



at&t

SITE NUMBER: CVL00786
SITE NAME: SOUTH PLACERVILLE

500 JIM HILL ROAD
PLACERVILLE, CA 95667
JURISDICTION: EL DORADO COUNTY

SITE TYPE: MONOPINE/WALK-IN EQUIPMENT SHELTER

Issued For:
SOUTH PLACERVILLE
500 JIM HILL ROAD
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2600 Camino Ramon, #400, San Ramon, California 94583



AT&T SITE NO: CVL00786
PROJECT NO: 10554721
DRAWN BY: CES
CHECKED BY: CES

Table with columns: ID, DATE, DESCRIPTION



BY: [Signature]
EXECUTIVE SECRETARY

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Homer, PE 84674
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigghomer@yahoo.com

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

Main project information table with columns: PROJECT DESCRIPTION, PROJECT INFORMATION, PROJECT TEAM, SHEET INDEX, REV. Includes sections for Code Compliance, Directions from AT&T, and Approvals.

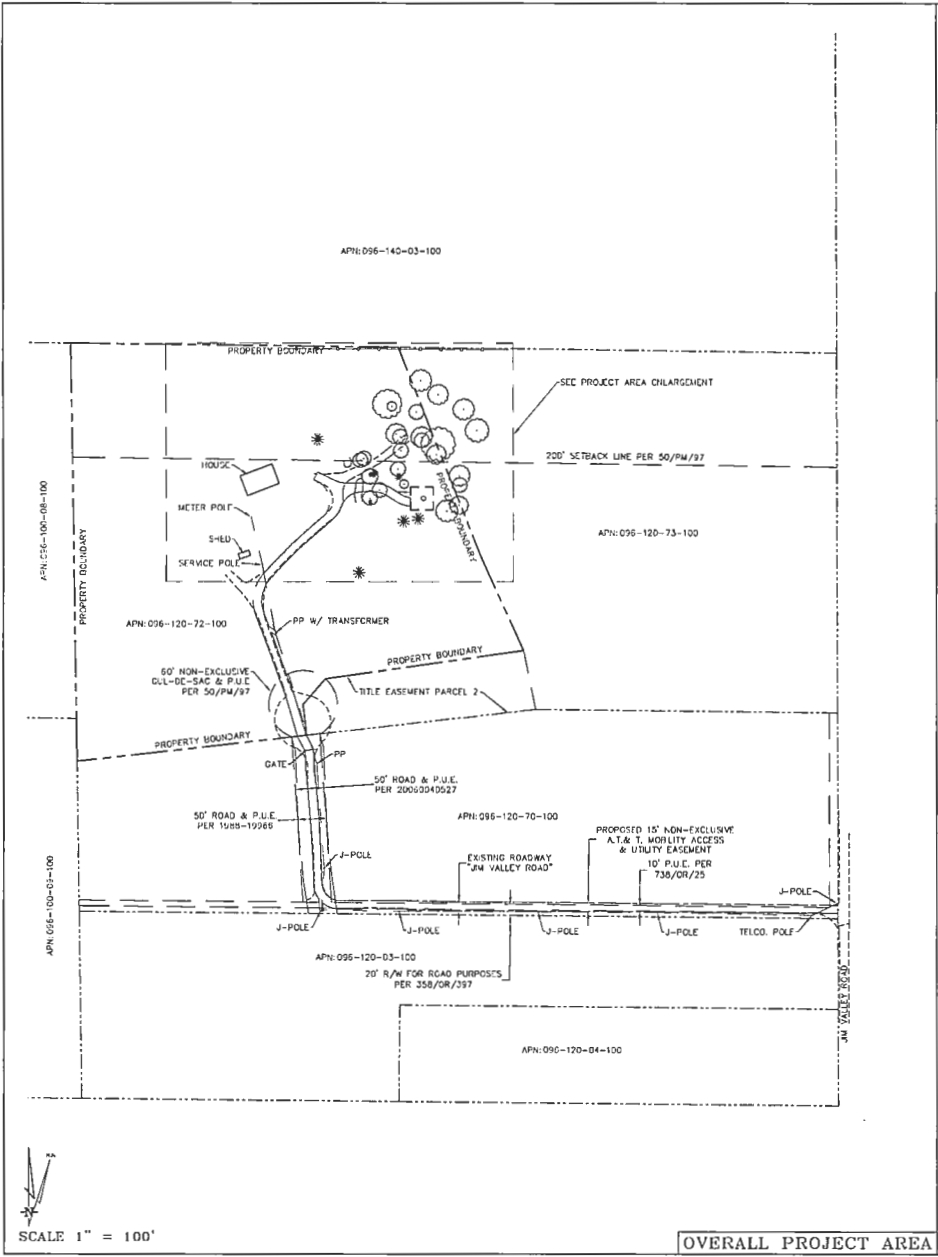
APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
Board of Supervisors
DATE: July 23, 2019
BY: [Signature]
EXECUTIVE SECRETARY

Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS
THESE DRAWINGS ARE FORWARDED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAME.





D&H Engineering
 Engineering • Surveying • Planning
 1225 High Street
 Auburn, California 95603-5015
 Phone: (530) 885-0426 • Fax: (530) 823-1309

A.T.& T. Mobility
 Project No./Name: CAC03786 / S. Placerville
 Project Site Location: 500 Jim Hill Road
 Placerville, CA 95667
 El Dorado County

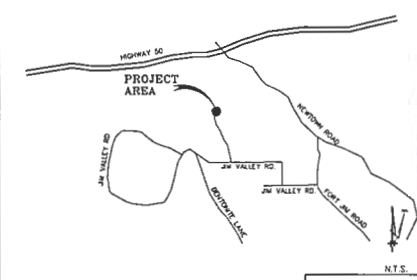
Date of Observation: 08-20-18
 Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.
 Type of Antenna Mount: Proposed MONOPINE
 Coordinates (Proposed Tower Location)
 Latitude: N 38° 42' 42.25" (NAD83) N 38° 42' 42.61" (NAD27)
 Longitude: W 120° 43' 14.96" (NAD83) W 120° 43' 11.20" (NAD27)
 ELEVATION of Ground at Structure (NAVD88) 2205' AMSL

CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed FAA Standards as defined in the FAA ASAC Information Sheet 91.003, and that they are true and accurate to the best of my knowledge and belief.
 Kenneth D. Giel California RCE 14803

DATE OF SURVEY: 08-20-18
 SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GIEL, RCE 14803
 LOCATED IN THE COUNTY OF EL DORADO, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.
 ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.C.S. N.A.S.D. 88 DATUM. ABOVE MEAN SEA LEVEL UNLESS OTHERWISE NOTED.
 N.G.V.O. 1920 CORRECTION: SUBTRACT 2.80' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: 1'
 ASSESSOR'S PARCEL NUMBER: 096-120-72-100
 LANDLORD(S): AMY SHANSON
 PO BOX 2278
 PLACERVILLE, CA 95667



PLACERVILLE, CA VICINITY MAP

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF D&H ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM D&H ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH D&H ENGINEERING WITHOUT PRECEDENCE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.

Lease Area Description
 All that certain lease area being a portion Parcel 1 as is shown on that certain Parcel Map filed for record at Book 30 of Parcel Maps of Page 57, Official Records of El Dorado County, and being located in the NW 1/4 of the NW 1/4 of Section 24, Township 10 North, Range 1 East, M.D.B. & M., and being located in the County of El Dorado, State of California being more particularly described as follows:

Commencing at a found 3/4" CP Stamped US 4130 set at the Northern terminus of that certain 378.88' tangent along the South boundary of Parcel 2 as is shown on the above referenced Parcel Map from which a CP bears South 83°31'27" West; thence from said point of beginning North 27°01'21" West 403.16 feet to the True Point of Beginning; thence North 40.00 feet; thence West 40.00 feet; thence South 40.00 feet; thence East 40.00 feet to the point of beginning.

Together with a non-exclusive easement for access and utility purposes, fifteen feet in width, the centerline of which is described as follows: beginning at a point which bears North 13.74 feet from the Southwest corner of the above described lease area and running thence through a curve to the right, the center of which bears North 05°39'27" East 50.00 feet, through an arc length of 23.53 feet; thence tangent to the last curve North 57°22'43" West 10.74 feet; thence through a tangent curve to the left having a radius of 46.00 feet through an arc distance of 26.19 feet; thence tangent to the last curve West 22.05 feet; thence through a tangent curve to the left having a radius of 46.00 feet through an arc distance of 56.09 feet; thence tangent to the last curve South 20°06'23" West 1.58 feet; thence through a tangent curve to the right having a radius of 50.00 feet through an arc distance of 25.35 feet; thence tangent to the last curve South 49°10'03" West 38.80 feet; thence South 51°19'03" West 26.59 feet; thence South 44°24'02" West 47.32 feet; thence South 42°08'57" West 37.62 feet; thence through a tangent curve to the left having a radius of 65.00 feet through an arc distance of 71.31 feet; thence tangent to the last curve South 20°42'30" East 20.27 feet to a point hereafter defined as Point "A"; thence South 19°55'56" East 134.29 feet; thence South 16°22'47" East 72.00 feet; thence South 27°55'53" East 26.66 feet; thence South 02°19'10" East 42.56 feet; thence South 04°30'50" East 153.80 feet; thence South 01°49'47" East 42.25 feet; thence through a tangent curve to the left having a radius of 37.50 feet through an arc distance of 18.38 feet to a point hereafter defined as Point "B"; thence continuing through the previous curve for an additional arc distance of 35.48 feet; thence tangent to the last curve North 89°32'31" East 105.16 feet; thence South 88°28'28" East 80.70 feet; thence South 89°34'27" East 376.59 feet; thence South 89°23'27" East 313 feet more or less to the public right of way more commonly known as Jim Valley Road.

Also together with easement for access and utility purposes fifteen feet in width for turn around purposes as is generally shown herein.

Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: beginning at Point "A" as previously defined and running thence South 54°30'42" East 27 feet more or less to the existing utility pole.

Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: beginning at Point "B" as previously defined and running thence South 02°19'08" East 30 feet more or less to the existing utility pole.

Also together with a non-exclusive easement for utility purposes ten feet in width the centerline of which is described as follows: beginning at a point which bears North 25.23 feet from the Southwest corner of the above described lease area and running thence West 29.08 feet.

