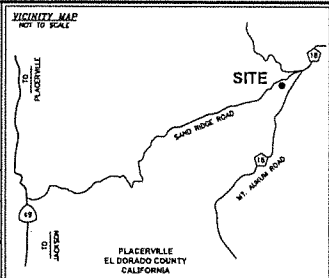
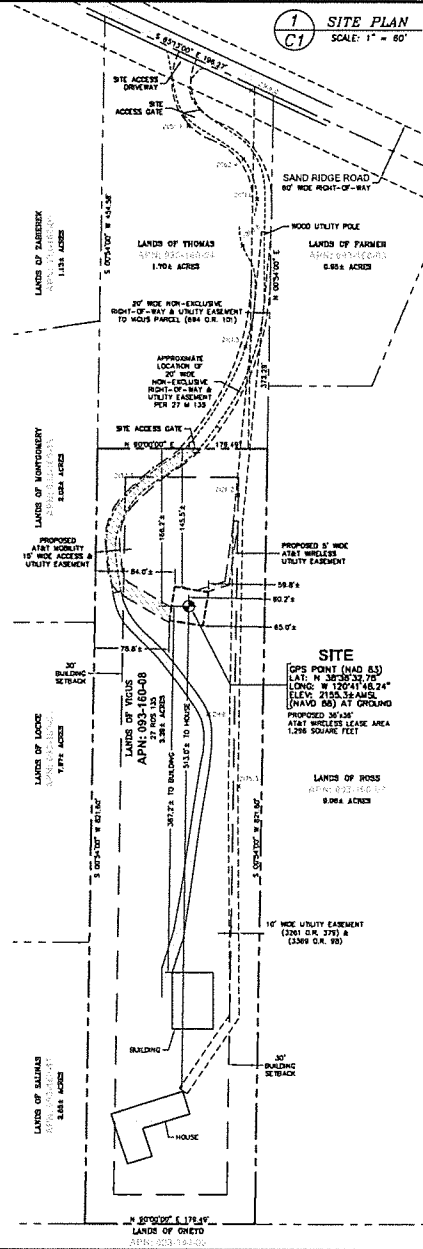
2 ENLARGED SITE PLAN
SCALE: 1" = 20'



QUIET RIVER
Land Services Inc.
SCALE IN INCHES
MAGNETIC DECLINATION = 13°21'
FOR 10/14/2018

SUFFICIENT BATTERY EVIDENCE WAS NOT RECEIVED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREIN. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON CORNER RECORDS ONLY AND DOES NOT OBTAIN EXISTING APPROPRIATE. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO DIFFER FROM THE PLACEMENT SHOWN HEREIN WITH ORIGINAL FIELD BOOK MEASUREMENTS. ANY SUCH DISCREPANCY WILL BE RESOLVED BY THE RELATIONSHIP OF THE RELAYING LINES AND EXISTING RECORDS. REFERENCE EXISTING OR LOST AND FOUND MONUMENTS IS ADVISED TO BE APPROPRIATE AND IS SUBJECT TO VERIFICATION BY REVEALING THE POSITION OF THE BOUNDARY LINES.

1 SITE PLAN
SCALE: 1" = 60'



PROPERTY INFORMATION
Owner: ROBERT & CHARLOTTE VOUGS
Address: 4712 SAND RIDGE ROAD
PLACERVILLE, CA 95667
Site: CACH33 - SOMERSET
Address: 4712 SAND RIDGE ROAD
PLACERVILLE, CA 95667
Assessor's Parcel Number: 093-160-08
Height of Building/Tower: N/A
Title Report: TITLE REPORT FOR THE PROPERTY PROVIDED BY NORTH AMERICAN TITLE COMPANY, REPORT NO. SDORADO-3100-31700A, DATED AS OF OCTOBER 10, 2018.
Legal Description: PROPERTY SITUATED IN THE CITY OF PLACERVILLE, COUNTY OF EL DORADO, STATE OF CALIFORNIA.

FEMA FLOOD ZONE DESIGNATION National Flood Insurance Program
County: EL DORADO Effective Date: SEPTEMBER 26, 2008
Community-Flood Number: 50073-0004-E
The Flood Zone Designation for this site as ported by scale is:
ZONE X (no shading) - Area determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA
MSL AS datum
1st: 2018/11/14 by E. J. [unclear]
Return Scale: 240:1. Equipment Used: Topcon Hydrolic Receiver. (See Note 2)
Site Ground Elevation: 2152.34 MSL. (RANGE) PROPOSED SITE LOCATION
Grade of Elevation: GLOBAL POSITIONING SYSTEM (GPS)
Date of Field Survey: NOVEMBER 10, 2018.

NOTES
1. This is not a boundary survey. This is a conceptual site plan with property lines and easements being a graphic depiction of various information gathered from property records, historical information of records, maps and available information. It does not constitute a boundary survey. The property monuments were not. The site location was performed by Global River Land Services, Inc.
2. The latitude, longitude and elevation herein were derived from post-processed L1/L2 real time kinematic (RTK) Global Positioning System (GPS) data as shown on the map. The accuracy of the information, measurements, elevations, survey results and other data of public record and data contained in this report, as well as the information, measurements, elevations and other data contained in this report, is not guaranteed. Furthermore, the liability and complete responsibility shall remain with the client and not the surveyor. The surveyor's liability shall not be limited by the amount of the fee charged for the survey.
3. Any electronic digital maps created by Global River Land Services, Inc. are not intended to be used as a substitute for a printed map. The information, measurements, elevations, survey results and other data of public record and data contained in this report, as well as the information, measurements, elevations and other data contained in this report, is not guaranteed. Furthermore, the liability and complete responsibility shall remain with the client and not the surveyor. The surveyor's liability shall not be limited by the amount of the fee charged for the survey.

SURVEYOR'S STATEMENT
I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California, do hereby certify that the information, measurements, elevations, survey results and other data of public record and data contained in this report, as well as the information, measurements, elevations and other data contained in this report, is not guaranteed. Furthermore, the liability and complete responsibility shall remain with the client and not the surveyor. The surveyor's liability shall not be limited by the amount of the fee charged for the survey.

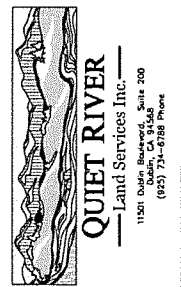
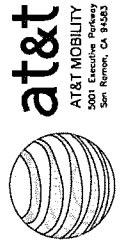
LEGEND

APN	ADJACENT'S PARCEL NUMBER	ASPHALT
CP	CONTROL POINT	CONCRETE
EL	ELEVATION	CONTROL POINT
FN	FIRE HYDRANT	FOUND MONUMENT
FOUN	FOUND	FOUND MONUMENT
HT	HEIGHT	GPS POINT
MON	MONUMENT	PARAMETER/ELEVATIONS
MON (M)	MONUMENT TO MONUMENT	SPOT ELEVATION
P.B.E.	POINT OF BEGINNING	TEMPORARY BENCHMARK
P.C.E.	POINT OF COMMENCEMENT	
PP	POWER POLE	
(TYP.)	TYPICAL	

DATE: MARCH 27, 2017
DRAWN BY: MAS
FILE NO.: EPIC1604

REVISIONS

DATE	DESCRIPTION	INITIAL
11/16/2018	REV FILE	MAS
11/22/18	ISSUE COMPLETE	MAS
1/26/17	CLIENT REVISIONS	RO
2/27/17	CLIENT REVISIONS	RO
2/27/17	CLIENT REVISIONS	RO



