SITE NUMBER: CVL03066

SITE NAME: GRIZZLY FLATS

5060 SCIARONI RD.
GRIZZLY FLATS, CA 95363
JURISDICTION: ELDORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ROAD IMPROVEMENT FROM ROW
3. 40'X45' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 180'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (21) RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 4' MICROWAVE DISHES
11. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VINYL SLATS
12. ADD 35KW LP PROPANE GENERATOR
13. ADD 300 GAL LP PROPANE STORAGE TANK

CODE COMPLIANCE

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

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

DISABLED ACCESS REQUIREMENTS

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

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: GRIZZLY FLATS
SITE NUMBER: CVL03066

SEARCH RING: GRIZZLY FLATS
FA# 13787675
SITE ADDRESS: 5060 SCIARONI RD.
GRIZZLY FLATS, CA 95363

A.P.N. NUMBER: 041-250-27

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESIDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: ELDORADO COUNTY

LATITUDE: N 38° 38' 17.03"

LONGITUDE: W 120° 31' 37.22"

GROUND ELEVATION: ±3929 FT. AMSL

PROPERTY OWNER:
NORMAN A. ANDERSON II
5207 WOODHAVEN DRIVE
GRIZZLY FLATS, CA 95363

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

RFDS DATED 02-15-2017, ISSUE 1.0
REVISION 1.00.00

VICINITY MAP

SPECIAL INSPECTIONS

PROJECT TEAM

APPLICANT / LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

RF ENGINEER:
AT&T CONTACT: MUHAMMAD AHMED
EMAIL: MA5129@ATT.COM

PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1446

SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 755-1328

CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANNS
EMAIL: PETE.MANNS@EPICWIRELESS.NET
PH: (530) 383-5957

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 933-2763

ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGHORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR:
VINCULUMS CM
CONTACT: KEN ABEL
EMAIL: KABEL@VINCULUMS.COM
PH: (916) 844-4602

DIRECTIONS FROM AT&T

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

2600 CAMINO RAMON SAN RAMON, CA 94583

1. GET ON I-680 S FROM CAMINO RAMON AND BOLLINGER CANYON RD 4 MIN (1.3 MI)
2. HEAD EAST 157 FT TURN RIGHT TOWARD CAMINO RAMON 0.3 MI
3. TURN RIGHT ONTO CAMINO RAMON 0.2 MI
4. CONTINUE STRAIGHT TO STAY ON CAMINO RAMON 0.1 MI
5. TURN RIGHT ONTO BOLLINGER CANYON RD 0.5 MI
6. USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE 0.3 MI
7. TAKE I-580 E, I-205 E, I-5 N AND CA-88 E TO CA-124 N IN AMADOR COUNTY 1 H 27 MIN (87.5 MI)
8. MERGE ONTO I-680 S 3.9 MI
9. USE THE RIGHT 2 LANES TO TAKE EXIT 30B TO MERGE ONTO I-580 E TOWARD STOCKTON 20.5 MI
10. KEEP LEFT TO CONTINUE ON I-205 E, FOLLOW SIGNS FOR INTERSTATE 205/TRACY/STOCKTON 14.5 MI
11. MERGE ONTO I-5 N 12.3 MI USE THE RIGHT LANE TO TAKE THE CA-4 E EXIT TOWARD STOCKTON 0.7 MI
13. KEEP LEFT AND MERGE ONTO CA-4 2.7 MI
13. USE THE LEFT 2 LANES TO TAKE EXIT 69D TO MERGE ONTO CA-99 N TOWARD SACRAMENTO 1.8 MI
14. TAKE EXIT 22G FOR CA-88 E/WATERLOO ROAD TOWARD JACKSON 0.2 MI
15. TURN RIGHT ONTO CA-88 E (SIGNS FOR JACKSON/WATERLOO ROAD) 19.1 MI
16. TURN LEFT TO STAY ON CA-88 E 11.7 MI
17. CONTINUE ON CA-124 N TO CA-16 E 12 MIN (10.5 MI)
18. TURN LEFT ONTO CA-124 N 2.3 MI
19. TURN LEFT ONTO E MAIN ST 341 FT
20. TURN RIGHT ONTO PRESTON AVE 0.1 MI
21. TURN RIGHT ONTO CA-124 N 8.8 MI
22. TURN RIGHT ONTO CA-16 E 34 S (53 MI)
23. TAKE SHENANDOAH RD, MT AUKUM RD AND GRIZZLY FLAT RD TO SCIARONI RD IN GRIZZLY FLATS 30 MIN (32.2 MI)
24. CONTINUE ONTO CA-49 N 2.6 MI
25. TURN RIGHT ONTO SHENANDOAH RD 0.5 MI
26. TURN LEFT TO STAY ON SHENANDOAH RD 8.8 MI
27. CONTINUE ONTO MT AUKUM RD 8.8 MI
28. TURN RIGHT ONTO GRIZZLY FLAT RD 8.3 MI
29. CONTINUE ONTO STRING CANYON RD 3.5 MI
30. TURN RIGHT ONTO SCIARONI RD 0.2 MI

5060 SCIARONI RD., GRIZZLY FLATS, CA 95636

APPROVALS

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

SHEET INDEX

REV		
	T-1	TITLE SHEET
	GN-1	GENERAL NOTES
	C-1	SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY
	C-2	EROSION CONTROL NOTES
	C-2.1	GRADING PLAN & DETAILS
	A-1	OVERALL SITE PLAN – EXTERIOR EQUIPMENT SHELTER
	A-1.1	SITE PLAN – EXTERIOR EQUIPMENT SHELTER
	A-2	EQUIPMENT AREA PLAN – EXTERIOR EQUIPMENT SHELTER
	A-3	ANTENNA PLAN & DETAILS – MONOPINE
	A-4.1	PROPOSED MONOPINE NORTH – SOUTH ELEVATION
	A-4.2	PROPOSED MONOPINE WEST – EAST ELEVATION

EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

Site 1 - Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

DIGALERT
800-227-2600

Issued For:
GRIZZLY FLATS
5060 SCIARONI RD.
GRIZZLY FLATS, CA 95363

PREPARED FOR
at&t
2600 Camino Ramon, 4W 830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

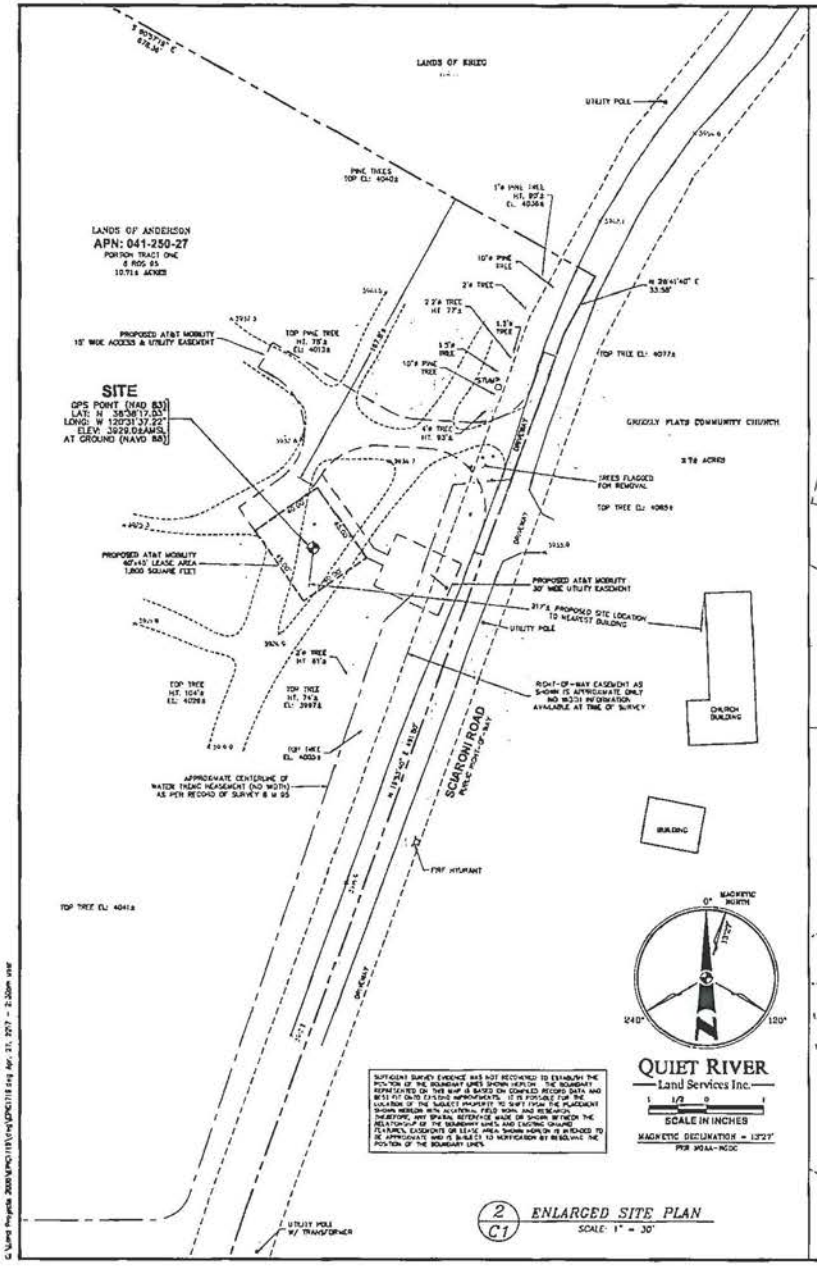
REV.	DATE	DESCRIPTION
0	04/25/17	ZD READ
0	04/27/17	ZD LOG

License:
No. 84674

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

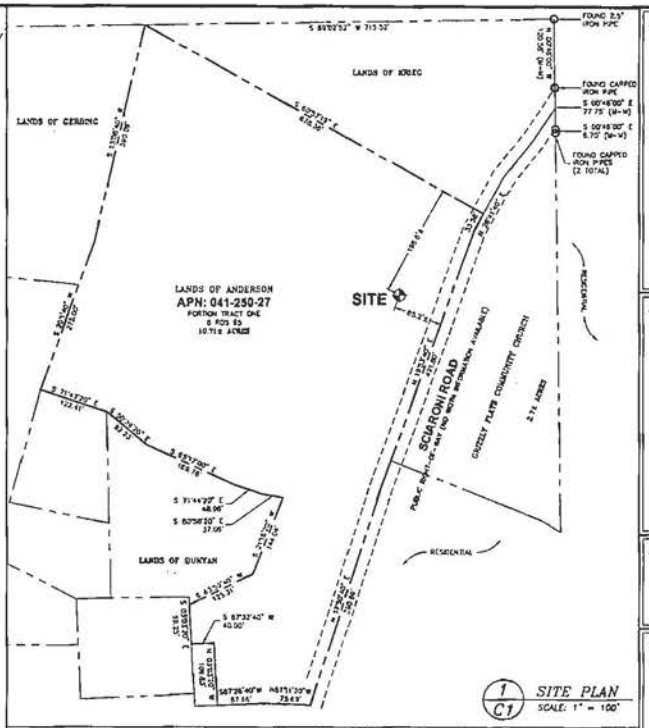
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

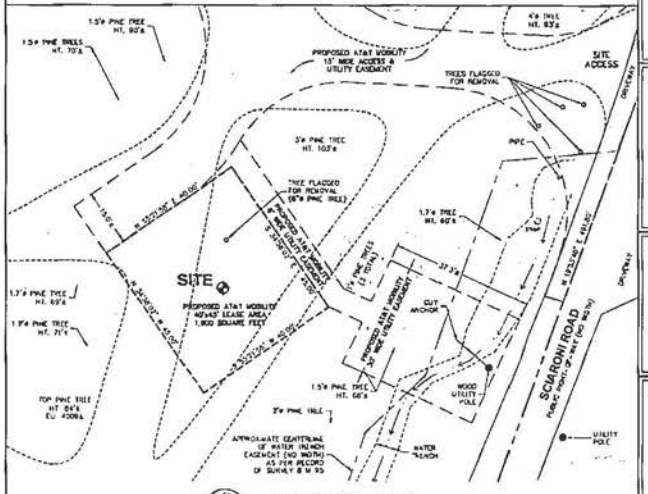


SUFFICIENT SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND MUST NOT OVERLOOK IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE, ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA SHOWN HEREON IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.

2/C1 ENLARGED SITE PLAN
SCALE: 1" = 30'

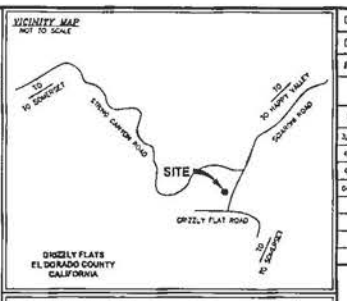


1/C1 SITE PLAN
SCALE: 1" = 100'



3/C1 LEASE AREA PLAN
SCALE: 1" = 15'

VICINITY MAP
NOT TO SCALE



GRIZZLY FLATS
EL DORADO COUNTY
CALIFORNIA

PROPERTY INFORMATION

Owner: NORMAN & MADELYN H
Address: 5207 WOODHAVEN DRIVE
GRIZZLY FLATS, CA 95363

Site: GRIZZLY FLATS
Address: 5060 SCIARONI ROAD
GRIZZLY FLATS, CA 95363

Assessor's Parcel Number: 041-250-27

Height of Building/Tower: N/A

Title Report:
A PRELIMINARY REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY REPORT NO. 3026800-5360734, DATED AS OF DECEMBER 12, 2016

Legal Description:
PROPERTY SITUATED IN THE CITY OF GRIZZLY FLATS, COUNTY OF EL DORADO, STATE OF CALIFORNIA.