DATE	APPROVED	DATE
DATE	APPROVED	DATE
ACC	ACC	ACC
REV	REV	REV
DATE	DATE	DATE
BY	BY	BY
DATE	DATE	DATE
BY	BY	BY
DATE	DATE	DATE
BY	BY	BY
DATE	DATE	DATE
BY	BY	BY
DATE	DATE	DATE
BY	BY	BY

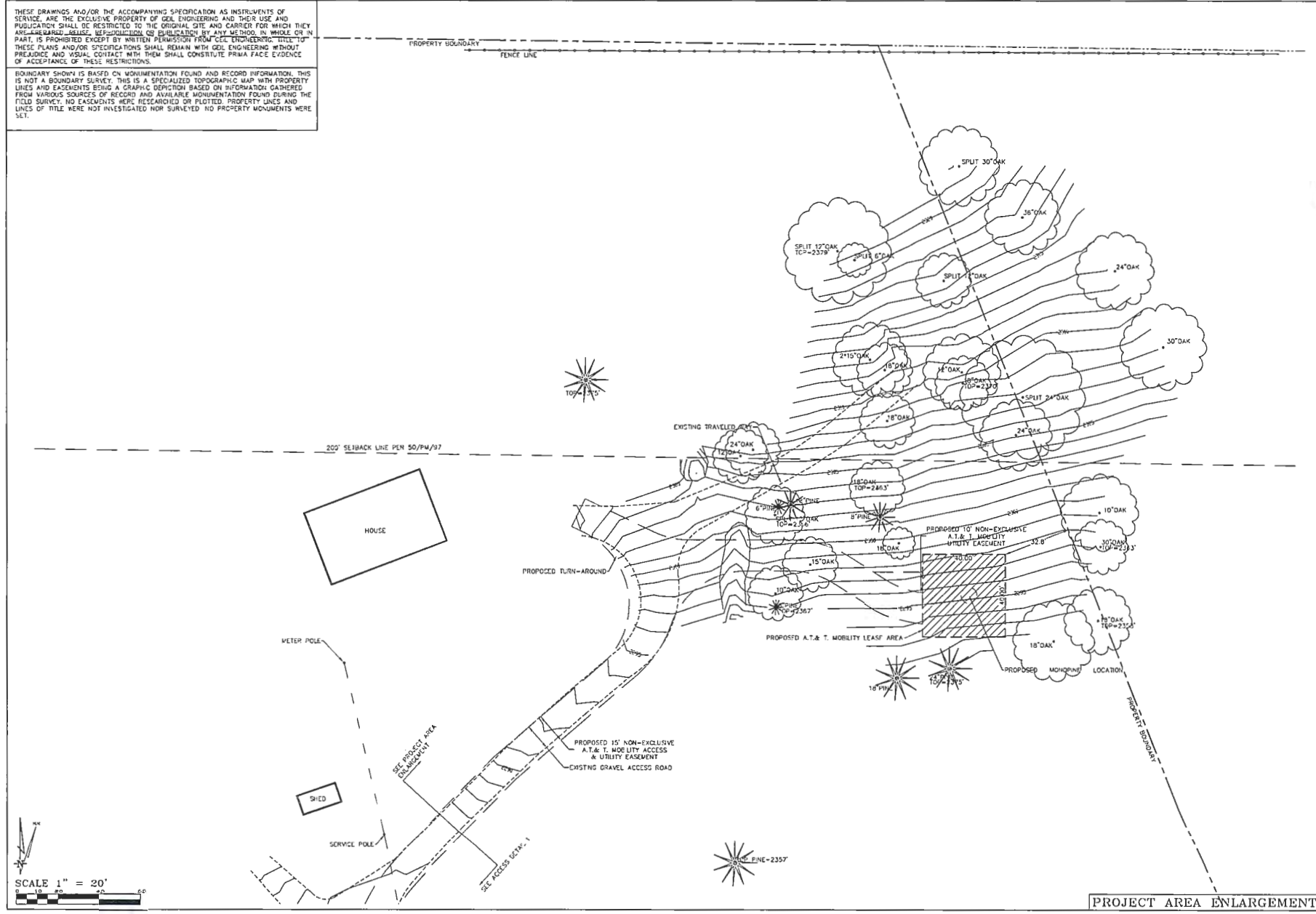
D&H ENGINEERING
 ENGINEERING • SURVEYING • PLANNING
 1225 HIGH STREET
 AUBURN, CALIFORNIA 95603
 PHONE: (530) 885-0426
 FAX: (530) 823-1309

CV100786
 SOUTH PLACERVILLE
 500 JIM HILL ROAD
 PLACERVILLE, CA 95667
 PLOT PLAN AND
 SITE TOPOGRAPHY

DATE	APPROVED	DATE
DATE	APPROVED	DATE
ACC	ACC	ACC
REV	REV	REV
DATE	DATE	DATE
BY	BY	BY
DATE	DATE	DATE
BY	BY	BY
DATE	DATE	DATE
BY	BY	BY

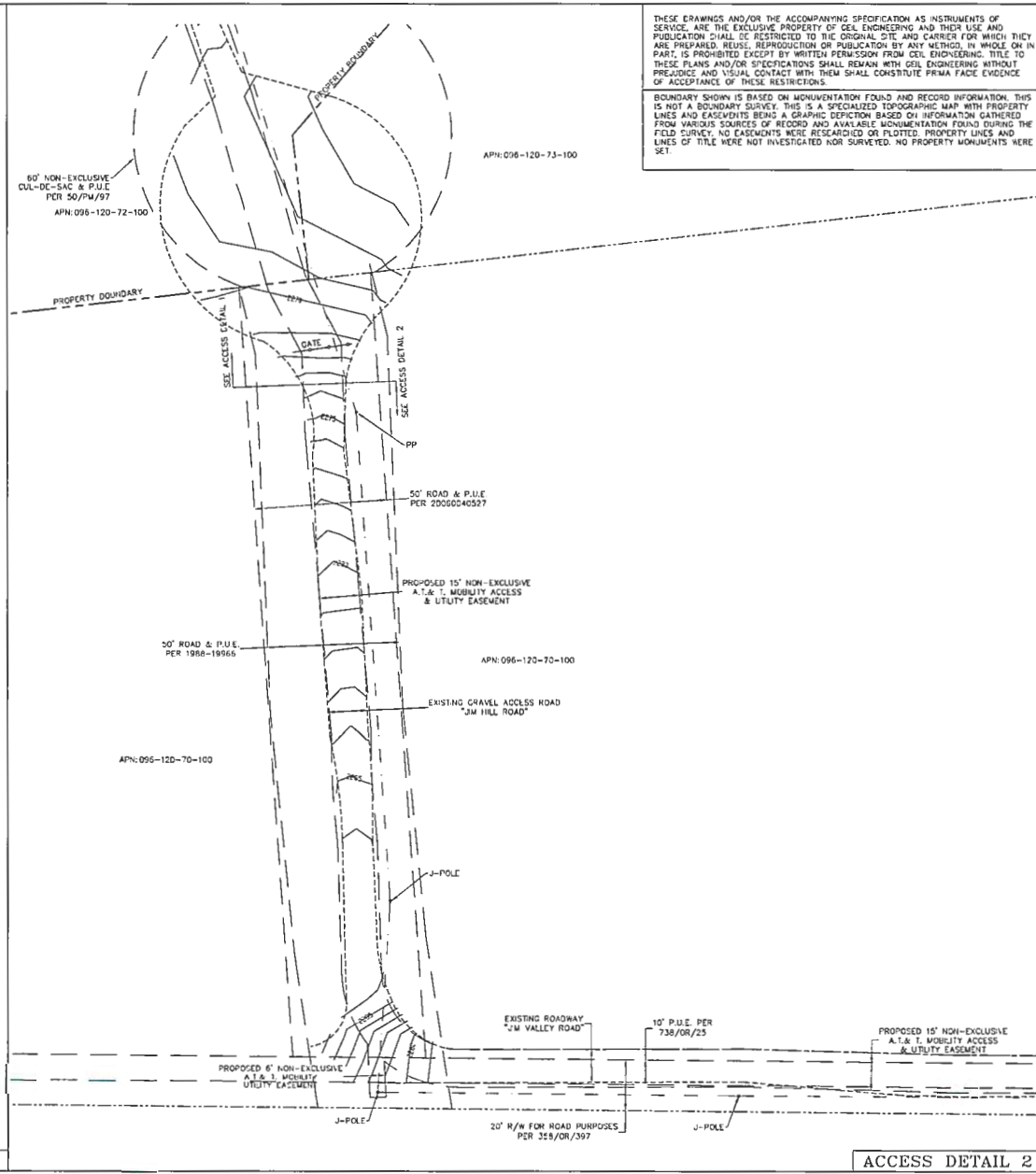
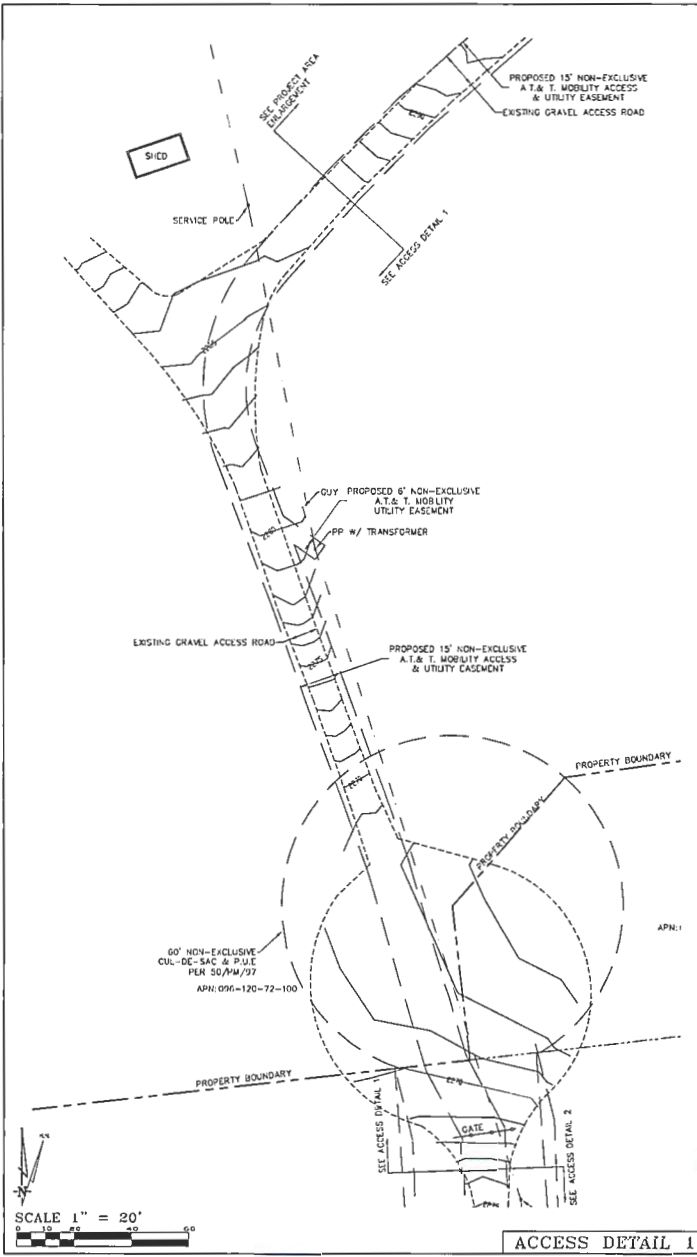
THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.



SCALE 1" = 20'
 0 10 20 40 60

DEPT.	APPROVED	DATE
<p>Surveyed</p> <p>GEL ENGINEERING ENGINEERING - SURVEYING - DESIGN 4550 HUNTER STREET, SUITE 100 PLACERVILLE, CA 95667 TEL: (530) 273-3400 FAX: (530) 273-3401</p>		
<p>CYL00786 SOUTH PLACERVILLE 500 JIM HILL ROAD PLACERVILLE, CA 95667</p> <p>PLOT PLAN AND SITE TOPOGRAPHY</p>		
Sheet	C-2	

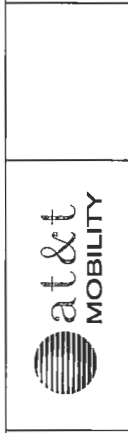


THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.