EXISTING SITE CONDITIONS

CVL03423
SOMERSET
4712 SAND RIDGE ROAD
PLACERVILLE, CA 95667
C1
OF 1 SHEET

GENERAL CONSTRUCTION NOTES:

- PLANS ARE INTENDED TO BE SUPPLEMENTARY OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPROPRIANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-7600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CODE/AGENCY REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEVATIONS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DERIVED ON THE PLOT SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
- THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- DO NOT EXCAVATE OR DISTURB BENEATH THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLUTTED 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 NATURE OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR CONFLICTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION. NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
- ANY TRAIL AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLOTTED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
- ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
- INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE ASH 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-B, STRUCTURAL STANDARDS 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 (1996) RECOMMENDED PRACTICE FOR FORMING AND CIRCUITING OF ELECTRICAL EQUIPMENT
- IEEE 522-61, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "1" AND "2" THIS SYSTEM (LPOURNA))
- TIA 607 COMMERCIAL BUILDING DRAINAGE AND SEWERING REQUIREMENTS FOR TELECOMMUNICATIONS TELEPHONE OR-FS NETWORK EQUIPMENT-BUILDING SYSTEM (NESS), PHYSICAL PROTECTION
- TELEPHONE OR-FS CENTRAL OFFICE POWER WIRING
- TELEPHONE OR-1274 GENERAL INSTALLATION REQUIREMENTS
- TELEPHONE OR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL, A 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

