

DATE: FEBRUARY 27, 2017
 DRAWN BY: BO
 FILE NO.: EPC10B

REVISIONS	
DATE	DESCRIPTION
2/24/17	REVISED
02/27/17	ISSUE



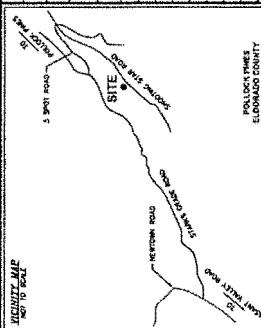
5001 Executive Parkway
 San Ramon, CA 94583




11201 Quail Boulevard, Suite 200
 Dublin, CA 94568
 (925) 751-9788 (office)

EXISTING SITE CONDITIONS

CVL03377	SERRA SPRINGS
4821 SHOOTING STAR ROAD	POLLOCK PINES, CA 95726
C1	OF 1 SHEET

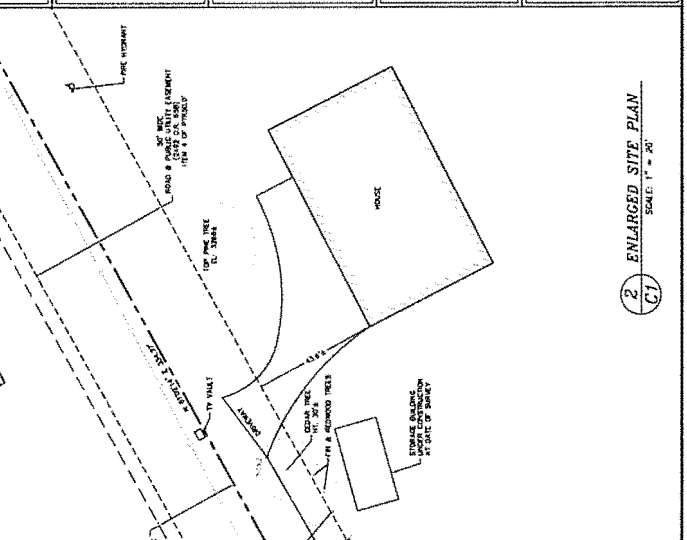
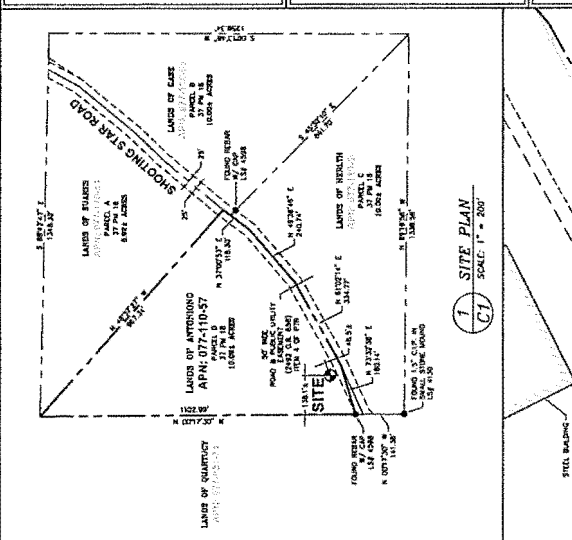


PARCEL INFORMATION
 Owner: ...
 Address: ...
 City: ...
 Assessor's Parcel Number: ...
 Title Report: ...
 Legal Description: ...

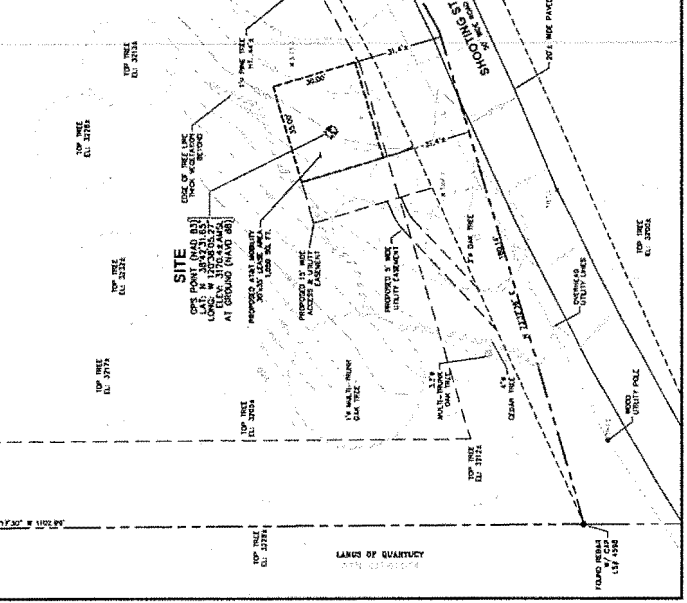
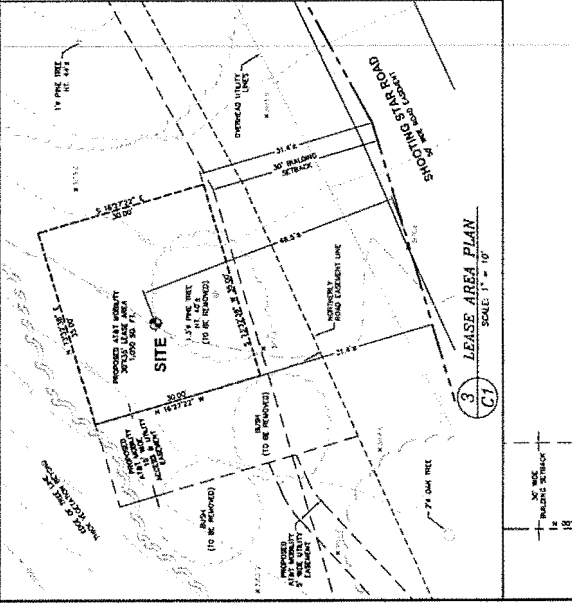
GENERAL NOTES
 1. The information shown on this plan is based on the information provided by the client and is not a warranty of accuracy.
 2. The information shown on this plan is not to be used for any other purpose than that for which it was prepared.
 3. The information shown on this plan is not to be used for any other purpose than that for which it was prepared.

LEGEND

APN	APN
CONTRACT	CONTRACT
LINE	LINE
POINT	POINT
MONUMENT	MONUMENT
POWER POLE	POWER POLE
STIPPLE	STIPPLE



QUIET RIVER
 Land Services Inc.
 11201 Quail Boulevard, Suite 200
 Dublin, CA 94568
 (925) 751-9788



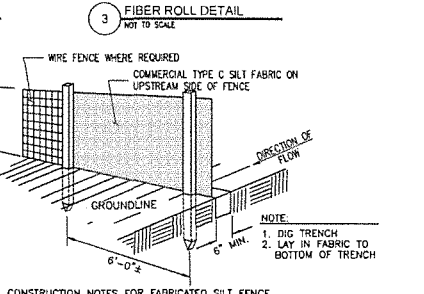
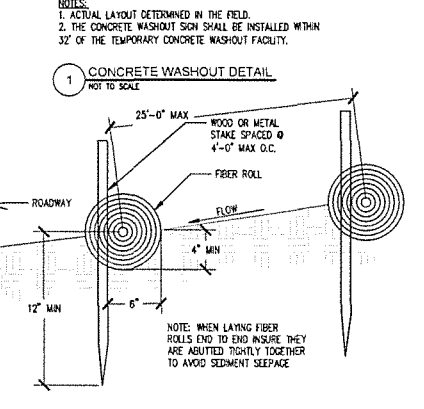
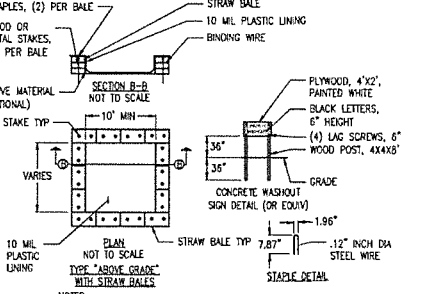
BEST MANAGEMENT PRACTICES "BMP" TABLE			
BEST MANAGEMENT PRACTICES	LOCATION	SCHEDULE IMPLEMENTATION	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING 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 ON THE GRADE, TRIBUTARY AREAS OR INSTALL SAND DIKES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE 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	REMOVE 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 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 AMPLIFIED 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, SIDEWALKS, AND OTHER IMPROVEMENTS. WHEN FINAL ELEVATION IS SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR CITY ACCEPTANCE.</p>			

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 DAILY 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 BMPs, 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, BROWN-TOLERANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT UNPLANTED THROUGH 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 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 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 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 DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINAGE 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 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 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 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 ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, ROCK, WET OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINANTS.
- REMOVE DIRT, 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 "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/EGRESS FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY FROM CONSTRUCTION VEHICLES.
- CONTRACTOR SHALL ENSURE THAT CONSTRUCTION DOES 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 DEWALUTION-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 DEBRIS 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 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.



FIBER ROLL NOTES:

- REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (1) CONTIGUES.
- 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.

SIERRA SPRINGS
4921 SHOOTING STAR ROAD
POLLOCK PINES, CA 95726

PREPARED FOR
at&t
2000 Camino Ramon, #400/014
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: CV103377
PROJECT NO: 13787567
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION

LICENSE:
CIVIL ENGINEER
No. 84674
STATE OF CALIFORNIA

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

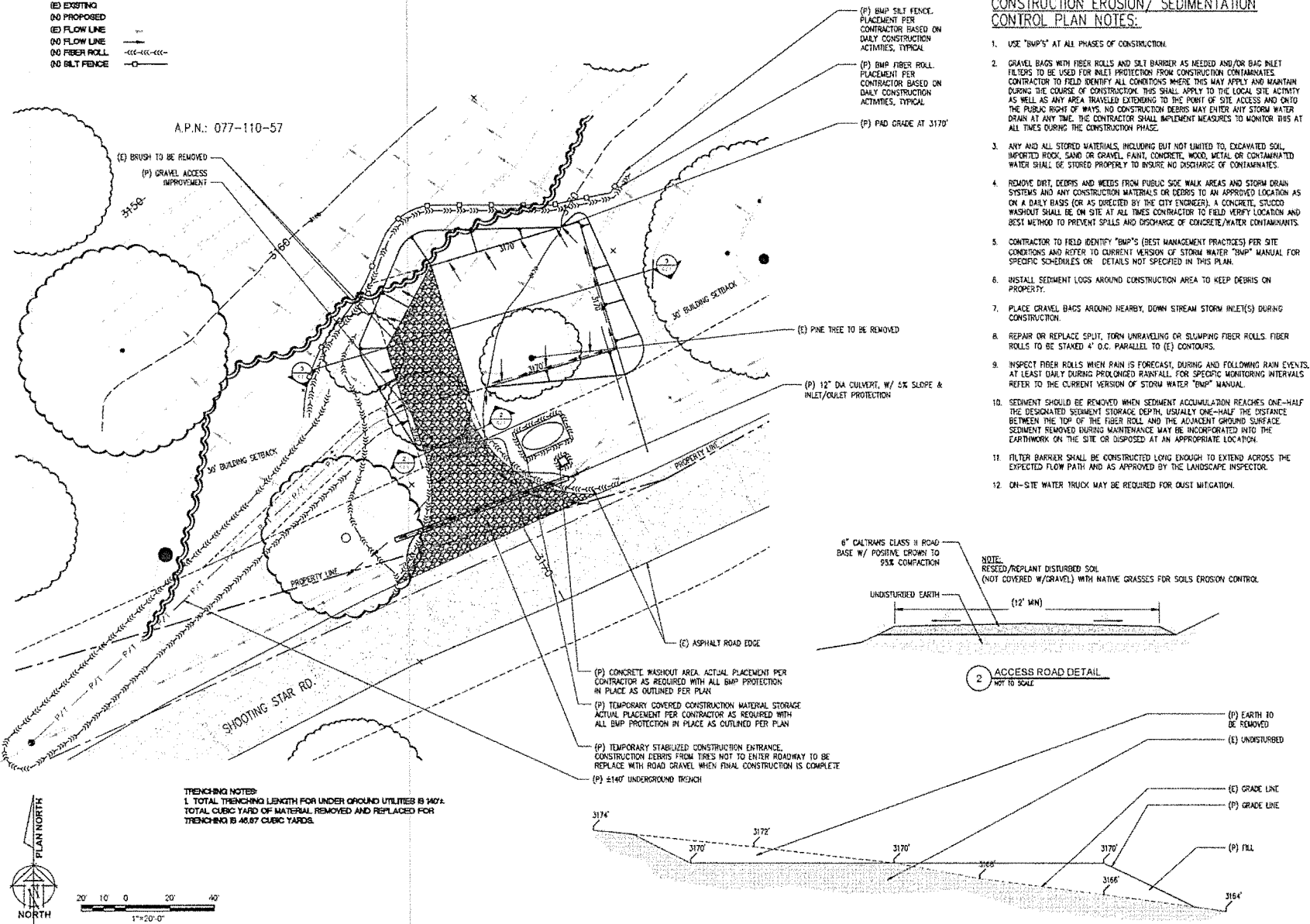
SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-2

LEGEND

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

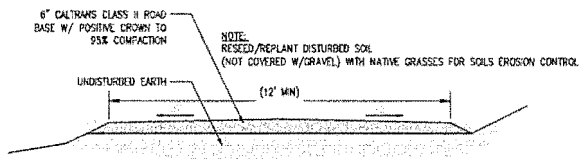
A.P.N.: 077-110-57



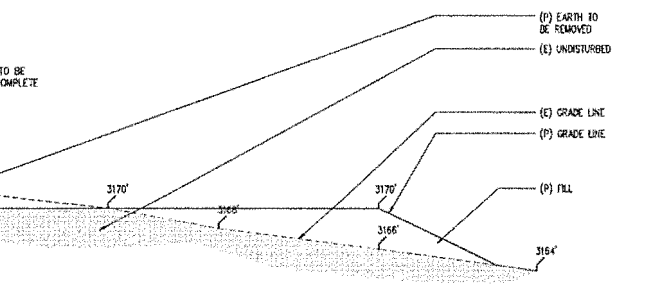
TRENCHING NOTES:
 1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 140'.
 TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 46.87 CUBIC YARDS.

CONSTRUCTION EROSION / SEDIMENTATION CONTROL PLAN NOTES:

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



2 ACCESS ROAD DETAIL NOT TO SCALE



3 PAO SECTION DETAIL 3/16"=1'-0"

1 GRADING PLAN 1"=20'-0"

SITE TYPE: MONOPINE/SHELTER

SIERRA SPRINGS
 4921 SHOOTING STAR ROAD
 POLLOCK PINES, CA 95726

PREPARED FOR

 2620 Camino Ramon, 495211
 San Ramon, California 94583

EPIC WIRELESS GROUP

DATE	DESCRIPTION

DATE	DESCRIPTION

Professional Engineer

 214-407-3184
 3112 LEATHA WAY
 SACRAMENTO, CA 95821
 craighomer@yahoo.com

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

SHEET TITLE
GRADING PLAN AND DETAILS

SHEET NUMBER
C-2.1



Photomontage of the view looking southwest along Shooting Star Road.

Sierra Springs
 4921 Shooting Star Road
 Pollock Pines, CA 95726
 CVL03377




Site 1-Exhibit G

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE January 11, 2018
 BY Roger Trout / she
 EXECUTIVE SECRETARY

Photosimulation of the view looking north from the nearest point along Shooting Star Road.



Existing

Proposed

Sierra Springs
4921 Shooting Star Road
Pullock Pine, CA 95726
CVL03377



Existing

Photosimulation of the view looking south from the direction of Rancho Del Sol.

Sierra Springs
4921 Shooting Star Road
Pollock Pines, CA 95726
CYL02377



Proposed

Proposed 125 ft monopole



Dis-located drone
(for exact height and placement)

Existing

Photosimulation of the view looking northeast along Shooting Star Road.

Sierra Springs
4921 Shooting Star Road
Palo Alto, CA 95726
CVL03377



Proposed 125 ft monopine

Proposed

Geo-locked view
(for exact height and placement)

Existing

Photosimulation of the view looking southwest along Shooting Star Road.

Sierra Springs

4921 Shooting Star Road
Pullock Pines, CA 95726
CVL03377



Proposed 525 ft monopole

Proposed

Aerial photograph showing the viewpoints for the photosimulations.

Sierra Springs

4821 Shooting Star Road
Pollock Pines, CA 95726
CVL03377



DATE January 11, 2018

BY Roger Trout/dre
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Sierra Springs	Site Structure Type: Monopine
Address: 4921 Shooting Star Road Pollock Pines, California	Latitude: 38.70879
Report Date: March 10, 2017	Longitude: -120.63483
	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Sierra Springs site located at 4921 Shooting Star Road, Pollock Pines, California. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure ("MPE") limits. At any location at this site, the power density resulting from each transmitter may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. Based on the criteria for these classifications, the FCC General Population limit is considered to be a level that is safe for continuous exposure time. The FCC General Population limit is 5 times more restrictive than the Occupational limits.

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

f=Frequency (MHz)

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

Site 1-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 125-foot monopine erected for this purpose with centerlines at 110 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 15,731 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 0.5215% of the FCC General Population limits (0.1043% 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 0.4680% of the FCC General Population limits (0.0936% 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 0.0260% of the FCC General Population limits (0.0052% 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.