DEPT.	APPROVED	DATE
ASC		
EE		
ISE		
ITE		
EE/LN		
OPS		
EL/OUT		

Surveyed
 GEL ENGINEERING
 5000 S. JIM HILL ROAD
 PLACERVILLE, CALIFORNIA 95667
 TEL: (530) 873-7200
 FAX: (530) 873-7200



CV100786
 SOUTH PLACERVILLE
 500 JIM HILL ROAD
 PLACERVILLE, CA 95667
 PLOT PLAN AND
 SITE TOPOGRAPHY

Sheet

C-3

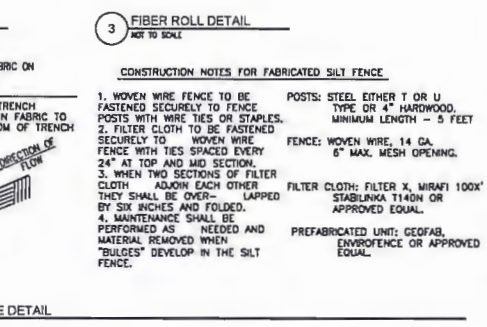
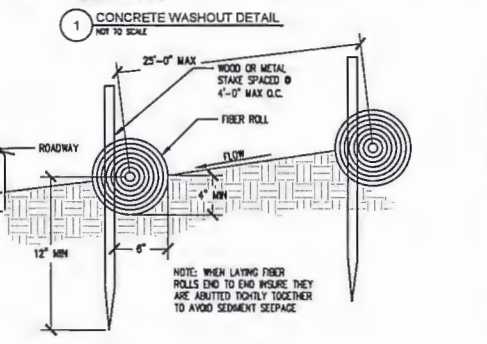
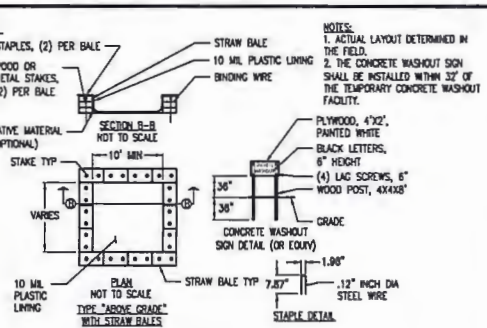
BEST MANAGEMENT PRACTICES "BMP" TABLE			
BEST MANAGEMENT PRACTICES	LOCATION	SCHEDULE IMPLEMENTATION	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILTER OUT SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. INSPECT SITE PERIMETER MONTHLY TO VERIFY THE OUTSIDE VEGETATION IS NOT DISTURBED.
PROTECT GRADED AREAS AND SLOPES FROM WASHOUT AND EROSION	THROUGHOUT PROJECT SITE	CONTINUOUS	INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. THE GRADE, TRIBUTARY AREAS OR INSTALL SAND DUNES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE ON-SITE SEDIMENT DEPOSITED BEHIND BERM OR BARRIER TO MAINTAIN EFFECTIVENESS.
BAG INLET FILTER	INLETS TO THE STORM DRAINAGE SYSTEM	CONTINUOUS UNTIL LANDSCAPING IS IN PLACE	INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT AND DEBRIS BEFORE ACCUMULATION HAS REACHED ONE THIRD THE DEPTH OF THE BAG. REPAIR OR REPLACE INLET FILTER BAG AS SOON AS DAMAGE OCCURS.
FIBER ROLLS	SEE NOTE 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 CONSTRUCTION IS COMPLETED	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 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.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

- 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 COMMERCIALLY PREPARED ACCESS. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS. ALL 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 PROPOSED 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, SOAP 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 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 OILS MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINOR. 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 ORAIN 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 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 LITTER TO ENTER THE ANY STORM DRAIN SYSTEM.
- CONTRACTOR SHALL PROVIDE DUST CONTROL, AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND ADHERENCE TO THE LOCAL REQUIREMENTS.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:

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

POSTS: STEEL EITHER T OR U TYPE OR 4" HARDWOOD. MINIMUM LENGTH - 5 FEET. FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING. FILTER CLOTH: FILTER X, MIRAFI 100X* STABILINK 1140N OR APPROVED EQUIV. PREFABRICATED UNITS: GEOFAB, ENVYROFORM OR APPROVED EQUIV.

SEEDING MAY BE USED ONLY BETWEEN APRIL 1 AND JUNE 30, AND SEPTEMBER 1 AND OCTOBER 30.

NAME	PROPORTIONS BY MOIST	PURITY %	GERMINATION %
REDTOP (AGROSTIS ALBA)	10%	92	90
ANNUAL RYE (LOLIUM MULTIFLORUM)	40%	98	90
CRABGRASS (DETUCCA RUBRA COMMUNATA)	40%	97	80
WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	40%	96	90

FIBER ROLL NOTES:

- REPAIR OR REPLACE SPLIT, TORN UNWRAPING 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.

Prepared For:

SOUTH PLACERVILLE
500 JIM HILL ROAD
PLACERVILLE, CA 95667

PREPARED FOR

at&t

2400 Camino Ramon, #9000
San Ramon, California 94583

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

AT&T SITE NO: CV100786
PROJECT NO: 10554721
DRAWN BY: CES
CHECKED BY: CES

D	NO	DATE	DESCRIPTION
0	10/2/15	10/2/15	
1	03/15/16	10/20/16	

REV: DATE: DESCRIPTION:

Licensor:

PROFESSIONAL ENGINEER
No. 84674
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
PERSONS WHOSE NAMES ARE APPEARED
HEREON ARE NOT RESPONSIBLE FOR ANY DESIGN
PROFESSIONAL ENGINEER TO ACCEPT THE
GOODNESS.

Engineer:

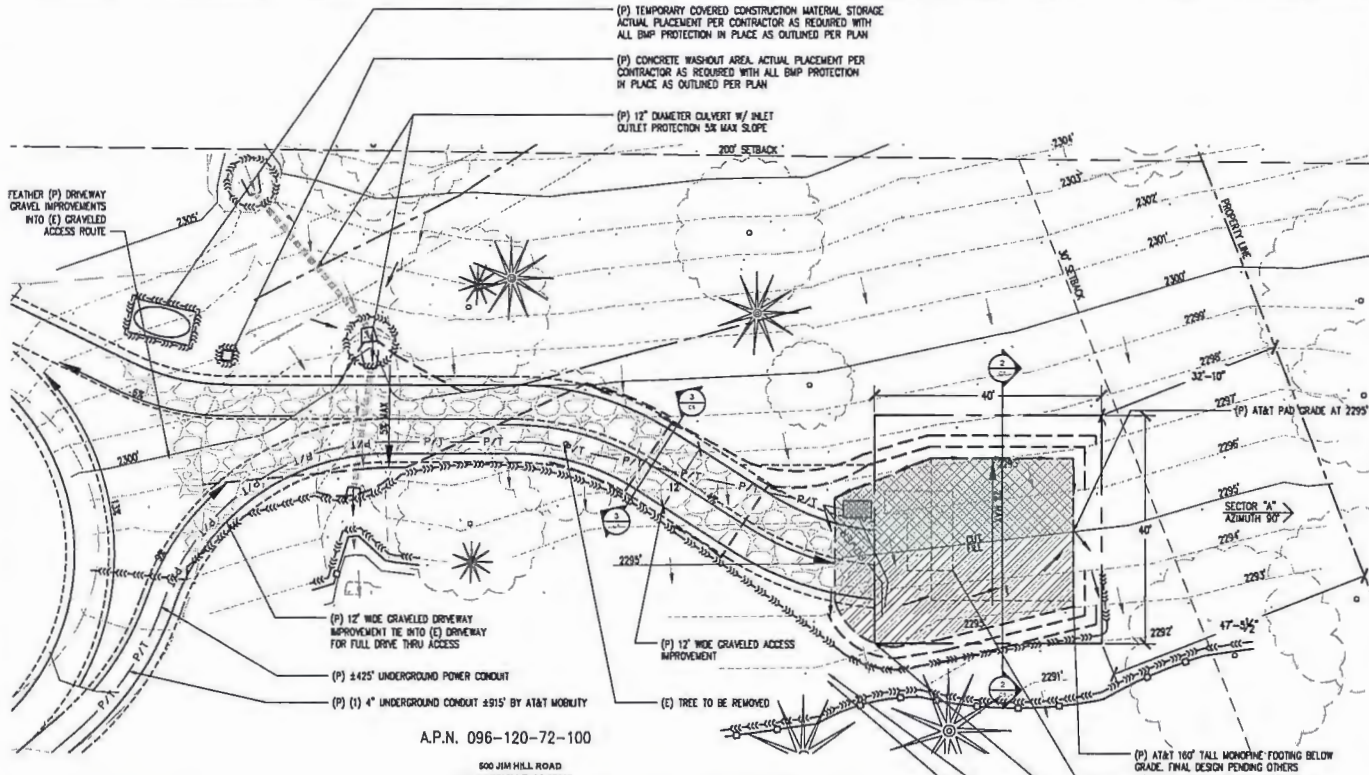
ADAPTIVE RE-USE ENGINEERING
Craig Homer, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craig@home@yahoo.com

SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-4

**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 CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
- ANY AND ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
- REMOVE DIRT, DEBRIS AND WEEDES 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, SLOTTED 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.



A.P.N. 096-120-72-100
600 JIM HILL ROAD
PLACERVILLE, CA 95647

NOTES:

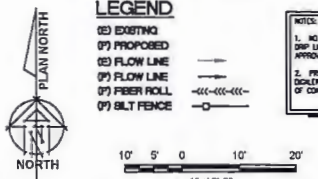
- DISTURBED "ACTIVE AREAS" FOR ACCESS IMPROVEMENT AREA AND BITE CONSTRUCTION AT SITE LOCATION= 3871 SQ FT < 10000 SQ FT
- TOTAL VOLUME OF GRADED MATERIAL = 18000 CU YARDS < 2500 CU YARDS
- TOTAL CUT FOR ACCESS=85 CU YARDS
- TOTAL FILL FOR ACCESS=85 CU YARDS
- TOTAL CUT FOR BITE AREA=01 CU YARDS
- TOTAL FILL FOR BITE AREA = 28 CU YARDS
- VOLUME OF SOIL TO BE EXCAVATED FOR ALL FOOTINGS IS ESTIMATED TO BE APPROXIMATELY 70 CUBIC YARDS
- TOTAL CUT = 39.5 CU YARDS
- TOTAL FILL = 34.5 CU YARDS
- TOTAL IMPORT IS = 0 TOTAL EXPORT = 0
- TOTAL BODILY >25 CU YARDS AND SHALL BE EVENLY SPREAD AROUND FOUNDATIONS TO DIVERT WATER AWAY FROM STRUCTURES AND OR EVENLY SPREAD ON SITE IN A MANNER AS NOT TO DISRUPT EXISTING FLOW PATTERNS.
- MAX SLOPE NOT TO EXCEED 2:1 AND MAX HEIGHT OF CUT OR FILL SLOPE IS 3'

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 1440'. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 281 CUBIC YARDS.
DISCOVERY OF ARCHEOLOGICAL REOURCES/HUMAN REMAINS DURING GRADING/ CONSTRUCTION ACTIVITIES:
1. REFER TO CONDITIONS OF APPROVAL NOTE 8 AND 10 SHEET T-2 COATS.

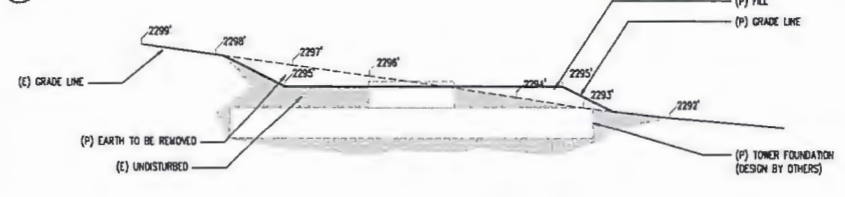
LEGEND

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

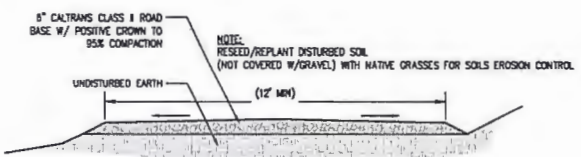
NOTE:
1. NO GRADING OR FURNISH CONSTRUCTION SHALL OCCUR WITHIN SHIP LINES OF TREES THAT ARE TO REMAIN WITHOUT AIRBORNE APPROVAL.
2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT OWNER TO MARK OUT EXISTING UNDERGROUND UTILITIES IN THE CHASE OF CONFLICT, CONTRACTOR TO CONTACT POC.