AS	ANCHOR BOLT	HT	HOT
AW	WIRE	IG	INSULATED COPPER GROUND BUS
ACA	ACRYLIC	IN	INCHES
ADD	ADDITIONAL	INT	INTERIOR
A.F.F.	ADJACENT FLOOR	IR	IRON
A.F.C.	ADJACENT GRADE	LAG	LAG BOLTS
ALUM	ALUMINUM	LT	LEADER TIE (TWO)
AL	ALTERNATE	LT	LONGITUDINAL
AN	ANTENNA	M.S.	MASONRY
APPRX	APPROXIMATELY	M.S.	MASONRY
ARCH	ARCHITECTURAL	M.B.	MACHINE BOLT
ARC	ARCHITECTURAL	MECH	METALWORK
BLDG	BUILDING	MFR	MANUFACTURER
BLK	BLOCK	MK	MIRAC
BLDG	BLOCKING	MSC	MISCELLANEOUS
BR	BRAZING	MT	METAL
B.R.	BROWNIUM NAILING	NO	NO
BR	BRAZED COPPER WIRE	NO (F)	NUMBER
B.U.F.	BOTTOM OF FOOTING	NS	NOT TO SCALE
B.U.	BACK-UP CABINET	O.C.	ON CENTER
CB	CABINET	OSB	OSB SHEET
CALL	CALL OUT	P	PROJECTED
CALL (U)	CALL OUT (U)	P/C	PRECAST CONCRETE
CALL (L)	CALL OUT (L)	PCS	PERSONAL COMMUNICATION SERVICES
CEILING	CEILING	PLY	PLYWOOD
CL	COLUMN	PP	POWER PROTECTION CABINET
CLL	COLUMN	PPC	PRIMARY RACK CABINET
CONC	CONCRETE	PPF	POURING PER SQUARE FOOT
CONC (C)	CONCRETE (C)	P.S.I.	POUNDS PER SQUARE INCH
CONC (M)	CONCRETE (M)	P.T.	PRESSURE TREATED
CONC (U)	CONCRETE (U)	QTY	QUANTITY
CONC (W)	CONCRETE (W)	QTY (R)	QUANTITY (R)
CONC (X)	CONCRETE (X)	REF	REFERENCE
CONC (Y)	CONCRETE (Y)	REIN	REINFORCEMENT
CONC (Z)	CONCRETE (Z)	REIN (F)	REINFORCEMENT (F)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
CONC (B)	CONCRETE (B)	REIN (S)	REINFORCEMENT (S)
CONC (C)	CONCRETE (C)	REIN (T)	REINFORCEMENT (T)
CONC (D)	CONCRETE (D)	REIN (U)	REINFORCEMENT (U)
CONC (E)	CONCRETE (E)	REIN (V)	REINFORCEMENT (V)
CONC (F)	CONCRETE (F)	REIN (W)	REINFORCEMENT (W)
CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
CONC (H)	CONCRETE (H)	REIN (Y)	REINFORCEMENT (Y)
CONC (I)	CONCRETE (I)	REIN (Z)	REINFORCEMENT (Z)
CONC (J)	CONCRETE (J)	REIN (A)	REINFORCEMENT (A)
CONC (K)	CONCRETE (K)	REIN (B)	REINFORCEMENT (B)
CONC (L)	CONCRETE (L)	REIN (C)	REINFORCEMENT (C)
CONC (M)	CONCRETE (M)	REIN (D)	REINFORCEMENT (D)
CONC (N)	CONCRETE (N)	REIN (E)	REINFORCEMENT (E)
CONC (O)	CONCRETE (O)	REIN (F)	REINFORCEMENT (F)
CONC (P)	CONCRETE (P)	REIN (G)	REINFORCEMENT (G)
CONC (Q)	CONCRETE (Q)	REIN (H)	REINFORCEMENT (H)
CONC (R)	CONCRETE (R)	REIN (I)	REINFORCEMENT (I)
CONC (S)	CONCRETE (S)	REIN (J)	REINFORCEMENT (J)
CONC (T)	CONCRETE (T)	REIN (K)	REINFORCEMENT (K)
CONC (U)	CONCRETE (U)	REIN (L)	REINFORCEMENT (L)
CONC (V)	CONCRETE (V)	REIN (M)	REINFORCEMENT (M)
CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
CONC (X)	CONCRETE (X)	REIN (O)	REINFORCEMENT (O)
CONC (Y)	CONCRETE (Y)	REIN (P)	REINFORCEMENT (P)
CONC (Z)	CONCRETE (Z)	REIN (Q)	REINFORCEMENT (Q)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
CONC (B)	CONCRETE (B)	REIN (S)	REINFORCEMENT (S)
CONC (C)	CONCRETE (C)	REIN (T)	REINFORCEMENT (T)
CONC (D)	CONCRETE (D)	REIN (U)	REINFORCEMENT (U)
CONC (E)	CONCRETE (E)	REIN (V)	REINFORCEMENT (V)
CONC (F)	CONCRETE (F)	REIN (W)	REINFORCEMENT (W)
CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
CONC (H)	CONCRETE (H)	REIN (Y)	REINFORCEMENT (Y)
CONC (I)	CONCRETE (I)	REIN (Z)	REINFORCEMENT (Z)
CONC (J)	CONCRETE (J)	REIN (A)	REINFORCEMENT (A)
CONC (K)	CONCRETE (K)	REIN (B)	REINFORCEMENT (B)
CONC (L)	CONCRETE (L)	REIN (C)	REINFORCEMENT (C)
CONC (M)	CONCRETE (M)	REIN (D)	REINFORCEMENT (D)
CONC (N)	CONCRETE (N)	REIN (E)	REINFORCEMENT (E)
CONC (O)	CONCRETE (O)	REIN (F)	REINFORCEMENT (F)
CONC (P)	CONCRETE (P)	REIN (G)	REINFORCEMENT (G)
CONC (Q)	CONCRETE (Q)	REIN (H)	REINFORCEMENT (H)
CONC (R)	CONCRETE (R)	REIN (I)	REINFORCEMENT (I)
CONC (S)	CONCRETE (S)	REIN (J)	REINFORCEMENT (J)
CONC (T)	CONCRETE (T)	REIN (K)	REINFORCEMENT (K)
CONC (U)	CONCRETE (U)	REIN (L)	REINFORCEMENT (L)
CONC (V)	CONCRETE (V)	REIN (M)	REINFORCEMENT (M)
CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
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CONC (Y)	CONCRETE (Y)	REIN (P)	REINFORCEMENT (P)
CONC (Z)	CONCRETE (Z)	REIN (Q)	REINFORCEMENT (Q)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
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CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
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CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
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CONC (Z)	CONCRETE (Z)	REIN (Q)	REINFORCEMENT (Q)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
CONC (B)	CONCRETE (B)	REIN (S)	REINFORCEMENT (S)
CONC (C)	CONCRETE (C)	REIN (T)	REINFORCEMENT (T)
CONC (D)	CONCRETE (D)	REIN (U)	REINFORCEMENT (U)
CONC (E)	CONCRETE (E)	REIN (V)	REINFORCEMENT (V)
CONC (F)	CONCRETE (F)	REIN (W)	REINFORCEMENT (W)
CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
CONC (H)	CONCRETE (H)	REIN (Y)	REINFORCEMENT (Y)
CONC (I)	CONCRETE (I)	REIN (Z)	REINFORCEMENT (Z)
CONC (J)	CONCRETE (J)	REIN (A)	REINFORCEMENT (A)
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CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
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CONC (Y)	CONCRETE (Y)	REIN (P)	REINFORCEMENT (P)
CONC (Z)	CONCRETE (Z)	REIN (Q)	REINFORCEMENT (Q)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
CONC (B)	CONCRETE (B)	REIN (S)	REINFORCEMENT (S)
CONC (C)	CONCRETE (C)	REIN (T)	REINFORCEMENT (T)
CONC (D)	CONCRETE (D)	REIN (U)	REINFORCEMENT (U)
CONC (E)	CONCRETE (E)	REIN (V)	REINFORCEMENT (V)
CONC (F)	CONCRETE (F)	REIN (W)	REINFORCEMENT (W)
CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
CONC (H)	CONCRETE (H)	REIN (Y)	REINFORCEMENT (Y)
CONC (I)	CONCRETE (I)	REIN (Z)	REINFORCEMENT (Z)
CONC (J)	CONCRETE (J)	REIN (A)	REINFORCEMENT (A)
CONC (K)	CONCRETE (K)	REIN (B)	REINFORCEMENT (B)
CONC (L)	CONCRETE (L)	REIN (C)	REINFORCEMENT (C)
CONC (M)	CONCRETE (M)	REIN (D)	REINFORCEMENT (D)
CONC (N)	CONCRETE (N)	REIN (E)	REINFORCEMENT (E)
CONC (O)	CONCRETE (O)	REIN (F)	REINFORCEMENT (F)
CONC (P)	CONCRETE (P)	REIN (G)	REINFORCEMENT (G)
CONC (Q)	CONCRETE (Q)	REIN (H)	REINFORCEMENT (H)
CONC (R)	CONCRETE (R)	REIN (I)	REINFORCEMENT (I)
CONC (S)	CONCRETE (S)	REIN (J)	REINFORCEMENT (J)
CONC (T)	CONCRETE (T)	REIN (K)	REINFORCEMENT (K)
CONC (U)	CONCRETE (U)	REIN (L)	REINFORCEMENT (L)
CONC (V)	CONCRETE (V)	REIN (M)	REINFORCEMENT (M)
CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
CONC (X)	CONCRETE (X)	REIN (O)	REINFORCEMENT (O)
CONC (Y)	CONCRETE (Y)	REIN (P)	REINFORCEMENT (P)
CONC (Z)	CONCRETE (Z)	REIN (Q)	REINFORCEMENT (Q)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
CONC (B)	CONCRETE (B)	REIN (S)	REINFORCEMENT (S)
CONC (C)	CONCRETE (C)	REIN (T)	REINFORCEMENT (T)
CONC (D)	CONCRETE (D)	REIN (U)	REINFORCEMENT (U)
CONC (E)	CONCRETE (E)	REIN (V)	REINFORCEMENT (V)
CONC (F)	CONCRETE (F)	REIN (W)	REINFORCEMENT (W)
CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
CONC (H)	CONCRETE (H)	REIN (Y)	REINFORCEMENT (Y)
CONC (I)	CONCRETE (I)	REIN (Z)	REINFORCEMENT (Z)
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CONC (P)	CONCRETE (P)	REIN (G)	REINFORCEMENT (G)
CONC (Q)	CONCRETE (Q)	REIN (H)	REINFORCEMENT (H)
CONC (R)	CONCRETE (R)	REIN (I)	REINFORCEMENT (I)
CONC (S)	CONCRETE (S)	REIN (J)	REINFORCEMENT (J)
CONC (T)	CONCRETE (T)	REIN (K)	REINFORCEMENT (K)
CONC (U)	CONCRETE (U)	REIN (L)	REINFORCEMENT (L)
CONC (V)	CONCRETE (V)	REIN (M)	REINFORCEMENT (M)
CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
CONC (X)	CONCRETE (X)	REIN (O)	REINFORCEMENT (O)
CONC (Y)	CONCRETE (Y)	REIN (P)	REINFORCEMENT (P)
CONC (Z)	CONCRETE (Z)	REIN (Q)	REINFORCEMENT (Q)
CONC (A)	CONCRETE (A)	REIN (R)	REINFORCEMENT (R)
CONC (B)	CONCRETE (B)	REIN (S)	REINFORCEMENT (S)
CONC (C)	CONCRETE (C)	REIN (T)	REINFORCEMENT (T)
CONC (D)	CONCRETE (D)	REIN (U)	REINFORCEMENT (U)
CONC (E)	CONCRETE (E)	REIN (V)	REINFORCEMENT (V)
CONC (F)	CONCRETE (F)	REIN (W)	REINFORCEMENT (W)
CONC (G)	CONCRETE (G)	REIN (X)	REINFORCEMENT (X)
CONC (H)	CONCRETE (H)	REIN (Y)	REINFORCEMENT (Y)
CONC (I)	CONCRETE (I)	REIN (Z)	REINFORCEMENT (Z)
CONC (J)	CONCRETE (J)	REIN (A)	REINFORCEMENT (A)
CONC (K)	CONCRETE (K)	REIN (B)	REINFORCEMENT (B)
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CONC (M)	CONCRETE (M)	REIN (D)	REINFORCEMENT (D)
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CONC (Q)	CONCRETE (Q)	REIN (H)	REINFORCEMENT (H)
CONC (R)	CONCRETE (R)	REIN (I)	REINFORCEMENT (I)
CONC (S)	CONCRETE (S)	REIN (J)	REINFORCEMENT (J)
CONC (T)	CONCRETE (T)	REIN (K)	REINFORCEMENT (K)
CONC (U)	CONCRETE (U)	REIN (L)	REINFORCEMENT (L)
CONC (V)	CONCRETE (V)	REIN (M)	REINFORCEMENT (M)
CONC (W)	CONCRETE (W)	REIN (N)	REINFORCEMENT (N)
CONC (X)	CONCRETE (X)	REIN (O)	REINFORCEMENT (O)
CONC (Y)			

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 DUNES 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 ON-SITE 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 HAS REACHED ONE THIRD THE DEPTH OF THE BAG. REPAIR OR REPLACE INLET FILTER BAG AS SOON AS DAMAGE OCCURS.
FIBER ROLLS	SEE NOTE J 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 ON-SITE 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 WOULD 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 DETERMINED	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:

- REPAIR OR REPLACE SPILT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTAINERS.
- 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.
- 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.
- 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:

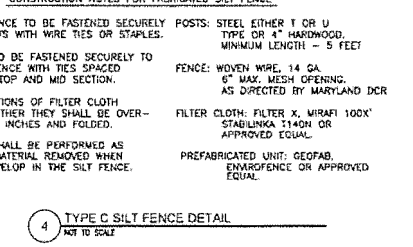
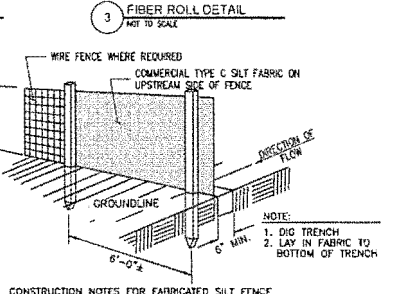
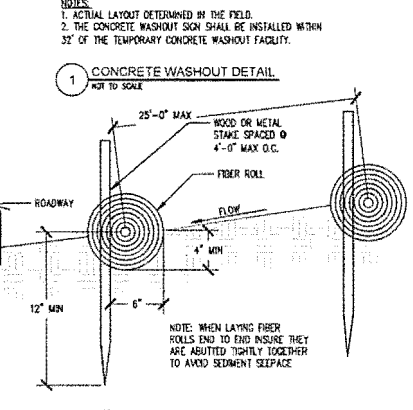
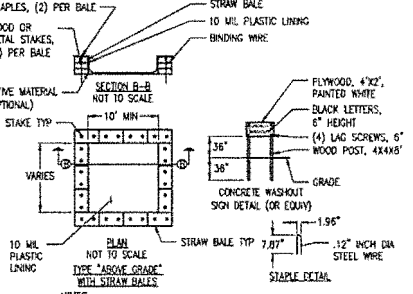
- THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BUMPS, AS WELL AS ANY CORRECTIVE CHANGES TO THE BUMPS OR EROSION AND SEDIMENT CONTROL PLAN.
- 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.
- THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION WHEN APPLICABLE FOR SITES NOT ACCESSIBLE BY CONVENTIONALLY PREPARED ACCESS. LOCATION OF THE ENTRANCE MAY BE REQUESTED 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 COMPLETED.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH MORNING DAY OR AS NECESSARY.
- 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.
- 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.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- 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.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

- 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.
- MATERIAL DELIVERY AND STORAGE:** PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PAALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY.
- 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 OUTLET. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
- 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.
- 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 ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.
- 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.

- USE "BUMPS" AT ALL PHASES OF CONSTRUCTION.
- 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 ACCESS AS WELL AS ANY AREA TRAVELLED EXTENDING 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.
- ANY AN ALL STORED MATERIALS INCLUDING BUT NOT LIMITED TO EXHAUSTED SOIL, IMPURED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
- REMOVE DRILL DEBRIS AND WHEELS 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 ON-SITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
- CONTRACTOR TO FIELD IDENTIFY "BMP" (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:

- CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE MONTHLY OF WORK. THIS INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS ON PRIVATE PROPERTY.
- CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/BERM FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY FROM CONSTRUCTION VEHICLES.
- 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.
- 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.
- CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.
- 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.
- CONTRACTOR SHALL PROVIDE DUST CONTROL TO PREVENT THE NUISANCE OF BLOWING DUST WITHOUT CAUSING SEDIMENT, DEBRIS, OR LIQUIDS TO ENTER THE CITY STORM DRAIN SYSTEM.
- CONTRACTOR SHALL INSTALL ANY OTHER BUMPS AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND ADHERENCE TO THE LOCAL REQUIREMENTS.



1300000.P01
SOMERSET
 4712 SAND RIDGE RD.
 PLACERVILLE, CA 95667

PREPARED FOR

 2600 Camino Ramon, #4040
 San Ramon, California 94583

EPIC
 WIRELESS GROUP

AT&T SITE NO: CV103423
 PROJECT NO: 13/87570
 DRAWN BY: CES
 CHECKED BY: CES

NO.	DATE	DESCRIPTION

LICENSE:

 CIVIL ENGINEER
 STATE OF CALIFORNIA

ENGINEER
ADAPTIVE RE-USE ENGINEERING
 Craig Homer, PE 84674
 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craigh@mrns@yahoo.com