FEMA FLOOD ZONE DESIGNATION
National Flood Insurance Program

County: EL DORADO Effective Date: SEPTEMBER 26, 2008
Community-Panel Number: 060137C-0625-E
The Flood Zone Designation for this site as posted by scale is:

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

SURVEY DATA

NAD 83 Datum
Lat: N 38°38'17.05" Long: W 120°31'37.22"
Datum Base: NAD 83 Equipment Used: DHD1000-DPUS Receiver (See Note 2)
Site Ground Elevation: 3929.0± AMSL (NAVD88) AT SITE LOCATION
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS)
(SEE NOTE 2)
Basis of Bearings:
CALIFORNIA COORDINATES ZONE II AND MONUMENTS AS SHOWN ON RECORD OF SURVEY MAP FILED IN BOOK 8 AT PAGE 95 IN THE RECORDS OF EL DORADO COUNTY
Date of Field Survey: MARCH 13, 2017

NOTES

1) This is not a boundary survey. This is a generalized topographic map with property lines and easements being a graphic depiction of various information gathered from geometric title reports, boundary documents of record, maps and easements found during the field survey. No property monumentation was set. No title research was performed by Quiet River Land Services, Inc.

2) The latitudes, longitudes and elevation shown hereon were derived from post-processed L1/L2 data collected using Navstar Global Positioning System (GPS) and a DHD1000-DPUS Precise GNSS Reception Questionnaire report exceeding four positions) when site is properly collected and processed. (Elevation +/- ±3.0 feet.)

3) Unless otherwise noted, no underground utility locating service company was contacted prior to the map being prepared. Therefore, there may be non-visible or obscure utilities existing on the property not shown on this map – we CALL BEFORE YOU DIG.

4) Any electronic digital media provided by Quiet River Land Services, Inc. to our client is a courtesy and is not to be reproduced, distributed, sold, altered, revised, edited or amended without the express written consent of an Officer of Quiet River Land Services, Inc. Further, only the hard stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, observations, record boundary lines, bearings and distances as shown hereon are based upon a field survey as noted above and upon terms of public record and note contained in a title report as referenced. Furthermore, the Latitude and Longitude coordinates are reported in NAD 83 Datum and are accurate to within ±10 feet horizontally and the ground elevation, reported in NAVD 1988 Datum, is within ±3 feet vertically. The coordinates values and elevations are within the 1-A Accuracy Code designation as listed in the A.S.A.C. information Sheet #1.003 and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL	ELEVATION	△	CONTROL POINT
FH	FIRE HYDRANT	○	FOUND MONUMENT
FND	FOUND	◇	GPS POINT
HT.	HEIGHT	(M-M)	MONUMENT TO MONUMENT
MON	MONUMENT	P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCEMENT	PP	POWER POLE
(TYP.)	TYPICAL	0.15↑ / 123↑	PARAPET/ROOF ELEVATIONS
+123	SPOT ELEVATION	BM	TEMPORARY BENCHMARK

DATE:	APRIL 24, 2017
DRAWN BY:	MAS
FILE NO.:	EPIC1719

REVISIONS

DATE	DESCRIPTION	INITIAL
3/15/17	90% ISSUE	MAS
4/20/17	100% ISSUE	RD
4/21/17	REVISE ACCESS EASEMENT	RD
04/24/17	REVISE EASEMENT & SITE NAME	MAS

at&t
AT&T MOBILITY
5001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 734-6728 Phone

EXISTING SITE CONDITIONS

CVL03066
GRIZZLY FLATS

5060 SCIARONI ROAD
GRIZZLY FLATS, CA 95363

C1
OF 1 SHEET

G:\Survey Projects 2008\PROJECTS\CVL\CVL03118.dwg Apr. 21, 2017 - 2:20pm vmir

GENERAL CONSTRUCTION NOTES:

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING VALVES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACDA	ANTENNA CABLE COVER ASSEMBLY
ADDL	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPROX.	APPROXIMATE(LY)
ARCH.	ARCHITECTURAL
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
¢	CENTER LINE(S)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXIST.(E)	EXISTING
EXT.	EXTERIOR
(F)	FUTURE
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROMMET (CABINET)
GA	GAUGE
GL	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
IGSB.	ISOLATED COPPER GROUND BUS
IN. (")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D/	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE (WIDTH)
W/	WITH
W.O.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
P	PLATE, PROPERTY LINE

SYMBOLS LEGEND

- 1 A-301 / 1 A-302 — BLDG. SECTION / ROAD SECTION
- A5 A-212 — WALL SECTION
- D5 A-800 — DETAIL
- C3 A-113, A4 A-112, C4 A-113, A1 A-113 — ELEVATION
- 101 — DOOR SYMBOL
- 10 — WINDOW SYMBOL
- 1 — TILT-UP PANEL MARK
- PROPERTY LINE
- CENTERLINE
- 100'-0" — ELEVATION DATUM
- A — GRID/COLUMN LINE
- 3 — KEYNOTE, EXISTING ITEM
- 2 — KEYNOTE, CONSTRUCTION ITEM
- WALL TYPE MARK
- OFFICE 100 — ROOM NAME, ROOM NUMBER

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

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

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

2600 Camino Ramon, 4th Floor N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION

Licensor:

REGISTERED PROFESSIONAL ENGINEER CRAIG W. HOMER No. 84674 CIVIL STATE OF CALIFORNIA

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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE

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

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

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

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

A. SOLID WASTE MANAGEMENT:
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY

C. CONCRETE WASTE:
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.

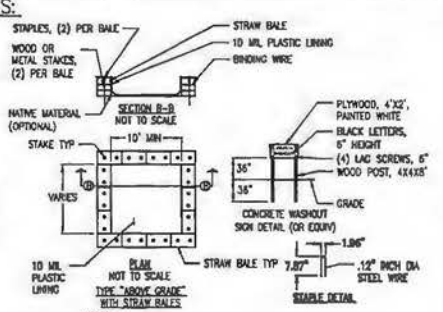
E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.

F. HAZARDOUS WASTE MANAGEMENT:
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ANY AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS OFF A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP'S (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS, AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

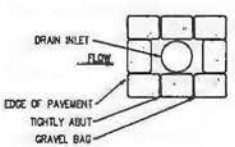
STORM WATER QUALITY NOTES:

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

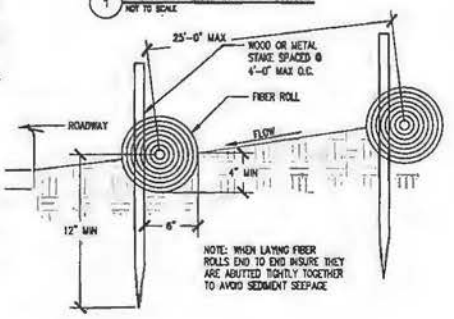


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

1 CONCRETE WASHOUT DETAIL
NOT TO SCALE

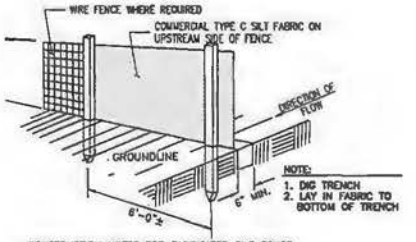


2 DRAIN INLET DETAIL
NOT TO SCALE



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

3 FIBER ROLL DETAIL
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

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

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

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

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.

4 TYPE C SILT FENCE DETAIL
NOT TO SCALE

Issued For:
GRIZZLY FLATS
5060 SCIARONI RD.
GRIZZLY FLATS, CA 95363

PREPARED FOR
at&t
2600 Camino Ramon, 4W850N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

NO	DATE	DESCRIPTION
0	04/25/17	30 %
0	09/21/17	30 %
REV	DATE	DESCRIPTION

License:
No. 84674
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

Engineer:
ADAPTIVE RE-USE ENGINEERING
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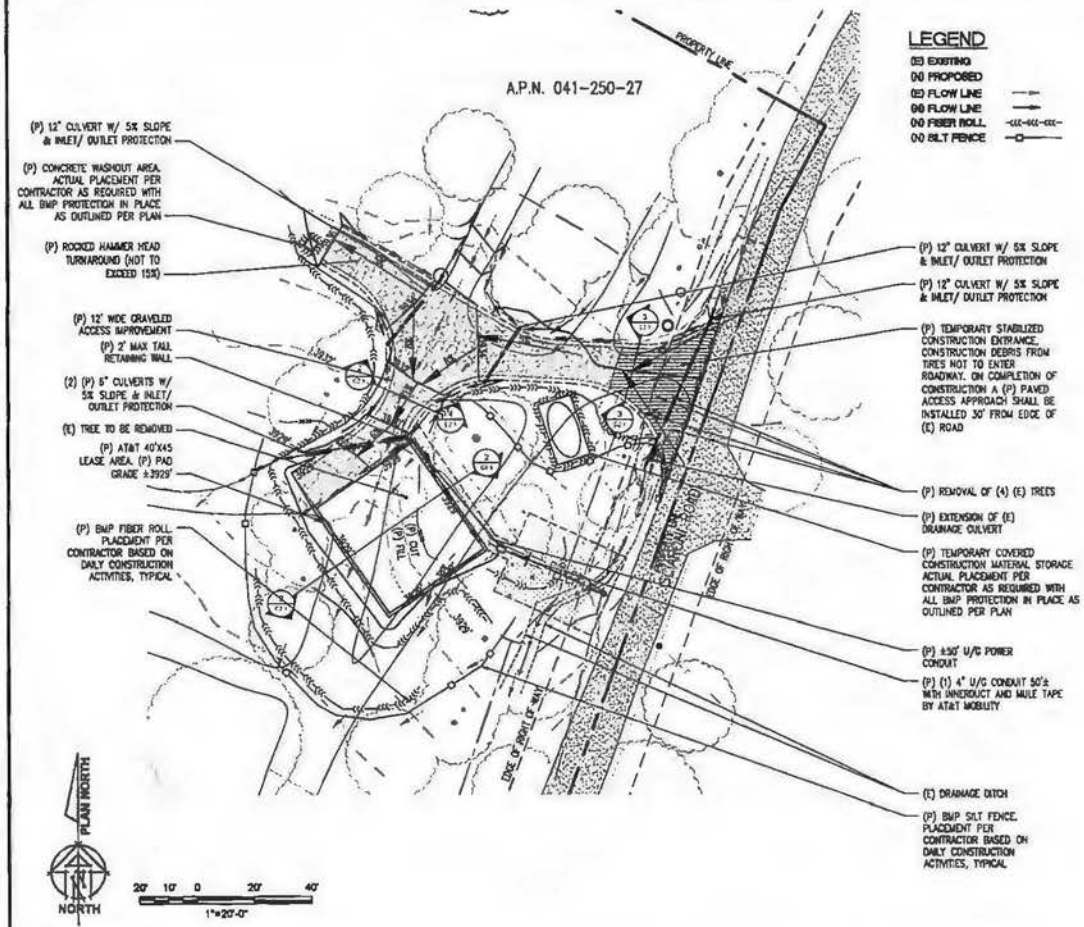
SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-2



LEGEND

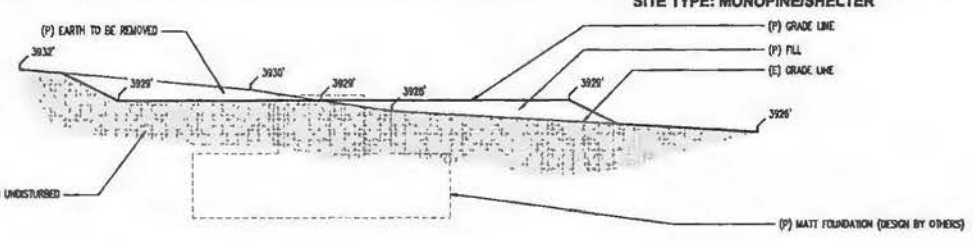
- (E) EXISTING
- 00 PROPOSED
- (E) FLOW LINE
- 00 FLOW LINE
- 00 FIBER ROLL
- 00 SILT FENCE

CONSTRUCTION EROSION/ SEDIMENTATION CONTROL PLAN NOTES:

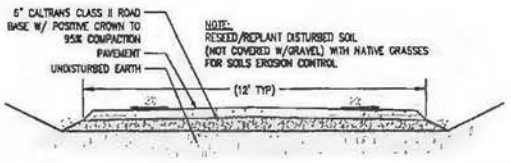
1. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
2. GRAVEL BAGS WITH FIBER ROLLS AND SILT BARRIER AS NEEDED AND/OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION.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

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 80'±. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 30.00 CUBIC YARDS.

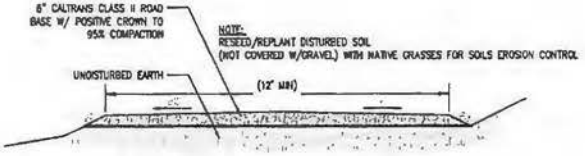
1 GRADING PLAN
1"=20'-0"



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



3 ACCESS ROAD DETAIL
NOT TO SCALE



4 ACCESS ROAD DETAIL
NOT TO SCALE

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

2600 Camino Ramon, 4W550N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04/2017	ZD-1015
0	04/27/17	ZD-1015

License:

No. 84674

Engineer:

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

SHEET TITLE:

GRADING PLAN AND DETAILS

SHEET NUMBER:

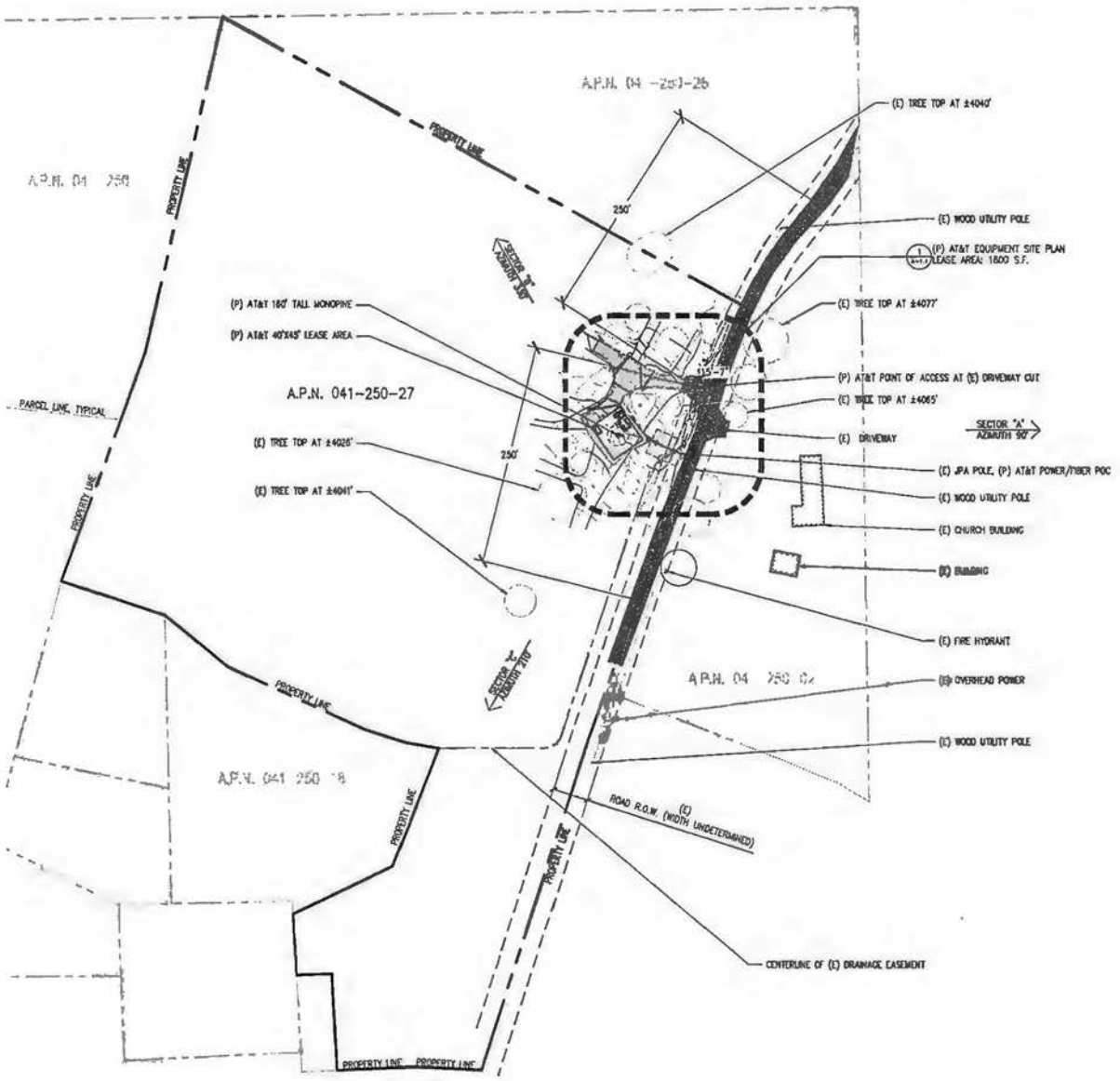
C-2.1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH, AND STREET HALF-WIDTH(S) HAVE BEEN OBTAINED FROM A BASE PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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



PLAN NORTH

NORTH

60' 30' 0 60' 120'

1"=60'-0"

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

SITE TYPE: MONOPINE/SHELTER

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
1	04/25/17	CD RVS
0	04/07/17	CD ISSUE

Licensor:

No. 84674

I'M A DECLARATION OF LAW FOR ANY PERSON WHO ARE NOT SO UNDER THE SUPERVISION OF A DULY LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Engineer:

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SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

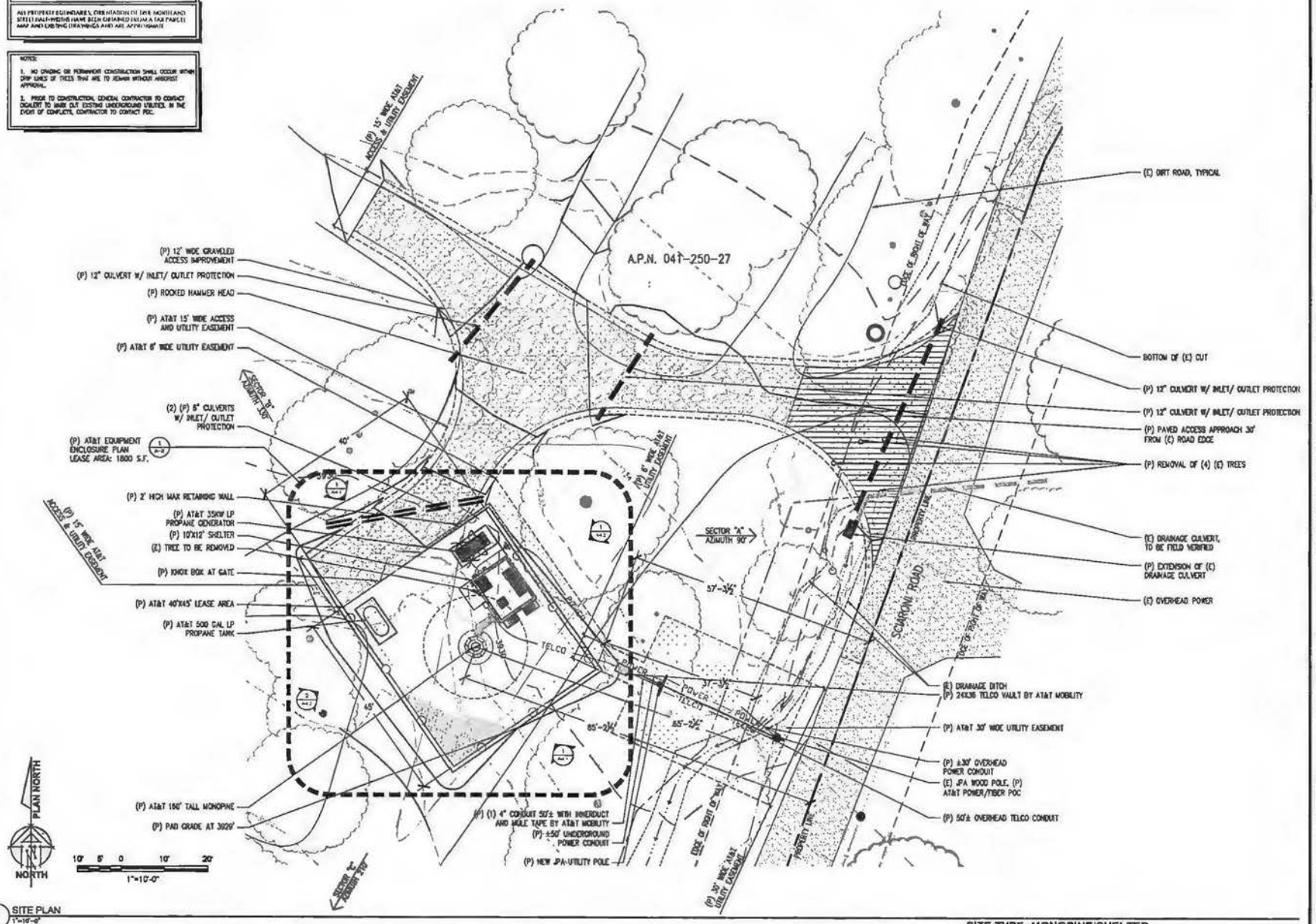
A-1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF LOT, MONUMENT AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE

NOTES:

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



1 SITE PLAN
1"=10'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

2600 Camino Ramon, 4W 850 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CV103066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04.26.17	ZD-1 PS
1	04.27.17	ZD-1 CDs

Licensor:

No. 84674

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Engineer:

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SACRAMENTO, CA 95821
craigmhorner@yahoo.com

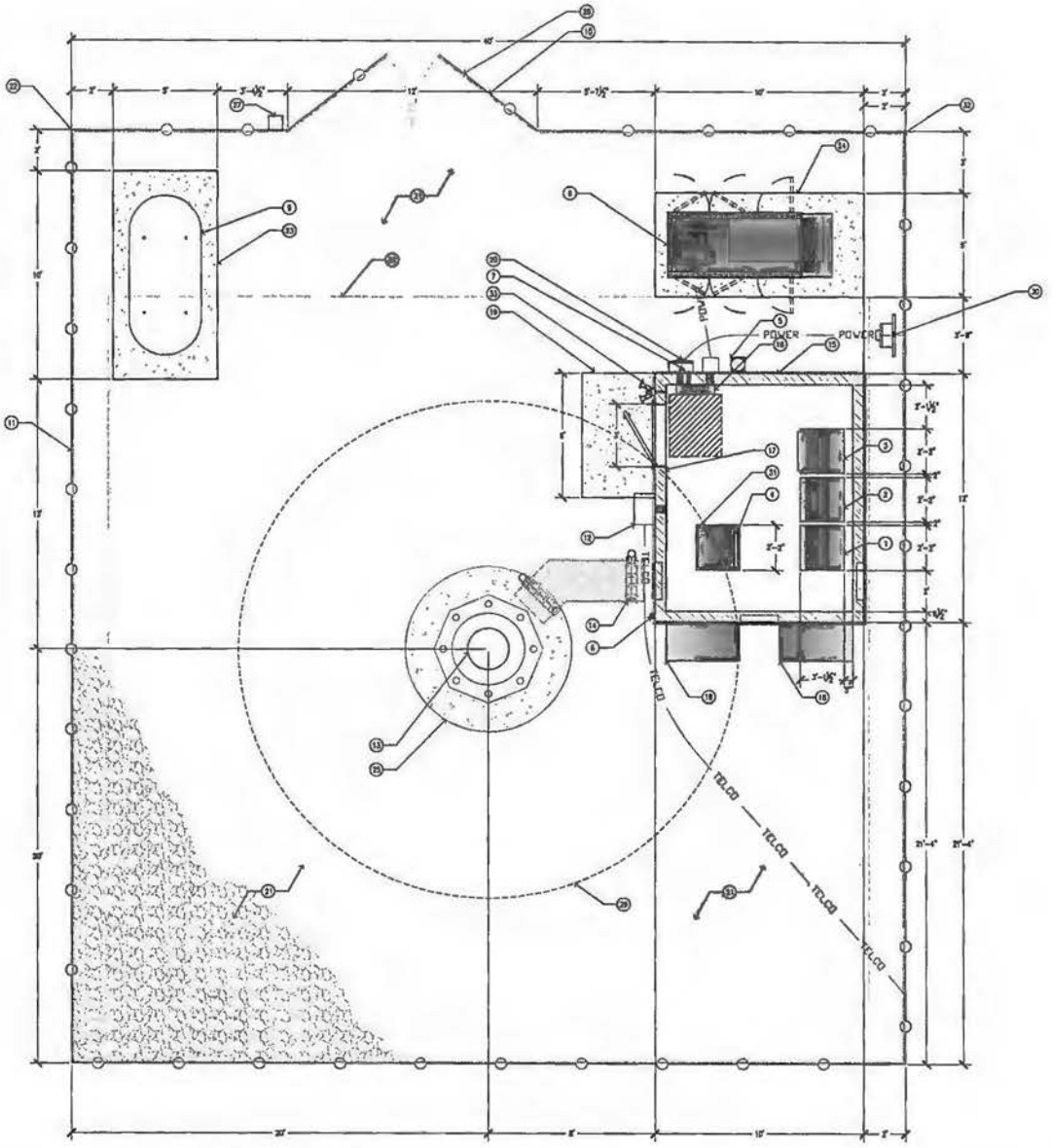
SHEET TITLE:

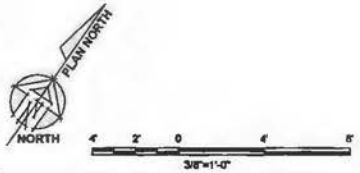
SITE PLAN

SHEET NUMBER:

A-1.1

KEYNOTES





1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

3400 Camino Ramon, #NB50 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04/25/17	ZONING
0	04/27/17	ZONING

Licensed:

No. 84674 CRAIG M. HOMER CIVIL STATE OF CALIFORNIA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

Engineer:

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SACRAMENTO, CA 95821
craigmhomer@yahoo.com

SHEET TITLE:

EQUIPMENT AREA PLAN

SHEET NUMBER:

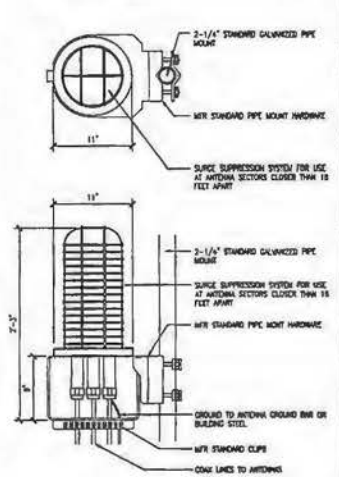
A-2

RAYCAP DC6-48-60-18-8F &
DC6-48-60-0-8F SURGE SUPPRESSION SOLUTIONS

COLOR: BLACK/SILVER

DIMENSIONS: 11" DIA X 27" TALL W/ 9" BASE

WEIGHT: +/- 20 LBS. (INCLUDING MOUNTING HARDWARE)



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

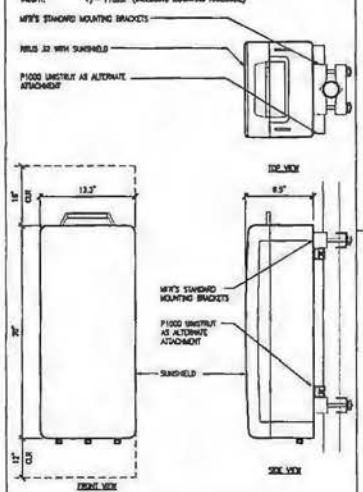
ERICSSON WCS RRU-32

MODEL: KRC161 633/1

COLOR: WHITE

DIMENSIONS: 26.9" TALL X 13.3" WIDE X 8.5" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 77LBS. (INCLUDING MOUNTING HARDWARE)



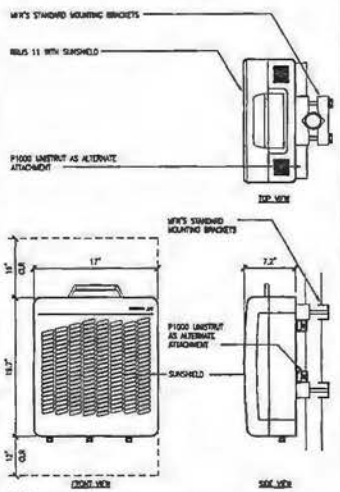
2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"