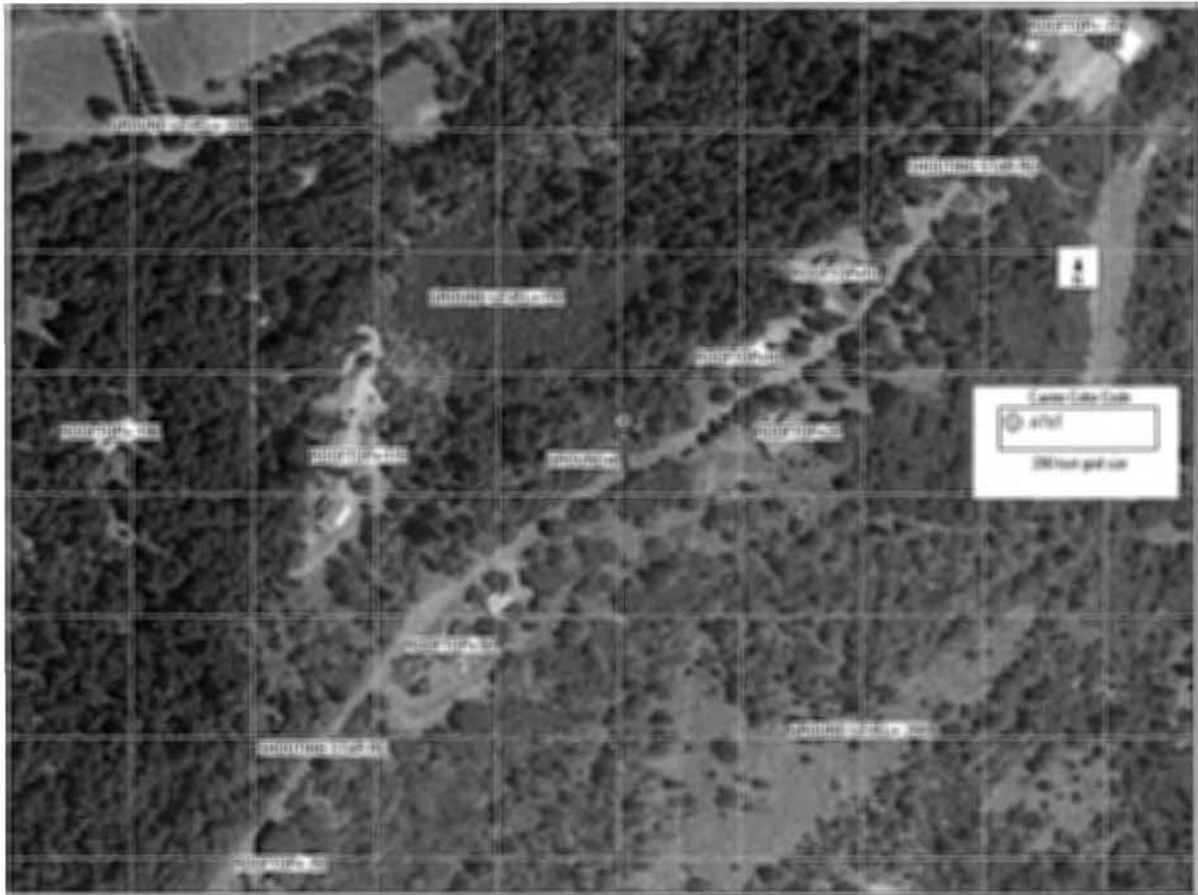


Figure 1: Antenna Locations

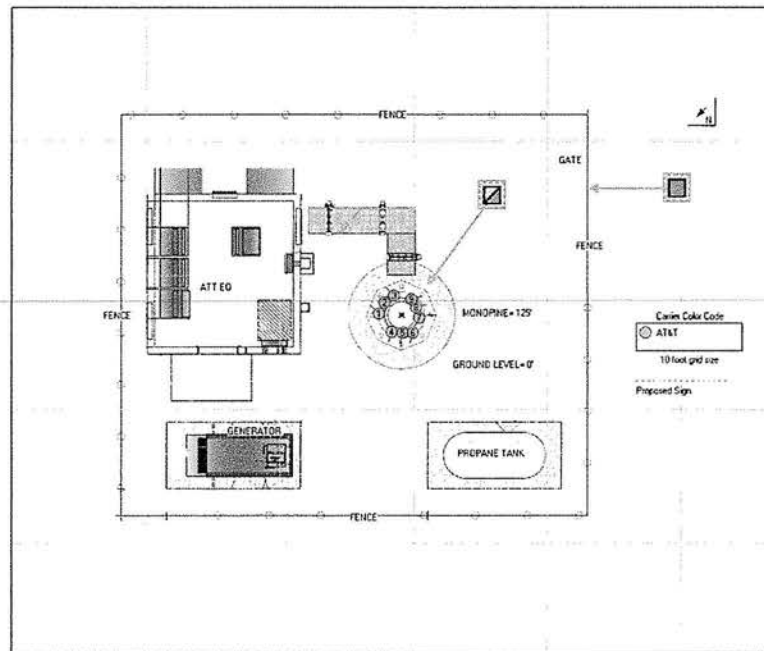


Figure 2: Mitigation Recommendations

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 4921 Shooting Star Road, Pollock Pines, California will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to 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.



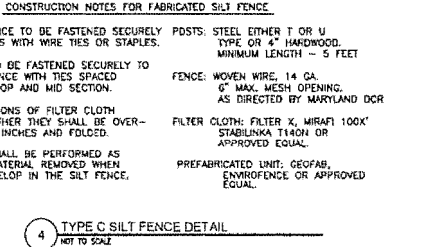
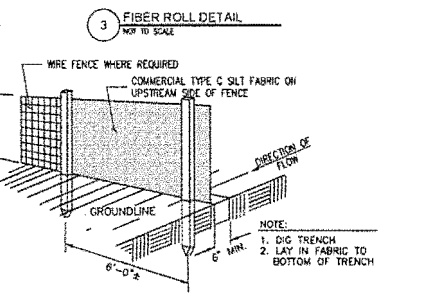
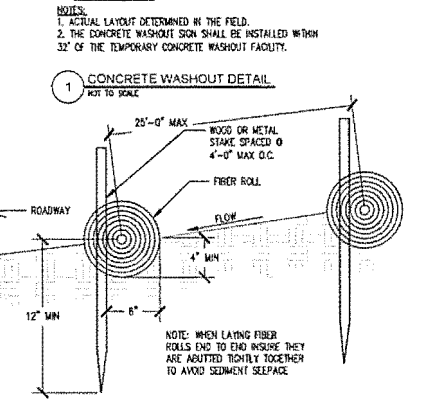
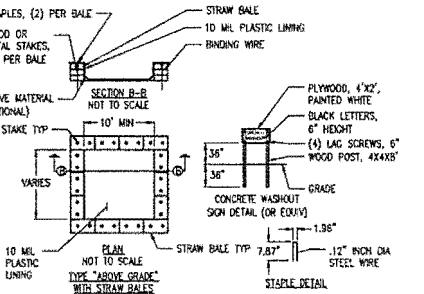
BEST MANAGEMENT PRACTICES "BMP" TABLE			
BEST MANAGEMENT PRACTICES	LOCATION	SCHEDULE IMPLEMENTATION	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILTER OUT SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. ASPECT SITE PERIMETER MONTHLY TO VERIFY THE OUTSIDE VEGETATION IS NOT DISTURBED.
PROTECT GRADED AREAS AND SLOPES FROM WASHOUT AND EROSION	THROUGHOUT PROJECT SITE	CONTINUOUS	INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. THE GRADE TRIBUTARY AREAS OR INSTALL SAND DIKES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE EXISTING 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	WHENEVER 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.

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 BMPs, 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 COMMERCIALY PREPARED ACCESS. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS. 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 SWEEPED AT THE END OF EACH WORKING DAY, 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 COMPLETE.
- 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 MATERIALS 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 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 DHP PANS. RESTRICT GASOLINE 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.

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 PROPERTIES.
- CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EGRESS FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY FROM CONSTRUCTION VEHICLES.
- 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 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.



FIBER ROLL NOTES:

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

MEADOW BROOK
7020 BLACK OAK COURT
GARDEN VALLEY, CA 95633

PREPARED FOR
at&t
2600 Corona Farms, #405014
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO. CVL05146
PROJECT NO. 137676-47
DRAWN BY: CES
CHECKED BY: CES

NO.	REVISION	DATE

REGISTERED PROFESSIONAL ENGINEER
No. 96674
CIVIL
STATE OF CALIFORNIA

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

EROSION CONTROL NOTES

SHEET NUMBER
C-2

- (1) TOP OF MONOPINE BRANCHES
± EL. 107' AGL
- (2) TOP OF MONOPINE STEEL
± EL. 157' AGL
- (3) AT&T ANTENNA HEAD CENTER = 150'-0"
± EL. 157' AGL
- (4) AT&T ANTENNA HEAD CENTER
± EL. 147' AGL
- (5) FUTURE AT&T MONOPINE CENTER LINE
± EL. 132.5' AGL
- (6) FUTURE CARRIER HEAD CENTER
± EL. 127' AGL
- (7) FUTURE CARRIER HEAD CENTER
± EL. 117' AGL

- (8) AT&T RINGS TO BE PAINTED BROWN
- (9) AT&T ANTENNAS PER SECTOR WITH FOR A TOTAL OF (6) CONCEALED W/ ANTENNA SOCKS
- (10) AT&T SURGE SUPPRESSORS ON COLLAR MOUNT BELOW UPPER ANTENNAS
- (11) AT&T RINGS ON COLLAR MOUNT BELOW UPPER ANTENNAS TO BE PAINTED BROWN
- (12) AT&T SURGE SUPPRESSORS
- (13) AT&T RINGS TO BE PAINTED BROWN
- (14) AT&T ANTENNAS PER SECTOR WITH FOR A TOTAL OF (6) CONCEALED W/ ANTENNA SOCKS
- (15) FUTURE AT&T 4' MONOPINE TOWERS

- (7) FUTURE CARRIER ANTENNAS
- (7) FUTURE CARRIER ANTENNAS

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

- (8) 160'-0" MONOPINE INCLUDING 7' BRANCH CROWN
- (9) 12'-0" WIDE ACCESS GATE
- (10) 10' LP PROPANE STORAGE TANK
- (11) 10' LP PROPANE STORAGE TANK
- (12) 4'-0" TALL CHAIN LINK FENCE w/ 3 STRAND ANTI CLIMB INVOCK
- (13) 3600 LP PROPANE STATIONARY GENERATOR
- (14) 6'-0" TALL CHAIN LINK FENCE w/ 3 STRAND ANTI CLIMB INVOCK
- (15) TOWER MOUNT SLAB (DESIGN BY OTHERS)
- (16) TRUNK TO BE PAINTED KELLY MOORE LOG CABIN BROWN ON TOTAL
- (17) CLIMBING PEGS INSTALLED ON TOWER
- (18) AT&T ICE BRIDGE
- (19) AT&T OPS UNIT
- (20) AT&T EQUIPMENT SHELTER
- (21) 3600 LP PROPANE STATIONARY GENERATOR
- (22) 6'-0" TALL CHAIN LINK FENCE w/ 3 STRAND ANTI CLIMB INVOCK
- (23) TOWER MOUNT SLAB (DESIGN BY OTHERS)

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

- (1) TOP OF MONOPINE BRANCHES
± EL. 107' AGL
- (2) TOP OF MONOPINE STEEL
± EL. 157' AGL
- (3) AT&T ANTENNA HEAD CENTER = 150'-0"
± EL. 157' AGL
- (4) AT&T ANTENNA HEAD CENTER
± EL. 147' AGL
- (5) FUTURE AT&T MONOPINE CENTER LINE
± EL. 132.5' AGL
- (6) FUTURE CARRIER HEAD CENTER
± EL. 127' AGL
- (7) FUTURE CARRIER HEAD CENTER
± EL. 117' AGL

- (8) AT&T RINGS TO BE PAINTED BROWN
- (9) AT&T ANTENNAS PER SECTOR WITH FOR A TOTAL OF (6) CONCEALED W/ ANTENNA SOCKS
- (10) AT&T SURGE SUPPRESSORS ON COLLAR MOUNT BELOW UPPER ANTENNAS
- (11) AT&T RINGS ON COLLAR MOUNT BELOW UPPER ANTENNAS TO BE PAINTED BROWN
- (12) AT&T SURGE SUPPRESSORS
- (13) AT&T RINGS TO BE PAINTED BROWN
- (14) AT&T ANTENNAS PER SECTOR WITH FOR A TOTAL OF (6) CONCEALED W/ ANTENNA SOCKS
- (15) FUTURE AT&T 4' MONOPINE TOWERS

- (7) FUTURE CARRIER ANTENNAS
- (7) FUTURE CARRIER ANTENNAS

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

- (8) 160'-0" MONOPINE INCLUDING 7' BRANCH CROWN
- (9) AT&T OPS UNIT
- (10) AT&T EQUIPMENT SHELTER
- (11) 10' LP PROPANE STORAGE TANK
- (12) 6'-0" TALL CHAIN LINK FENCE w/ 3 STRAND ANTI CLIMB INVOCK
- (13) TOWER MOUNT SLAB (DESIGN BY OTHERS)
- (14) TRUNK TO BE PAINTED KELLY MOORE LOG CABIN BROWN ON TOTAL
- (15) CLIMBING PEGS INSTALLED ON TOWER
- (16) AT&T ICE BRIDGE
- (17) LP PROPANE STORAGE TANK
- (18) 6'-0" TALL CHAIN LINK FENCE w/ 3 STRAND ANTI CLIMB INVOCK
- (19) TOWER MOUNT SLAB (DESIGN BY OTHERS)

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

SITE TYPE: MONOPINE/SHELTER

MEADOW BROOK
7020 BLACK OAK COURT
GARDEN VALLEY, CA 95633

PREPARED FOR
at&t
2400 Camino Ramon, #405016
San Ramon, California, 94583

EP&C
WIRELESS GROUP

AT&T SHEET NO. CV103148
PROJECT NO. 13787447
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
1	04/20/17	ISSUED
2	04/20/17	ISSUED
3	04/20/17	ISSUED
4	04/20/17	ISSUED
5	04/20/17	ISSUED
6	04/20/17	ISSUED
7	04/20/17	ISSUED
8	04/20/17	ISSUED
9	04/20/17	ISSUED
10	04/20/17	ISSUED
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26	04/20/17	ISSUED
27	04/20/17	ISSUED
28	04/20/17	ISSUED
29	04/20/17	ISSUED
30	04/20/17	ISSUED

REGISTERED PROFESSIONAL ENGINEER
No. 84674
STATE OF CALIFORNIA

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3164
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighorner@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4

Site 2-Exhibit G

Existing



Proposed



view from Black Oak Mine Road looking west at site

AdvanceSim

Contact (925) 202-8507

AT&T Wireless

7020 Black Oak Court, Garden Valley, CA
Photograph Produced on 8-14-2017

Existing



Proposed



view from Georgetown Road looking west of site

AdvanceSim
SOLUTIONS

Contact (925) 202-8507



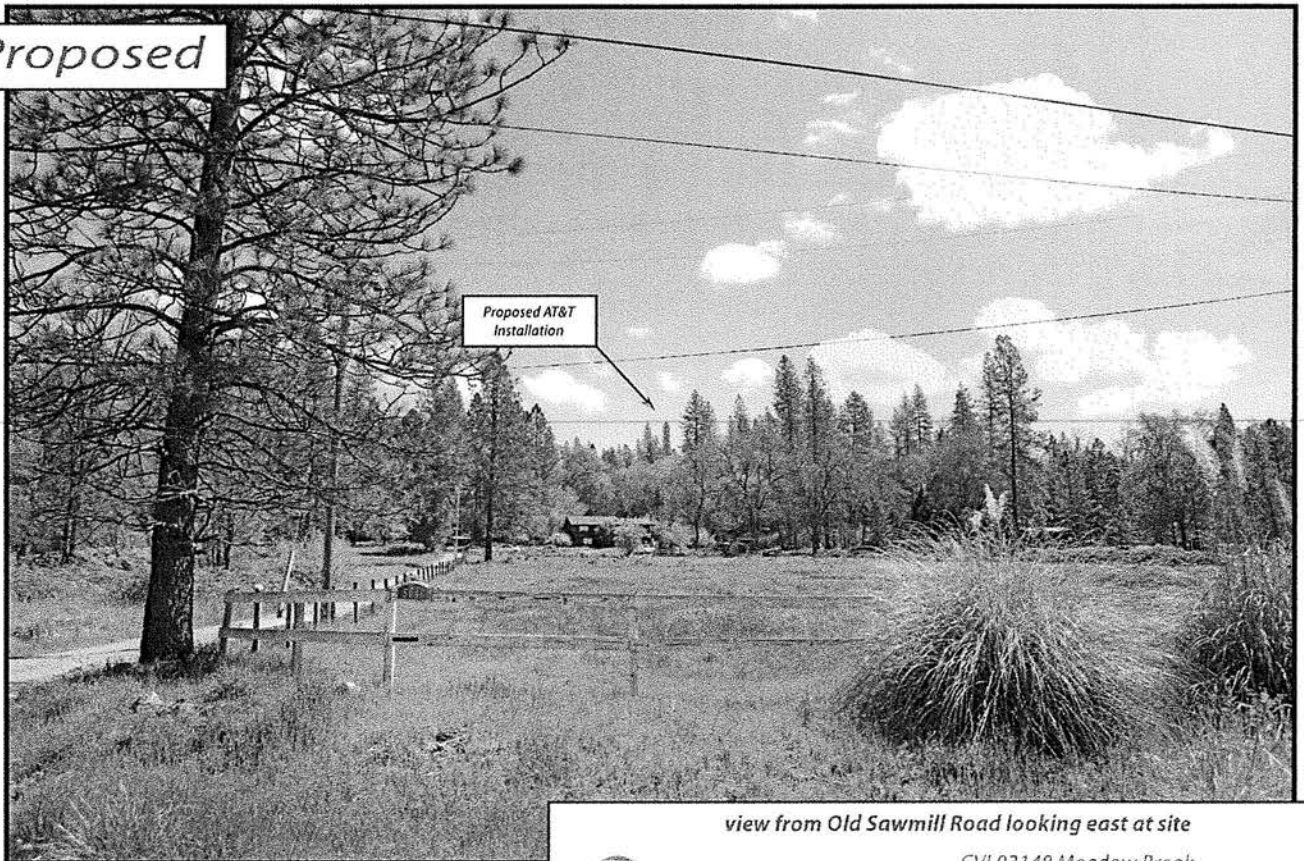
AT&T Wireless

1525148 Meadow Brook
7020 Black Oak Court, Garden Valley, CA
Photomaps Produced on 4-14-2017

Existing



Proposed



view from Old Sawmill Road looking east at site

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507



AT&T Wireless

CVL03148 Meadow Brook
7020 Black Oak Court, Garden Valley, CA
Photosims Produced on 4-14-2017

Existing




Proposed



view from Georgetown Road looking northwest at site

AdvanceSite
A Wireless Solutions Company

Contact (925) 262-8507

 **AT&T Wireless**

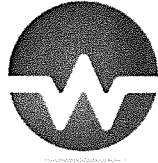
CY12148 Meadow Brook
7620 Black Oak Court, Garden Valley, CA
Photos Produced on 4-14-2017



CVL001-02 Meadow Brook
7000 Black Oak Court, Garden Valley, CA
Provisional Position as of 6-14-2017



DATE January 11, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Meadowbrook	Site Structure Type: Monopine
Address: 7020 Black Oak Court	Latitude: 38.8579
Garden Valley, California	Longitude: -120.83844
Report Date: April 11, 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 Meadowbrook site located at 7020 Black Oak Court, Garden Valley, 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)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm ²)	Averaging Time (minutes)	Power Density (mW/cm ²)	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

f=Frequency (MHz)

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

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:

- Install twelve (12) new antennas
- Install twenty-one (21) new RRUS

The antennas will be mounted on a new 160-foot monopole 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 24,767 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 0.3965% of the FCC General Population limits (0.0793% 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 0.4275% of the FCC General Population limits (0.0855% 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 0.0105% of the FCC General Population limits (0.0021% 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.