SHEET TITLE:
EROSION CONTROL NOTES

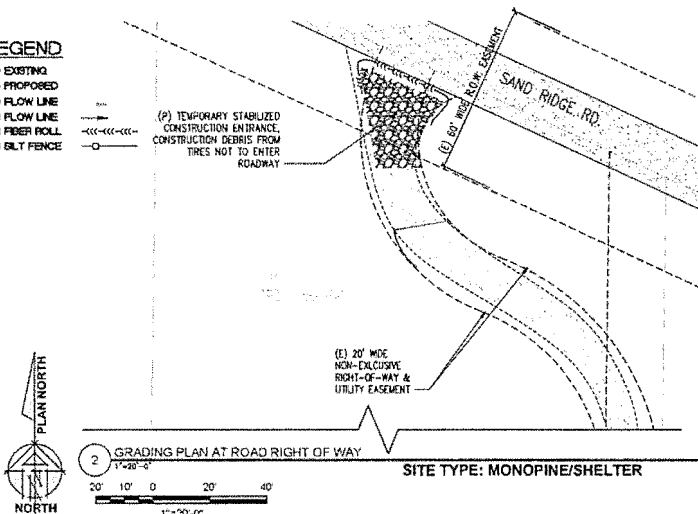
SHEET NUMBER:
C-2

**CONSTRUCTION EROSION/
SEDIMENTATION CONTROL
PLAN NOTES:**

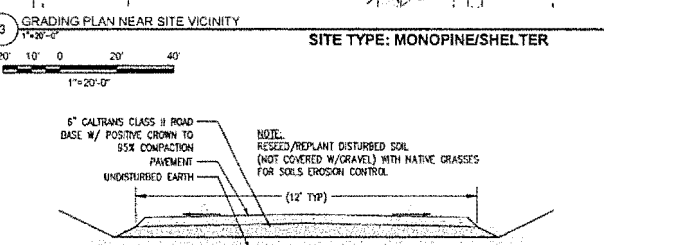
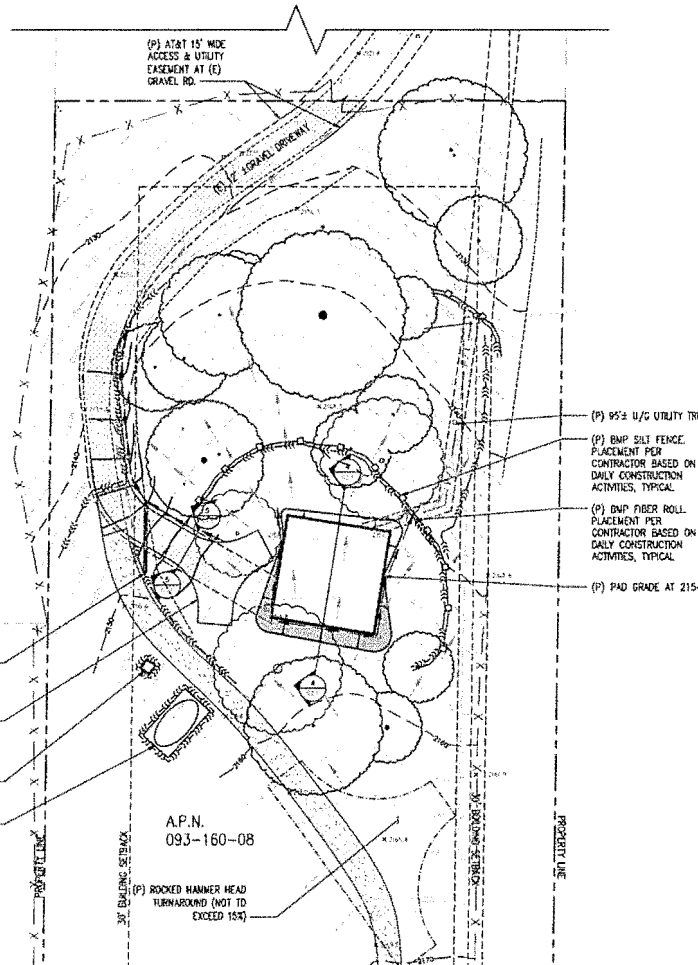
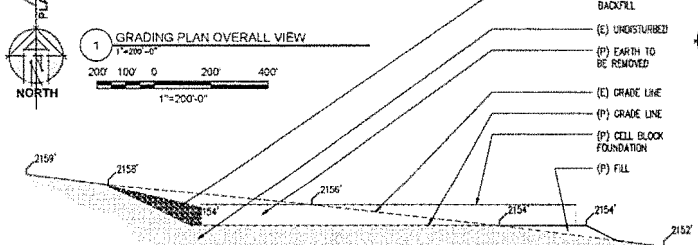
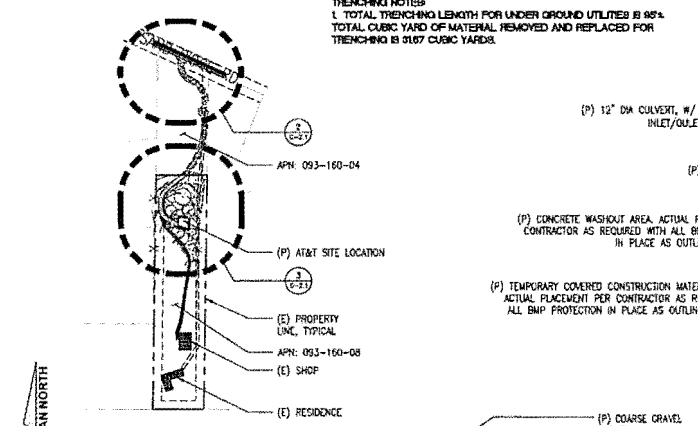
- USE "BMP'S" AT ALL PHASES OF CONSTRUCTION
- GRAVEL BAGS WITH FIBER ROLLS AND SILT BARRIER AS HEEDED AND/OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELLED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAY. 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.
- 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.
- 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.
- 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.
- INSTALL SEDIMENT LOGS AROUND CONSTRUCTION AREA TO KEEP DEBRIS ON PROPERTY.
- PLACE GRAVEL BAGS AROUND NEARBY, DOWN STREAM STORM INLET(S) DURING CONSTRUCTION.
- REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLIPPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (C) CONTOURS.
- 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.
- 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 DEPOSITED AT AN APPROPRIATE LOCATION.
- FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.
- ON-SITE WATER TRUCK MAY BE REQUIRED FOR DUST MITIGATION.

LEGEND

- (E) EXISTING
- (D) PROPOSED
- (F) FLOW LINE
- (G) FIBER ROLL
- (H) SILT FENCE



TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 85'.
TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 9167 CUBIC YARDS.



PROJECT NO: 15787570

SOMERSET

4712 SAND RIDGE RD.
PLACERVILLE, CA 95667

PREPARED FOR

at&t

2000 Copano Way, #1500
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: CVC03425
PROJECT NO: 15787570
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	BY	REVISION
1	02/11/2016	DESIGN	ISSUE FOR PERMITTING
2	02/11/2016	DESIGN	ISSUE FOR PERMITTING
3	02/11/2016	DESIGN	ISSUE FOR PERMITTING
4	02/11/2016	DESIGN	ISSUE FOR PERMITTING
5	02/11/2016	DESIGN	ISSUE FOR PERMITTING
6	02/11/2016	DESIGN	ISSUE FOR PERMITTING
7	02/11/2016	DESIGN	ISSUE FOR PERMITTING
8	02/11/2016	DESIGN	ISSUE FOR PERMITTING
9	02/11/2016	DESIGN	ISSUE FOR PERMITTING
10	02/11/2016	DESIGN	ISSUE FOR PERMITTING
11	02/11/2016	DESIGN	ISSUE FOR PERMITTING
12	02/11/2016	DESIGN	ISSUE FOR PERMITTING
13	02/11/2016	DESIGN	ISSUE FOR PERMITTING
14	02/11/2016	DESIGN	ISSUE FOR PERMITTING
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17	02/11/2016	DESIGN	ISSUE FOR PERMITTING
18	02/11/2016	DESIGN	ISSUE FOR PERMITTING
19	02/11/2016	DESIGN	ISSUE FOR PERMITTING
20	02/11/2016	DESIGN	ISSUE FOR PERMITTING

LICENSOR

PROFESSIONAL ENGINEER
CRAIG HOMER, P.E.
No. 04674
STATE OF CALIFORNIA

ENGINEER

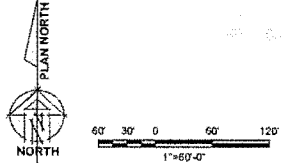
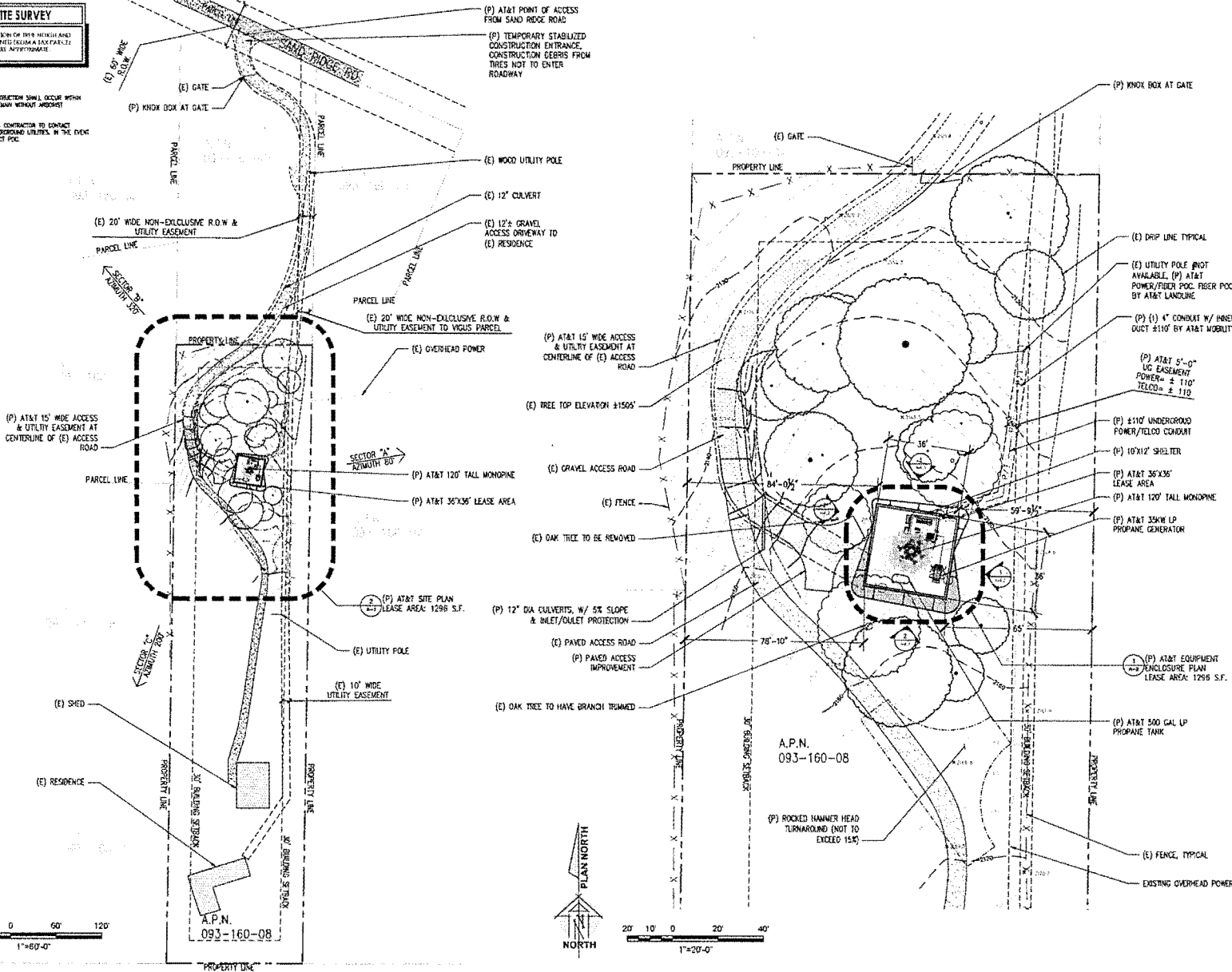
**ADAPTIVE RE-USE
ENGINEERING**
Craig Homer, PE 04674
214-403-5184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craig@homer-engineering.com