ERICSSON RRUS 11 REMOTE RADIO UNIT

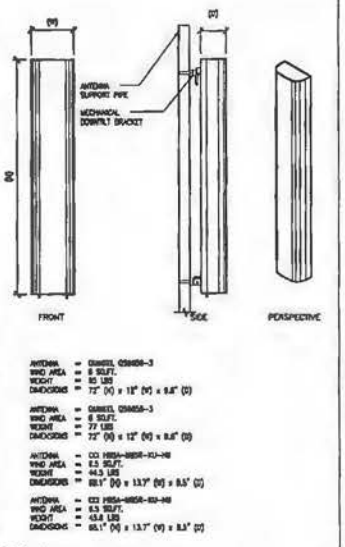
COLOR: WHITE

DIMENSIONS: 18.7" TALL X 17" WIDE X 7.2" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



3 ERICSSON RRUS-11 REMOTE RADIO UNIT
1 1/2"=1'-0"



ANTENNA = COMMSCOPE NHH-65B-R2B
WIND AREA = 6 SQ.FT.
WEIGHT = 50 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.9" (D)

ANTENNA = COMMSCOPE NHH-65B-R2B
WIND AREA = 6 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.9" (D)

ANTENNA = CCI HBSA-65R-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 44.3 LBS
DIMENSIONS = 55.1" (H) x 13.7" (W) x 8.5" (D)

ANTENNA = CCI HBSA-65R-KU-H6
WIND AREA = 6.3 SQ.FT.
WEIGHT = 43.8 LBS
DIMENSIONS = 55.1" (H) x 13.7" (W) x 8.3" (D)

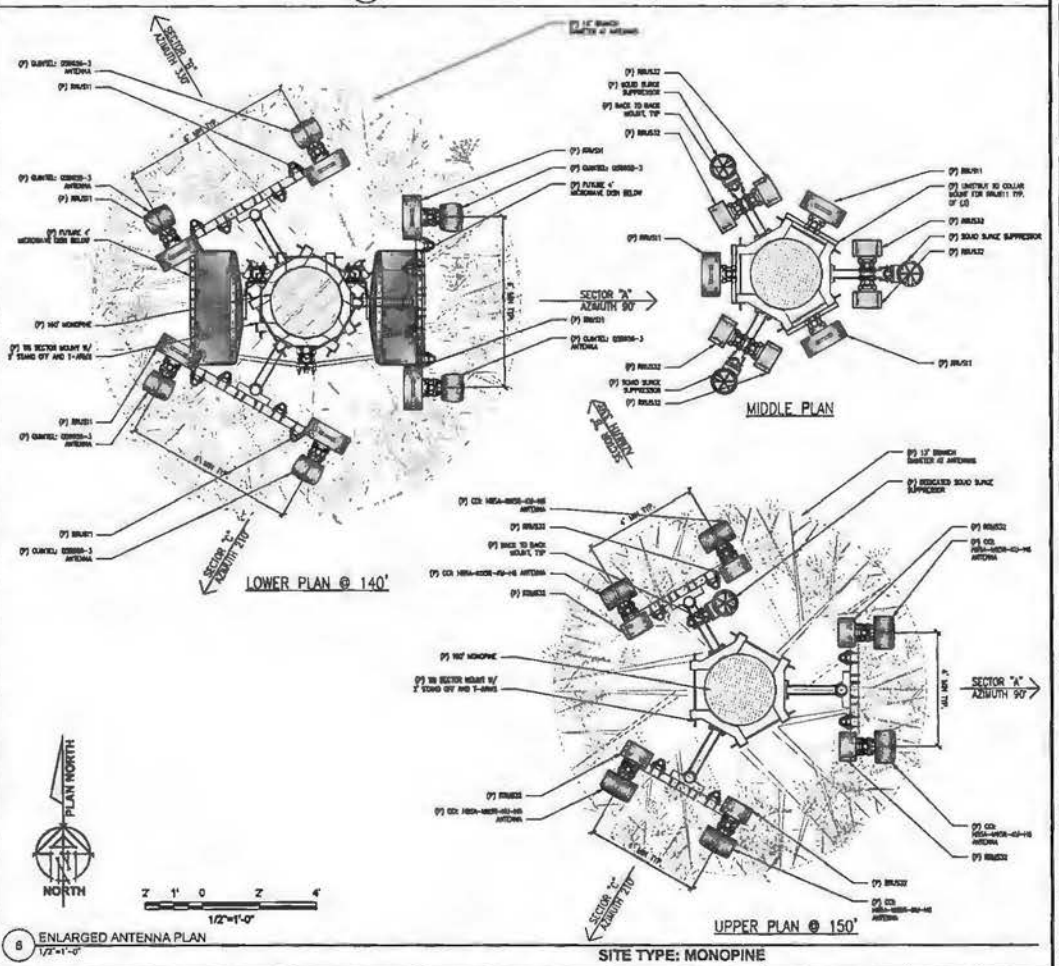
4 HEX ANTENNA SPEC
3/4"=1'-0"

RF SCHEDULE

SECTOR		ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	QS6656-3	90°	± 140'-0"	(2) RRUS 32 (2) RRUS 32	N/A	± 170'	± N/A	TRUNK 1
	A2	QS6658-3	90°	± 140'-0"	(2) RRUS 32 (2) RRUS 32	N/A	± 170'	± N/A	TRUNK 1
	A3	HBSA-M65R-KU-H6	90°	± 150'-0"	(2) RRUS 32	N/A	± 180'	± N/A	TRUNK 4
	A4	HBSA-M65R-KU-H6	90°	± 150'-0"	(2) RRUS 32	N/A	± 180'	± N/A	TRUNK 4
BETA	B1	QS6656-3	330°	± 140'-0"	(2) RRUS 32 (2) RRUS 32	N/A	± 170'	± N/A	TRUNK 2
	B2	QS6658-3	330°	± 140'-0"	(2) RRUS 32 (2) RRUS 32	N/A	± 170'	± N/A	TRUNK 2
	B3	HBSA-M65R-KU-H6	330°	± 150'-0"	(2) RRUS 32	N/A	± 180'	± N/A	TRUNK 4
	B4	HBSA-M65R-KU-H6	330°	± 150'-0"	(2) RRUS 32	N/A	± 180'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	210°	± 140'-0"	(2) RRUS 32 (2) RRUS 32	N/A	± 170'	± N/A	TRUNK 3
	C2	QS6658-3	210°	± 140'-0"	(2) RRUS 32 (2) RRUS 32	N/A	± 170'	± N/A	TRUNK 3
	C3	HBSA-M65R-KU-H6	210°	± 150'-0"	(2) RRUS 32	N/A	± 180'	± N/A	TRUNK 4
	C4	HBSA-M65R-KU-H6	210°	± 150'-0"	(2) RRUS 32	N/A	± 180'	± N/A	TRUNK 4

5 RF SCHEDULE
NOT TO SCALE

RF DATA SHEET v1.00.00 DATED 08/15/17



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

SITE TYPE: MONOPINE

Project for:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

2600 Camino Ramon, 4W330 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04/25/17	ZD RFE
0	04/27/17	ZD RFE

License:

No. 84674

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Engineer:

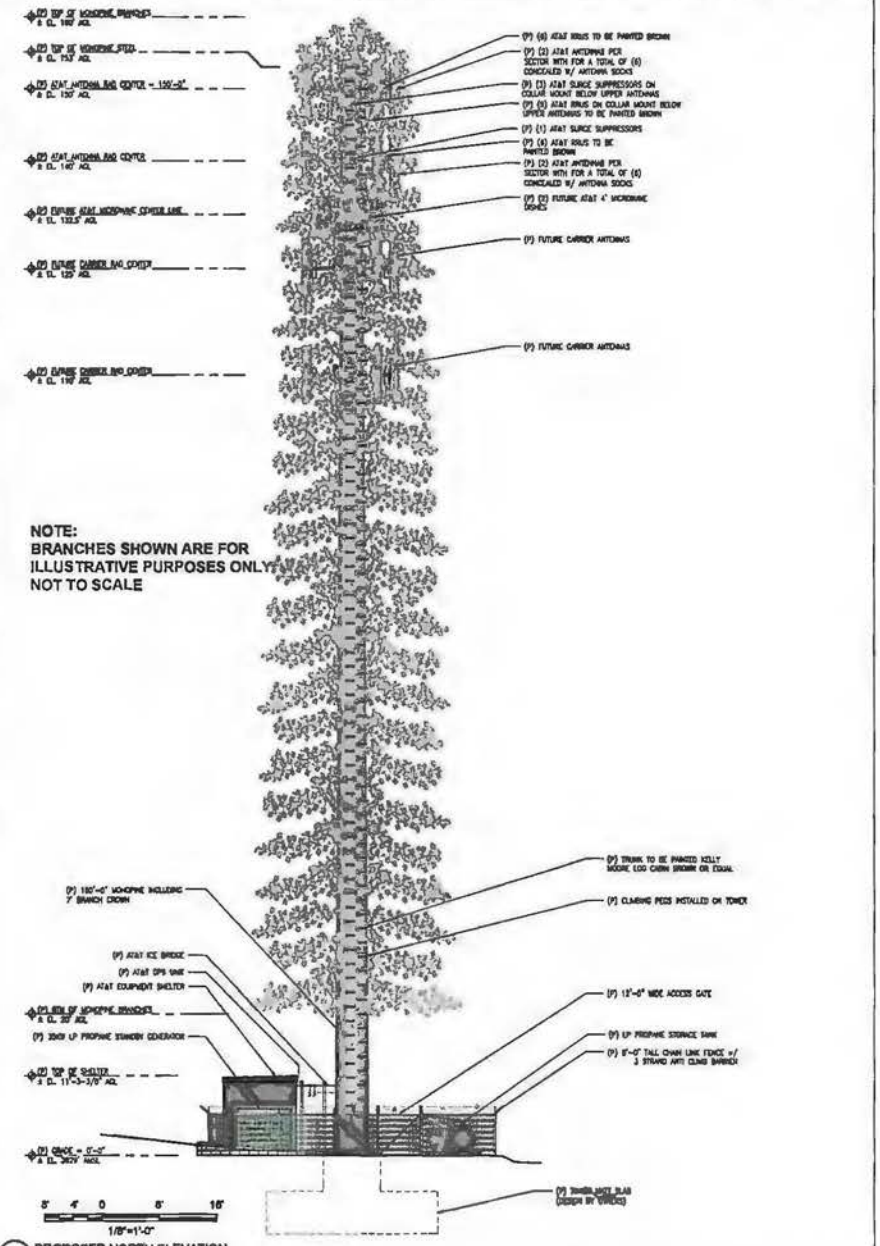
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighorner@yahoo.com

SHEET TITLE:

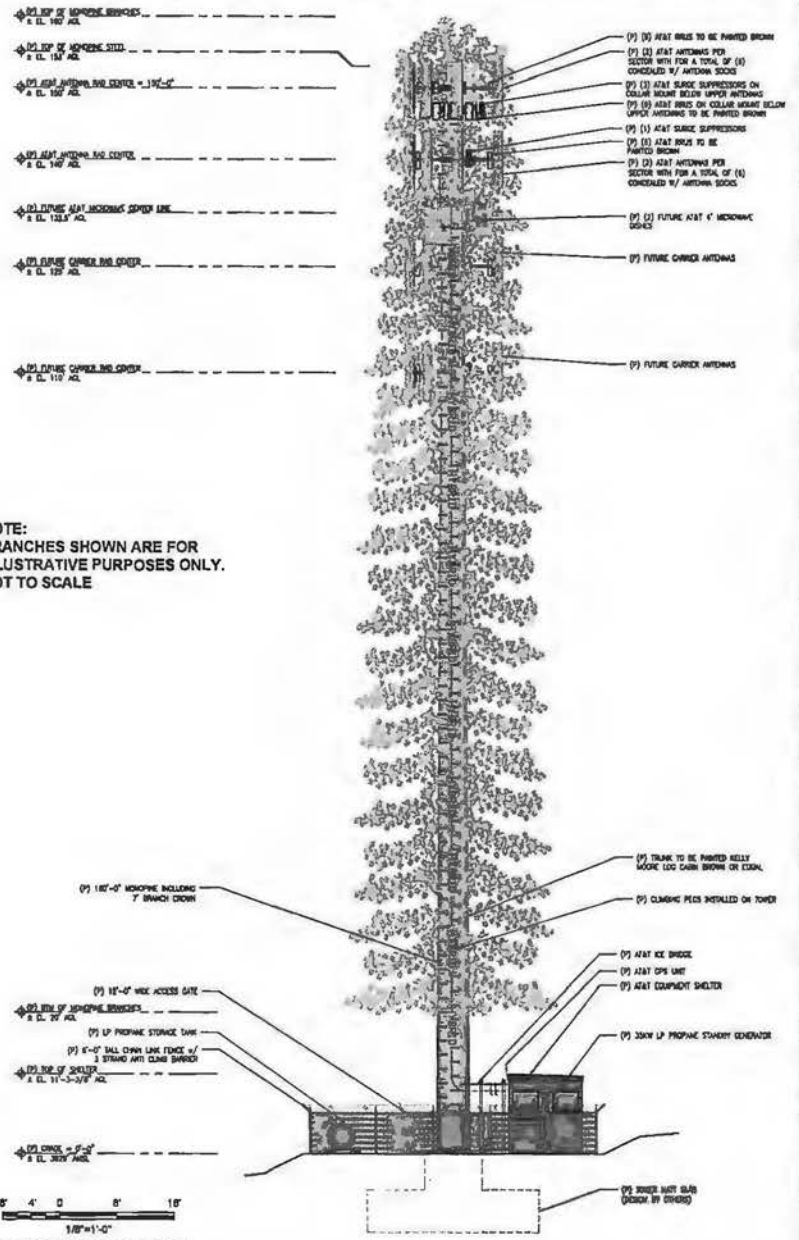
ANTENNA PLAN & DETAILS

SHEET NUMBER:

A-3



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



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

SITE TYPE: MONOPINE/SHELTER

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	13787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04/25/17	ZD RFE
C	04/27/17	ZD SUBS

Licensor:

No. 84674

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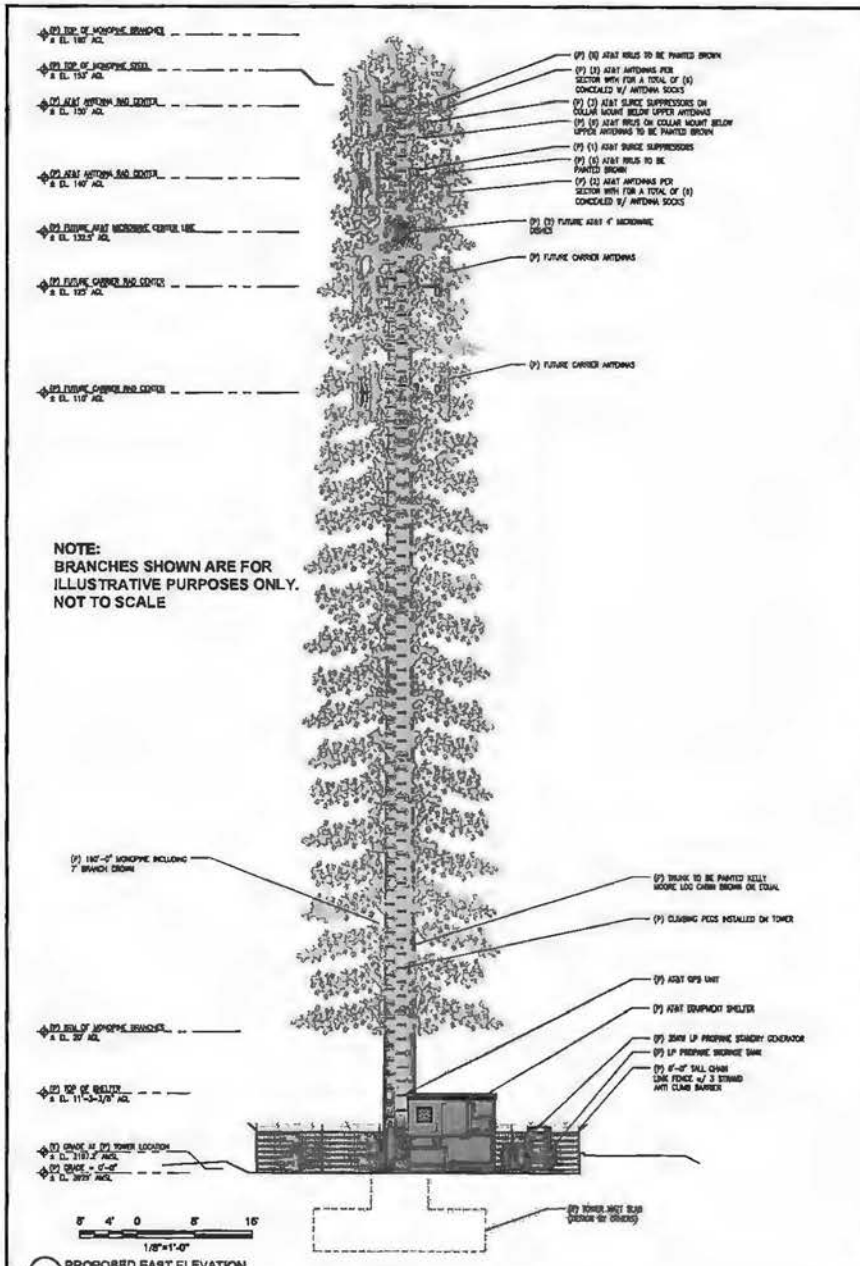
craigmhorner@yahoo.com

SHEET TITLE:

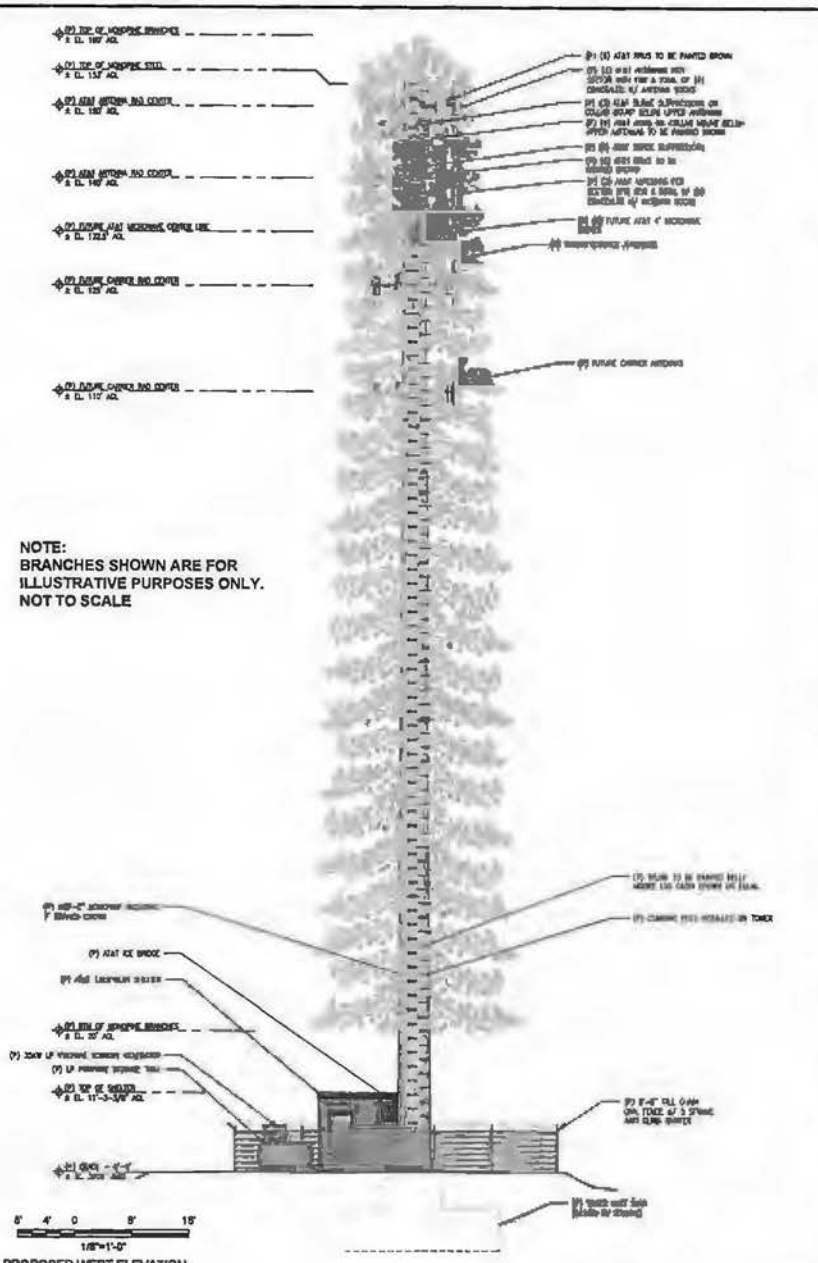
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:

A-4.1



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



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

SITE TYPE: MONOPINE/SHELTER

Issued For:

GRIZZLY FLATS

5060 SCIARONI RD.

GRIZZLY FLATS, CA 95363

PREPARED FOR

at&t

2600 Camino Ramon, 4W330 N
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03066
PROJECT NO:	15787675
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04/5/17	ZD 4/5
0	4/27/17	ZD 10/8

Licensor:

No. 84674

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3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

PROPOSED MONOPINE
WEST - EAST ELEVATION

SHEET NUMBER:

A-4.2

Site 1-Exhibit G

Existing

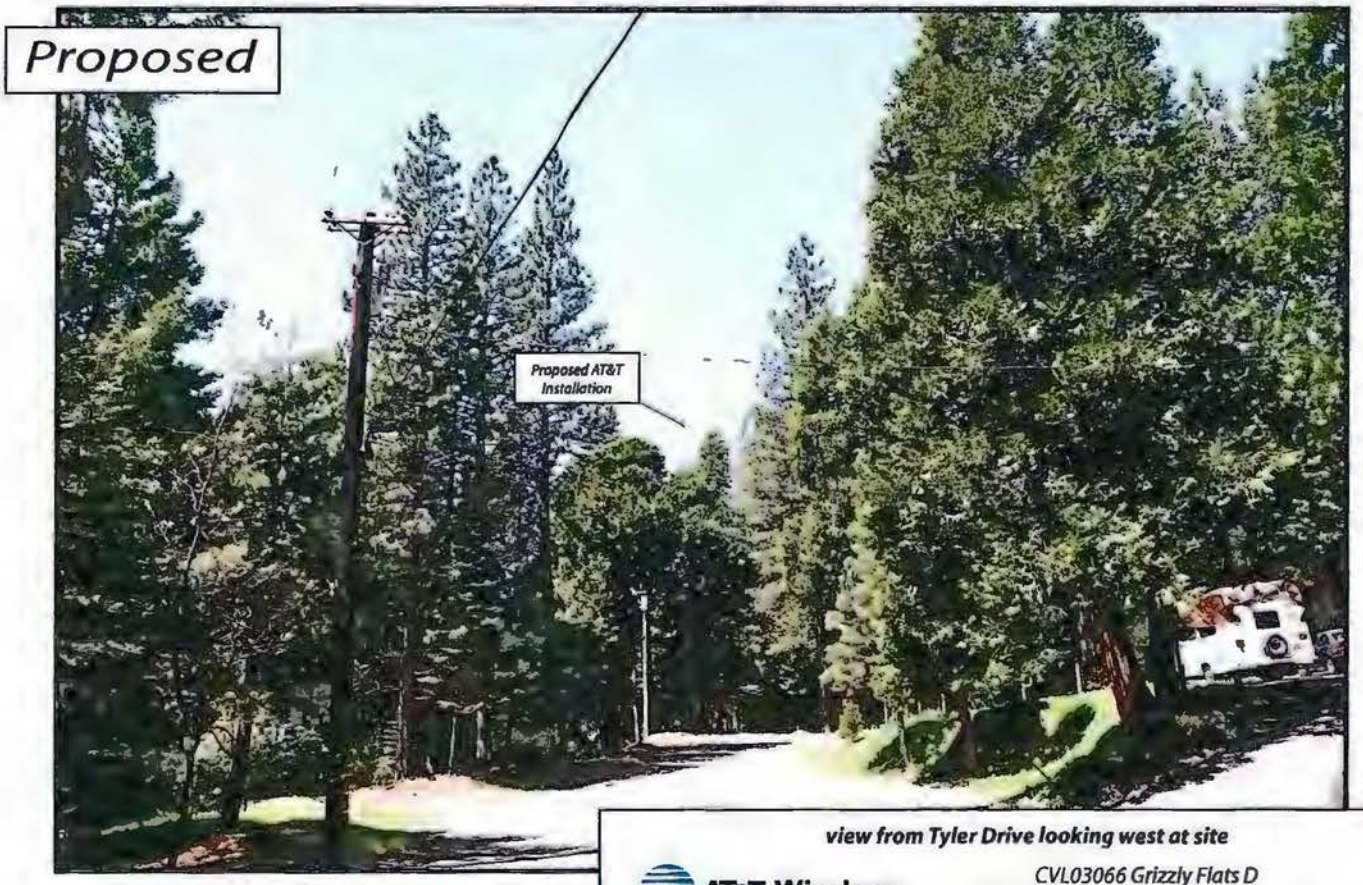
Proposed

view from Sciaroni Road looking southwest at site

AT&T Wireless

CVL03066 Grizzly Flats D
5060 Sciaroni Road, Grizzly Flats, CA
Photosims Produced on 5-12-2017

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout /dre
EXECUTIVE SECRETARY



AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

view from Tyler Drive looking west at site

AT&T Wireless

CVL03066 Grizzly Flats D
5060 Sciaroni Road, Grizzly Flats, CA
Photosims Produced on 5-12-2017

Existing

Proposed

view from Sciaroni Road looking southwest at site

AT&T Wireless

CVL03066 Grizzly Flats D
5060 Sciaroni Road, Grizzly Flats, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

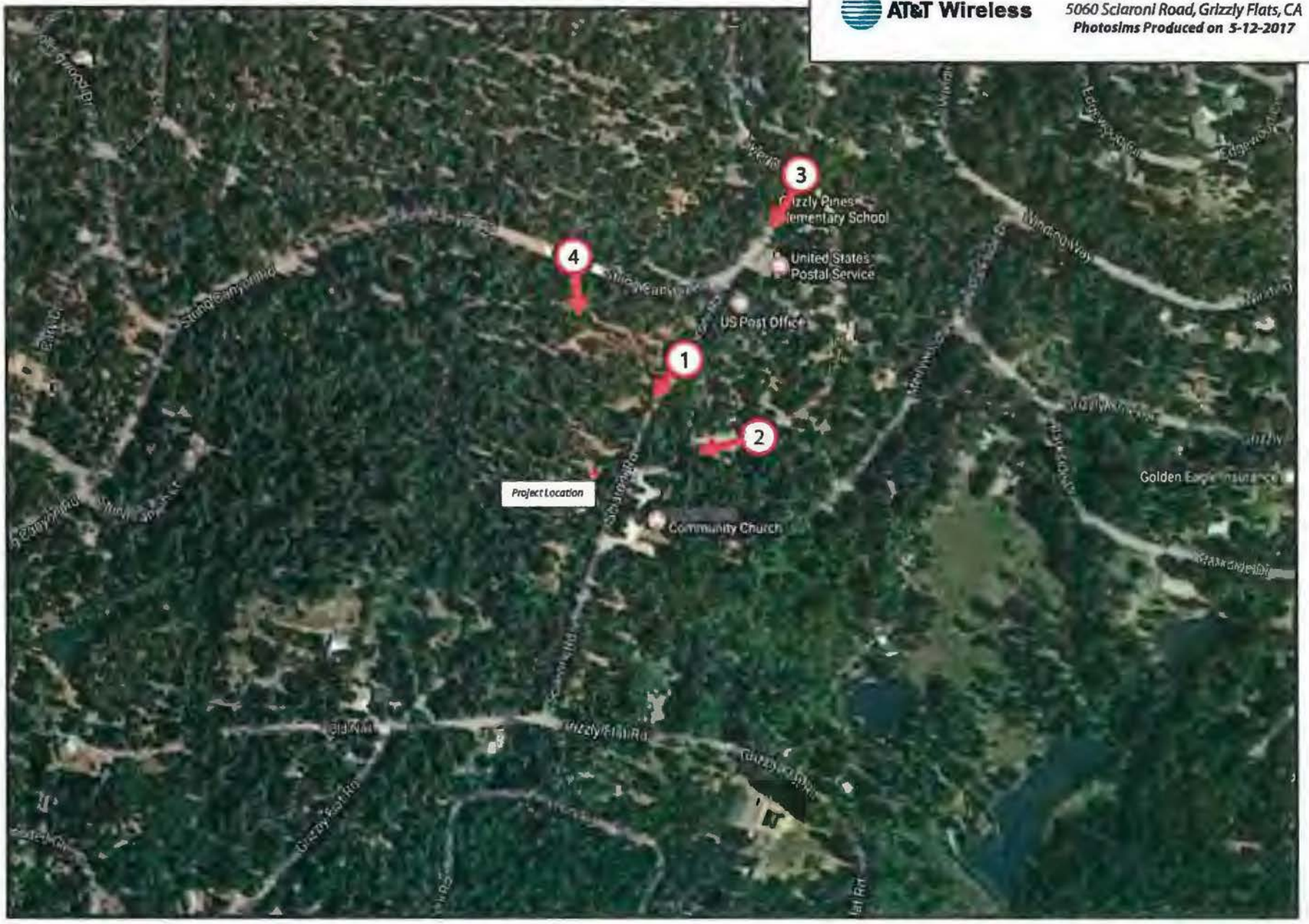
view from String Canyon Road looking south at site

AT&T Wireless

CVL03066 Grizzly Flats D
5060 Sciaroni Road, Grizzly Flats, CA
Photosims Produced on 5-12-2017

AT&T Wireless

CVL03066 Grizzly Flats D
5060 Sciaroni Road, Grizzly Flats, CA
Photosims Produced on 5-12-2017



AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Grizzly Flats**	**Site Structure Type:**	**Monopine**
Address:	**String Canyon Road**	**Latitude:**	**38.63806**
	Grizzly Flats, CA	**Longitude:**	**-120.52701**
Report Date:	**May 4, 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 Grizzly Flats site located at String Canyon Road, Grizzly Flats, 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)	*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.