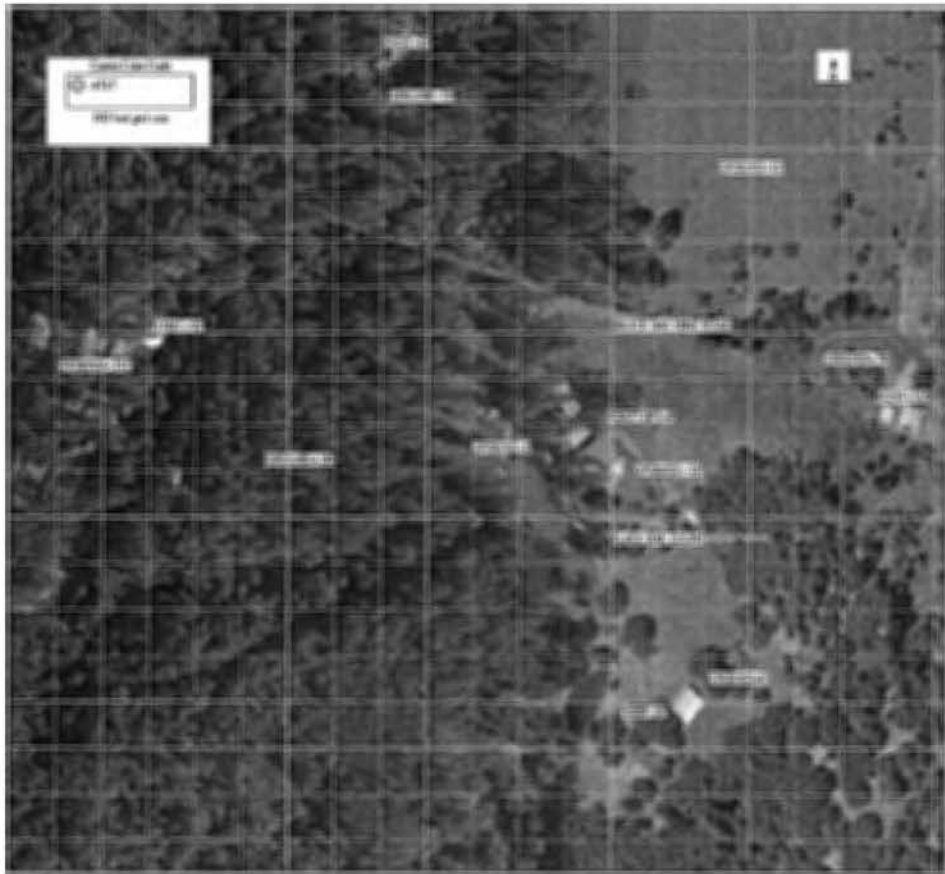


Figure 1: Antenna Locations

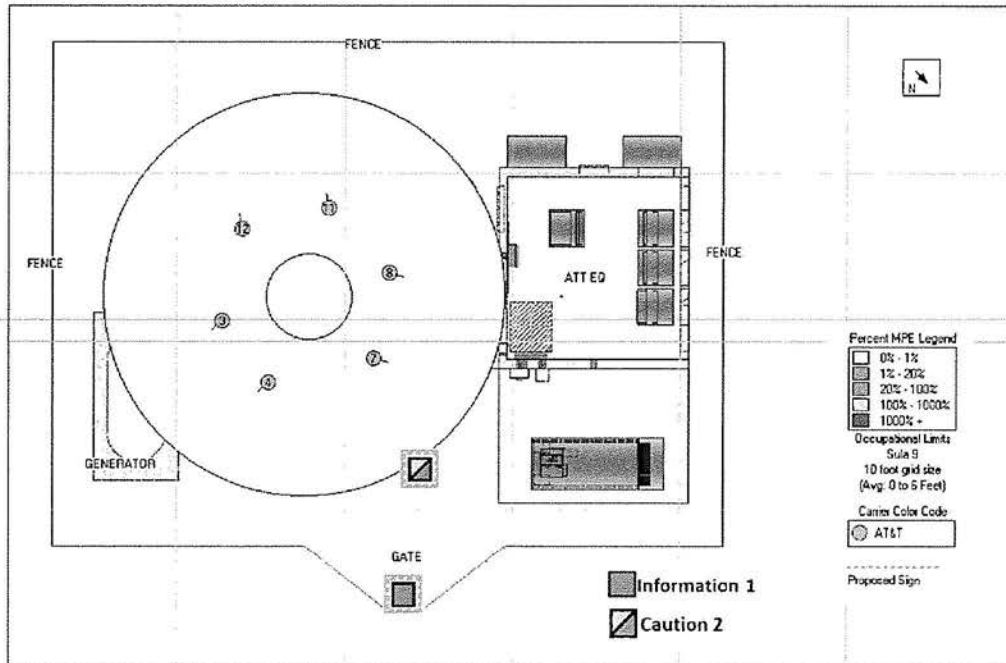


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 7020 Black Oak Court, Garden Valley, 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 monopine 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: CVL03436

SITE NAME: TIGER LILY

5411 VICTORY MINE ROAD
PLACERVILLE, CA 95667
JURISDICTION: ELDORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

ISSUED FOR
TIGER LILY
5411 VICTORY MINE ROAD
PLACERVILLE, CA 95667

PREPARED FOR

2822 Central Expressway, #485016
San Ramon, California 94583



ATEL SHE NO: CVL03436
PROJECT NO: 13787577
DRAWN BY: CES
CHECKED BY: CES

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APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
Board of Supervisors
DATE February 13, 2018
BY Roger Trout
EXECUTIVE SECRETARY

THIS INDICATION OF APPROVAL IS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A PROFESSIONAL SEAL OR ENDORSEMENT OF ANY KIND.

ENGINEER
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3164
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighorner@yahoo.com

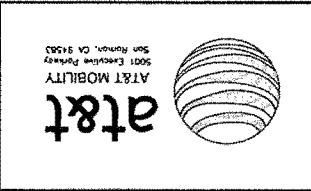
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV	
<p>NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.</p> <ol style="list-style-type: none"> BRING POWER / TELCO / FIBER TO SITE LOCATION 30 DAY FINISH LEASE AREA INSTALL AND PROVIDE THE UNMANNED TELECOMMUNICATIONS FACILITY AND ASSOCIATED INTERIOR EQUIPMENT ADD (1) NEW UPS UNITS ADD (1) MONOPINE ADD (12) ANTENNAS (4) PER ALPHA BETA CANAL SECTOR ADD (1) AND (2) MONOPINE PINS ADD (4) SURGE SUPPRESSORS ADD (2) TOWER 4' MONOPINE BOOMS ADD (1) 40' CONCRETE FOUNDATION ADD 20' UP PROPANE GENERATOR ADD 200 GAL UP PROPANE STORAGE TANK 	<p>PROPERTY INFORMATION: SITE NAME: TIGER LILY SITE NUMBER: CVL03436 SEARCH RING: TIGER LILY FA# 13787577</p> <p>SITE ADDRESS: 5411 VICTORY MINE ROAD PLACERVILLE, CA 95667</p> <p>A.P.N. NUMBER: 046-490-22</p> <p>CURRENT USE: RURAL HOMESITE SURROUNDING USE: SINGLE FAMILY RURAL RESIDENTIAL</p> <p>PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY</p> <p>JURISDICTION: ELDORADO COUNTY</p> <p>LATITUDE: N 38° 40' 00.74"</p> <p>LONGITUDE: W 120° 45' 38.27"</p> <p>GROUND ELEVATION: 12575 FT. AMSL</p>	<p>PROPERTY OWNER: CHRY AND LANCE KRAYER 5411 VICTORY MINE ROAD 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 EXECUTIVE PARKWAY SAN RAMON, CA 94583</p> <p>RF ENGINEER: AT&T CONTACT: KEVIN HANCOCK EMAIL: M45129@ATT.COM</p> <p>PROJECT MGR: EPIC WIRELESS CONTACT: NICK TAGAS EMAIL: NICKTAGAS@EPICWIRELESS.NET PH: (916) 930-1416</p> <p>SITE ACQUISITION: COMPANY: EPIC WIRELESS CONTACT: JARED KEARSELEY (ZONING MGR.) EMAIL: JARED@EPICWIRELESS.NET CELL: (916) 700-1326</p> <p>CONSTRUCTION MGR.: COMPANY: EPIC WIRELESS CONTACT: PETE MARAS EMAIL: PETE.MARAS@EPICWIRELESS.NET PH: (930) 383-9957</p> <p>J&E DESIGN GROUP: COMPANY: EPIC WIRELESS CONTACT: CARL SYLVESTER CARL.SYLVESTER@EPICWIRELESS.NET PH: (930) 933-2153</p> <p>ARCHITECT/ENGINEER: ADAPTIVE RE-USE ENGINEERING CONTACT: CRAIG HORNER, PE 84674 EMAIL: CRAIGHORNER@AUREG.COM PH: (916) 407-3164</p> <p>CIVIL VENDOR: YINDULANS CIVIL CONTACT: KEN APTEL EMAIL: KASE@YINDULANS.COM PH: (916) 844-4892</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 PROPOSED MONOPINE TOWER NORTH - SOUTH ELEVATION A-4.1 PROPOSED MONOPINE TOWER WEST - EAST ELEVATION</p>	
<p>CODE COMPLIANCE</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., (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R., (2015 INTERNATIONAL FIRE CODE) 2016 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE) 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R., (CALGreen) 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. ANSI/ADA-117-2010 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>OCCUPANCY AND CONSTRUCTION TYPE</p> <p>OCCUPANCY: U (UNMANNED) CONSTRUCTION TYPE: V-3</p>	<p>VICINITY MAP</p>	<p>DIRECTIONS FROM AT&T</p> <p>DIRECTIONS FROM AT&T'S OFFICE AT 2600 CHANDR RANCH, SAN RAMON, CA</p> <ol style="list-style-type: none"> HEAD SOUTH ON CHANDR RANCH TOWARD ESCROW ON 0.2 MI CONTINUE STRAIGHT TO 3217 ON CHANDR RANCH 0.1 MI TURN RIGHT ONTO INDIANES CANYON RD 0.4 MI USE THE RIGHT 4 LINES TO GO RIGHT ONTO I-805 N ON THE RAMP TO SACRAMENTO 0.3 MI FOLLOW I-805 N I-805 E AND US-50 E TO MISSOURI FLAT RD IN EL DORADO COUNTY. TAKE EXIT 44A FROM US-50 E 1/4 MI 47 MIN (52) MI MISSOURI FLAT RD 1.007 MI 1.62 MI KEEP LEFT TO GOVE ON I-805 N 5.0 MI KEEP LEFT AT THE FORK TO STAY ON I-805 N 5.8 MI KEEP LEFT AT THE FORK TO GOVERNOR ON I-805 N 14.4 MI USE ANY LANE TO TAKE EXIT 31A TOWARD I-805 (SACRAMENTO) 0.4 MI MISSOURI FLAT RD 1.40 E 2.0 MI KEEP LEFT AT THE FORK TO STAY ON I-805 E 1.3 MI KEEP LEFT AT THE FORK TO CONTINUE ON I-805 (US-50) (SACRAMENTO) CITY FREWAY. FOLLOW SPOKE FOR INTERSTATE TO RECREATION/AGRICULTURE/GOVERNOR LANE TAKE 5.2 MI CONTINUE ONTO US-50 E 38.2 MI TAKE EXIT 44A FOR MISSOURI FLAT RD 0.2 MI FOLLOW MISSOURI FLAT RD AND PLEASANT VALLEY RD TO VICTORY MINE RD 1.1 MI (5.8 MI) TURN LEFT AT THE FORK TO GOVERNOR ON I-805 (US-50) (SACRAMENTO) CITY FREWAY. 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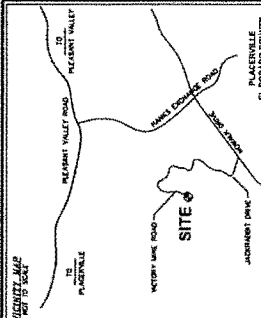
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12/17/17	REVISED



EXISTING SITE CONDITIONS

CVL03436
 TIGER LILY
 5411 VICTORY WINE ROAD
 PLACERVILLE, CA 95857

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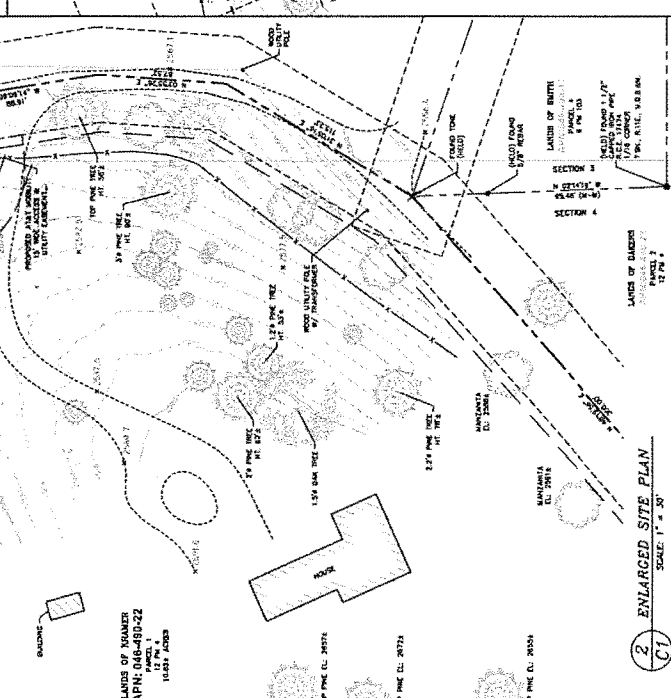
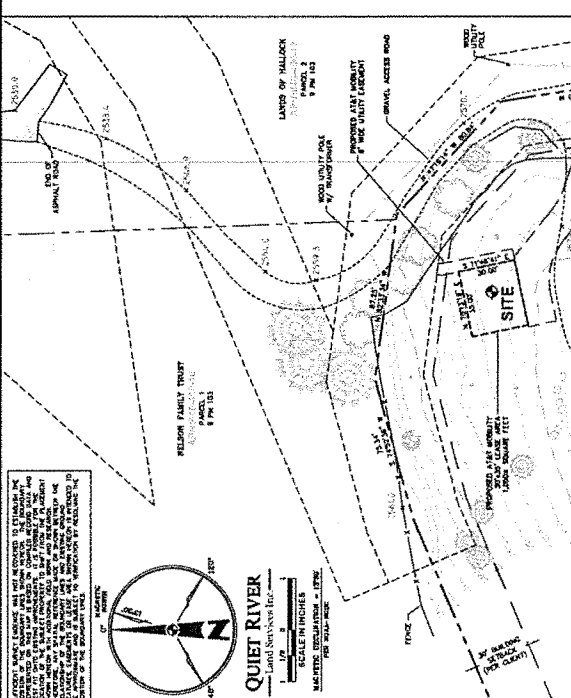
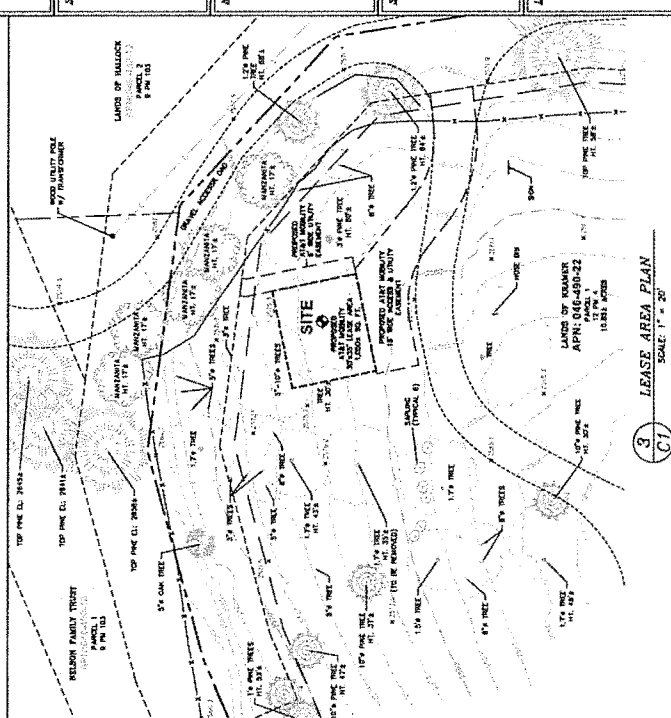
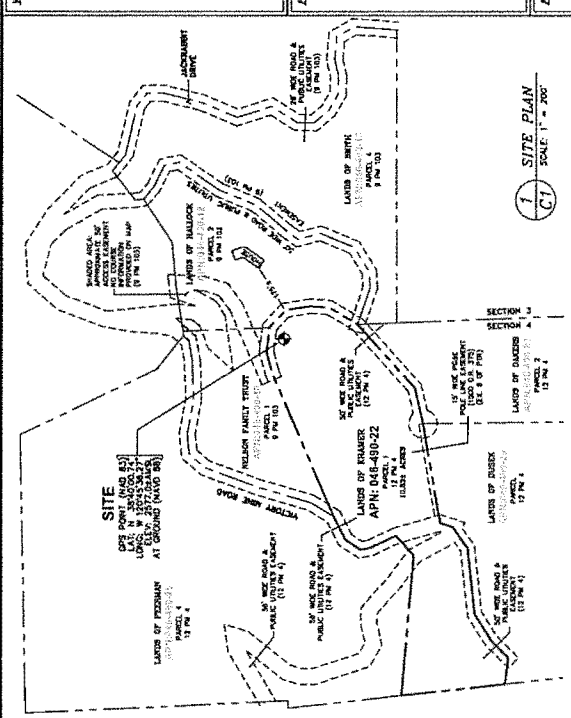


ZONING INFORMATION
 APPLICABLE ZONING: RESIDENTIAL SINGLE-FAMILY (RS)
 APPLICABLE SETBACKS: 10 FT. FRONT, 10 FT. SIDE, 10 FT. REAR
 APPLICABLE HEIGHT: 35 FT. MAXIMUM
 APPLICABLE LOT AREA: 10,000 SQ. FT. MINIMUM
 APPLICABLE LOT WIDTH: 40 FT. MINIMUM
 APPLICABLE LOT DEPTH: 120 FT. MINIMUM
 APPLICABLE LOT COVERAGE: 10% MAXIMUM
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LEGEND

SYMBOL	DESCRIPTION
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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 PERIODICALLY 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 ON INSTALL SAND Dikes AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE 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 CHUTE 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 CRUSHED STONE IS COMPLETED THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL GRADING IS COMPLETED AND SOILS HAVE STABILIZED	IDENTIFY 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 ASSURE WASTE IS STORED PROPERLY AND 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 AMPLIFIED SUPPLIES OF SPILL CLEANUP MATERIALS ON SITE & INSPECT ON REGULAR SCHEDULE.
STREET AND STORM DRAINAGE FACILITY MAINTENANCE DEFINITIVES	STREETS AND STORM DRAINAGE FACILITIES	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	MAINTAIN STORM DRAINAGE FACILITIES AND PAVED STREETS CLEAR OF SEDIMENT AND DEBRIS.

FIBER ROLL NOTES:

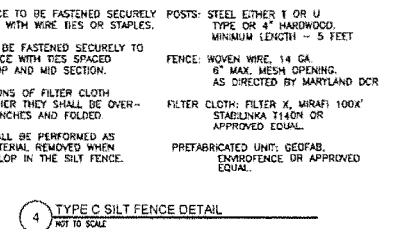
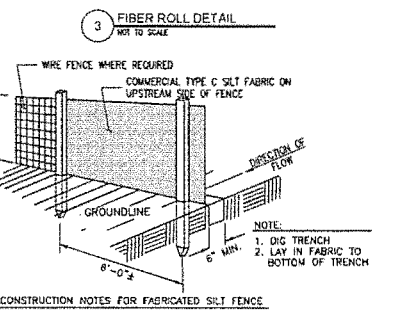
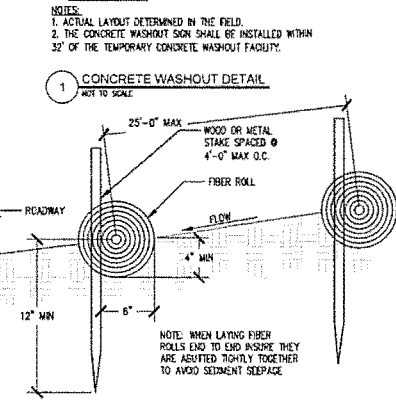
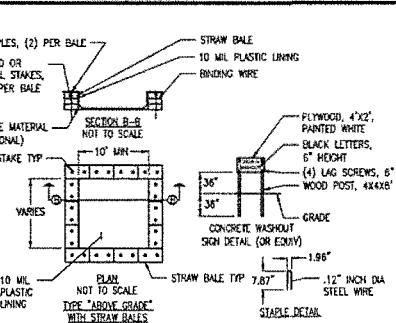
- REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLIPPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (C) CONTOURS.
- INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL 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 CURING AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES PER SITE CONDITIONS.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OF 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 WAY 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 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 COMPLETE.
- 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, STORAGE MATERIAL ON PALLETS AND PROVIDING COVERING FOR SKIDABLE 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 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 BAG INLET FILTERS TO BE USED FOR RIBET PROTECTION FROM CONSTRUCTION CONTAMINANTS. CONTRACTOR TO FIELD IDENTIFY ALL DRAINAGES WHERE THESE SHALL 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 AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINANTS.
- REMOVE DIRT, DEBRIS AND WHEELS FROM PUBLIC SIDE WALKS 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 "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/EGRESS 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 METHODS, 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 MISUSE OF BLOWN 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.