SHEET TITLE:
**GRADING PLAN
AND DETAILS**

SHEET NUMBER:
C-2.1

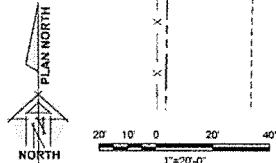
THIS IS NOT A SITE SURVEY
 ALL EXISTING UTILITIES, LOCATIONS OF TREE TRUNKS AND
 SIZES AND HEIGHTS HAVE BEEN OBTAINED FROM AVAILABLE
 MAPS AND FIELD DRAWINGS AND ARE APPROXIMATE.

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



1 OVERALL SITE PLAN
 1"=60'-0"

SITE TYPE: MONOPINE/SHELTER



2 SITE PLAN
 1"=20'-0"

SITE TYPE: MONOPINE/SHELTER

Prepared For:
SOMERSET
 4712 SAND RIDGE RD.
 PLACERVILLE, CA 95667

PREPARED FOR

 2600 Camino Ramon, #4500
 San Ramon, California 94583

WIRELESS GROUP

AT&T DRE NO: CVL03423
 PROJECT NO: 13787570
 DRAWN BY: CES
 CHECKED BY: CES

NO.	DATE	DESCRIPTION
0	11/17/17	201805
1	11/17/17	201805
2	11/17/17	201805
3	11/17/17	201805

Licensee

 ENGINEER

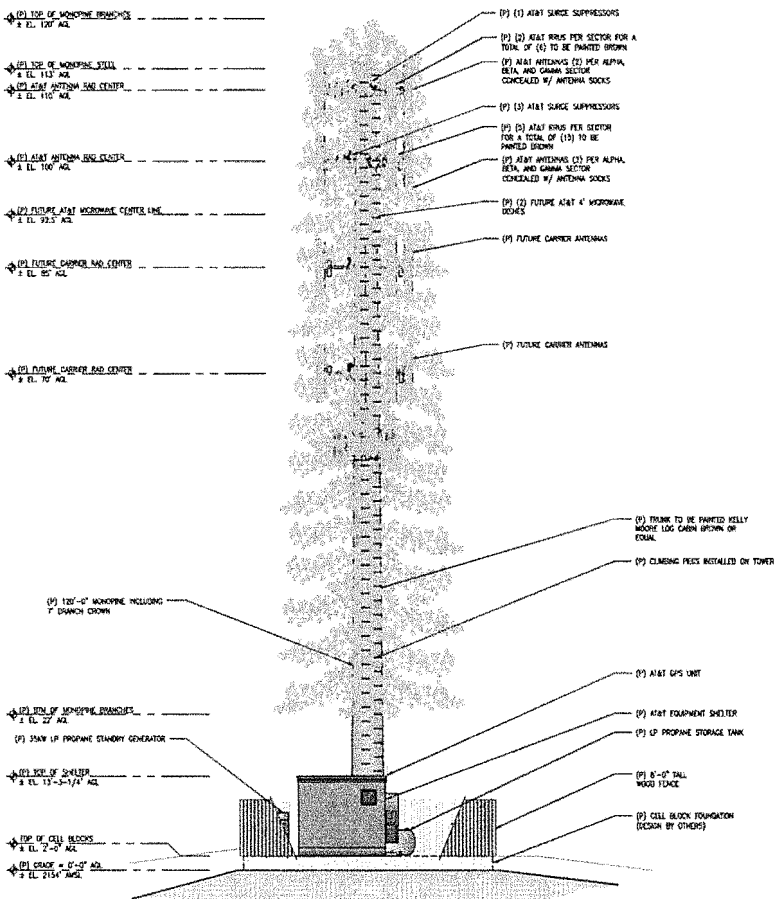
FOR A LISTING OF QUALIFIED AND
 LICENSED ENGINEERS AND ARCHITECTS,
 VISIT THE WEBSITE: WWW.CSCEB.CA.GOV
 PROFESSIONAL ENGINEER TO ADAPT THIS
 DRAWING TO THE SPECIFIC PROJECT.

Engineer:
**ADAPTIVE RE-USE
 ENGINEERING**
 Craig Homer, FE#64674
 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craighomer@yahco.com

SHEET TITLE:
**OVERALL SITE PLAN
 & SITE PLAN**

SHEET NUMBER:
A-1

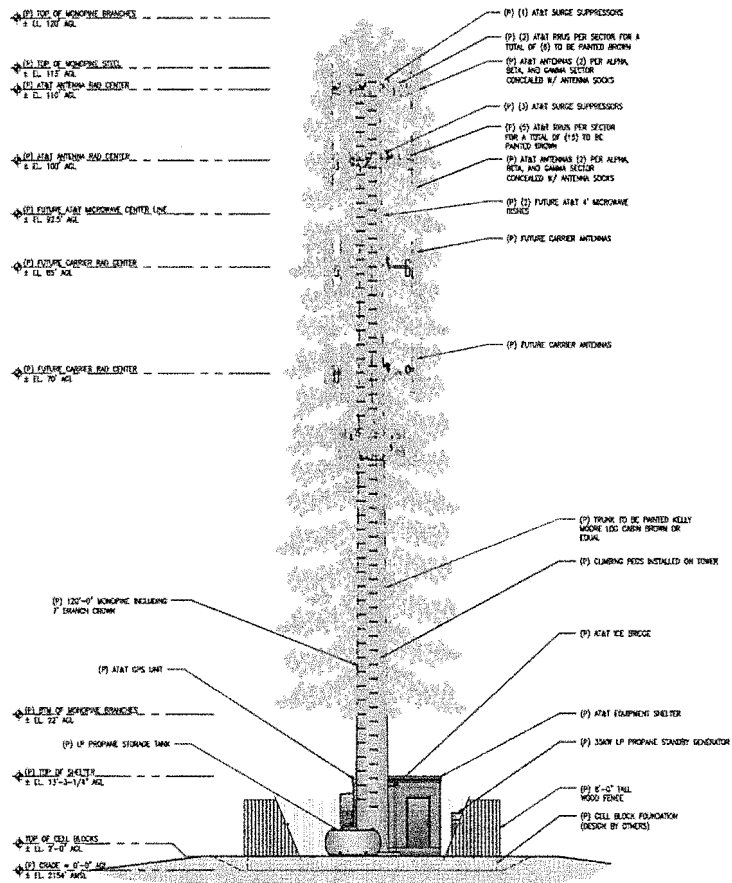
NOTE:
BRANCHES SHOWN ARE FOR
ILLUSTRATIVE PURPOSES ONLY.
NOT TO SCALE



8' 4' 0' 8' 16'
1/8"=1'-0"