1 GRADING PLAN
1"=10'-0"



2 PAD SECTION DETAIL
3/16"=1'-0"



3 ACCESS ROAD DETAIL
NOT TO SCALE

SITE TYPE: MONOPINEWALK IN EQUIPMENT SHELTER

Issued for:
**SOUTH
PLACERVILLE**
500 JIM HILL ROAD
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2400 Camino Ramon, #4000
San Ramon, California 94583

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

AT&T SITE NO:	CVL00786
PROJECT NO:	10554721
DRAWN BY:	CES
CHECKED BY:	CES
DATE	05/15/18

License:
PROFESSIONAL ENGINEER
No. 84874
STATE OF CALIFORNIA

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

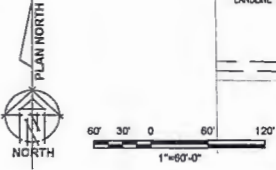
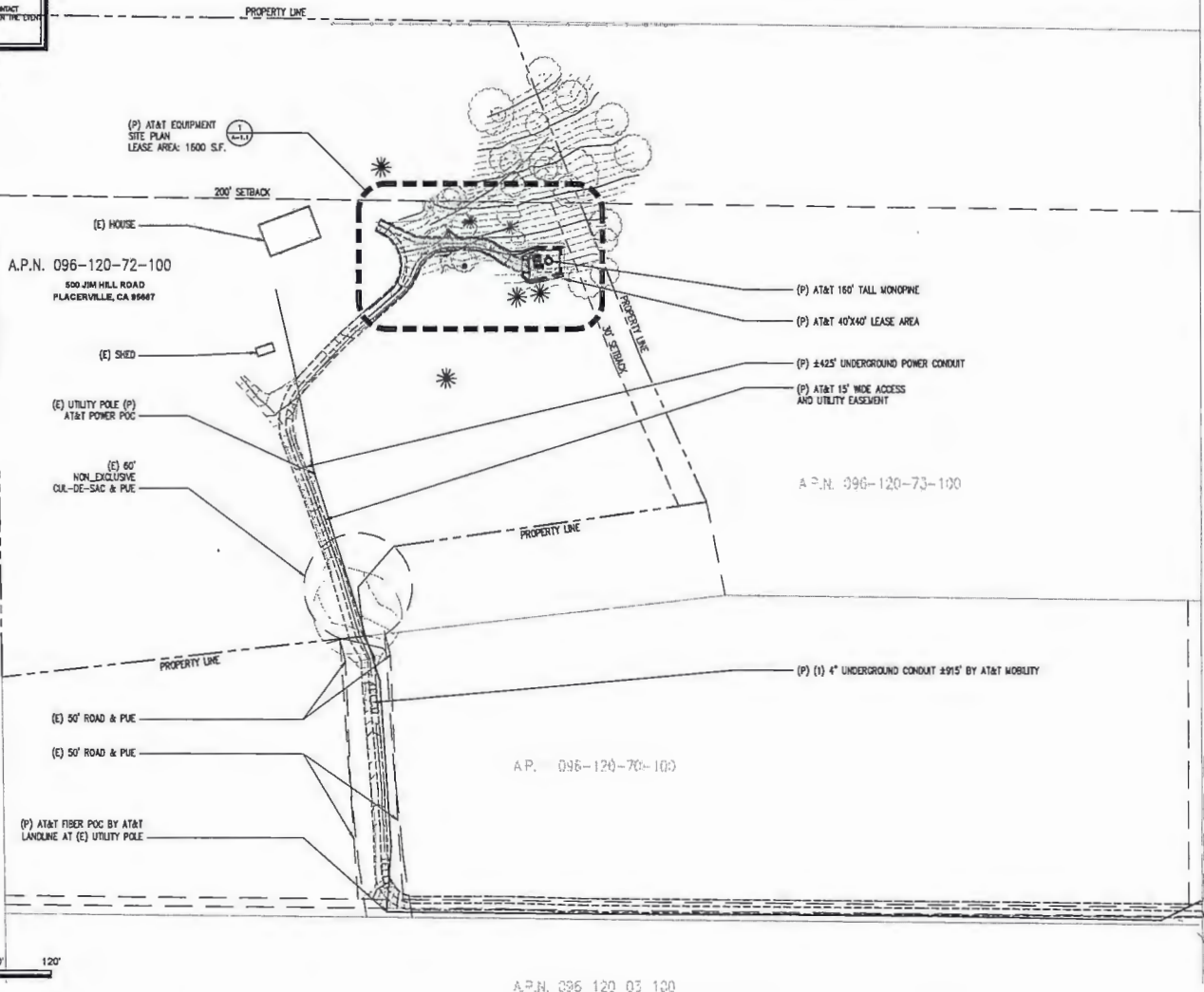
SHEET TITLE:
**GRADING PLAN
AND DETAILS**

SHEET NUMBER:
C-5

THIS IS NOT A SITE SURVEY
 ALL PROPERTY BOUNDARIES, ORIENTATION OF TRAIL NORTH AND STREET MARKERS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DEWPPCS AND ARE APPROXIMATE.

NOTES:
 1. NO GRADING OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN 200' LINES OF TREES THAT ARE TO REMAIN WITHOUT AGRICULTURAL APPROVAL.
 2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT LOCALITY TO MARK OUT EXISTING UNDERGROUND UTILITIES IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT POC.

A.P.N. 096-140-03-100



A.P.N. 096 120 03 100

Issued For
SOUTH PLACERVILLE
 500 JIM HILL ROAD
 PLACERVILLE, CA 95667

PREPARED FOR

 2400 Camino Ramon, 49550 N
 San Ramon, California 94583

EPIC
 WIRELESS GROUP LLC
 Consulting in Wireless World

AT&T SITE NO: CVL00786
 PROJECT NO: 10554721
 DRAWN BY: CES
 CHECKED BY: CES

REV	DATE	DESCRIPTION
0	10/27/18	2018/10/27
1	11/15/18	2018/11/15
1	05/10/19	2019/05/10

Licensor:

 I, AS A REGISTERED ENGINEER, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER, LICENSE NO. 84674, IN THE STATE OF CALIFORNIA.

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

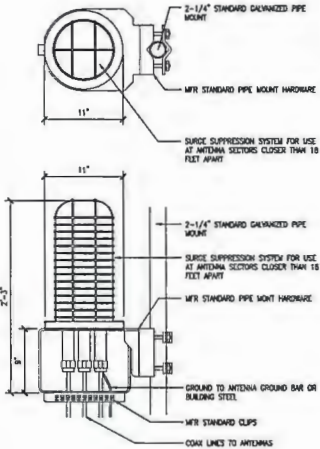
SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

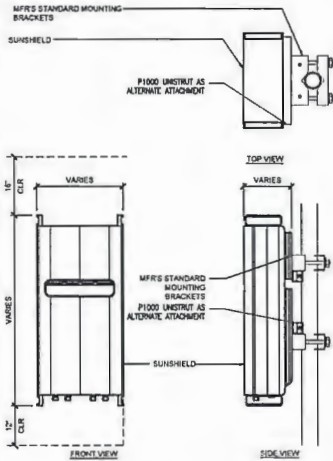
1 OVERALL SITE PLAN
 1"=60'-0"

SITE TYPE: MONOPINE/WALK IN EQUIPMENT SHELTER

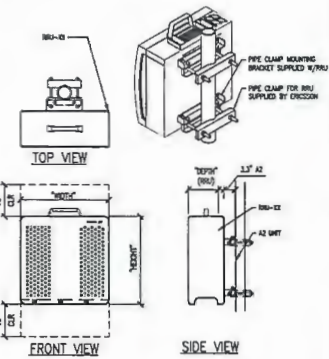
RAYCAP DCB-48-50-18-8C &
DCB-48-50-0-8C SURGE SUPPRESSION
SOLUTION
COLOR: BLACK/SILVER
DIMENSIONS: 11" DIA X 27" DALL W/ 8" SIDE
WEIGHT: 4/-50 LBS (INCLUDING MOUNTING HARDWARE)



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

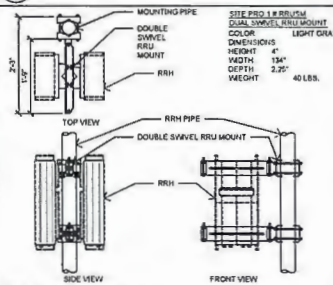


2 TYPICAL RRU MOUNTING
1 1/2"x1'-0"

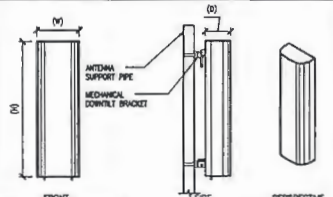


TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-11 E	19.7"	17"	7.2"	55 LBS
RRUS-12	20.4"	18.5"	7.5"	57.5 LBS
RRUS-E2	20.4"	18.5"	7.5"	53 LBS
RRUS-4478 B14	18.1"	13.4"	8.26"	59.4 LBS
RRUS-4478 B25	16.5"	13.4"	7.7"	55.9 LBS
RRUS-4415 B20	14.96"	13.19"	5.39"	46 LBS
RRUS-4415 B30	14.96"	13.19"	5.39"	46 LBS
RRUS-4426 B66	14.96"	13.19"	5.39"	46 LBS
RRUS-449 B282	28"	15"	10"	85 LBS
RRUS-6943 B224	28"	15"	10"	85 LBS

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



4 DOUBLE SIDED RRH MOUNT
3/4"x1'-0"

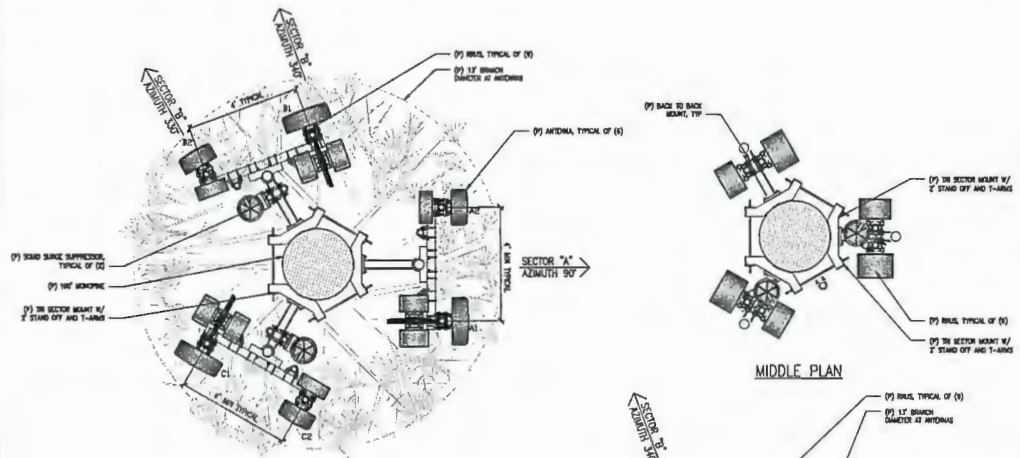


FRONT	SIDE	PERSPECTIVE
ANTENNA WIDTH 800-10060K = 8.50 FT.	ANTENNA WIDTH 800-10060K = 13.50 FT.	ANTENNA WIDTH 800-10060K = 15.50 FT.
HEIGHT = 61.5 LBS	HEIGHT = 114.8 LBS	HEIGHT = 77.3 LBS
DIMENSIONS = 25.1" (H) x 14.8" (W) x 8.7" (D)	DIMENSIONS = 96" (H) x 20" (W) x 8.8" (D)	DIMENSIONS = 81.1" (H) x 14.8" (W) x 8.7" (D)