Prepared For
TIGER LILY
5411 VICTORY MINE ROAD
PLACERVILLE, CA 95667

PREPARED FOR
at&t
200 Corona Road, #58114
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE #0: CV103436
PROJECT #0: 13767577
DRAWN BY: CES
CHECKED BY: CES



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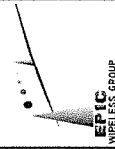
SHEET TITLE
EROSION CONTROL NOTES

SHEET NUMBER
C-2

Prepared for:
TIGER LILY
 5411 VICTORY MINE ROAD
 PLACERVILLE, CA 95667


Prepared for:

 200 Camino Ramon, #100
 San Ramon, California 94583


EPIC
 WIRELESS GROUP

ALTA SITE NO: CV102434
 PROJECT NO: 13787377
 DRAWN BY: CES
 CHECKED BY: CES

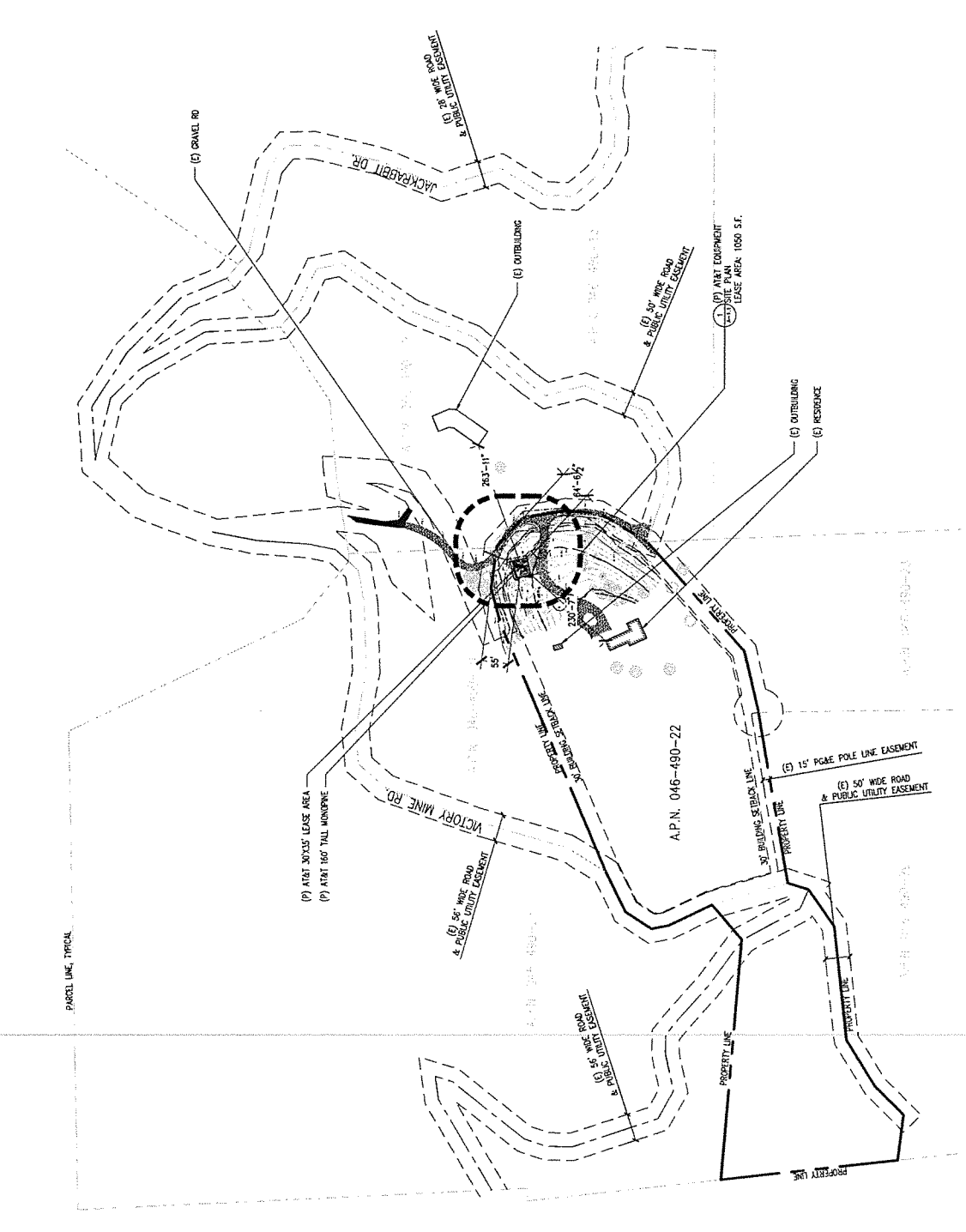
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2	08/04/17	ISSUED FOR PERMITS
3	08/04/17	ISSUED FOR PERMITS
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5	08/04/17	ISSUED FOR PERMITS
6	08/04/17	ISSUED FOR PERMITS
7	08/04/17	ISSUED FOR PERMITS
8	08/04/17	ISSUED FOR PERMITS
9	08/04/17	ISSUED FOR PERMITS
10	08/04/17	ISSUED FOR PERMITS

Engineer:

 JEFFREY A. BICKEL
 PROFESSIONAL ENGINEER
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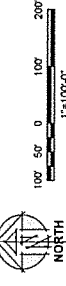
SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1



THIS IS NOT A SITE SURVEY
 ALL PROPERTY DIMENSIONS, CORNER MARKS, INTERIOR AND EXTERIOR WALLS, AND LOT LINES HAVE BEEN OBTAINED FROM THE RECORD PLANS AND FIELD SURVEY DATA AND ARE APPROXIMATE.

NOTES:
 1. NO CHANGE OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN THE APPROVED PERMITS WITHOUT THE APPROVAL OF THE LOCAL AGENCIES.
 2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT ALL AGENCIES AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS IN THE POINT OF CONSTRUCTION TO CONTACT PERMITS.



1 OVERALL SITE PLAN
 1-18-07

SITE TYPE: MONOPINESHELTER

↑ (P) TOP OF MONOPINE BRANCHES
± EL. 160' AGL

↑ (P) TOP OF MONOPINE STEEL
± EL. 153' AGL

↑ (P) AT&T ANTENNA AND CENTER = 150'-0"
± EL. 150' AGL

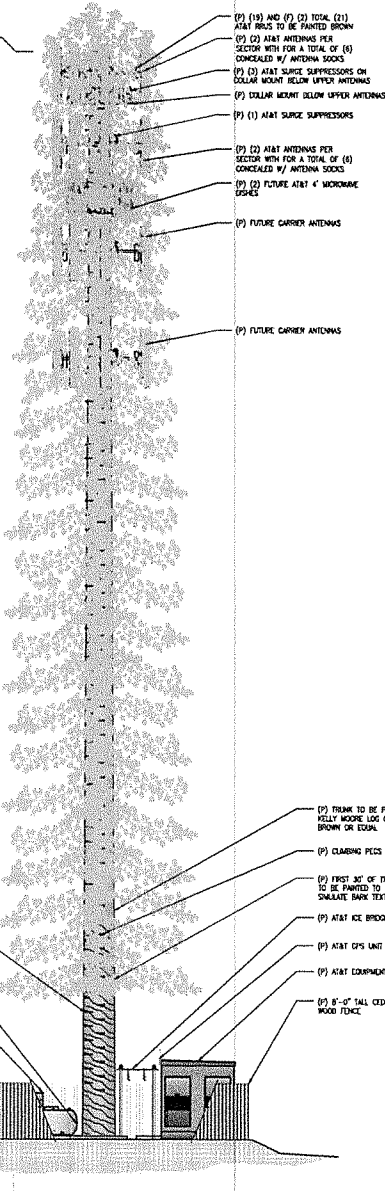
↑ (P) AT&T ANTENNA AND CENTER
± EL. 140' AGL

↑ (P) FUTURE AT&T MONOPINE CENTER LINE
± EL. 132.5' AGL

↑ (P) FUTURE CARRIER AND CENTER
± EL. 125' AGL

↑ (P) FUTURE CARRIER AND CENTER
± EL. 110' AGL

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"

↑ (P) TOP OF MONOPINE BRANCHES
± EL. 160' AGL

↑ (P) TOP OF MONOPINE STEEL
± EL. 153' AGL

↑ (P) AT&T ANTENNA AND CENTER = 150'-0"
± EL. 150' AGL

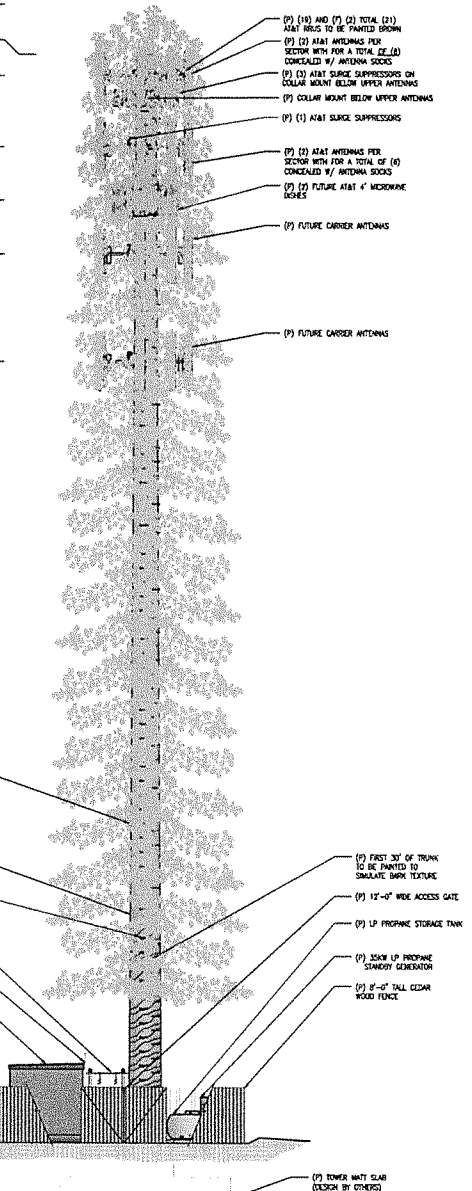
↑ (P) AT&T ANTENNA AND CENTER
± EL. 140' AGL

↑ (P) FUTURE AT&T MONOPINE CENTER LINE
± EL. 132.5' AGL

↑ (P) FUTURE CARRIER AND CENTER
± EL. 125' AGL

↑ (P) FUTURE CARRIER AND CENTER
± EL. 110' AGL

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

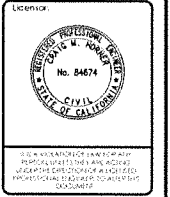
Issued For
TIGER LILY
5411 VICTORY MINE ROAD
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2600 Camino Ramon, #W455014
San Ramon, California 94563



AT&T SITE NO: CVL03436
PROJECT NO: 13787577
DRAWN BY: CES
CHECKED BY: CES

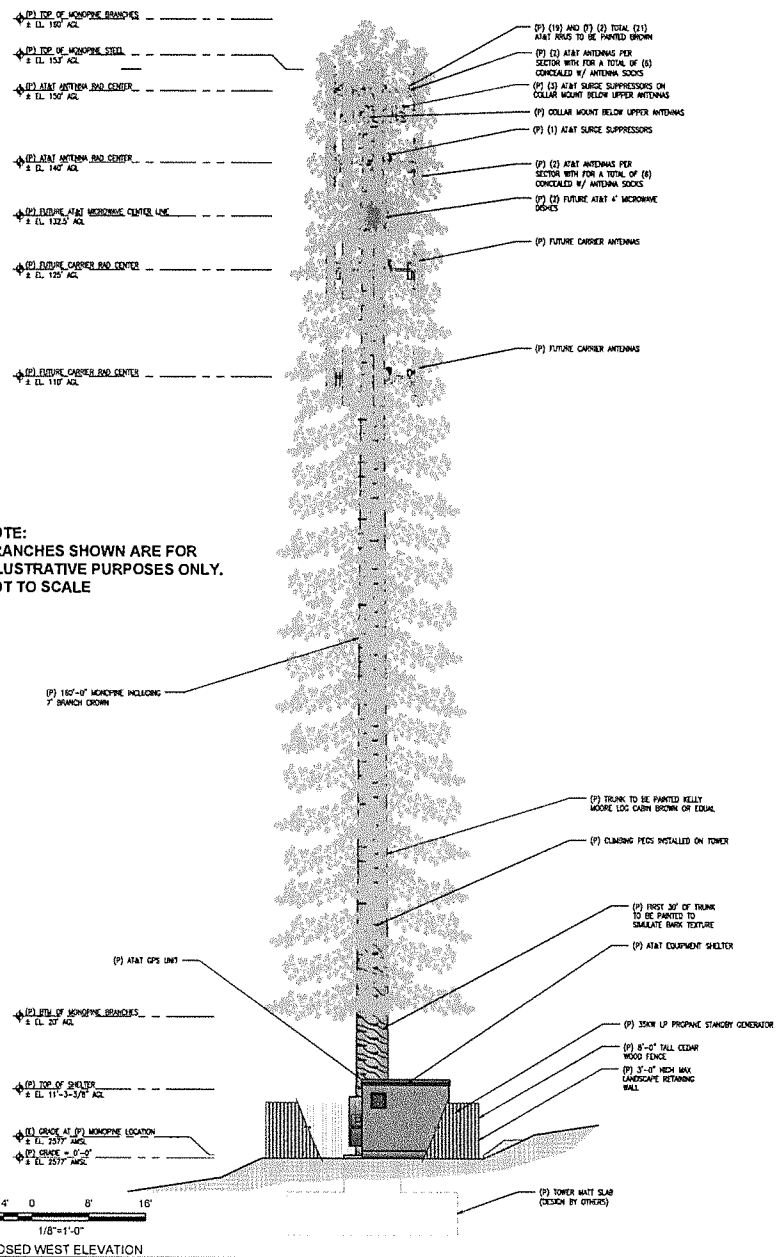
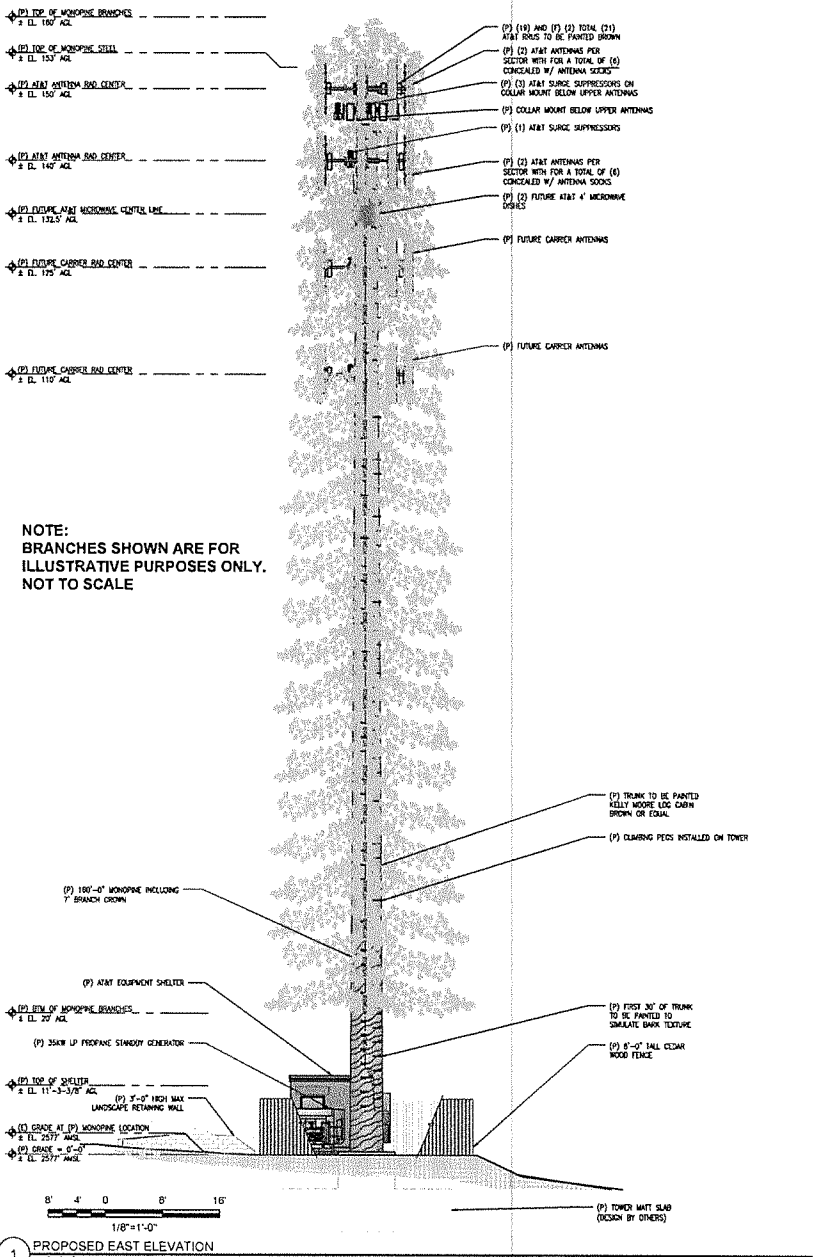
ID	DESCRIPTION	DATE
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2	Issue 2	08/20/12
3	Issue 3	08/20/12
4	Issue 4	08/20/12
5	Issue 5	08/20/12
6	Issue 6	08/20/12
7	Issue 7	08/20/12
8	Issue 8	08/20/12
9	Issue 9	08/20/12
10	Issue 10	08/20/12



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SHEET TITLE:
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4



Issued For:

TIGER LILY
5411 VICTORY MINE ROAD
PLACERVILLE, CA 95667

PREPARED FOR:

at&t
2600 Camino Ramon, #W55014
San Ramon, California 94583

AT&T SITE ID: C-VI03436
PROJECT NO: 13787577
DRAWN BY: CES
CHECKED BY: CES

ID	REVISION	DATE
1	ISSUED	12/15/11
2	REVISION	12/15/11
3	REVISION	12/15/11

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craighorner@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE WEST - EAST ELEVATION

SHEET NUMBER:
A-4.1

SITE TYPE: MONOPINE/SHELTER

Site 3-Exhibit G

Existing




Proposed



view from Victory Mine Road looking south at site

AdvanceSim
CONTACT (925) 202-8507

 **AT&T Wireless**

CSLD3438 Tigo Lily
3411 Victory Mine Road, Placerville, CA
Photonia Produced on: 4-14-2017