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

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



8' 4' 0' 8' 16'
1/8"=1'-0"

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

SITE TYPE: MONOPINE/SHELTER

ISSUED FOR:

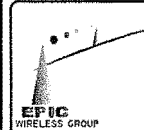
SOMERSET

4712 SAND RIDGE RD.
PLACERVILLE, CA 95667

PREPARED FOR



2000 Camino Ramon, #W5014
San Ramon, California 94583



AT&T SITE NO: 12V103402

PROJECT NO: 13767570

DRAWN BY: CES

CHECKED BY: CES

NO.	REVISION	DATE
1	ISSUE FOR PERMIT	12/15/09
2	REVISED FOR COMMENTS	1/15/10
3	REVISED FOR COMMENTS	2/10/10
4	REVISED FOR COMMENTS	2/10/10
5	REVISED FOR COMMENTS	2/10/10
6	REVISED FOR COMMENTS	2/10/10
7	REVISED FOR COMMENTS	2/10/10
8	REVISED FOR COMMENTS	2/10/10
9	REVISED FOR COMMENTS	2/10/10
10	REVISED FOR COMMENTS	2/10/10

Licensee



ADAPTIVE RE-USE ENGINEERING
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3112 LEATHA WAY
SACRAMENTO, CA 95821
craig@adaptivechco.com

Engineer

ADAPTIVE RE-USE ENGINEERING
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3112 LEATHA WAY
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craig@adaptivechco.com

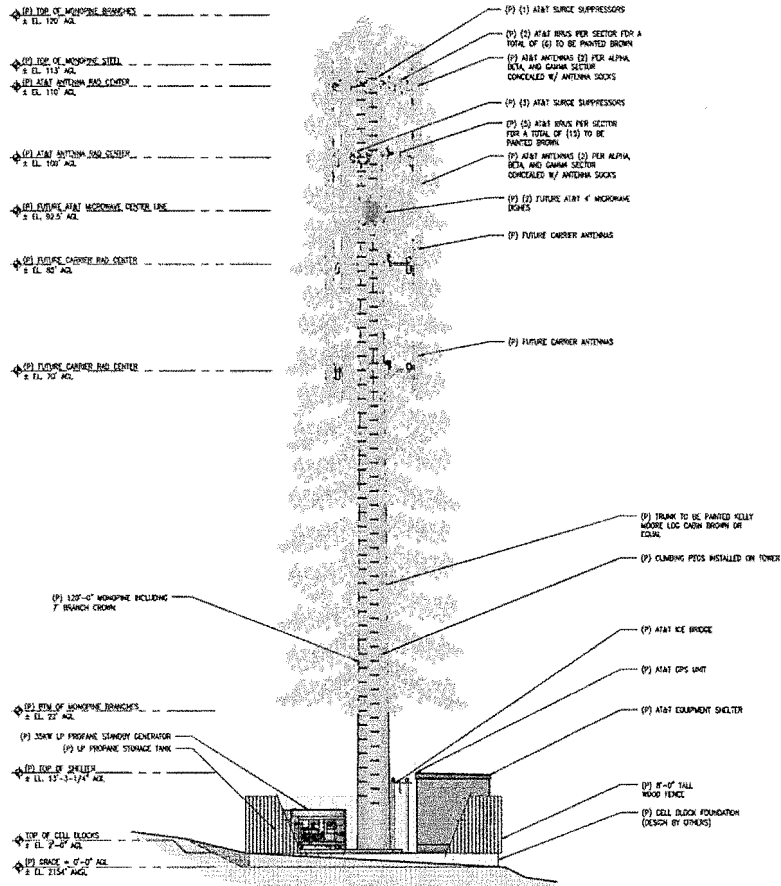
SHEET TITLE:

PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:

A-4.1

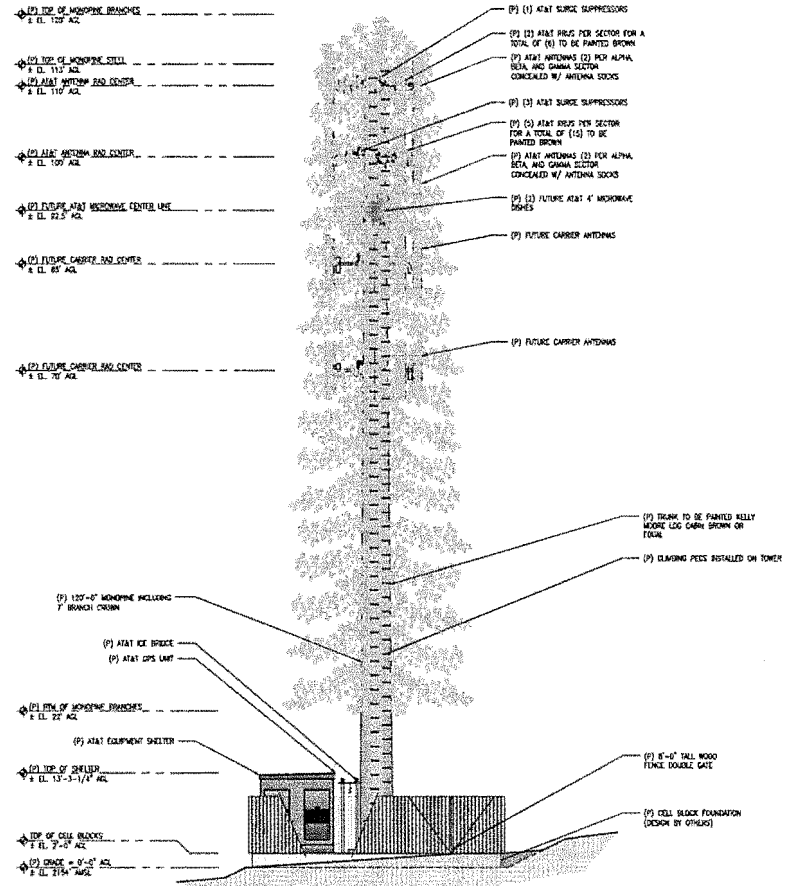
NOTE:
BRANCHES SHOWN ARE FOR
ILLUSTRATIVE PURPOSES ONLY.
NOT TO SCALE



8' 4' 0' 8' 16'
1/8"=1'-0"

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

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



8' 4' 0' 8' 16'
1/8"=1'-0"

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

SITE TYPE: MONOPINE/SHELTER

DESIGNED FOR:
SOMERSET
4712 SAND RIDGE RD.
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2500 Campus Parkway, #165014
San Francisco, California 94503

EPIC
WIRELESS GROUP

AT&T SHEET NO: CVEL02423
PROJECT NO: 13787570
DRAWN BY: CES
CHECKED BY: CES

NO.	REVISION	DATE
1	ISSUED	05/14/03
2	REVISED	05/14/03
3	REVISED	05/14/03
4	REVISED	05/14/03
5	REVISED	05/14/03
6	REVISED	05/14/03
7	REVISED	05/14/03
8	REVISED	05/14/03
9	REVISED	05/14/03
10	REVISED	05/14/03

LICENSOR:

I, CRAIG HORNES, AMERICAN INSTITUTE OF PROFESSIONAL ENGINEERS, LICENSE NO. 84674, STATE OF CALIFORNIA, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA.