Waterford Consultants, LLC • 201 Loudoun Street Southeast Suite 300 • Leesburg, Virginia 20175 • 703.596.1022

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) panel antennas, four (4) per sector
- Install twenty-one (21) RRUs

The antennas will be mounted on a 160-foot monopole with centerlines at 160 and 150 feet above ground level. The antennas will be oriented toward 90, 210 and 330 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 24,903 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.

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 0.2950% of the FCC General Population limits (0.0590% of the Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.1745% of the FCC General Population limits (0.0349% of the 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

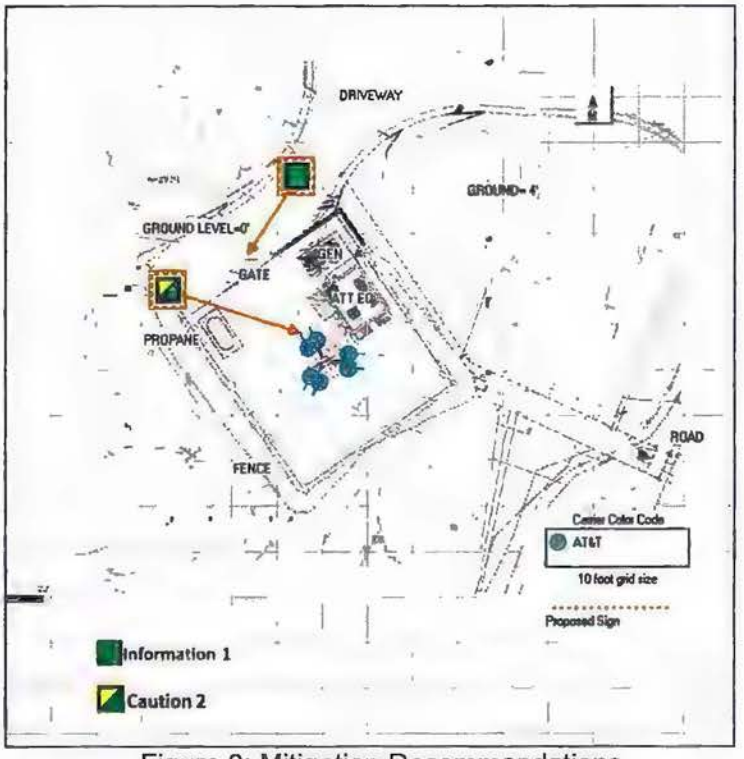


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at String Canyon Road, Grizzly Flats, 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.

SITE NUMBER: CVL03126

SITE NAME: KELSEY

6451 SHOO FLY ROAD
PLACERVILLE, CA 95667
JURISDICTION: EL DORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ROAD IMPROVEMENT FROM ROW
3. 30'X40' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (3) NEW GPS UNITS
6. ADD 100'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (20) PROPOSED AND (1) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 4' MICROWAVE DISHES
11. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VINYL SLATS
12. ADD 35KW LP PROPANE GENERATOR
13. ADD 500 GAL LP PROPANE STORAGE TANK

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. 2015 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
7. 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE)
8. 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R., (2015 INTERNATIONAL FIRE CODE)
9. 2016 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24, C.C.R., (2015 INTERNATIONAL BUILDING CODE)
10. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R., (CALGreen)
11. 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
12. ANSI/EIA-TIA-222-G
13. ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS.

DISABLED ACCESS REQUIREMENTS

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

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: KELSEY
SITE NUMBER: CVL03126

SEARCH RING: KELSEY
FA# 13787635
SITE ADDRESS: 6451 SHOO FLY ROAD
PLACERVILLE, CA 95667

A.P.N. NUMBER: 088-320-13

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESIDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: EL DORADO COUNTY

LATITUDE: N 38° 47' 52.05"

LONGITUDE: W 120° 48' 09.26"

GROUND ELEVATION: ±2314.1 FT. AMSL

PROPERTY OWNER:
EDDIE & MARCIA SIMMONS
P.O. BOX 95
KNIGHTSEN, CA 94548

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

RFDS DATED 02-28-2017, ISSUE 1.0
REVISION 1.00.02

VICINITY MAP

1" = NOT TO SCALE

SPECIAL INSPECTIONS

PROJECT TEAM

APPLICANT / LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
RF ENGINEER:
AT&T CONTACT: ALEXANDER KERRIGAN
PHONE: 916-484-2324
EMAIL: AK4403@PROJECTATT.COM
PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1446
SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 755-1326
CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANNS
EMAIL: PETE.MANNS@EPICWIRELESS.NET
PH: (530) 383-5957

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 933-2783

ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGHORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR:
VINCULANS CM
CONTACT: KEN ABEL
EMAIL: KABEL@VINCULANS.COM
PH: (916) 844-4602

DIRECTIONS FROM AT&T

DIRECTIONS FROM AT&T's OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA
2600 CAMINO RAMON
SAN RAMON, CA 94583
GET ON I-680 S FROM CAMINO RAMON AND BOLLINGER CANYON RD 4 MIN (1.3 MI)
HEAD EAST 157 FT
TURN RIGHT TOWARD CAMINO RAMON 0.2 MI
TURN RIGHT ONTO CAMINO RAMON 0.2 MI
CONTINUE STRAIGHT TO STAY ON CAMINO RAMON 0.1 MI
TURN RIGHT ONTO BOLLINGER CANYON RD 0.5 MI
USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE 0.3 MI
TAKE I-580 E, I-5 N AND US-50 E TO S SHINGLE RD IN SHINGLE SPRINGS. TAKE EXIT 27 FROM US-50 E 1 H 57 MIN (131 MI)
MERGE ONTO I-680 S 3.8 MI
USE THE RIGHT 2 LANES TO TAKE EXIT 30B TO MERGE ONTO I-580 E TOWARD STOCKTON 20.3 MI
KEEP LEFT TO CONTINUE ON I-205 E, FOLLOW SIGNS FOR INTERSTATE 205/TRACY/STOCKTON 14.3 MI
MERGE ONTO I-5 N 58.2 MI
USE THE RIGHT 3 LANES TO TAKE EXIT 51B TO MERGE ONTO I-305 E/I-80BL E/US-50 E TOWARD S LAKE TAHOE 2.2 MI
CONTINUE ONTO US-50 E 31.7 MI
TAKE EXIT 27 FOR SOUTH SHINGLE ROAD 0.3 MI
CONTINUE ON S SHINGLE RD. TAKE LOTUS RD, MARSHALL RD AND CARSON VALLEY RD TO SHOO FLY RD 36 MIN (23.9 MI)
TURN LEFT ONTO S SHINGLE RD (SIGNS FOR US-50 W/SACRAMENTO) 0.2 MI
TURN RIGHT ONTO N SHINGLE RD 4.0 MI
CONTINUE ONTO GREEK VALLEY RD 0.5 MI
CONTINUE STRAIGHT ONTO LOTUS RD 8.7 MI
TURN LEFT ONTO CA-49 N 0.8 MI
TURN RIGHT ONTO MARSHALL RD 4.8 MI
TURN RIGHT ONTO CARSON VALLEY RD 3.8 MI
SLIGHT RIGHT ONTO CA-193 E 2.0 MI
TURN LEFT ONTO SHOO FLY RD 1.1 MI
TURN LEFT TO STAY ON SHOO FLY RD 0.3 MI
6451 SHOO FLY RD
KELSEY, CA 95667

APPROVALS

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

SHEET INDEX

REV		
	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 PLAN & DETAILS
	A-1	OVERALL SITE PLAN - EXTERIOR EQUIPMENT SHELTER
	A-1.1	SITE PLAN - EXTERIOR EQUIPMENT SHELTER
	A-2	EQUIPMENT AREA PLAN - EXTERIOR EQUIPMENT SHELTER
	A-3	ANTENNA PLAN & DETAILS - MONOPINE
	A-4.1	PROPOSED MONOPINE NORTH - SOUTH ELEVATION
	A-4.2	PROPOSED MONOPINE WEST - EAST ELEVATION

AT
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

Site 2-Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

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

Issued For:
KELSEY
6451 SHOO FLY ROAD
PLACERVILLE, CA 95667

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

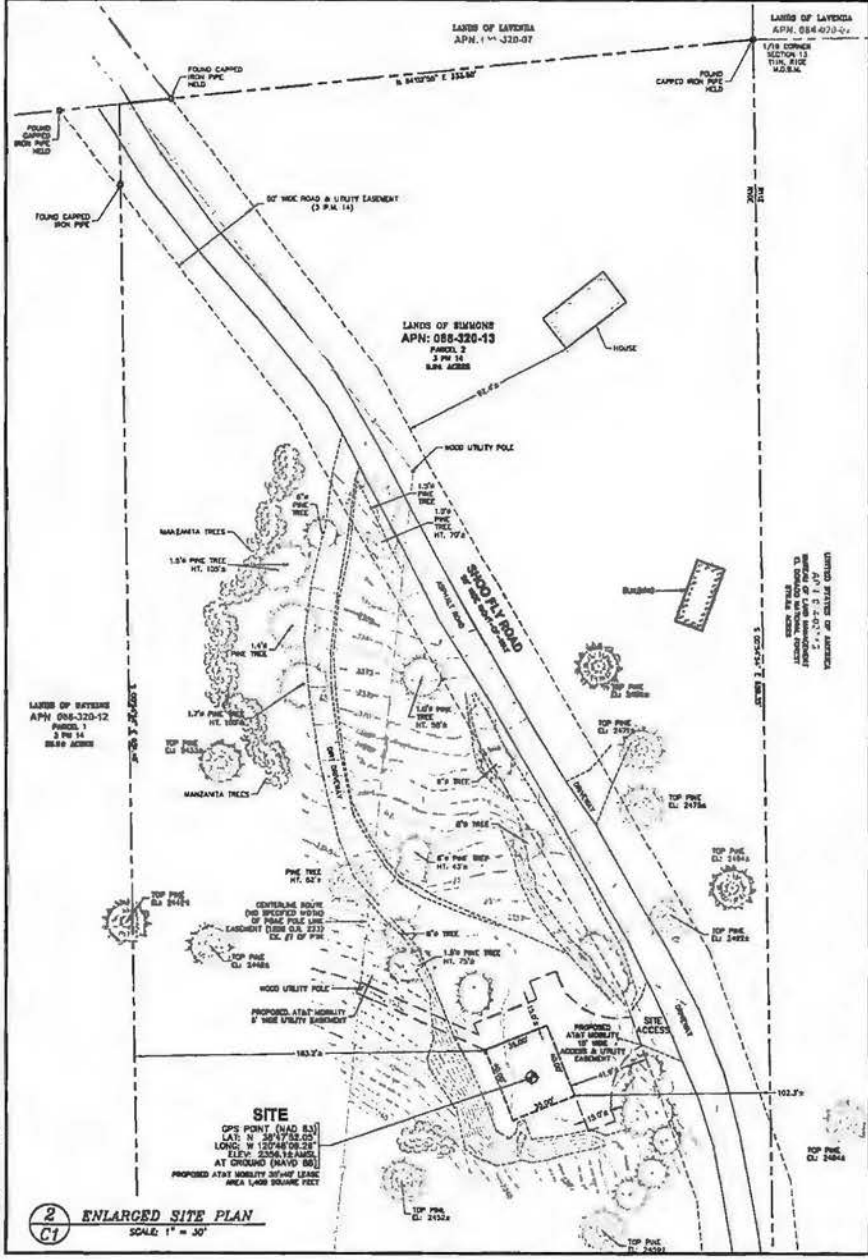
REV.	DATE	DESCRIPTION
D	10/16/17	20%
D	02/13/17	20100%

License:
No. 84674

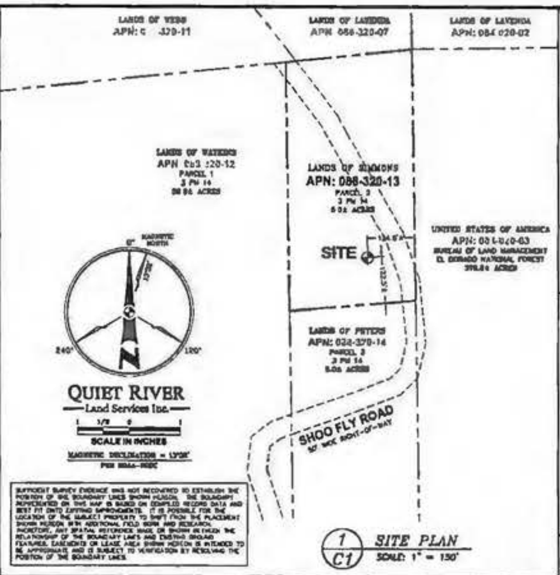
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