Contact (925) 202-8507

Existing




Proposed



view from Nashville Trail looking west at site

AdvanceSim
Engineering & Construction Solutions

Contact: (925) 202-8307

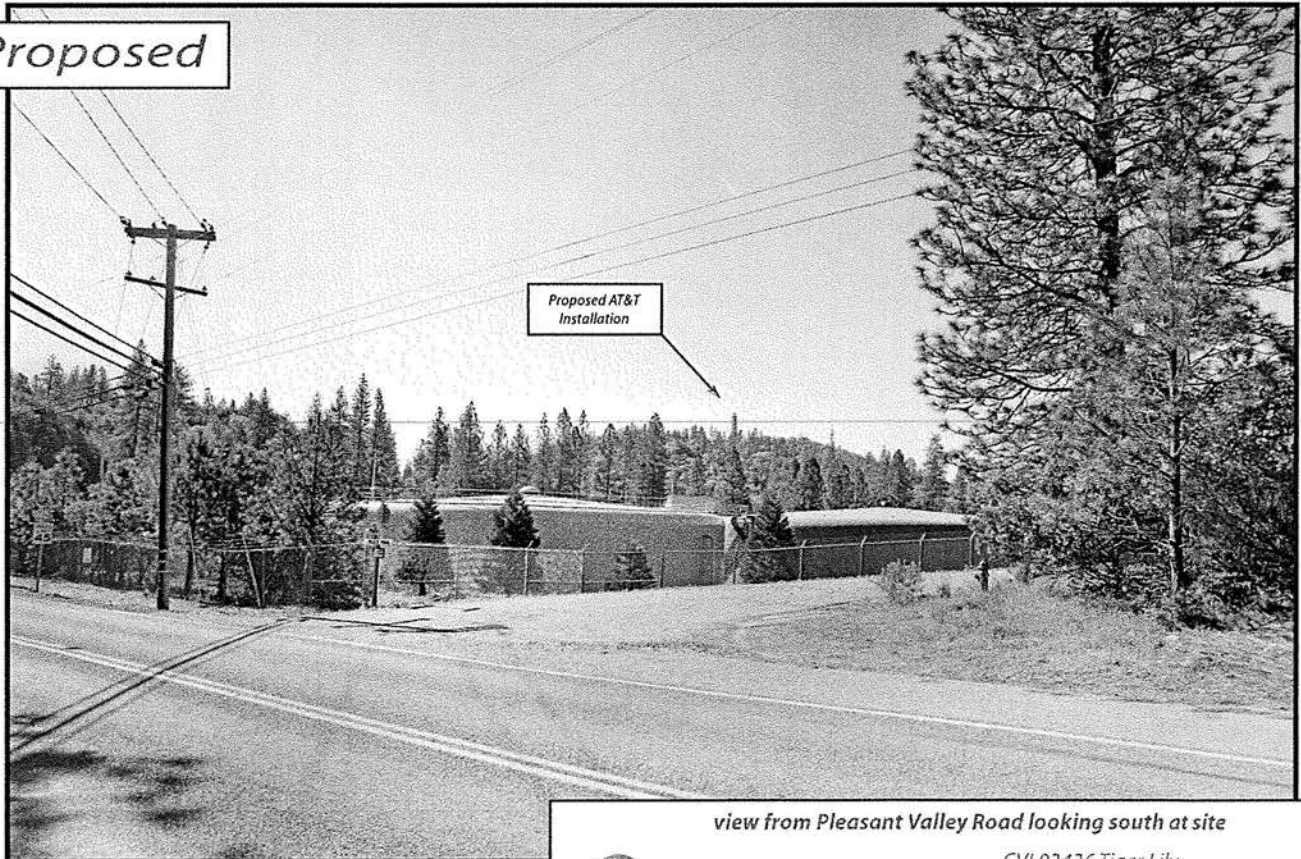
 **AT&T Wireless**

0102436 Tiger Lily
5411 Victory Mine Road, Placerville, CA
Photogram Produced on 4-14-2017

Existing



Proposed



view from Pleasant Valley Road looking south at site



AT&T Wireless

CVL03436 Tiger Lily

5411 Victory Mine Road, Placerville, CA

Photosims Produced on 4-14-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



Proposed



view from Mendocino Exchange Road looking southwest at site

AdvanceSite
PROFESSIONAL SITE ANALYSIS

Contact (925) 202-8507



AT&T Wireless

*CYLO3436 Tiger Lily
3411 Victory Mine Road, Placerville, CA
Photos are Produced on 4-14-2017*

COURTESY Tiger Lily

5411 Victory Blinn Road, Nicasioville, CA
Photomaps Provided on 6-16-2017

AT&T Wireless



Advancesim
Photo Simulation Solutions
Contact (925) 282-8507

Shot Point Map

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 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 24,386 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 0.2275% of the FCC General Population limits (0.0455% 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 0.2820% of the FCC General Population limits (0.0564% 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 0.0125% of the FCC General Population limits (0.0025% 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.

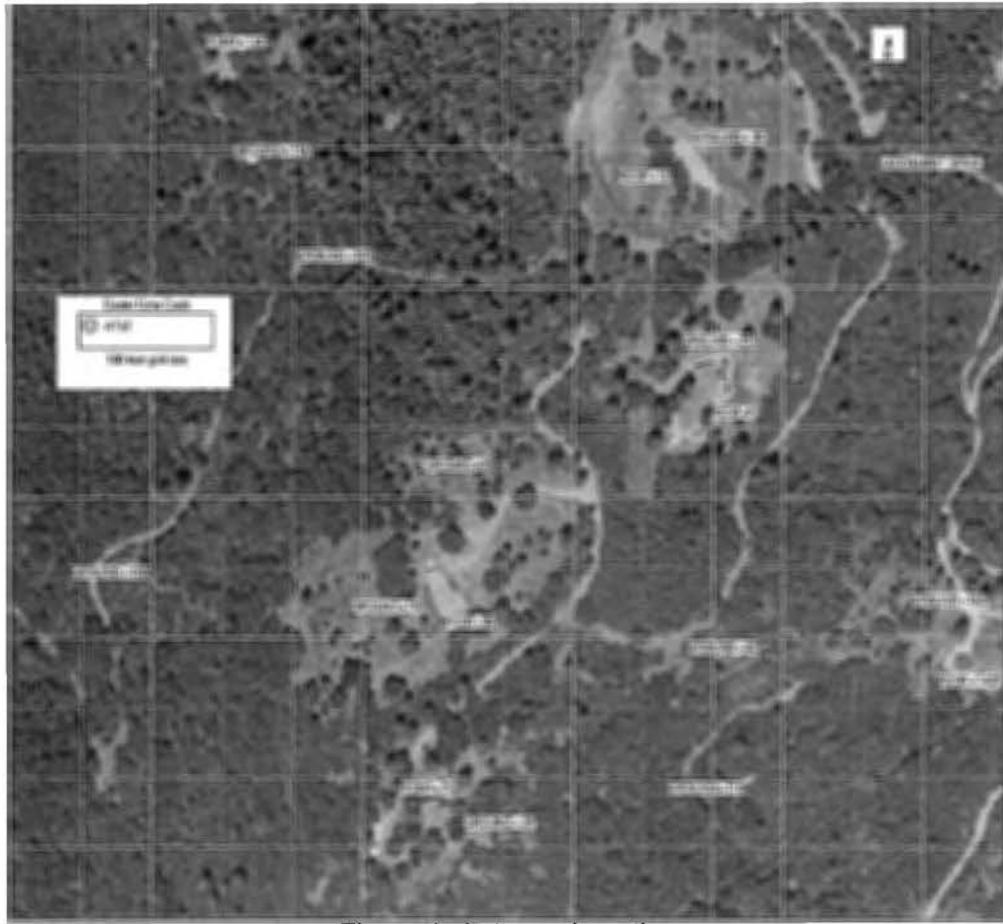


Figure 1: Antenna Locations

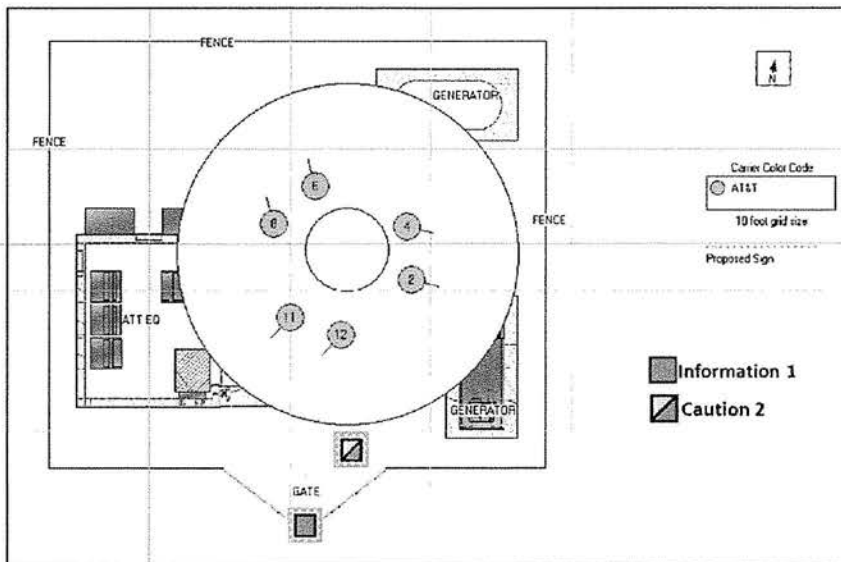


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 5411 Victory Mine 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 monopine 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.



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 WIRES 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 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.

FIBER ROLL NOTES:

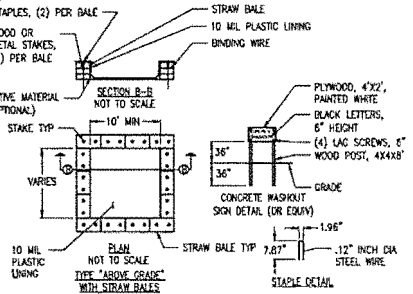
- REPAIR OR REPLACE SPILT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' D.C. PARALLEL TO (E) CONTAINERS.
- INSPECT FIBER ROLLS WHEN RAIN IS FORECAST. DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL, FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT 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 GRADING 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:

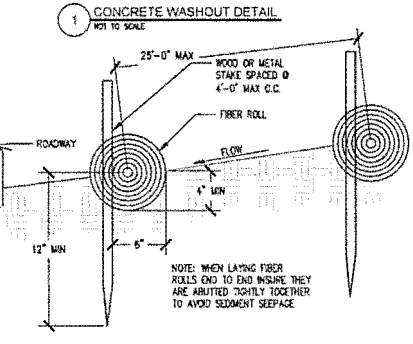
- THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES 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 BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROPER 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 COMMERCIALY PREPARED ACCESS. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS. ALL CONSTRUCTION EQUIPMENT 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 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 OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP PRESSING, 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 BERMS. 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 DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS, MA CURB AND CUTTER. 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 BERMS. DO NOT ALLOW WHEELS FUELING OF EQUIPMENT. PROMOTE EQUIPMENT WITH DMP PANS. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A WINDROW. 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 CONTAINERS. 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 DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
- 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 ENSURE 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 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:

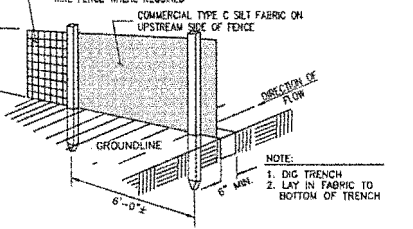
- CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE MOUNTAIN OF WORK. THIS INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS ON PRIVATE PROPERTY.
- CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/ACCESS FROM PROJECT 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 CUTTERS. 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, CUTTERS 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 UTTER 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.



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

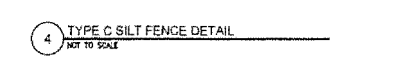


NOTE: WHEN LAYING FIBER ROLLS END TO END INSURE THEY ARE ABUTTED TIGHTLY TOGETHER TO AVOID SEDIMENT SEEPAGE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FENCE: WOVEN WIRE, 14 GA 6" MAX. MESH OPENING. AS DIRECTED BY MARLAND DCR
- 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.
- STEEL EITHER T OR U TYPE OR 4" HARDWOOD. MINIMUM LENGTH - 5 FEET
- FILTER CLOTH: FILTER X, MIRAFI 100X STABILIZING T140N OR APPROVED EQUAL.
- PREFABRICATED UNIT, GEOTAB, ENTROPYFENCE OR APPROVED EQUAL.



PROJECT FOR:
BALDERSON STATION
 8135 WILD HORSE TRAIL
 GEORGETOWN, CA
 95634

PREPARED FOR

 2600 Capitol Mall, MSB512
 San Antonio, California 78205

PROJECT NO. C-VL00952
 PROJECT MS: 13787686
 DRAWN BY: CES
 CHECKED BY: CES

DATE: 7/2/2015
 TIME: 10:00 AM
 SCALE: AS SHOWN
 SHEET NO. 10 OF 10
 PROJECT NO. C-VL00952

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 No. 84274
 STATE OF CALIFORNIA

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

SHEET TITLE:
EROSION CONTROL NOTES

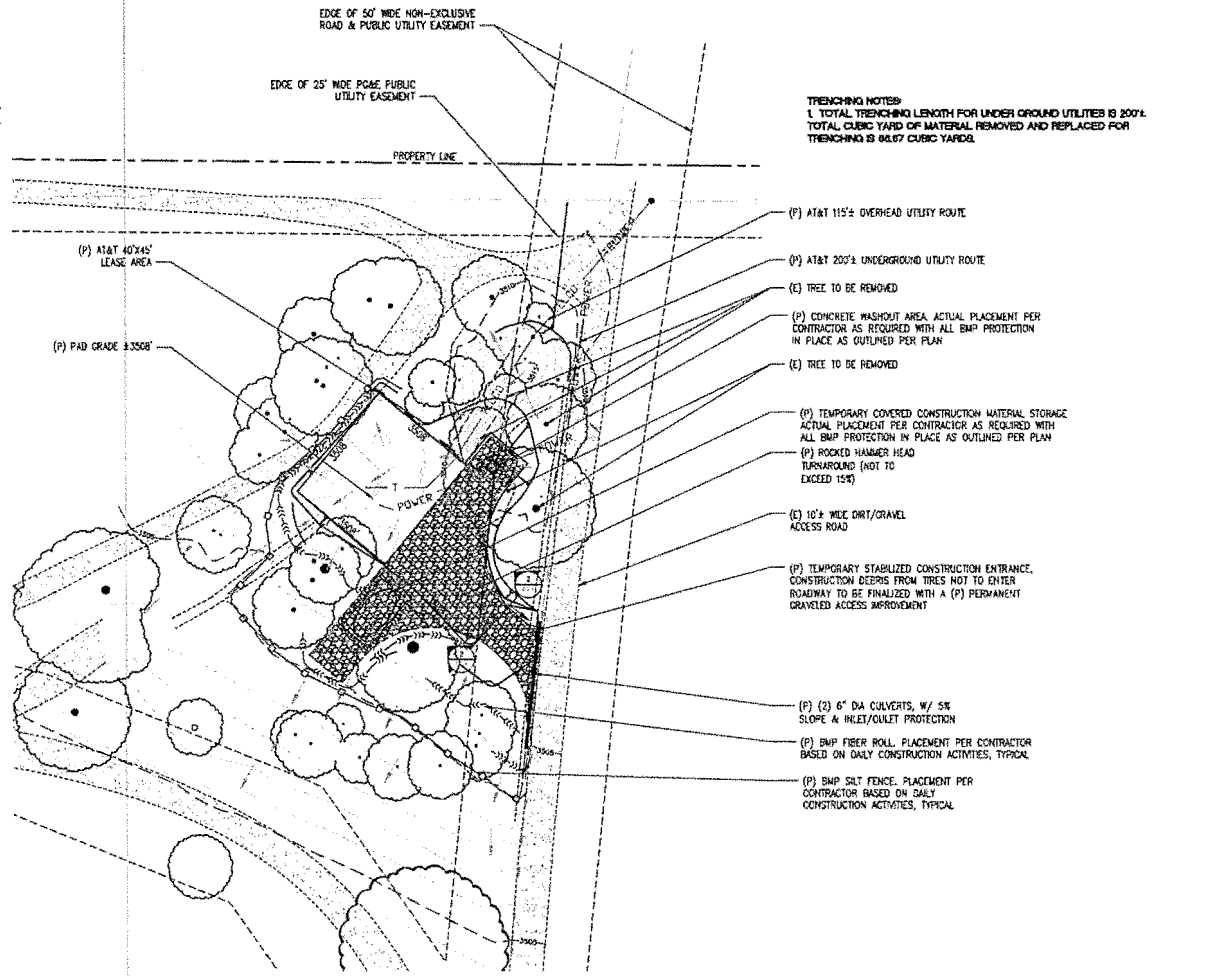
SHEET NUMBER:
C-2

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

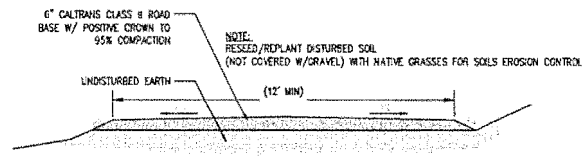
- USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
- GRAVEL BAGS WITH FIBER ROLLS AND SILT BARRIER AS NEEDED AND/OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINANTS. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE FRONT 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) 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 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.

LEGEND

- (E) EXISTING
- (N) PROPOSED
- (S) FLOW LINE
- (D) FLOW LINE
- (O) FIBER ROLL
- (X) SILT FENCE

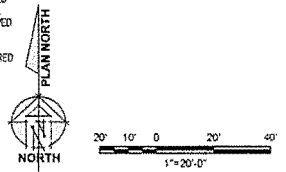


TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 2074'.
TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 88.67 CUBIC YARDS.