ADAPTIVE RE-USE
ENGINEERING
Craig Hornes, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighornes@yahoo.com

SHEET TITLE
PROPOSED MONOPINE
WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

Site 5 - Exhibit G

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

DATE APPROVED: 2/14/2017
BY: Roger Trout, IDEE
EXECUTIVE SECRETARY

2017 February 10, 2017



Existing

Photosimulation of the view looking southwest from Sand Ridge Rd, showing a rare view through the trees.

Somerset
4712 Sand Ridge Rd
Palo Verde, CA 95027
CVL00423
atat



Proposed

2017 MAR 30 PM 4: 04
RECEIVED
PLANNING DEPARTMENT

S 17-0004



Existing

Photosimulation of the view looking east from the clearest view along Nutmeg Lane.

Somerset
4712 Sand Ridge Rd
Placerville, CA 95667
CVL20423
at&t



Proposed



Existing

Somerset
4712 Sand Ridge Rd
Pleasanton, CA 94567
CUL0023
at&t



Proposed

Aerial photograph showing the viewpoints for the photosimulations.

Somerset

4712 Sand Ridge Rd
Placerville, CA 95667
CVL05423



DATE December 14, 2017

BY Roger Trout/dre
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE... FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Somerset	Site Structure Type: Monopine
Address: 4712 Sand Ridge Road Placerville, California	Latitude: 38.642439
Report Date: March 8, 2017	Longitude: -120.696733
	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Somerset site located at 4712 Sand Ridge Road, Placerville, 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.

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

f=Frequency (MHz)

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

Site 5 - Exhibit I

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:

- Add twelve (12) new antennas
- Add twenty-one (21) new RRUs

The antennas will be mounted on a new 120-foot monopine erected for this purpose with centerlines at 100 and 110 feet above ground level. The antennas will be oriented toward 80, 320 and 200 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 37,236 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 0.7400% of the FCC General Population limits (0.1480% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 1.208% of the FCC General Population limits (0.2416% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the monopine, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.016% of the FCC General Population limits (0.0032% of the FCC Occupational limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate that informs personnel entering the site of basic precautions to be followed when working around antennas. RF alerting signage (Caution) should be posted at the base of the proposed monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

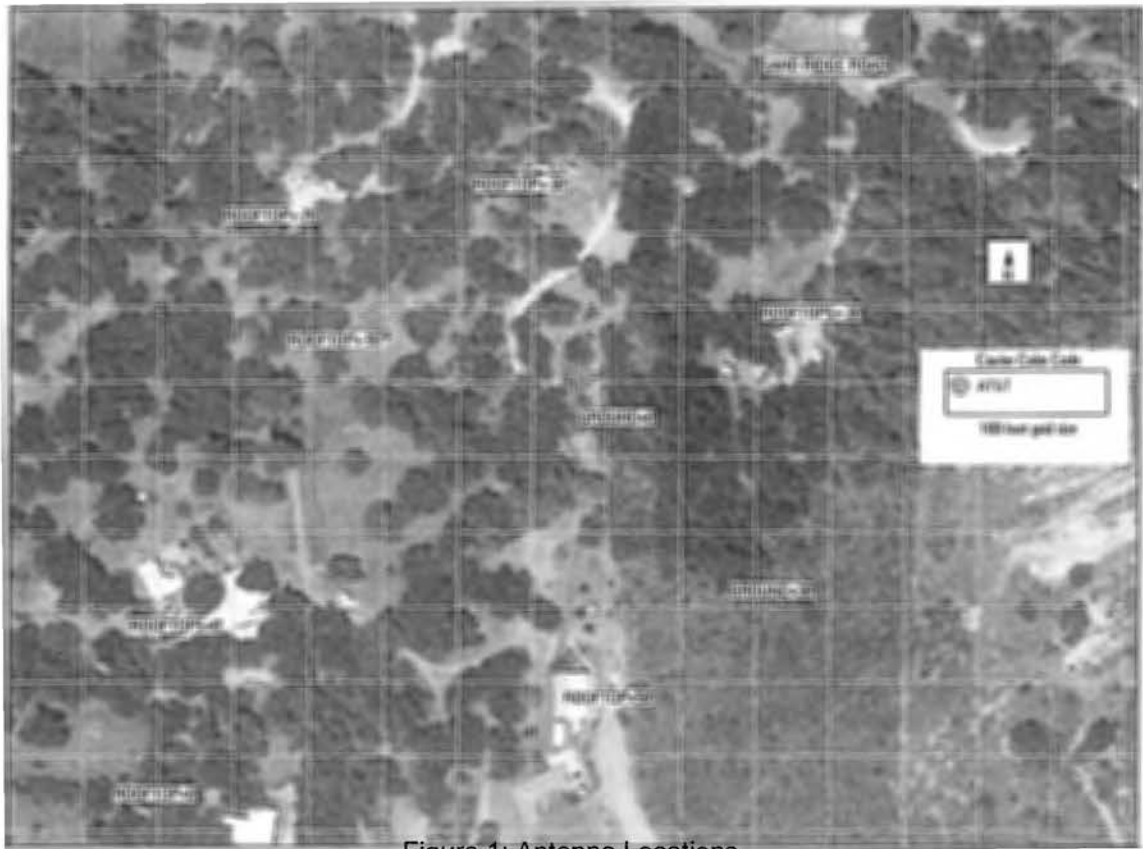


Figure 1: Antenna Locations

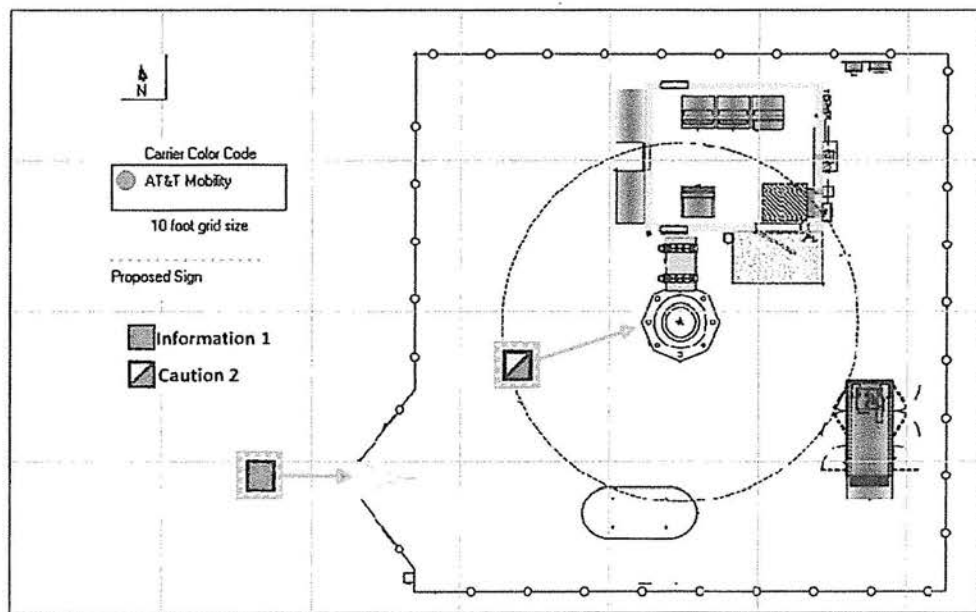


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility, predictive modeling and the mitigation action to be implemented by AT&T Mobility, the installation proposed by AT&T Mobility at 4712 Sand Ridge Road, Placerville, 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 tower to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

I, Steven N. Baier-Anderson, 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.