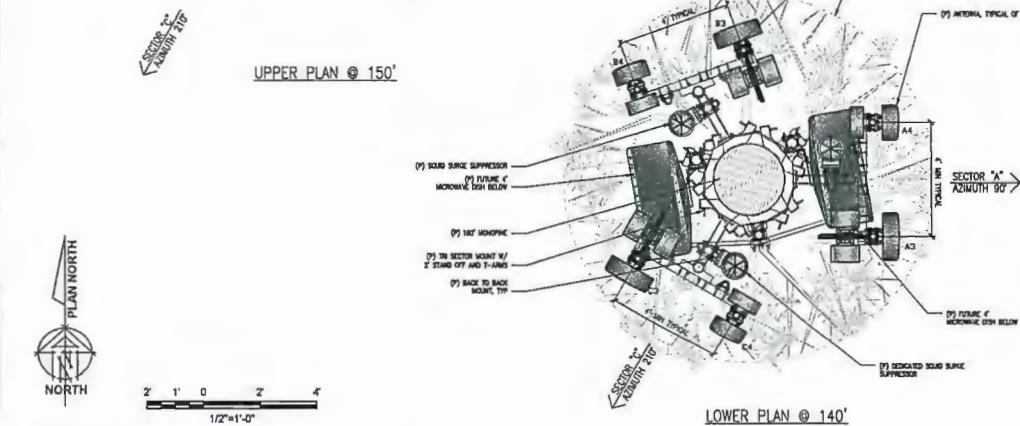
5 ANTENNA SPEC
3/4"x1'-0"

RF SCHEDULE										
SECTOR	ANTENNA MODEL NO.	TECHNOLOGY	AZIMUTH	RAD CENTER	RRU COUNTS	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.	
A L P H A	A1	800-10060K	700/850/PCS	90°	± 150°-0°	0/1 0/2	N/A	± 180'	± N/A	TRUNK 4
	A2	800-10060K	FVLL	90°	± 150°-0°	0/1 0/3	N/A	± 180'	± N/A	TRUNK 1
	A3	800-10060K	FVLL/AVS	90°	± 140°-0°	0/1 0/2	N/A	± 170'	± N/A	TRUNK 1
	A4	800-10060K	809	90°	± 140°-0°	0/1 0/2	N/A	± 170'	± N/A	TRUNK 1
B I T A	B1	800-10060K	700/850/PCS	340°	± 150°-0°	0/1 0/2	N/A	± 180'	± N/A	TRUNK 4
	B2	800-10060K	FVLL	330°	± 150°-0°	0/1 0/2	N/A	± 180'	± N/A	TRUNK 2
	B3	800-10060K	FVLL/AVS	340°	± 140°-0°	0/1 0/2	N/A	± 170'	± N/A	TRUNK 2
	B4	800-10060K	809	340°	± 140°-0°	0/1 0/2	N/A	± 170'	± N/A	TRUNK 2
C A N A M A	C1	800-10060K	700/850/PCS	210°	± 150°-0°	0/1 0/2	N/A	± 180'	± N/A	TRUNK 4
	C2	800-10060K	FVLL	210°	± 150°-0°	0/1 0/3	N/A	± 180'	± N/A	TRUNK 3
	C3	800-10060K	FVLL/AVS	210°	± 140°-0°	0/1 0/2	N/A	± 170'	± N/A	TRUNK 3
	C4	800-10060K	809	210°	± 140°-0°	0/1 0/2	N/A	± 170'	± N/A	TRUNK 3

6 RF SCHEDULE
NOT TO SCALE



UPPER PLAN @ 150'



LOWER PLAN @ 140'

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

SITE TYPE: MONOPINE

Issued For
SOUTH PLACERVILLE
500 JIM HILL ROAD
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2400 Camino Ramon, #4950 N
San Ramon, California 94583

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

AT&T SITE NO: CV100786
PROJECT NO: 10554721
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
0	10/21/18	CD 1016
0	11/15/18	CD 1026
1	02/15/19	CD 1026/1026/1026



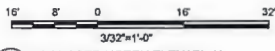
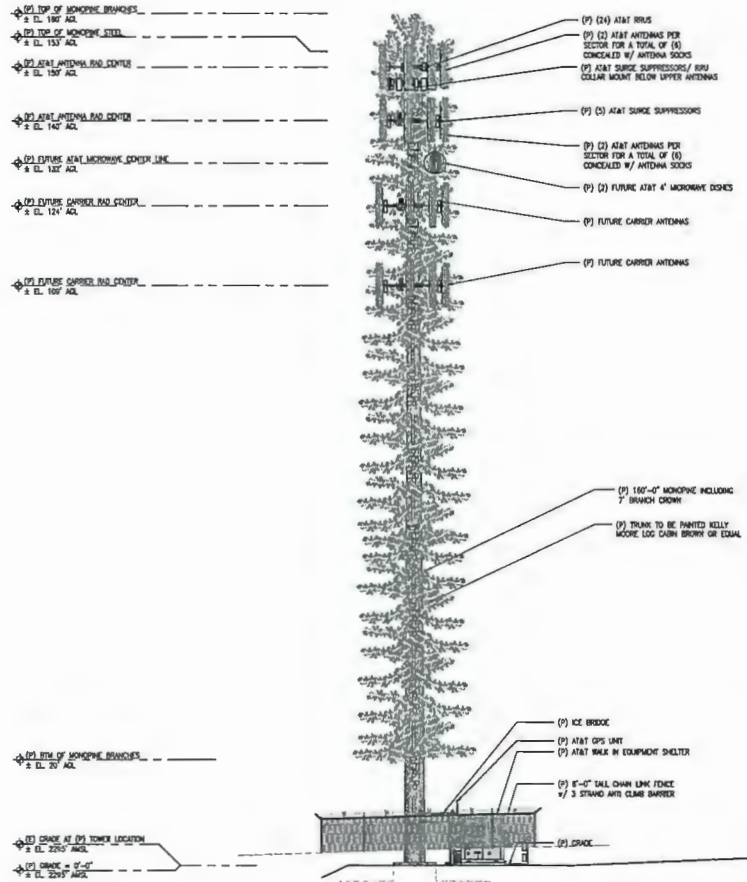
FOR A LEGAL NOTICE GO TO THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS WEBSITE AT WWW.PECS.CA.GOV OR CONTACT THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS AT 415-777-1000

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

SHEET TITLE:
ANTENNA PLAN & DETAILS

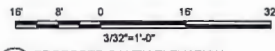
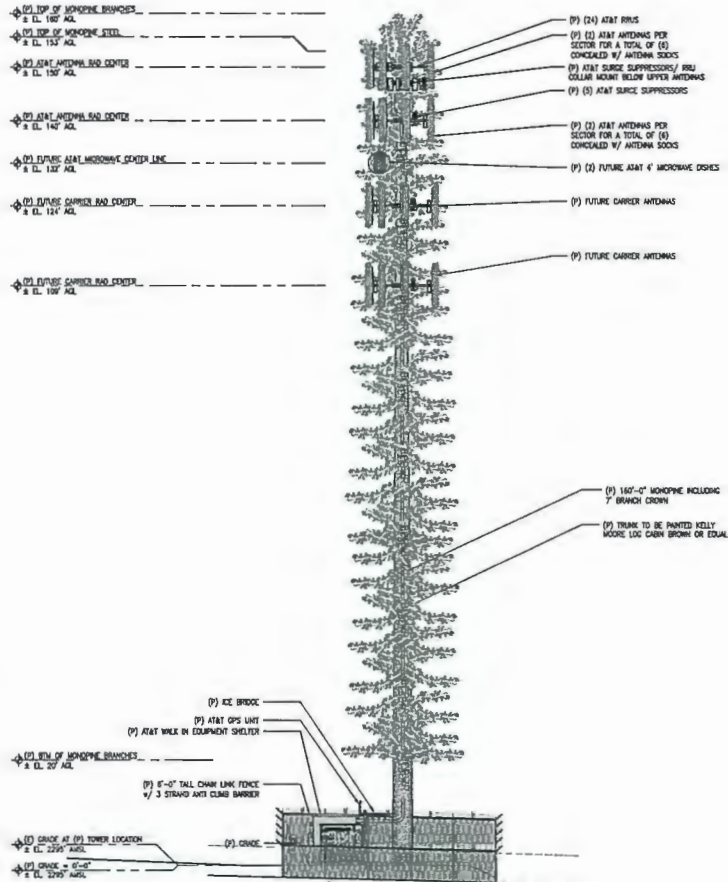
SHEET NUMBER:
A-3

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



1 PROPOSED NORTH ELEVATION
3/32"=1'-0"

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



2 PROPOSED SOUTH ELEVATION
3/32"=1'-0"

SITE TYPE: MONOPINE/WALK IN EQUIPMENT SHELTER

Issued For:
SOUTH PLACERVILLE
500 JIM HILL ROAD
PLACERVILLE, CA 95667

PREPARED FOR
 at&t
3403 Camino Ramon, #4550 N
San Ramon, California 94583

EPIC
WIRELESS GROUP LLC
Connecting a Wireless World

AT&T SITE NO: CVL00786
PROJECT NO: 10554721
DRAWN BY: CES
CHECKED BY: CES

NO.	DATE	DESCRIPTION
0	10/27/08	CONCEPT
1	02/15/09	CONCEPT
2	02/15/09	CONCEPT
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		



BE A VIOLATOR OF LAW FOR ANY
FEDERAL OR STATE ACT OR
ORDER OF THE ENGINEERING BOARD.
PROFESSIONAL ENGINEER TO ALTERING
EQUIPMENT

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

SHEET TITLE:
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4.1

2018 DEC -7 AM 8:20

RECEIVED
PLANNING DEPARTMENT

CVL00786 Zoning Propagation Map

November 21, 2018

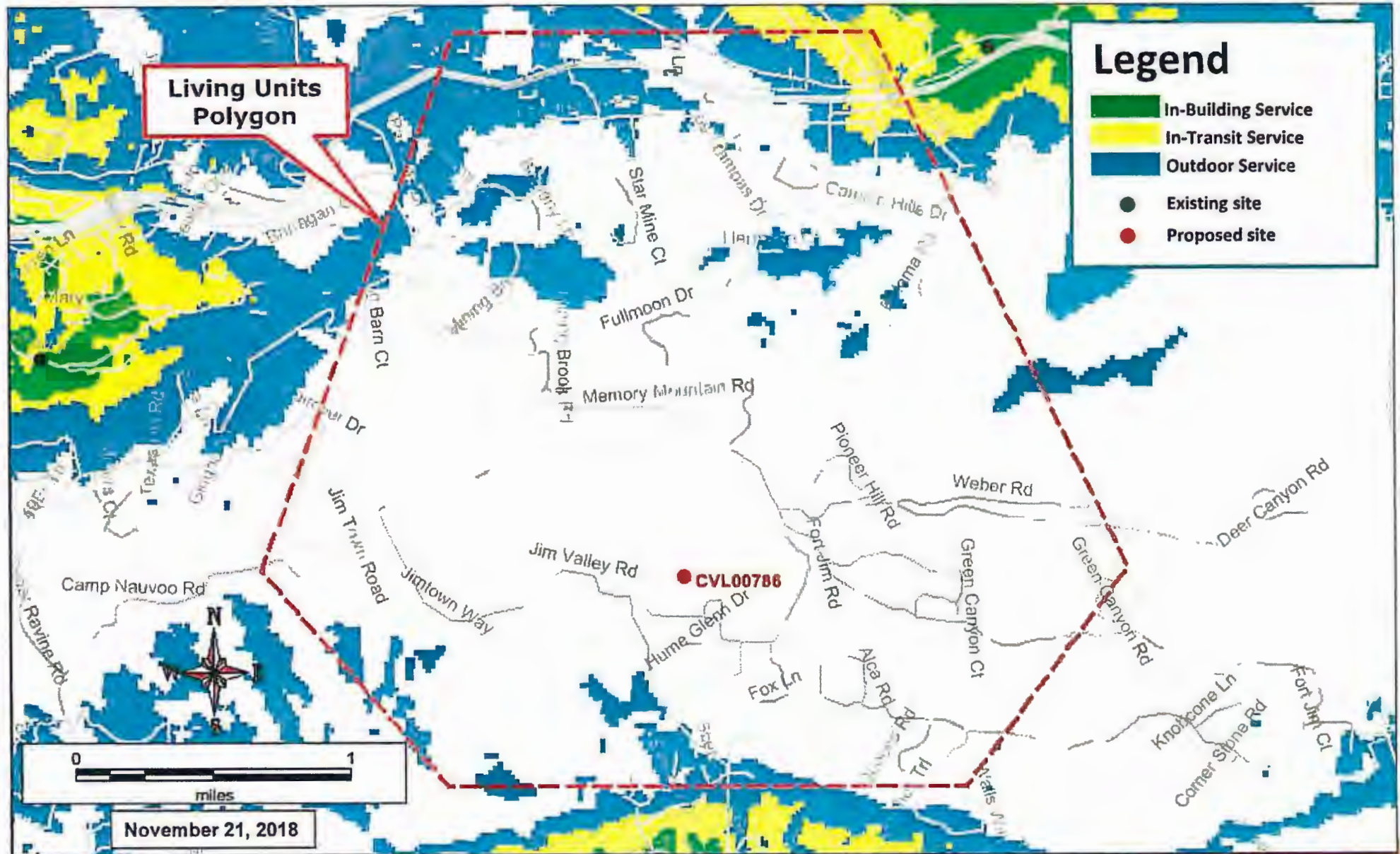
APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
Board of Supervisors
DATE July 23, 2019