**2 ACCESS ROAD DETAIL
NET TO SCALE**

SITE TYPE: MONOPINE/SHELTER



**1 GRADING PLAN
1\"/>**

Prepared For
BALDERSON STATION
8135 WILD HORSE TRAIL
GEORGETOWN, CA
95634

PREPARED FOR
at&t
2600 Campus Parkway, #1800
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SHEET NO: CV100092
PROJECT NO: 13787466
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
Craig Horner
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SACRAMENTO, CA 95811
TEL: 916.486.1111 FAX: 916.486.1112
WWW.CRAIGHORNER.COM

Engineer:
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ENGINEERING**
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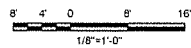
SHEET TITLE:
**GRADING PLAN
AND DETAILS**

SHEET NUMBER:
C-2.1

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

- (1) TOP OF MONOPINE BRANCHES
± E.L. 120' AGL
- (1) TOP OF MONOPINE STEEL
± E.L. 120' AGL
- (1) FUTURE AT&T MONOPINE CENTER LINE
± E.L. 120' AGL
- (1) AT&T ANTENNA H&L CENTER
± E.L. 110' AGL
- (1) AT&T ANTENNA H&L CENTER
± E.L. 100' AGL
- (1) FUTURE CARRIER AND CENTER
± E.L. 85' AGL

- (P) 130'-0" MONOPINE INCLUDING 10' BRANCH DOWN
- (P) AT&T ICE BRIDGE
- (P) 132'-0" WIDE ACCESS GATE
- (P) AT&T GPS UNIT
- (P) 200AMP METER ON H-FRAME
- (1) TOP OF MONOPINE BRANCHES
± E.L. 120' AGL
- (P) AT&T EQUIPMENT SHELTER
- (P) 20KW LP PROPANE STANDBY GENERATOR
- (1) TOP OF SHELTER
± E.L. 35'-3 1/2" AGL
- (1) GRADE AT (P) TOWER LOCATION
± E.L. 35'-0" AGL
- (1) GRADE = 6'-0" ± E.L. 35'-0" AGL
- (P) TRUNK TO BE PAINTED KELLY MOORE LOG CABN BROWN OR EQUAL
- (P) CLIMBING PEGS INSTALLED ON TOWER
- (P) WOOD POLE FOR OVERHEAD TELCO DROP
- (P) LP PROPANE STORAGE TANK
- (P) 8'-0" TALL CHAIN LINK FENCE W/ 3 STRAND ANTI CLIMB BARRIER
- (P) TOWER WALK SLAB (DESIGN BY OTHERS)

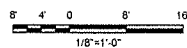


1 PROPOSED EAST ELEVATION
1/8"=1'-0"

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

- (1) TOP OF MONOPINE BRANCHES
± E.L. 120' AGL
- (1) TOP OF MONOPINE STEEL
± E.L. 120' AGL
- (1) FUTURE AT&T MONOPINE CENTER LINE
± E.L. 120' AGL
- (1) AT&T ANTENNA H&L CENTER
± E.L. 110' AGL
- (1) AT&T ANTENNA H&L CENTER
± E.L. 100' AGL
- (1) FUTURE CARRIER AND CENTER
± E.L. 85' AGL

- (P) 130'-0" MONOPINE INCLUDING 10' BRANCH DOWN
- (P) WOOD POLE FOR OVERHEAD TELCO DROP
- (P) LP PROPANE STORAGE TANK
- (1) TOP OF MONOPINE BRANCHES
± E.L. 120' AGL
- (1) GRADE AT (P) TOWER LOCATION
± E.L. 35'-3 1/2" AGL
- (1) GRADE = 6'-0" ± E.L. 35'-0" AGL
- (P) TRUNK TO BE PAINTED KELLY MOORE LOG CABN BROWN OR EQUAL
- (P) CLIMBING PEGS INSTALLED ON TOWER
- (P) AT&T ICE BRIDGE
- (P) AT&T GPS UNIT
- (P) AT&T EQUIPMENT SHELTER
- (P) 8'-0" TALL CHAIN LINK FENCE W/ 3 STRAND ANTI CLIMB BARRIER
- (P) TOWER WALK SLAB (DESIGN BY OTHERS)

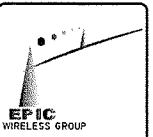


2 PROPOSED WEST ELEVATION
1/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

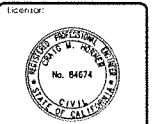
Issued For:
BALDERSON STATION
8135 WILD HORSE TRAIL
GEORGETOWN, CA
95634

PREPARED FOR
at&t
2600 Camino Ramon, #W65211
San Ramon, California 94583



AT&T SITE NO: CVL00892
PROJECT NO: 13787686
DRAWN BY: CES
CHECKED BY: CES

REV	DATE	DESCRIPTION



Professional Engineer and Architect
CRAIG HOMER, PE & ARCHITECT
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CRAIGHOMER@YAHOO.COM

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Homer, PE 84674
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SACRAMENTO, CA 95821
craighomer@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE
WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

view from Kentucky Flat Road looking northwest at site



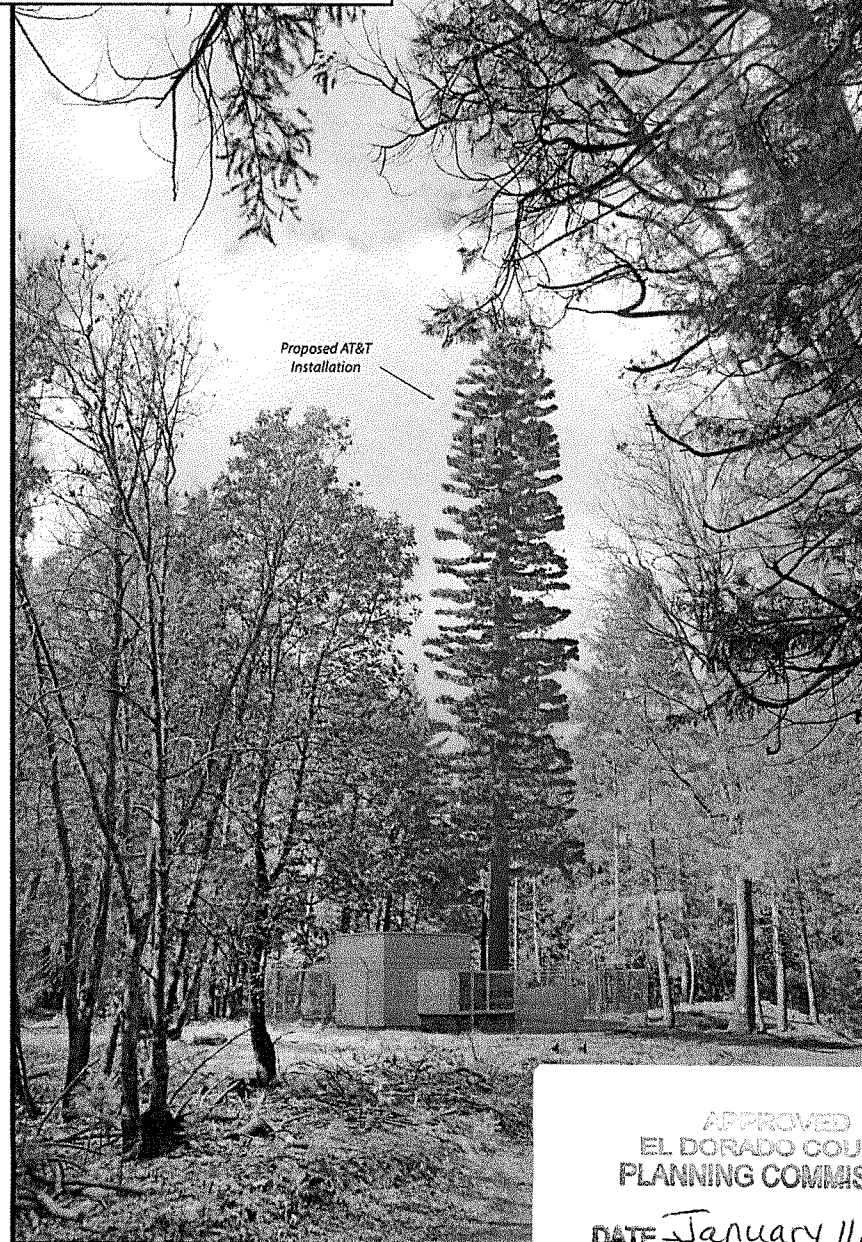
AT&T Wireless

CVL00892 Balderson Station
8135 Wild Horse Trail, Georgetown, CA
Photosims Produced on 3-29-2017

Existing



Proposed



Proposed AT&T
Installation

Site 4-Exhibit G

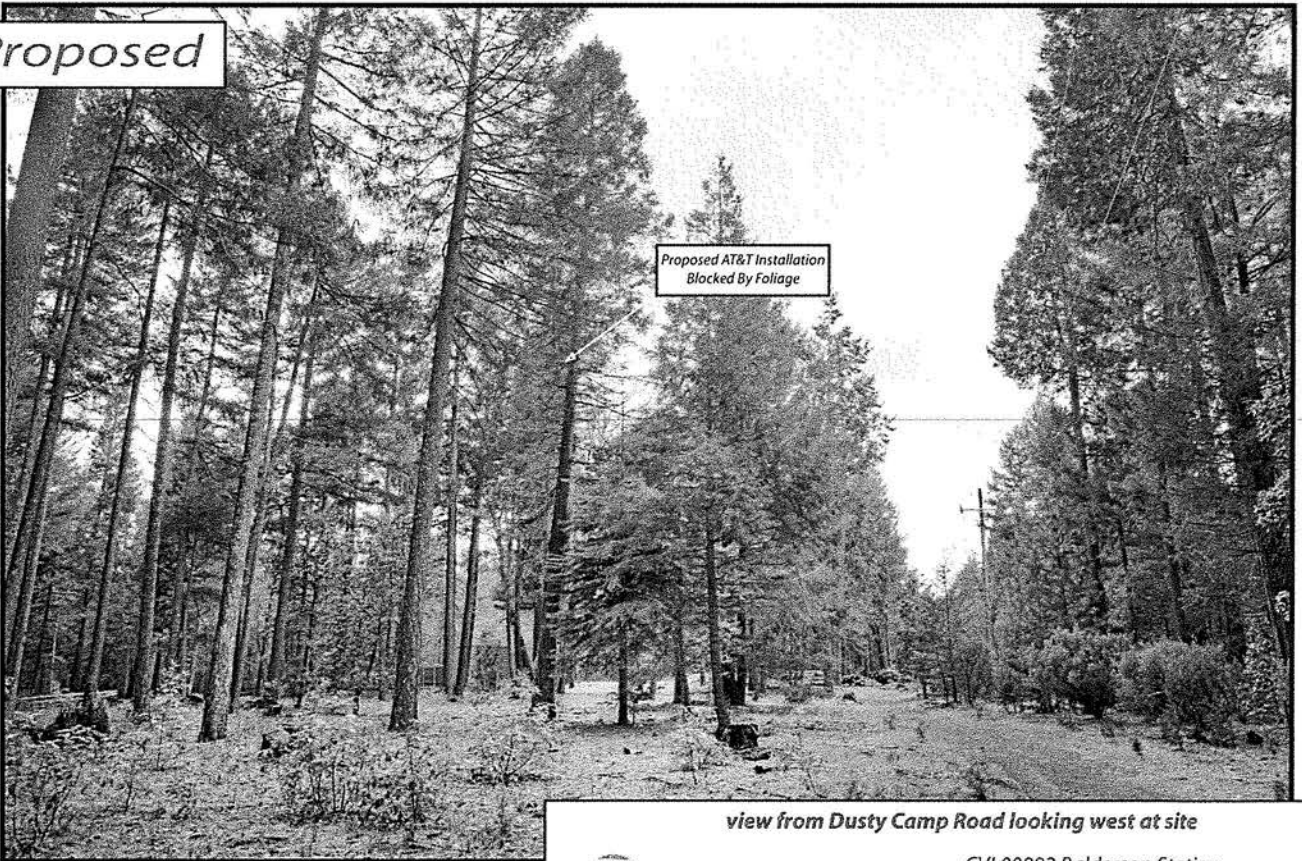
AdvanceSim 
Photo Simulation Solutions
Contact (925) 202-8507

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 11, 2018
BY Roger Trout /ds
EXECUTIVE SECRETARY

Existing



Proposed



Proposed AT&T Installation
Blocked By Foliage

view from Dusty Camp Road looking west at site



Existing



Proposed




Proposed AT&T Antenna Tower Location
Marked by foliage

view from Wild Horse Trail looking east at site

AdvanceSim
SIMULATION SOFTWARE

Contact (925) 202-8507

 **AT&T Wireless**

CVL010952 Bellman Station
8125 Wild Horse Trail, Georgetown, CA
Photos/ins Produced on 3-29-2017

Existing




Proposed



view from Kentucky Flat Road looking northwest at site

AdvanceSim
Survey, Simulation & Services

Contact: 925.326.8507

 **AT&T Wireless**

CVL00092 Bullerson Station
8125 Wild Horse Trail, Georgetown, CA
Photos/ins Produced on 3-29-2017



CVL00892 Balderson Station
8135 Wild Horse Trail, Georgetown, CA
Photosims Produced on 3-29-2017



DATE January 11, 2018

BY Roger Trout/dce
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Balderson Station	Site Structure Type: Monopine
Address: 8135 Wild Horse Trail Georgetown, CA	Latitude: 38.96934
Report Date: March 30, 2017	Longitude: -120.73973
	Project: New Build

General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Balderson Station site located at 8135 Wild Horse Trail, Georgetown, CA. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure ("MPE") limits. At any location at this site, the power density resulting from each transmitter may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. 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)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm ²)	Averaging Time (minutes)	Power Density (mW/cm ²)	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

f=Frequency (MHz)

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

Site 4-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:

- Install twelve (12) new panel antennas, four (4) per sector
- Install twenty (20) new RRUs remote radio heads

The antennas will be mounted on a new 130-foot monopine with centerlines at 110 and 100 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 24,767 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 0.7805% of the FCC General Population limits 0.1561% 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 0.3560% of the FCC General Population limits 0.0712% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

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

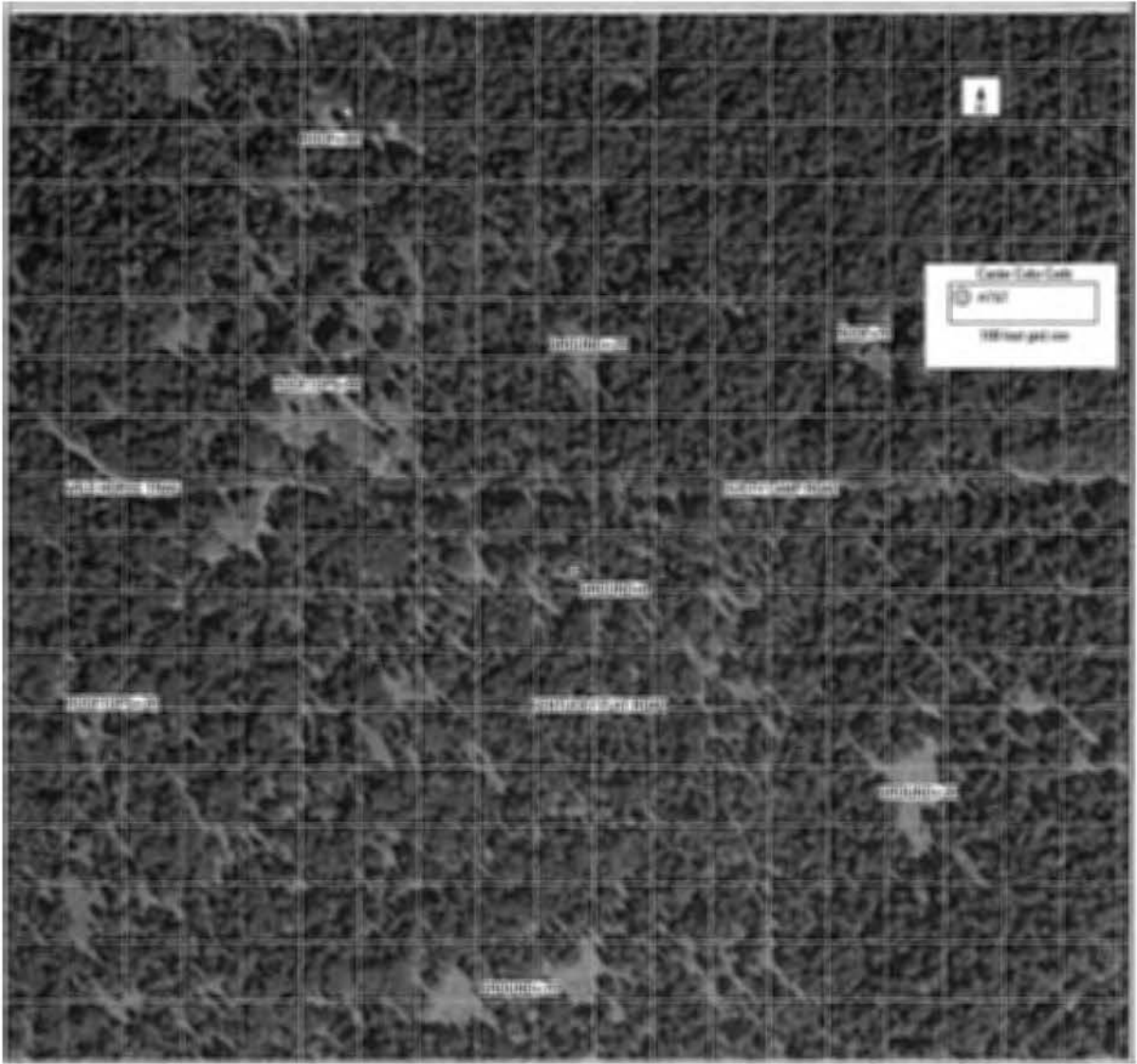


Figure 1: Antenna Locations

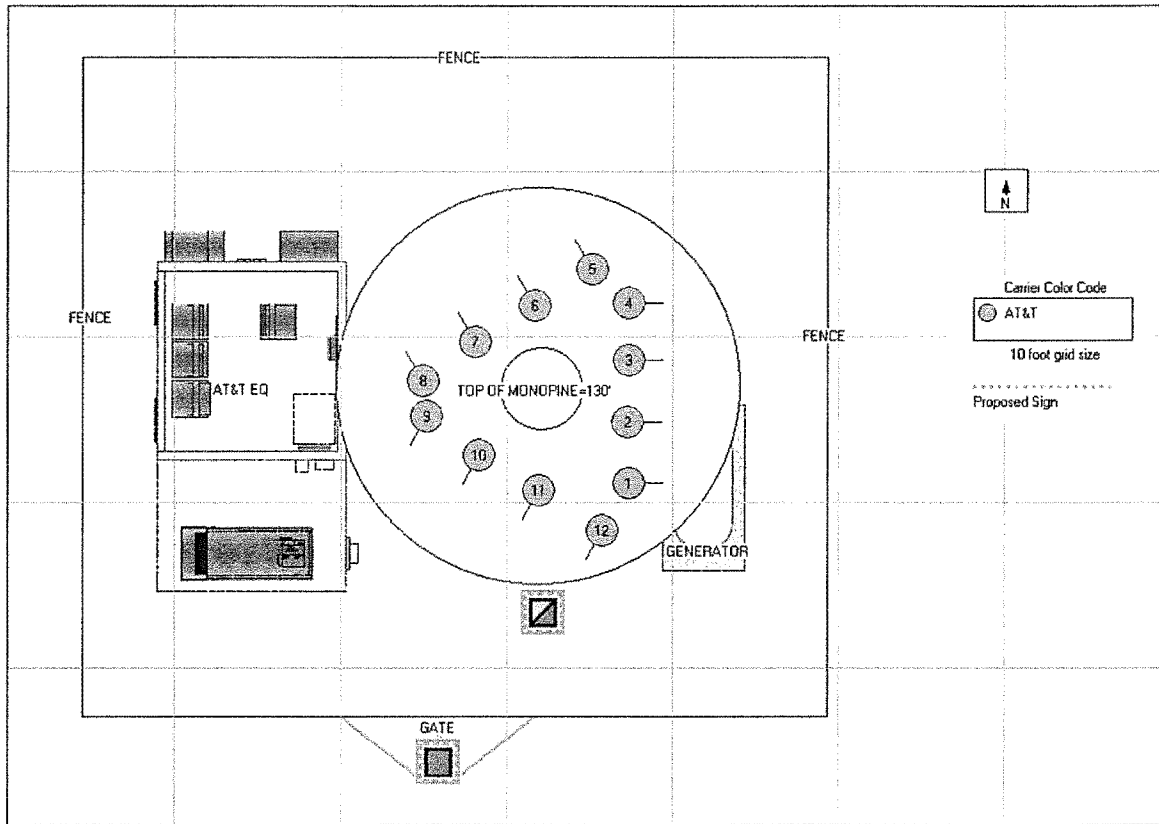


Figure 2: Mitigation Recommendations

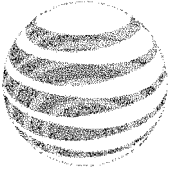
Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 8135 Wild Horse Trail, Georgetown, CA will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the monopine to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