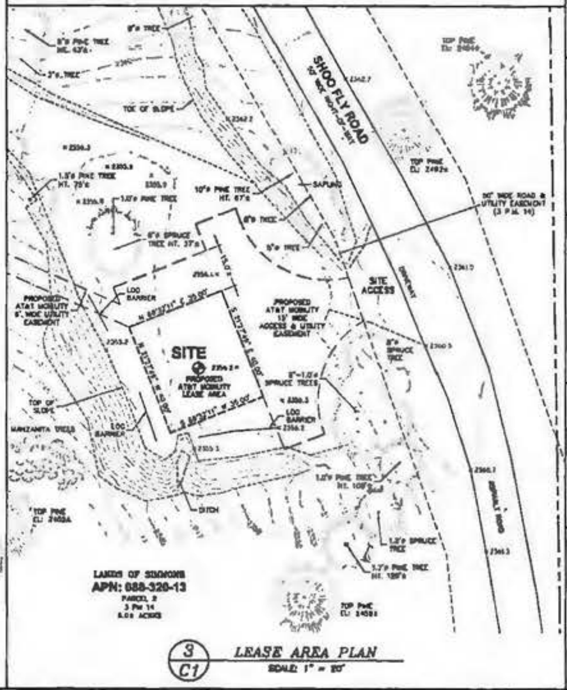


2/C1 ENLARGED SITE PLAN
SCALE: 1" = 30'

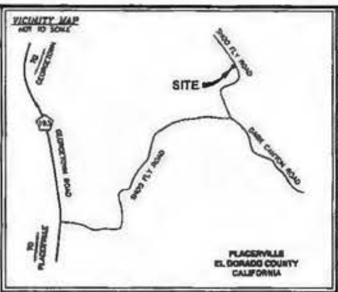


SUFFICIENT SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE, ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA SHOWN HEREON IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.

1/C1 SITE PLAN
SCALE: 1" = 150'



3/C1 LEASE AREA PLAN
SCALE: 1" = 20'



VICINITY MAP
NOT TO SCALE

PROPERTY INFORMATION

Owner: EDDIE & MARCIA SIMMONS
Address: P.O. BOX 96
[illegible], CA [illegible]
Site: CVL03126 / KELSEY
Address: 8451 SHOO FLY ROAD
PLACERVILLE, CA 95667
Assessor's Parcel Number: 088-320-13
Height of Building/Tower: N/A

Title Report:
TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY REPORT NO [illegible], DATED AS OF JANUARY 25, 2017.

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

FEMA FLOOD ZONE DESIGNATION

National Flood Insurance Program
County: EL DORADO Effective Date: SEPTEMBER 26, 2008
Community-Panel Number: 06017C-0800-E
The Flood Zone Designation for this site as plotted by scale is:
ZONE X (no shading) — Areas determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA

NAD 83 Datum:
Lat: N 38°47'52.05" Long: W 120°48'08.28"
Datum Basis: NAD 83 Equipment Used: [illegible]-OPUS Receiver
(See Note 2)
Site Ground Elevation: 2356.1 AMSL (NAVD88) AT GPS SITE LOCATION
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS)
(SEE NOTE 2)
Basis of Bearings:
CALIFORNIA COORDINATES ZONE 2 AND FOUND MONUMENTS AS SHOWN ON THAT CERTAIN PARCEL MAP FILED IN BOOK 3 AT PAGE 14 IN THE RECORDS OF EL DORADO COUNTY.
Date of Field Survey: MARCH 23, 2017

NOTES

1.) This is not a boundary survey. This is a specialized topographic map with property lines and easements being a graphic depiction of various information gathered from preliminary title reports, best-fit dimensions of record, maps and available monuments found during the field survey. No property monuments were set. No title research was performed by Quiet River Land Services, Inc.

2.) The latitude, longitude and elevation shown hereon were derived from post-processed L-1/L-2 data collected using Navstar Global Positioning System (GPS) and a [illegible]-OPUS Receiver. [illegible] (Elevation = ±3.0 feet)

3.) Unless otherwise noted, no underground utility locating service company was contacted prior to this map being prepared. Therefore, there may be non-visible or obscure utilities existing on the property not shown on this map — so CALL BEFORE YOU DIG

4.) Any electronic digital media provided by Quiet River Land Services, Inc. to our client is a courtesy and is not to be reproduced, distributed, sold, altered, revised, edited or amended without the express written consent of an Officer of Quiet River Land Services, Inc. Further, only the final stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, easements, record boundary lines, bearings and distances as shown hereon are based upon a field survey as noted above and upon items of public record and data contained in a title report, as referenced. Furthermore, the Latitude and Longitude coordinates are reported in NAD 83 Datum and are accurate to within ±15 feet horizontally, and the ground elevation, reported in NAVD 1988 Datum, is within ±3 feet vertically. The coordinate values and elevations are within the 1-A Accuracy Code designation as listed in the [illegible] (Sheet [illegible]) and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN	ASSESSOR'S PARCEL NUMBER	▭	ASPHALT
CP	CONTROL POINT	▨	CONCRETE
EL.	ELEVATION	▲	CONTROL POINT
FH	FIRE HYDRANT	○	FOUND MONUMENT
FND.	FOUND	⊕	GPS POINT
HT.	HEIGHT		PARAPET/ROOF ELEVATIONS
MON.	MONUMENT	× 10.3	SPOT ELEVATION
(M-M)	MONUMENT TO MONUMENT		TEMPORARY BENCHMARK
P.O.B.	POINT OF BEGINNING		
P.O.C.	POINT OF COMMENCEMENT		
PP	POWER POLE		
(TYP.)	TYPICAL		

DATE: MAY 3, 2017
DRAWN BY: MAS
FILE NO.: EPIC1716

REVISIONS

DATE	DESCRIPTION	INITIAL
3/27/17	[illegible] ISSUE	MAS
5/2/17	[illegible] ISSUE	RO
5/3/17	CLIENT REVISIONS	RO

at&t
AT&T MOBILITY
5001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 734-6788 Phone

EXISTING SITE CONDITIONS

CVL03126
KELSEY
8451 SHOO FLY ROAD
PLACERVILLE, CA 95667

C1
OF 1 SHEET

GENERAL CONSTRUCTION NOTES:

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, EITHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONFORMING, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK
EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACA	ANTENNA CABLE COVER ASSEMBLY
ADDL.	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPROX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
@	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
DF.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
(E)/EXIST.(E)	EXISTING
EXT.	EXTERIOR
(F)	FUTURE
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.S.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G	GROWTH (CABINET)
GA.	GAUGE
GALV.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
G.L.B. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
HCGB.	ISOLATED COPPER GROUND BUS
IN. (")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCED(ING)
REQ'D/	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.C.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE (WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
C	CENTERLINE
P	PLATE, PROPERTY LINE

SYMBOLS LEGEND

- BLDG. SECTION / ROAD SECTION (1/A-XX, 3/A-XX)
- WALL SECTION (A5 / A-XXX)
- DETAIL (D5 / A-XXX)
- ELEVATION (E1 / A-XXX, A4 / A-XXX, C4 / A-XXX, A1 / A-XXX)
- DOOR SYMBOL (101)
- WINDOW SYMBOL (1C)
- TILT-UP PANEL MARK (1)
- PROPERTY LINE
- CENTERLINE
- ELEVATION DATUM (42'-0")
- GRID/COLUMN LINE (A)
- KEYNOTE, DIMENSION ITEM (3)
- KEYNOTE, CONSTRUCTION ITEM (2)
- WALL TYPE MARK (W-1)
- ROOM NAME / ROOM NUMBER (OFFICE 101)

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

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

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4W 850 H
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION
0	10/31/17	ZD SUBMITTAL
1	11/21/17	ZD SUBMITTAL

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GENERAL NOTES

SHEET NUMBER:

GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE

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

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

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE DETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

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

A. SOLID WASTE MANAGEMENT:
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY

C. CONCRETE WASTE:
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.

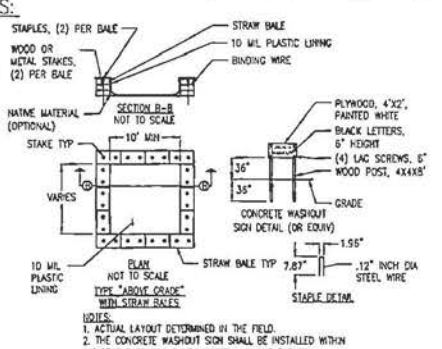
E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.

F. HAZARDOUS WASTE MANAGEMENT:
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ANY AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP'S (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS. AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

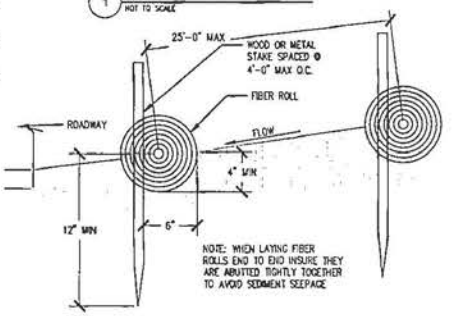
STORM WATER QUALITY NOTES:

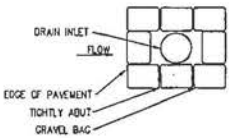
1. CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF WORK. THIS INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS ON PRIVATE PROPERTY.
2. CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EGRESS FROM PROJECT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



NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

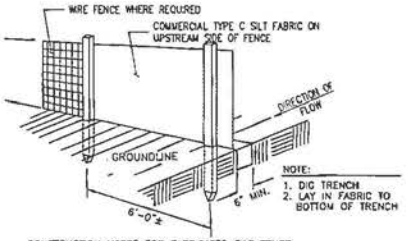
1 CONCRETE WASHOUT DETAIL
NOT TO SCALE





2 DRAIN INLET DETAIL
NOT TO SCALE

3 FIBER ROLL DETAIL
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

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

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

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

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.

4 TYPE C SILT FENCE DETAIL
NOT TO SCALE

Issued for:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4W3501H
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION
0	11/19/2007	30 MAPS

Licensed:

CRAIG M. HOMER No. 84674 CIVIL STATE OF CALIFORNIA

Engineer:

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craigmhomer@yahoo.com

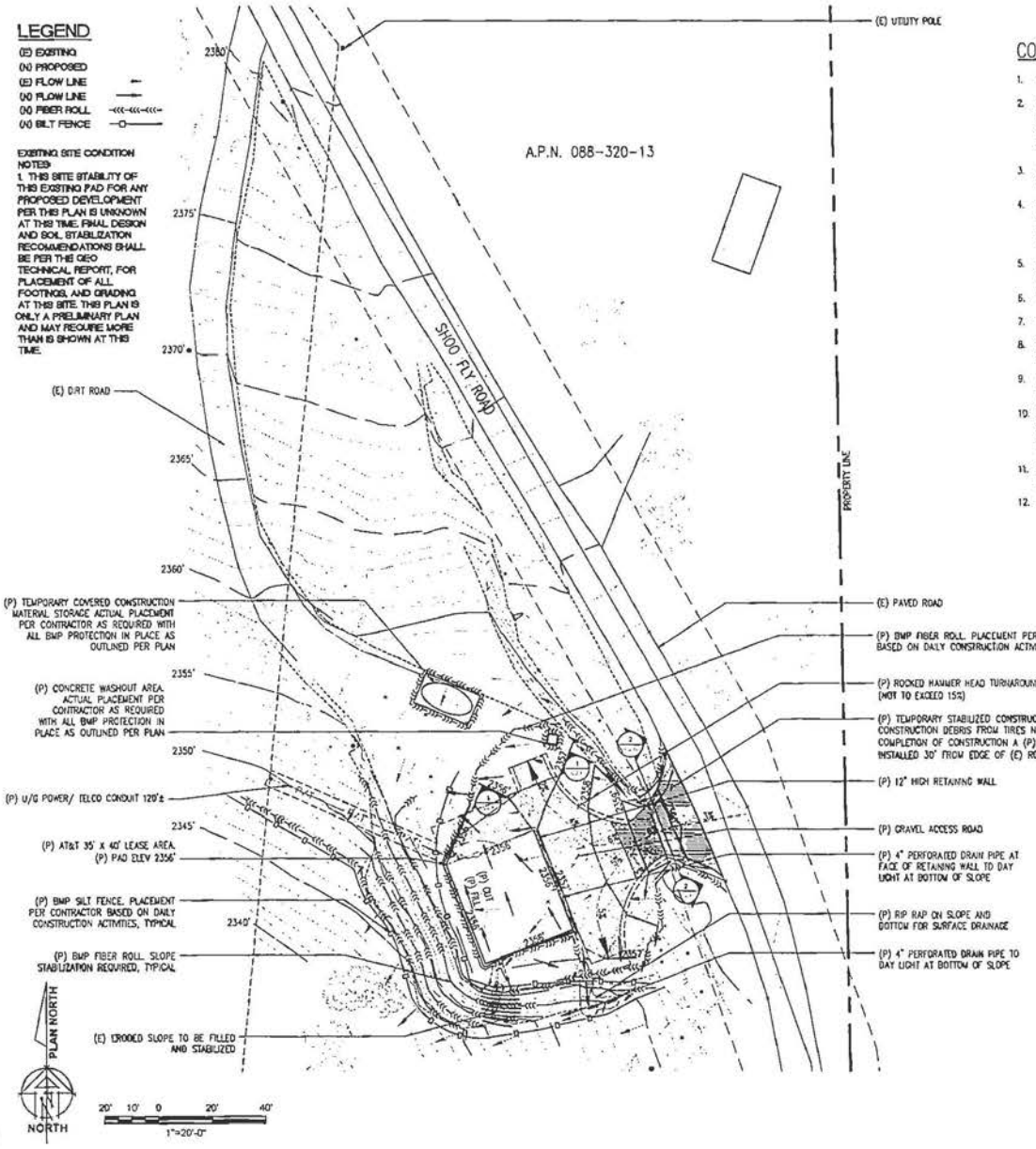
SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-2

LEGEND

(E) EXISTING
(N) PROPOSED
(E) FLOW LINE
(N) FLOW LINE
(N) FIBER ROLL
(N) SILT FENCE

EXISTING SITE CONDITION NOTES:
1. THIS SITE STABILITY OF THIS EXISTING PAD FOR ANY PROPOSED DEVELOPMENT PER THIS PLAN IS UNKNOWN AT THIS TIME. FINAL DESIGN AND SOIL STABILIZATION RECOMMENDATIONS SHALL BE PER THE GEO TECHNICAL REPORT, FOR PLACEMENT OF ALL FOOTINGS, AND GRADING AT THIS SITE. THIS PLAN IS ONLY A PRELIMINARY PLAN AND MAY REQUIRE MORE THAN IS SHOWN AT THIS TIME.