BY *Tiffany Schmitz*
EXECUTIVE SECRETARY

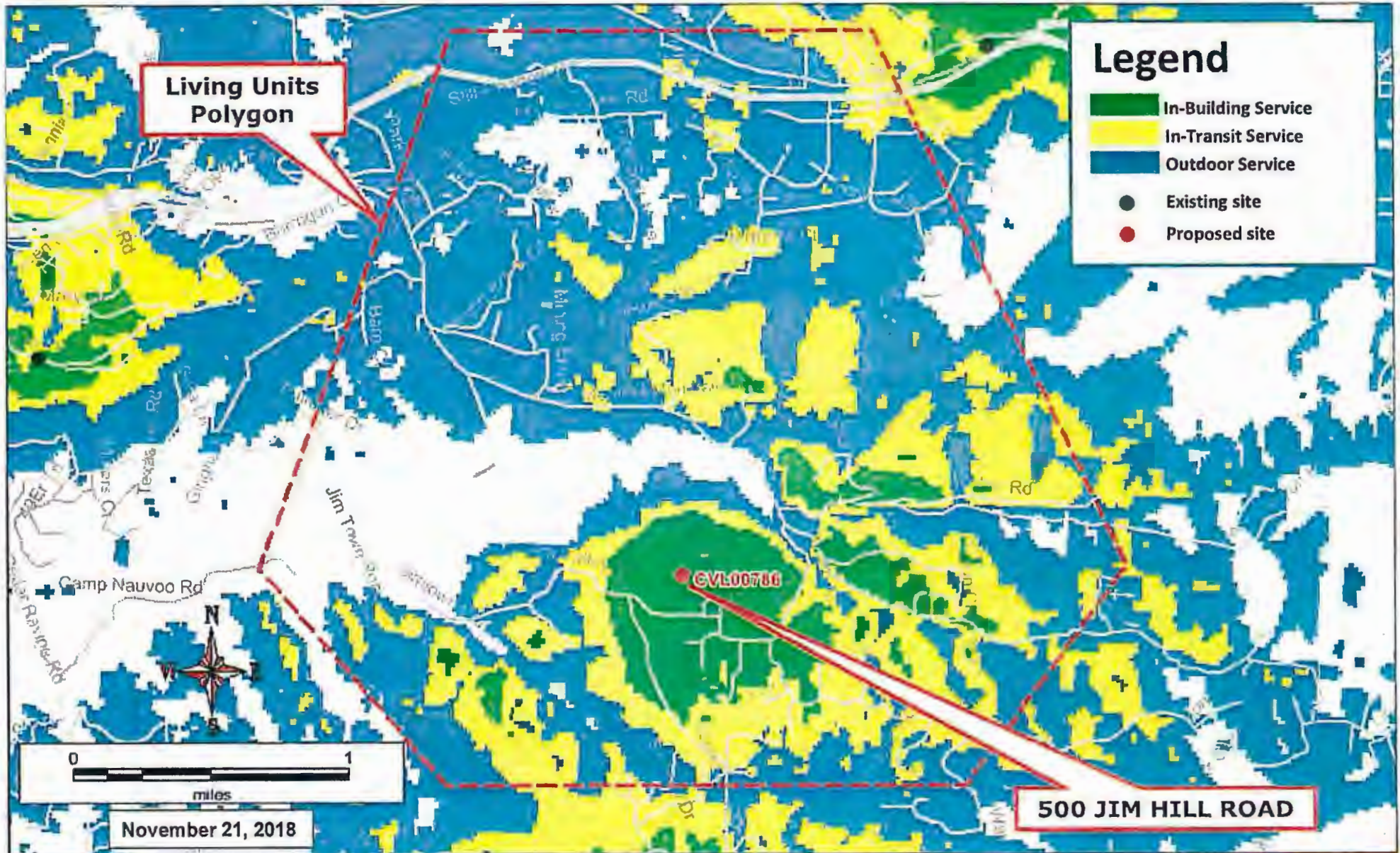
CUP18-0013

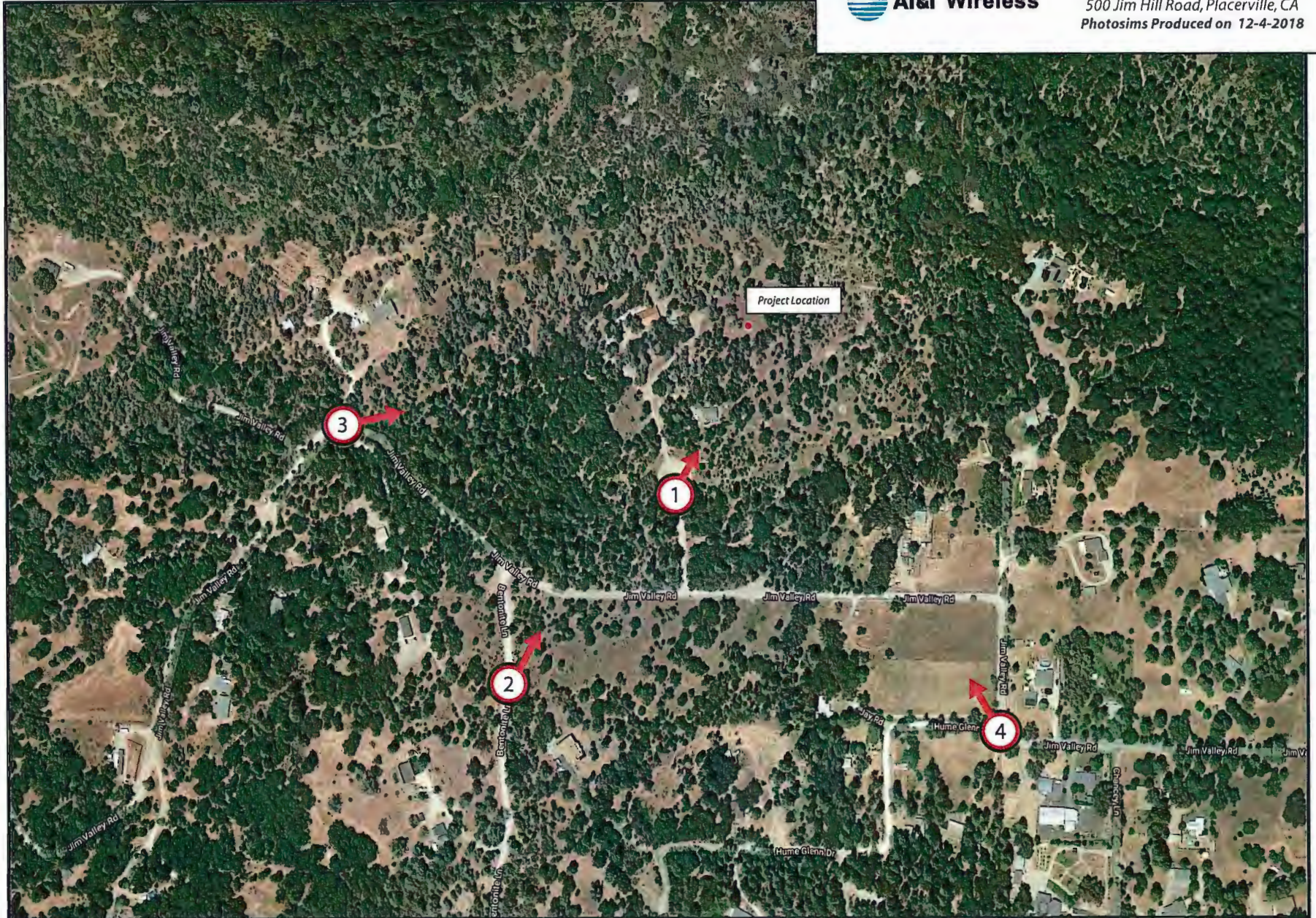
Exhibit G

Existing LTE 700 Coverage



Proposed LTE 700 Coverage (RC = 140')





Approved - EL DORADO COUNTY
PLANNING COMMISSION
Board of Supervisors
DATE *July 23, 2019*
BY *Tiffany Schmidt West*
Shot Point Map

Existing



Proposed



view from Jim Hill Road looking northeast at site



CVL00786 South Placerville
500 Jim Hill Road, Placerville, CA
Photosims Produced on 3-21-2019

Existing



Proposed



view from Bentonite Lane looking northeast at site



CVL00786 South Placerville
500 Jim Hill Road, Placerville, CA
Photosims Produced on 3-21-2019

Existing



Proposed



view from Jim Valley Road looking east at site



CVL00786 South Placerville
500 Jim Hill Road, Placerville, CA
Photosims Produced on 3-21-2019

Existing



Proposed

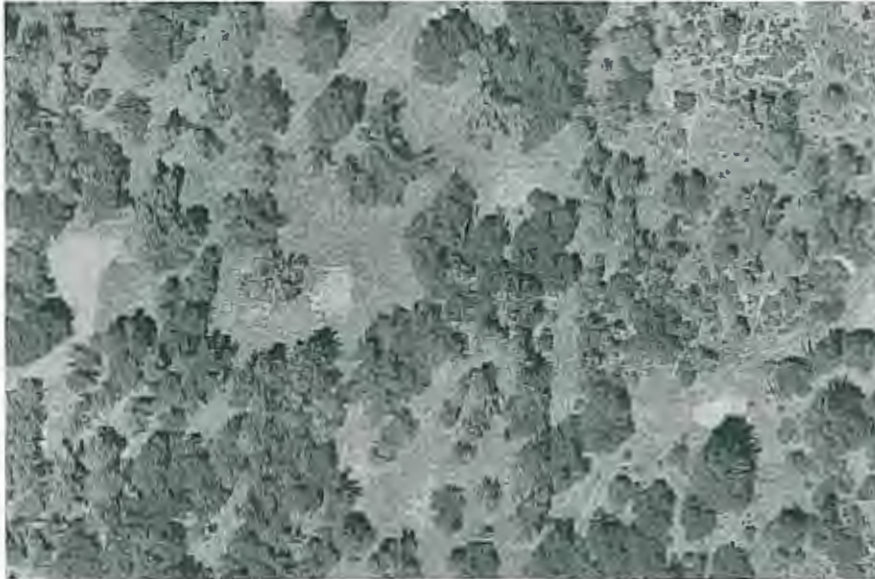


view from Jim Valley Road looking northwest at site



CVL00786 South Placerville
500 Jim Hill Road, Placerville, CA
Photosims Produced on 3-21-2019

ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT



Site Name: South Placerville Swanson
Site ID: CVL00786
USID: 213555
FA Location: 10554721

Site Type: Self Support

Location: 500 Jim Hill Road
Placerville, CA 95667

Latitude (NAD83): 38.711739
Longitude (NAD83): -120.720822

Report Completed: November 28, 2018
AT&T M-RFSC Casey Chan

Prepared By:



APPROVED
EL DORADO COUNTY
~~PLANNING COMMISSION~~
Board of Supervisors
DATE July 23, 2019
BY Tiffany Schmid/End
EXECUTIVE SECRETARY

Prepared for: AT&T Mobility
c/o Caldwell Compliance, Inc.
6900 Koll Center Parkway.
Ste. 401
Pleasanton, CA 94566

Exhibit I

Executive Summary

Occupational Safety & Compliance Engineering (OSC Engineering) has been contracted by Caldwell Compliance, Inc. to conduct an RF (radio frequency) computer simulated analysis. The Federal Communications Commission (FCC) has set limits on RF energy exposed to humans on a wireless cell site in order to ensure safety. The FCC has also mandated that all RF wireless sites must be in compliance with the FCC limits and a compliance check should be performed routinely to ensure site compliance.