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





at&t

SITE NUMBER: CVL03174

SITE NAME: PILOT HILL

4822 SALMON FALLS ROAD
PILOT HILL, CA 95664

JURISDICTION: ELDORADO COUNTY

SITE TYPE: BROADLEAF TOWER/SHELTER

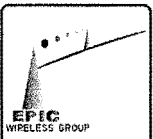
Issued For:

PILOT HILL
4822 SALMON FALLS
ROAD
PILOT HILL, CA 95664

PREPARED FOR



2460 Camino Ramon, #4855
San Ramon, California 94583



AT&T SITE NO: CVL03174
PROJECT NO: 13767606
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	BY	REVISION
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DATE January 11, 2018
BY Roger Trout/drc
EXECUTIVE SECRETARY

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

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

PROJECT DESCRIPTION

PROJECT INFORMATION

PROJECT TEAM

SHEET INDEX

REV

(N) NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. USING POWER / TELCO / FIBER TO SITE LOCATION
2. OVERHEAD LINE IMPROVEMENT FROM EXISTING OVERHEAD OVERHEAD
3. 30'X30' LEASE AREA
4. INSTALL 7.5' SQUARE CELL BLOC FOUNDATION, TYPICAL OF (19)
5. INSTALL ABET APPROVED PRE-FABRICATED EQUIPMENT SHEETS AND ASSOCIATED INTERIOR EQUIPMENT
6. ADD (1) NEW SITE LIGHT
7. ADD 115'-0" BROADLEAF TOWER
8. ADD (1) ANTENNA (1) PER ALPHA, BETA, GAMMA SECTOR
9. ADD (1) SURT SUPPRESSORS
10. ADD (2) ALUMINUM 4" WINDSHIELD BENCHES
11. ADD 1'-0" HIGH CHAIN LINK FENCE
12. ADD 300W LP FIBER GENERATOR
13. ADD 500 GAL LP FIBER STORAGE TANK

PROPERTY INFORMATION:
SITE NAME: PILOT HILL
SITE NUMBER: CVL03174
SEARCH RING: PILOT HILL FA# 13787606
SITE ADDRESS: 4822 SALMON FALLS ROAD
PILOT HILL, CA 95664
A.P.N. NUMBER: 104-070-04
CURRENT USE: SINGLE FAMILY RESIDENTIAL,
RURAL, RESEIDENTIAL
PROPOSED USE: (U) UNMANNED
TELECOMMUNICATION FACILITY
JURISDICTION: ELDORADO COUNTY
LATITUDE: N 38° 49' 35.86"
LONGITUDE: W 121° 01' 01.40"
GROUND ELEVATION: ± 1108.1 FT. AMSL

PROPERTY OWNER:
PASTOR LAND DEVELOPMENT INC.
8844 FARRO LN.
GRANITE HAY, CA
POWER AGENCY:
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000
TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

APPLICANT/LESSEE:
AT&T
3001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
RF ENGINEER:
AT&T CONTACT: ALEXANDER HERRON
916-484-2324
EMAIL: AH48909US@AT.COM
PROJECT MGR:
EPIC WIRELESS
CONTACT: NICK TACAS
EMAIL: NICK.TACAS@EPICWIRELESS.NET
PH: (916) 930-1416
SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSELEY (ZONING MGR.)
EMAIL: JARED.KEARSELEY@EPICWIRELESS.NET
CELL: (916) 755-1326
CONSTRUCTION MGR:
COMPANY: EPIC WIRELESS
CONTACT: PETE WANNING
EMAIL: PETE.WANNING@EPICWIRELESS.NET
PH: (530) 363-5957

A/E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SILVESTER
CARLSILVEST@EPICWIRELESS.NET
PH: (530) 933-2763
ARCHITECT/ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HOMER, PE 84674
EMAIL: CRAIG.HOMER@ADREA.COM
PH: (214) 407-3184
CIVIL VENDOR:
VINCELANE CM
CONTACT: BEN ABEL
EMAIL: BABEL@VINCELANE.COM
PH: (916) 844-8802

NO.	DESCRIPTION
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 AND SITE PLAN - EXTERIOR EQUIPMENT SHELTER
A-1-1	ENLARGED SITE PLAN - EXTERIOR EQUIPMENT SHELTER
A-2	EQUIPMENT AREA PLAN - EXTERIOR EQUIPMENT SHELTER
A-3	ANTENNA PLAN & DETAILS - BROADLEAF TOWER
A-4	PROPOSED BROADLEAF TOWER NORTH - SOUTH ELEVATION
A-4-1	PROPOSED BROADLEAF TOWER WEST - EAST ELEVATION

CODE COMPLIANCE

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

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

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

OCCUPANCY AND CONSTRUCTION TYPE

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

VICINITY MAP



SPECIAL INSPECTIONS

DIRECTIONS FROM AT&T

- DIRECTIONS FROM AT&T'S OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA
1. GET ON I-880 N FROM CAMINO RAMON AND ROLLINER CANYON RD 3 MI (1.0 MI)
 2. HEAD SOUTHWEST ON CAMINO RAMON TOWARD BRISQ RD 0.2 MI
 3. CONTINUE STRAIGHT TO STOP ON CAMINO RAMON 0.1 MI
 4. TURN RIGHT ONTO ROLLINER CANYON RD 0.4 MI
 5. USE THE RIGHT LANE TO MERGE ONTO I-880 N IN THE RAMP TO SACRAMENTO 0.3 MI
 6. FOLLOW I-880 N TO E AND US-50 E TO LAROSE RD IN EL DORADO HILLS TAKE EXIT 309 FROM US-50 E 1.1 MI 30 WEST (107 MI)
 7. MERGE ONTO I-880 N 104.8 MI
 8. KEEP LEFT TO STAY ON I-880 N 5.2 MI
 9. KEEP LEFT AT THE FORK TO STAY ON I-880 N PARTIAL TOLL ROAD 3.9 MI
 10. KEEP LEFT AT THE FORK TO CONTINUE ON I-880 PARTIAL TOLL ROAD 14.4 MI
 11. USE ANY LANE TO TAKE EXIT TIA TOWARD I-880 W/SACRAMENTO 0.4 MI
 12. MERGE ONTO I-880 E 23.6 MI
 13. KEEP LEFT AT THE FORK TO STAY ON I-880 E 122 MI
 14. KEEP LEFT AT THE FORK TO CONTINUE ON I-880 E/SO CALIFORNIA CITY FREEWAY, FOLLOW SIGN TOWARD INTERSTATE 50 BUSINESS/SANRAMON/SAVATH LAKE 0.2 MI
 15. CONTINUE ONTO US-50 E 24.3 MI
 16. TAKE EXIT 308 TOWARD EL DORADO HILLS BLVD 0.3 MI
 17. RAMP TO SALMON FALLS RD 0.2 MI (143 MI)
 18. MERGE ONTO LAROSE RD 37.4 FT
 19. CONTINUE ONTO EL DORADO HILLS BLVD 4.2 MI
 20. CONTINUE ONTO SALMON FALLS RD 0.5 MI
- 4822 SALMON FALLS RD
PILOT HILL, CA 95664

APPROVALS

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

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

DATE January 11, 2018
BY Roger Trout/drc
EXECUTIVE SECRETARY

Site 5-Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS
THESE DRAWINGS ARE PREPARED TO BE FULL SIZE AT 3/4" = 1'-0". CONTRACTOR SHALL VERIFY ALL PLANS AND LISTING DIMENSIONS AND CONDITIONS ON THE JOBITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MAKEING CHANGES OR BE RESPONSIBLE FOR THE SAME.



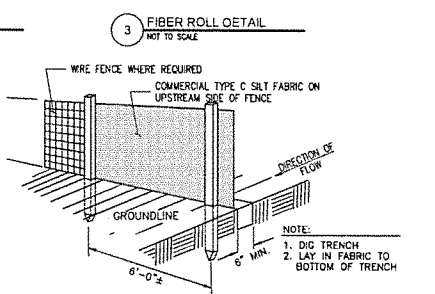
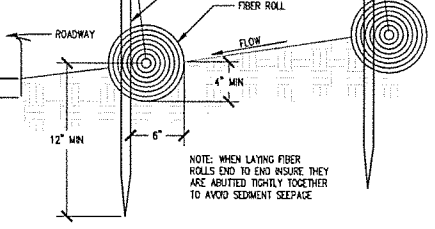
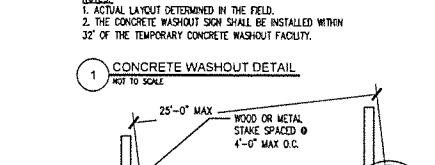
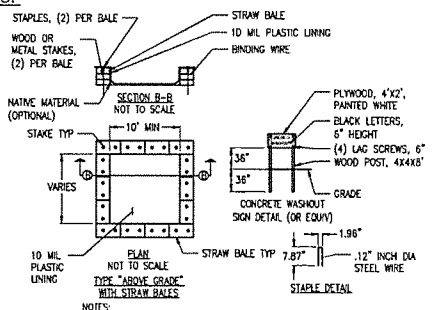
BEST MANAGEMENT PRACTICES "BMP" TABLE			
BEST MANAGEMENT PRACTICES	LOCATION	SCHEDULE IMPLEMENTATION	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING 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 DIMES 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 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 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.

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 BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROTECT 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 COMMERCIAL 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 SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY (OR AS NECESSARY) FOR THE LOCAL REQUIREMENTS.
- 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, STORM 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 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 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.

STORM WATER QUALITY NOTES:

- CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE WADSWORTH WADSWORTH. 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/EGRESS 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 MISCANOE 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.



FIBER ROLL NOTES:

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

ISSUED FOR
PILOT HILL
4822 SALMON FALLS ROAD
PILOT HILL, CA 95664

PREPARED FOR
at&t
2600 Camino Ramon, #W5014
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: CW103174
PROJECT NO: 13787606
DRAWN BY: CES
CHECKED BY: CES

NO.	REVISION	DATE
1	ISSUED FOR PERMITS	7/24/15
2	ISSUED FOR PERMITS	7/24/15
3	ISSUED FOR PERMITS	7/24/15
4	ISSUED FOR PERMITS	7/24/15
5	ISSUED FOR PERMITS	7/24/15
6	ISSUED FOR PERMITS	7/24/15
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28	ISSUED FOR PERMITS	7/24/15
29	ISSUED FOR PERMITS	7/24/15
30	ISSUED FOR PERMITS	7/24/15

LICENSOR:
CITY OF CALIFORNIA
No. 84674
CITY OF CALIFORNIA

ENGINEER:
ADAPTIVE RE-USE ENGINEERING
Craig Haines, PE 84674
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighaines@yahoo.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 BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF 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.
3. ANY AND ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
4. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE, STUCCO WASHOUT SHALL BE ON SITE AT ALL TIMES CONTRACTOR TO FIELD VERIFY LOCATION AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/WATER CONTAMINANTS.
5. CONTRACTOR TO FIELD IDENTIFY "BMP'S" (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS AND REFER TO CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.
6. INSTALL SEDIMENT LOGS AROUND CONSTRUCTION AREA TO KEEP DEBRIS ON PROPERTY.
7. PLACE GRAVEL BAGS AROUND NEARBY, DOWN STREAM STORM HOLE(S) DURING CONSTRUCTION.
8. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
9. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL.
10. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
11. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.
12. ON-SITE WATER TRUCK MAY BE REQUIRED FOR DUST MITIGATION.

LEGEND

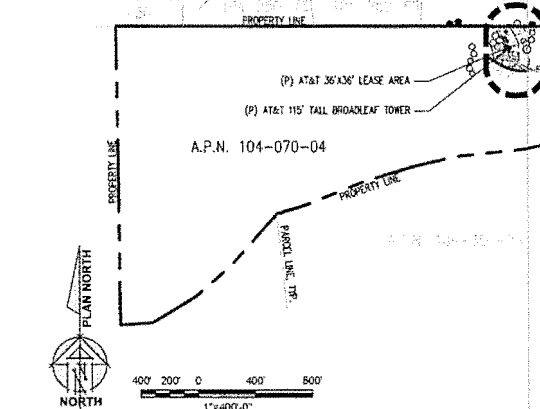
- (E) EXISTING
- (P) PROPOSED
- (E) FLOW LINE
- (P) FLOW LINE
- (E) FIBER ROLL
- (P) SILT FENCE

- (E) AT&T FIBER POE BY AT&T LANDLINE
- (P) 30"x148" SPACE BOX BY AT&T MOBILITY
- (P) 143 1/2" UNDERGROUND UTILITY TRENCHING
- (P) AT&T 5' WIDE UTILITY EASEMENT
- (P) (E) 4" CONDUIT WITH INNERDUCT BY AT&T MOBILITY
- (P) PAD GRADE ±1405'

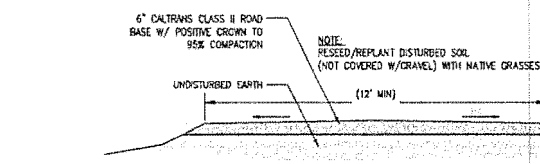
- (P) AT&T GRADING PLAN
- (E) GRAVEL ENTRANCE
- (E) DEVELOPED DRIVEWAY ENTRANCE TO BE MAINTAINED THROUGH (P) CONSTRUCTION PROCESS AND RETURNED TO ORIGINAL GRAVELED CONDITION CONSTRUCTION DEBRIS FROM TIRES NOT TO ENTER ROADWAY
- (P) BMP FIBER ROLL AT TURN OUTS. PLACEMENT PER CONTRACTOR BASED ON DAILY CONSTRUCTION ACTIVITIES, TYPICAL. SEE GRADING PLAN FOR MORE DETAILS

- (P) 30"x148" SPACE BOX BY AT&T MOBILITY
- (E) TREE TO BE REMOVED
- (P) AT&T 36"x36" LEASE AREA
- (E) TREE TO BE REMOVED
- (P) ROCKED HAMMER HEAD TURNDOWN (NOT TO EXCEED 15%)
- (P) GRAVELED ACCESS IMPROVEMENT
- (P) AT&T 15' WIDE ACCESS AND UTILITY EASEMENT
- (P) 139 1/2" UNDERGROUND UTILITY TRENCHING
- (E) 12 1/2" WIDE GRAVEL ACCESS ROAD

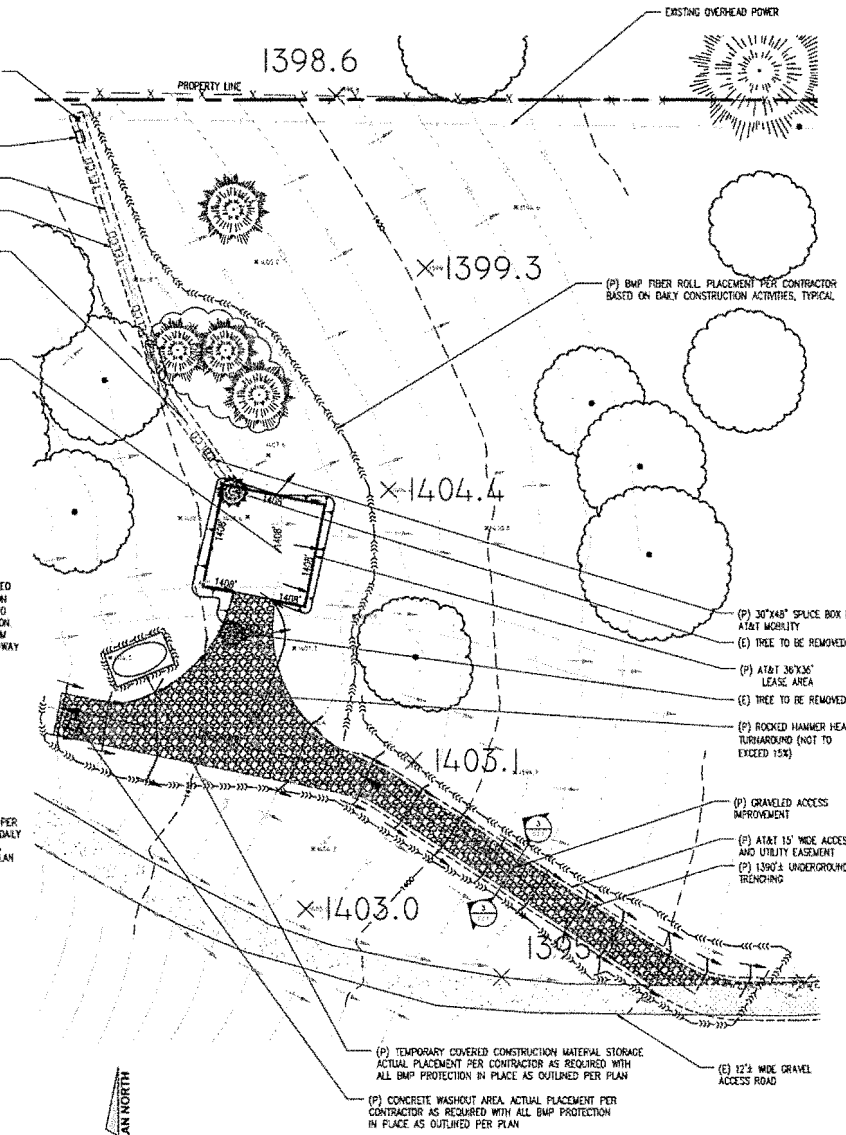
- (P) TEMPORARY COVERED CONSTRUCTION MATERIAL STORAGE. ACTUAL PLACEMENT PER CONTRACTOR AS REQUIRED WITH ALL BMP PROTECTION IN PLACE AS OUTLINED PER PLAN
- (P) CONCRETE WASHOUT AREA. ACTUAL PLACEMENT PER CONTRACTOR AS REQUIRED WITH ALL BMP PROTECTION IN PLACE AS OUTLINED PER PLAN



1 OVERALL GRADING PLAN
1"=400'-0"
SITE TYPE: BROADLEAF TOWER/SHELTER



3 ACCESS ROAD DETAIL
NOT TO SCALE



2 GRADING PLAN
1"=20'-0"
SITE TYPE: BROADLEAF TOWER/SHELTER

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 1390'.
TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 463.00 CUBIC YARDS.

ISSUED FOR:
PILOT HILL
4822 SALMON FALLS ROAD
PILOT HILL, CA 95664

PREPARED FOR:
at&t
2500 Camino Real, #155011
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO: CVL03174
PROJECT NO: 13767606
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	BY	REVISION

LICENSED PROFESSIONAL ENGINEER
ROBERT W. HORN
No. 64874
STATE OF CALIFORNIA

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

SHEET TITLE:
GRADING PLAN AND DETAILS

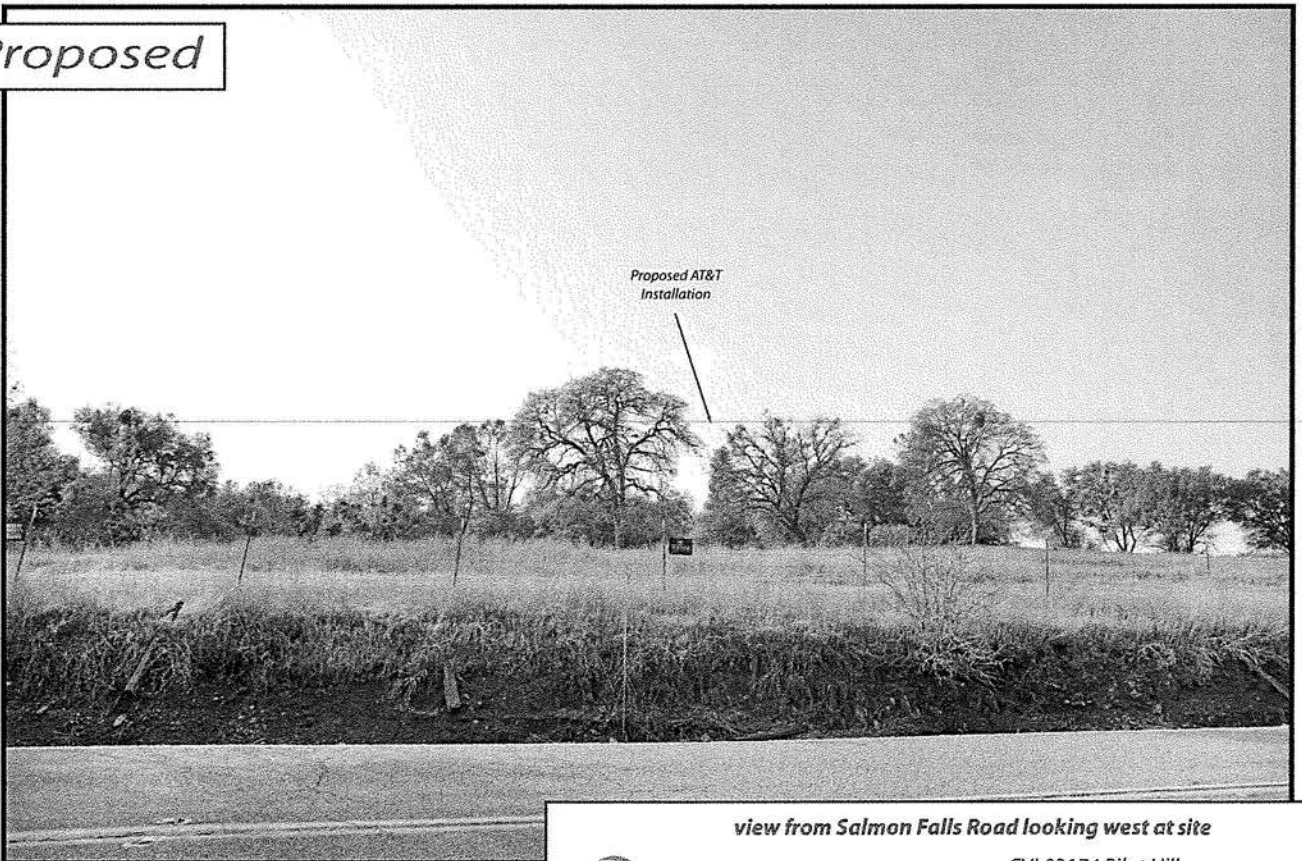
SHEET NUMBER:
C-2.1

Site 5-Exhibit G

Existing



Proposed



view from Salmon Falls Road looking west at site



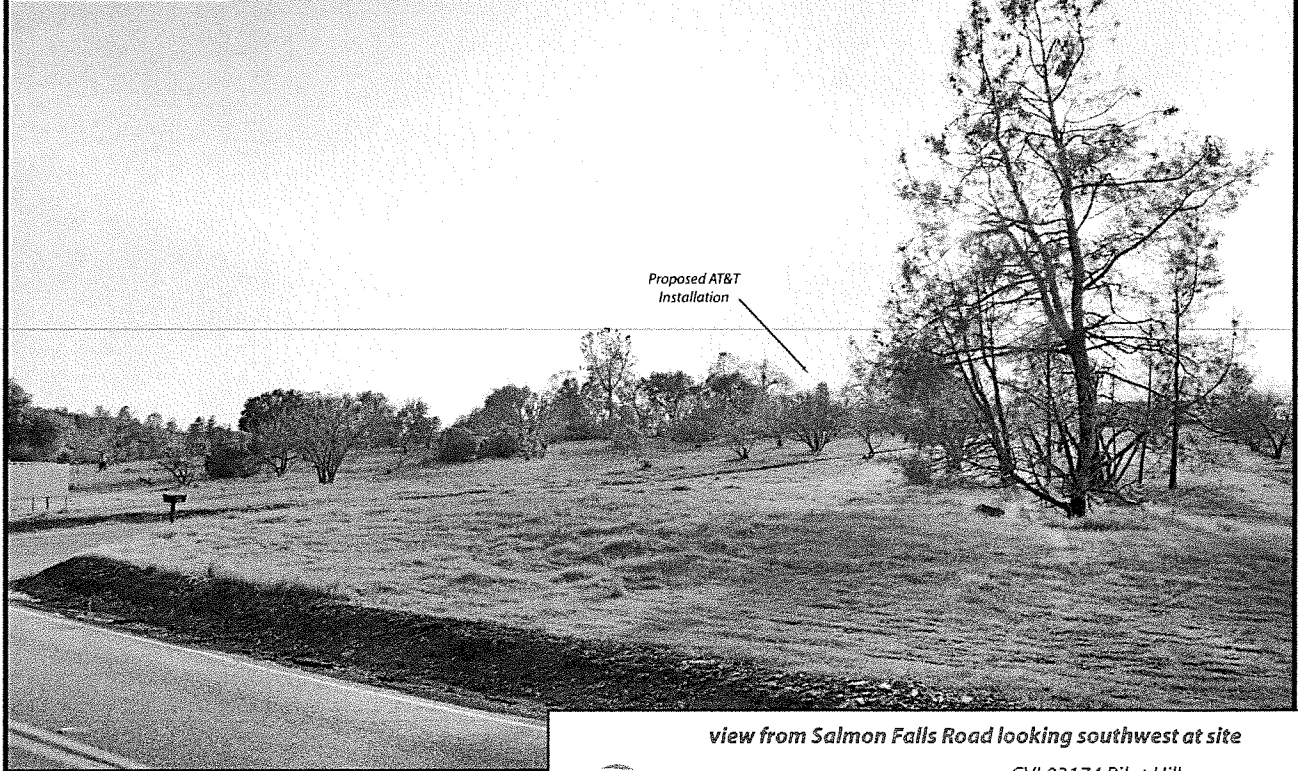
AT&T Wireless

CVL03174 Pilot Hill
4822 Salmon Falls Road, Pilot Hill, CA
Photosims Produced on 3-29-2017

Existing



Proposed



Proposed AT&T
Installation

view from Salmon Falls Road looking southwest at site



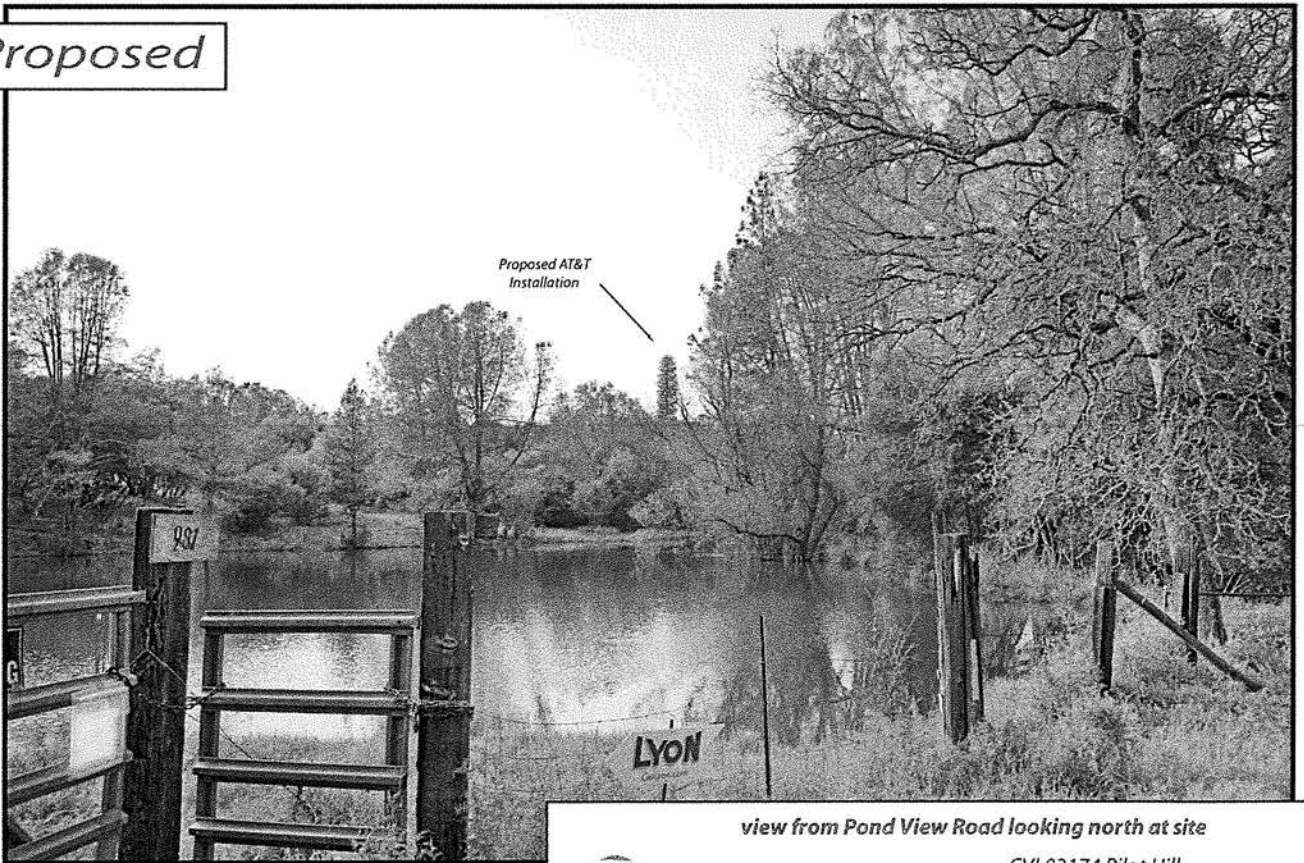
AT&T Wireless

CVL03174 Pilot Hill
4822 Salmon Falls Road, Pilot Hill, CA
Photosims Produced on 3-29-2017

Existing



Proposed



view from Pond View Road looking north at site



AT&T Wireless

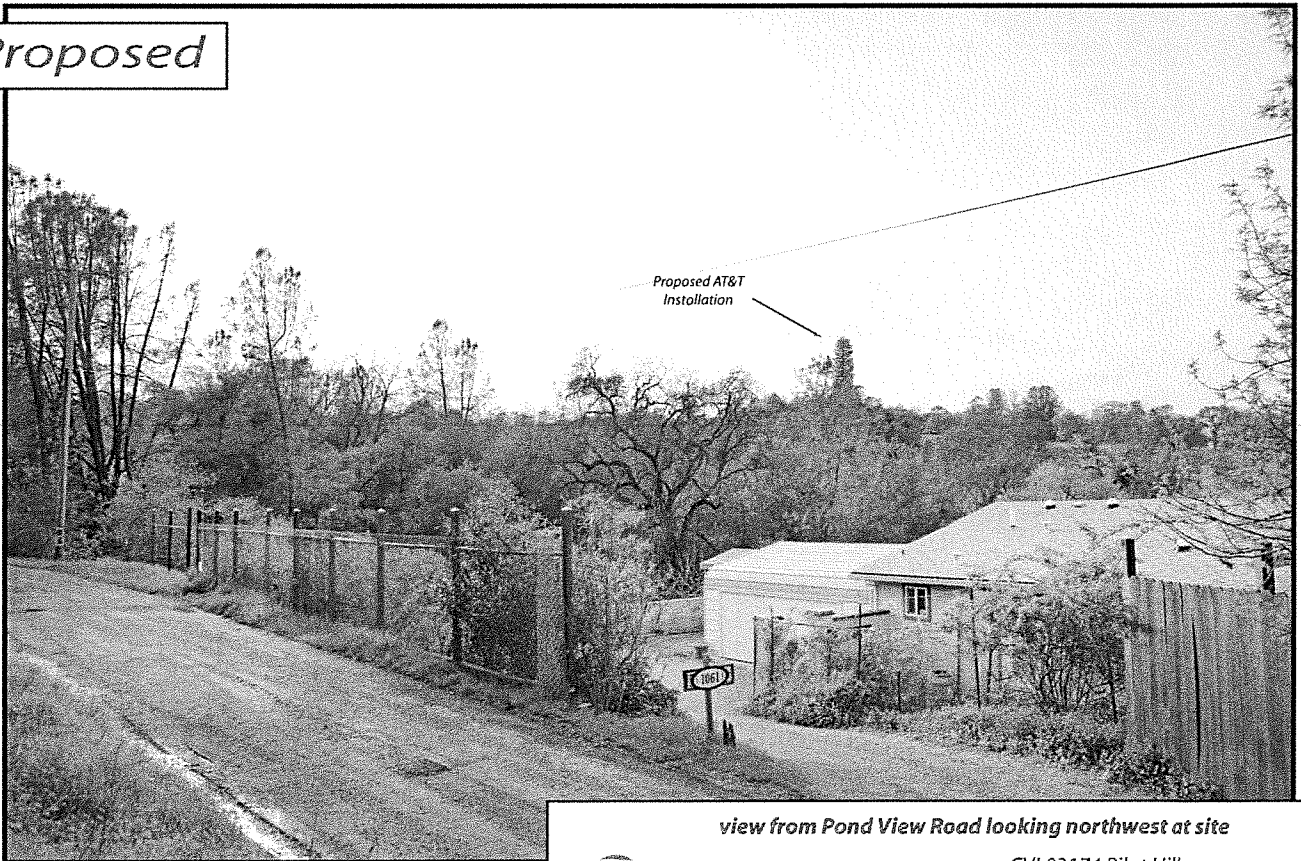
CVL03174 Pilot Hill
4822 Salmon Falls Road, Pilot Hill, CA
Photosims Produced on 3-29-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 292-8507

Existing



Proposed



view from Pond View Road looking northwest at site




ADCF Wireless C:\63174 Plier Mill
 4122 Johnson Falls Road, Plier Mill, CA
 Photosets Produced on 3-29-2017



AdvanceSims
 THE ART OF SIMULATION
 © 2017 ADVANCE SIMS

DATE January 11, 2018
BY Roger Trout Lake
EXECUTIVE SECRETARY



WATERFORD
COMPLIANCE... FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Pilot Hill	Site Structure Type: Broadleaf Tower
Address: 4822 Salmon Falls Road	Latitude: 38.826566
Pilot Hill, California	Longitude: -121.01605
Report Date: April 12, 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 Pilot Hill site located at 4822 Salmon Falls Road, Pilot Hill, 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:

- Install nine (9) new antennas
- Install twenty-one (21) new RRUS

The antennas will be mounted on a new 115-foot broadleaf tower erected for this purpose with centerlines at 100 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 18,303 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 1.607% of the FCC General Population limits (0.3214% 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 0.1625% of the FCC General Population limits (0.0325% 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 0.1350% of the FCC General Population limits (0.0270% 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.

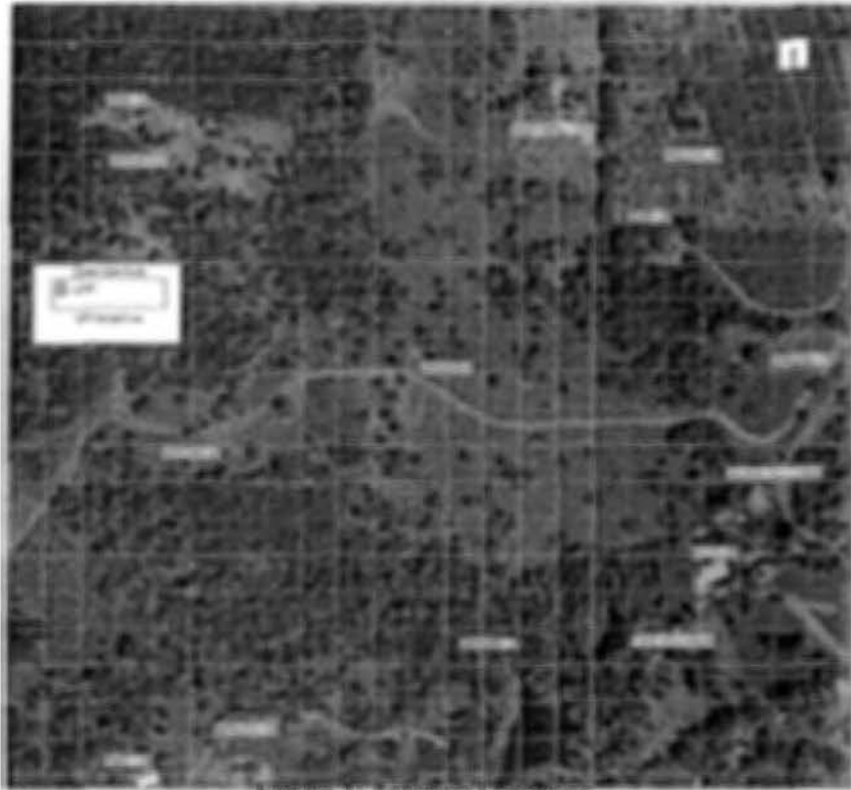


Figure 1: Antenna Locations

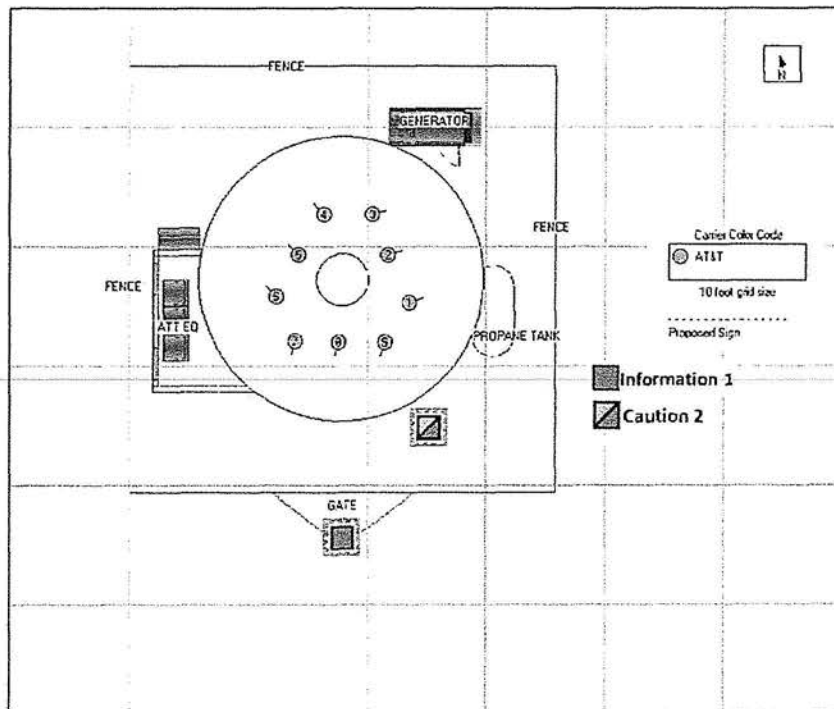


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 4822 Salmon Falls Road, Pilot Hill, 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.