This report is an in depth analysis summarizing the results of the RF modeling provided to us by AT&T and in relation to relevant FCC RF compliance standards. A reanalysis is recommended upon the site going on air.

OSC Engineering uses the FCC OET-65 as well as AT&T Standards to make recommendations based on results and information gathered from drawings and Radio Frequency Data Sheets.

For this report, OSC Engineering utilized Roofview® software for the theoretical analysis of the AT&T Cellular Facility.

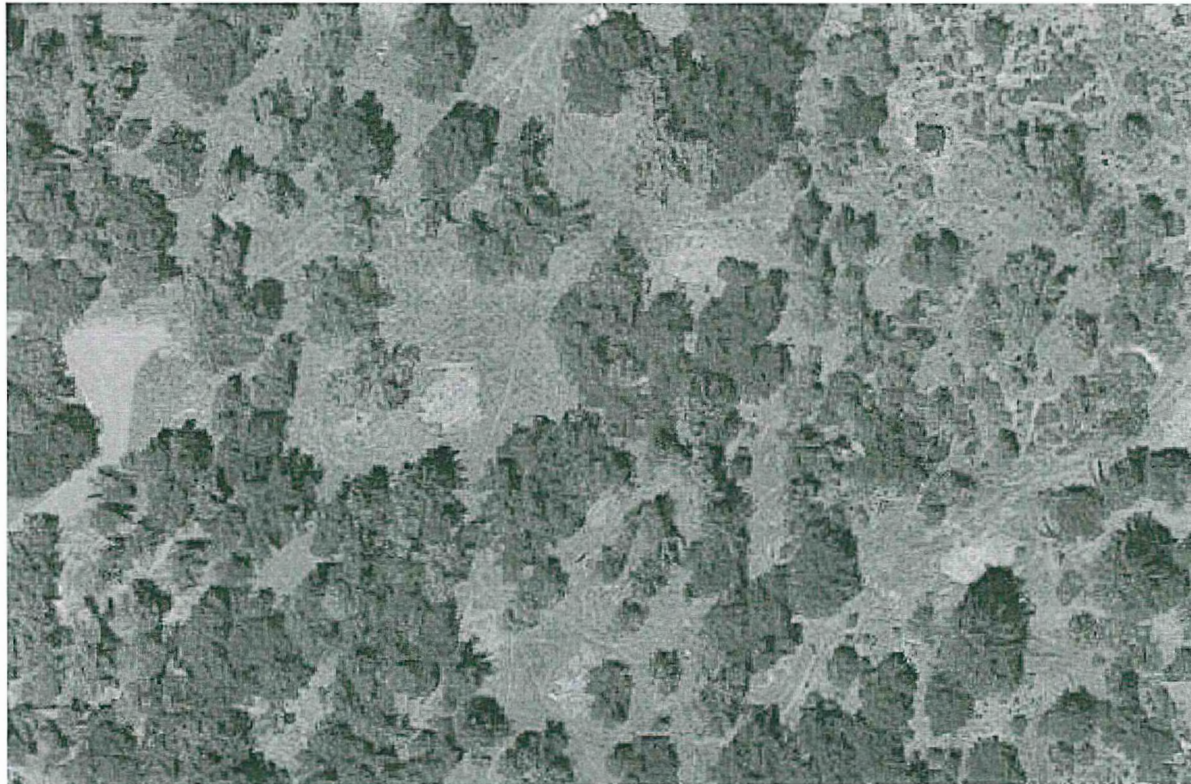
A site-specific compliance plan is recommended for each transmitting site. This report serves as a single piece of the overall compliance plan.

Site Compliance Conclusion

The AT&T site CVL00786 located at 500 Jim Hill Road Placerville, CA 95667 will comply with FCC Guidelines.

Site Overview and Description

- The antennas are mounted on a self support
- The site consists of three (3) sectors with a total of twelve (12) antennas
- The site is within a fenced in area, access to the site is via a gate
- The site is not co-located



Compliance Results of the Proposed Site (theoretical simulation)

A result over 100% does not make a site out of compliance with FCC guidelines. For results over 100% of the FCC Limit, further remediation is required to consider the site compliant per FCC Guidelines. See the last page of this report entitled **RECOMMENDATIONS** for compliance actions required for FCC and AT&T Compliance. Only areas within the demarcated areas (barriers) are over the FCC Limit. The remediation actions bring the site into compliance. Results are given in terms of the FCC General Population. Please see the page entitled **FCC MPE Limits (from OET-65)** for further information. For the purpose of theoretical simulation, OSC Engineering models antennas as if they are operating at full power (100% capacity). This assumption yields more conservative (higher) results. On-site measurements may yield different results, as antennas do not always operate at full capacity.

Max RF Exposure Level simulated (AT&T antennas @ ground):

2.70 % FCC General Population MPE Limit

Antenna Inventory

All technical data and specifications shown below are collected from drawings and/or documents provided by the client, as well as from online databases and/or a visit to this facility. Unknown wireless transmitting antennas are simulated using conservative values when information is not available.

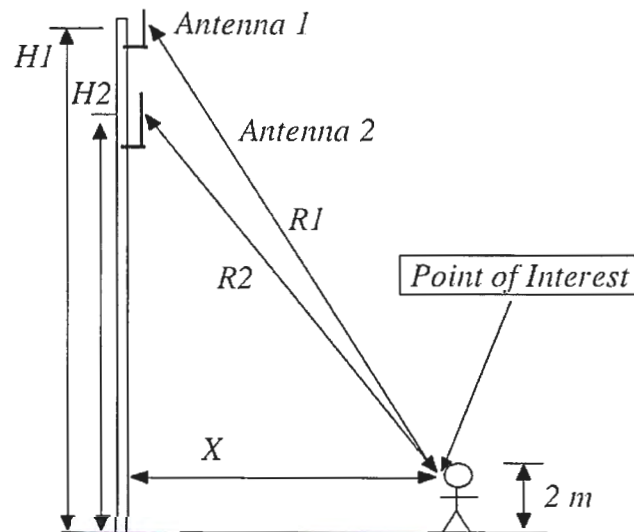
Antenna	Operator / Technology	Frequency (MHz)	Input Power (watts)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (ft)
A1	AT&T LTE	2300	160.00	Panel	Kathrein	800-10865 K	90	136.9
A2	AT&T LTE B17	700	120.00	Panel	Kathrein	800-10966 K	90	136
A2	AT&T LTE	850	120.00	Panel	Kathrein	800-10966 K	90	136
A2	AT&T LTE	1900	160.00	Panel	Kathrein	800-10966 K	90	136
A3	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10966 K	90	136
A3	AT&T LTE	2100	160.00	Panel	Kathrein	800-10966 K	90	136
A4	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10866 K	90	136
B1	AT&T LTE	2300	160.00	Panel	Kathrein	800-10865 K	330	136.9
B2	AT&T LTE B17	700	120.00	Panel	Kathrein	800-10966 K	340	136
B2	AT&T LTE	850	120.00	Panel	Kathrein	800-10966 K	340	136
B2	AT&T LTE	1900	160.00	Panel	Kathrein	800-10966 K	340	136
B3	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10966 K	340	136
B3	AT&T LTE	2100	160.00	Panel	Kathrein	800-10966 K	340	136
B4	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10866 K	340	136

Antenna	Operator / Technology	Frequency (MHz)	Input Power (watts)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (ft)
G1	AT&T LTE	2300	160.00	Panel	Kathrein	800-10865 K	210	136.9
G2	AT&T LTE B17	700	120.00	Panel	Kathrein	800-10966 K	210	136
G2	AT&T LTE	850	120.00	Panel	Kathrein	800-10966 K	210	136
G2	AT&T LTE	1900	160.00	Panel	Kathrein	800-10966 K	210	136
G3	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10966 K	210	136
G3	AT&T LTE	2100	160.00	Panel	Kathrein	800-10966 K	210	136
G4	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10866 K	210	136

FCC Regulations and Guidelines from OET 65

When considering the contributions to field strength or power density from other RF sources, care should be taken to ensure that such variables as reflection and re-radiation are considered. In cases involving very complex sites predictions of RF fields may not be possible, and a measurement survey may be necessary. The process for determining compliance for other situations can be similarly accomplished using the techniques described in this section and in Supplement A to this bulletin that deals with radio and television broadcast operations. However, as mentioned above, at very complex sites measurements may be necessary.

In the simple example shown in the below diagram, it is desired to determine the power density at a given location **X** meters from the base of a tower on which are mounted two antennas. One antenna is a CMRS antenna with several channels, and the other is an FM broadcast antenna. The system parameters that must be known are the total ERP for each antenna and the operating frequencies (to determine which MPE limits apply). The heights above ground level for each antenna, **H1** and **H2**, must be known in order to calculate the distances, **R1** and **R2**, from the antennas to the point of interest.¹



¹ OET Bulletin 65, Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, Page 37- 38

Computer Simulation Analysis

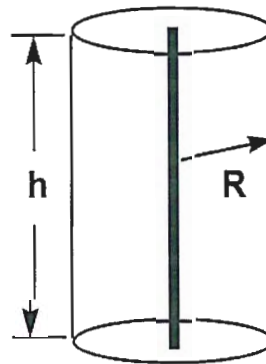
The Federal Communications Commission (FCC) governs the telecommunications services, facilities, and devices used by the public, industrial and state organizations in the United States.

"RoofView® is a software analysis tool for evaluating radiofrequency (RF) field levels at roof-top telecommunications sites produced by vertical collinear antennas of the type commonly used in the cellular, paging, PCS, ESMR and conventional two-way radio communications services."²

"RF near-field levels are computed from selected antennas by applying a cylindrical model that takes into account the antenna's aperture height, mounting height above the roof, azimuthal beam width for directional antennas and the location of the antennas on the roof. Resulting, spatially averaged power densities are expressed as a percentage of a user selectable exposure limit depending on frequency. The entire roof is composed of one-square-foot pixels and RF fields are computed for each of these pixels for each selected antenna."³

Computer simulations produced for clients are simulated with "Uptime = 100%". This means that all transmitters associated with an antenna are considered to be "on".⁴

RoofView® uses a near-field method of computing the field based on assuming that the total input power delivered to the antenna, at its input terminal, is distributed over an imaginary cylindrical surface surrounding the antenna. The height of the cylinder is equal to the aperture height of the antenna while the radius is simply the distance from the antenna at which the field power density is to be computed. Within the aperture of the antenna, this approximation is quite accurate but as the antenna is elevated above the region of interest, the model output must be corrected for mounting height.⁵



$$S = \frac{P}{2\pi Rh}$$

² Roofview User Guide 4.15, Page 7, Richard A Tell Associates

³ Roofview User Guide 4.15, Page 7, Richard A Tell Associates

⁴ Roofview User Guide 4.15, Page 10, Richard A Tell Associates

⁵ Roofview User Guide 4.15, Page 45, Richard A Tell Associates

Certification

The undersigned is a Professional Engineer, holding a California Registration No. 19677

Reviewed and approved by:



John B. Bachoua, PE

Date: November 28, 2018

The engineering and design of all related structures as well as the impact of the antennas on the structural integrity of the design are specifically excluded from this report's scope of work. This report's scope of work is limited to an evaluation of the Electromagnetic Energy (EME) RF emissions field generated by the antennas listed in this report. When client and others have supplied data, it is assumed to be correct.

FCC MPE Limits (from OET-65)

OSC Engineering uses the FCC's and clients' guidelines to model the computer simulation. Explained in detail in Office of Engineering & Technology, Bulletin No. 65 ("OET-65") "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Radiation".

Occupational/controlled⁶ exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. As discussed later, the occupational/controlled exposure limits also apply to amateur radio operators and members of their immediate household.

General population/uncontrolled⁷ exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

⁶ OET-65 "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields pg. 9.

⁷ OET-65 "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields pg. 9.

Limits for Maximum Permissible Exposure (MPE)⁸

"The FCC Exposure limits are based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies whole-body absorption is less efficient, and, consequently, the MPE limits are less restrictive."⁹

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
32-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population /Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f= Frequency in MHz

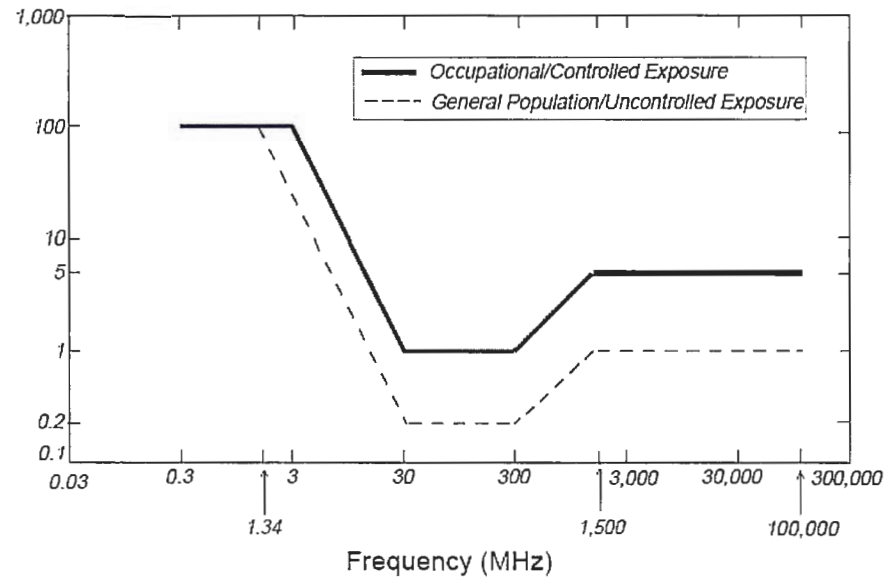
*Plane-wave equivalent power density

⁸ OET-65 "FCC Guidelines Table 1 pg. 72.

⁹ OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 8

Limits for Maximum Permissible Exposure (MPE) continued¹⁰

Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density



“MPE Limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm²), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). In the far-field of a transmitting antenna, where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal (“[plane-wave]” conditions), these quantities are related by the following equation:

$$S = \frac{E^2}{3770} = 37.7H^2$$

where: S = power density (mW/cm²)
 E = electric field strength (V/m)
 H = magnetic field strength (A/m)

¹⁰ OET-65 “FCC Guidelines Table 1 pg. 72.

Limitations

OSC Engineering completed this evaluation analysis based on information and data provided by the client. The data provided by the client is assumed to be accurate. Estimates of the unknown, standard, and additional transmitting sites are noted and based on FCC regulation and client requirements. These are estimated to the best of our professional knowledge. This report is completed by OSC Engineering to determine whether the wireless communications facility complies with the Federal Communications Commission (FCC) Radio Frequency (RF) Safety Guidelines. The Office of Engineering and Technology (OET-65) *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Radiation* has been prepared to provide assistance in determining whether proposed or existing transmitting facilities, operations or devices comply with limits for human exposure to radiofrequency (RF) fields adopted by the Federal Communications Commission (FCC)¹¹. As each site is getting upgraded and changed, this report will become obsolete as this report is based on current information per the client, per the date of the report. Use of this document will not hold OSC Engineering Inc. nor it's employees liable legally or otherwise. This report shall not be used as a determination as to what is safe or unsafe on a given site. All workers or other people accessing any transmitting site should have proper EME awareness training. This includes, but is not limited to, obeying posted signage, keeping a minimum distance from antennas, watching EME awareness videos and formal classroom training.

¹¹ OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 1
OSC Engineering Inc.

AT&T Antenna Shut-Down Protocol

AT&T provides Lockout/Tagout (LOTO) procedures in Section 9.4¹² (9.4.1- 9.4.9) in the ND-00059. These procedures are to be followed in the event of anyone who needs access at or in the vicinity of transmitting AT&T antennas. Contact AT&T when accessing the rooftop near the transmitting antennas. Below is information regarding when to contact an AT&T representative.

9.4.7 Maintenance work being performed near transmitting antennas

Whenever anyone is working within close proximity to the transmitting antenna(s), the antenna sector, multiple sectors, or entire cell site may need to be shut down to ensure compliance with the applicable FCC MPE limit. This work may include but is not limited to structural repairs, painting or non-RF equipment services by AT&T personnel/contractors or the owner of a tower, water tank, rooftop, or other low-centerline sites. The particular method of energy control will depend on the scope of work (e.g., duration, impact to the antenna or transmission cabling, etc.) and potential for RF levels to exceed the FCC MPE limits for General Population/Uncontrolled environments

9.4.8 AT&T Employees and Contractors

AT&T employees and contractors performing work on AT&T cell sites must be trained in RF awareness and must exercise control over their exposure to ensure compliance with the FCC MPE limit for Occupational/Controlled Environments ("Occupational MPE Limit").

The rule of staying at least 3 feet from antennas is no longer always adequate to prevent exposure above the Occupational MPE Limit. That general rule was applied early in the development of cellular when omni-directional antennas were primarily used and later when wide-beamwidth antennas were used. That application was then appropriate for the Occupational exposure category. However, the current prevalence of antennas with 60- and 70- degree horizontal half-power beamwidths at urban and suburban GSM and UMTS/HSDPA sites raises some question about the continued reliability of the 3-foot rule. Antennas with low bottom-tip heights and total input powers around 70-80 W can produce exposure levels exceeding the Occupational MPE Limits at 4 feet, and these levels can be augmented by emissions of co-located operators. Therefore, AT&T employees and contractors should apply the above general work procedures and use an RF personal monitor to assess exposure levels within the work vicinity.

9.4.9 Other Incidental Workers

All other incidental workers who are not trained in RF safety are considered general public and subject to the FCC MPE limits for General Population/Uncontrolled Environments. In such instance, the M-RFSC (primary contact) or R-RFSC (secondary contact) must refer to the Mobility RF site survey plan to assess the potential RF exposure levels associated with the antenna system. If capable of exceeding the FCC General Population/Uncontrolled MPE limit, then local sector/site shutdown is necessary. The FE/FT must also follow the local shutdown procedure and use their RF personal monitor as a screening tool for verification, as necessary.

¹² ND-00059_Rev_5.1 "Lockout/Tagout (LOTO) Procedures" Page 45.

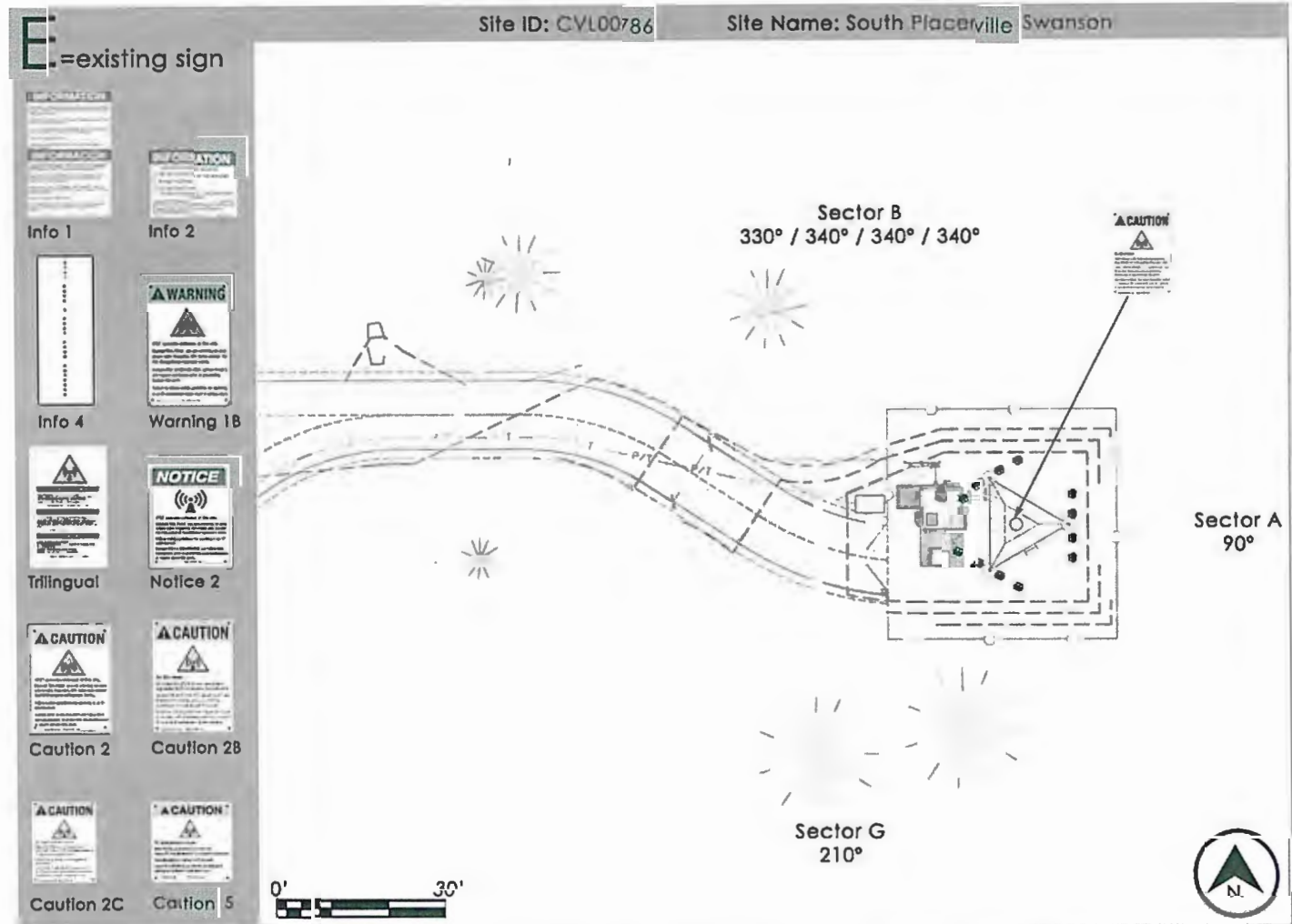
RECOMMENDATIONS

• **AT&T Access Point(s):**
 Caution Sign 2B
 (Tower) @ base of self
 support (to be posted)

• **AT&T Sector A**
 No signage or barrier
 action required

• **AT&T Sector B**
 No signage or barrier
 action required

• **AT&T Sector G**
 No signage or barrier
 action required



If work is being performed in the vicinity of the transmitting antennas, site shut-down procedures must be followed. See page entitled AT&T Antenna Shut-down protocol for further information.