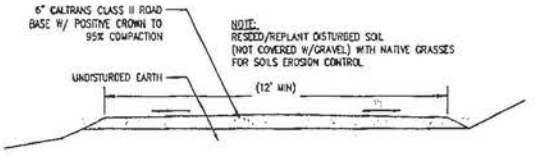


1 GRADING PLAN
1"=20'-0"

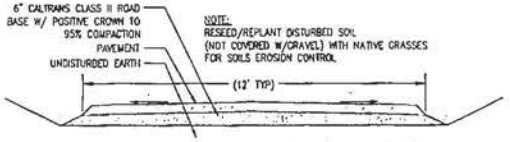
CONSTRUCTION EROSION/ SEDIMENTATION CONTROL PLAN NOTES:

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

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITES IS 120'±. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 40 CUBIC YARDS.



1 ACCESS ROAD DETAIL
NOT TO SCALE



2 ACCESS ROAD DETAIL
NOT TO SCALE

SITE TYPE: MONOPINE/SHELTER

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, #RA3011
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION
A	10/25/17	ZD RFDS
B	12/04/17	ZD RFDS

Licensor:

REGISTERED PROFESSIONAL ENGINEER CRAIG M. HOMER No. 84674 CIVIL STATE OF CALIFORNIA

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craigmhomer@yahoo.com

SHEET TITLE:
GRADING PLAN AND DETAILS

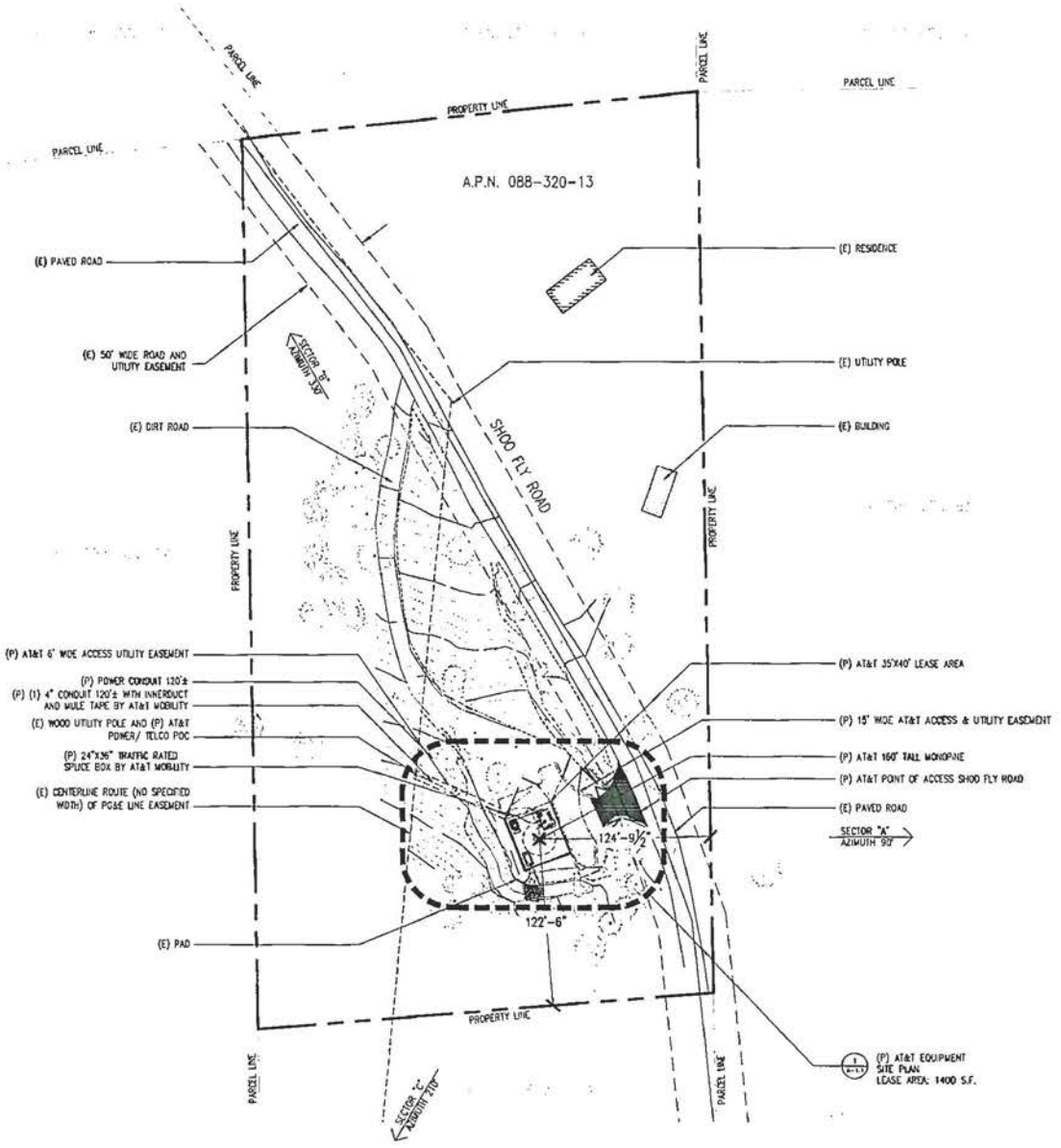
SHEET NUMBER:
C-2.1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, EASEMENTS OF RECORD AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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



PLAN NORTH

NORTH

40' 20' 0 40' 80'

1"=40'-0"

1 OVERALL SITE PLAN
1"=40'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4YE850 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

A	09.02.17	90%
0	08.10.17	90%

Licensor:

REGISTERED PROFESSIONAL ENGINEER CRAIG M. HORNER No. 84574 CIVIL STATE OF CALIFORNIA

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craigmhorner@yahoo.com

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

A-1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, EASEMENTS, THE LINE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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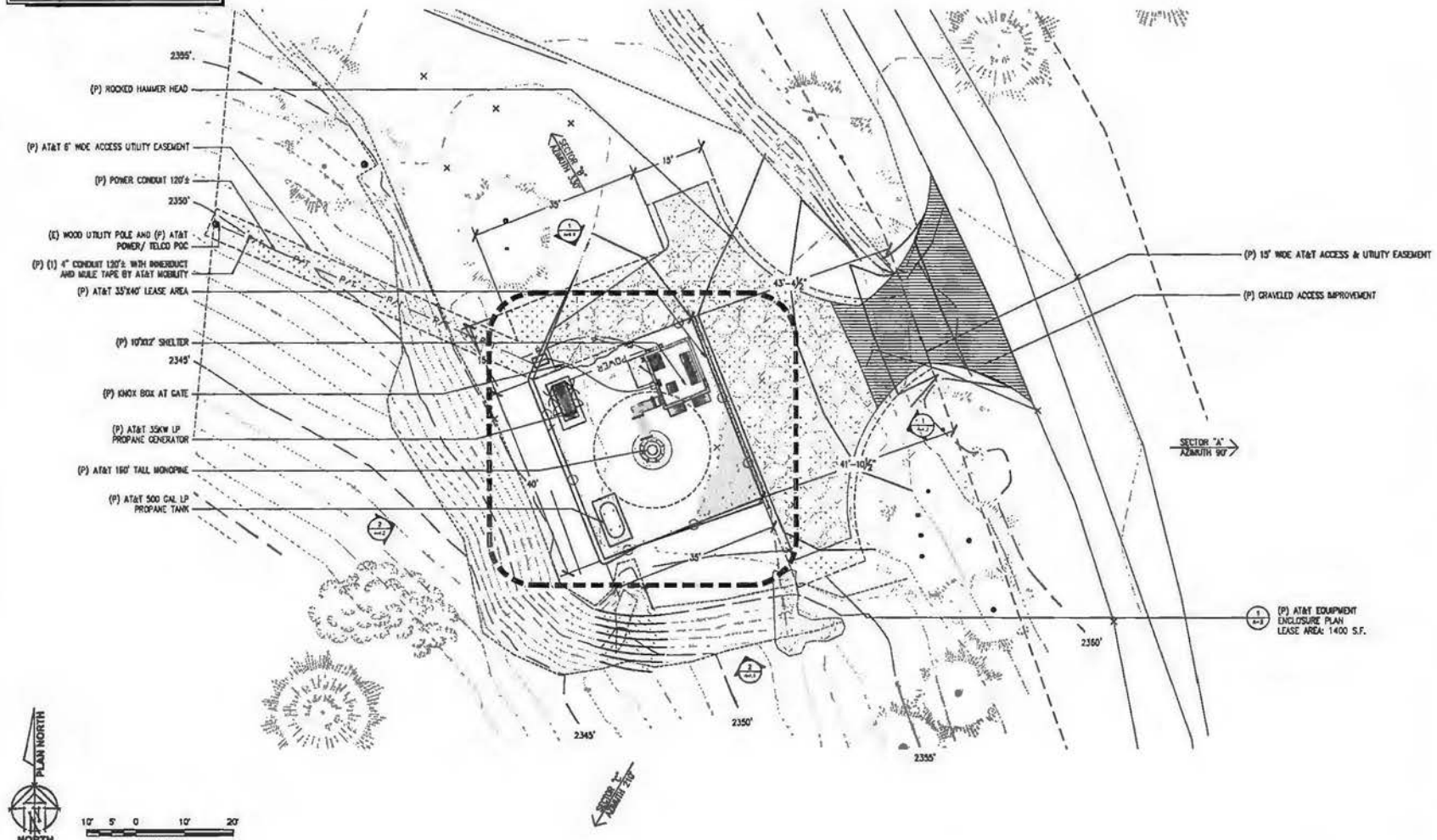

PLAN NORTH

NORTH

10' 5' 0 10' 20'

1"=10'-0"

1 SITE PLAN
1"=10'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4WE30 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

#	DATE	DESCRIPTION
0	09/02/17	ZD-1 PL
0	09/10/17	ZD-1 CDs

Licensor:

No. 84674

STATE OF CALIFORNIA — CIVIL

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craigmhorner@yahoo.com

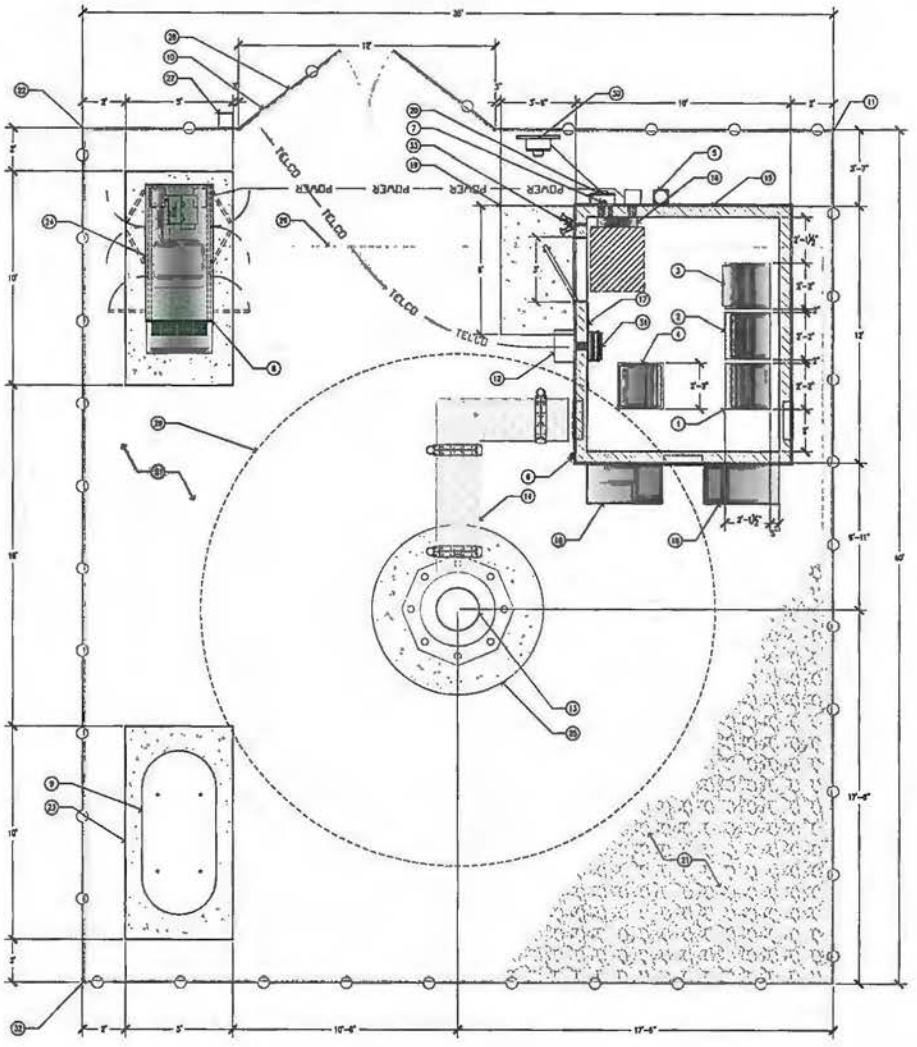
SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1.1

KEYNOTES



1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4th800 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	07/17/17	20-DAY
1	08/31/17	20-DAY

Licensed:

No. 84674

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Engineer:

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SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

EQUIPMENT AREA PLAN

SHEET NUMBER:

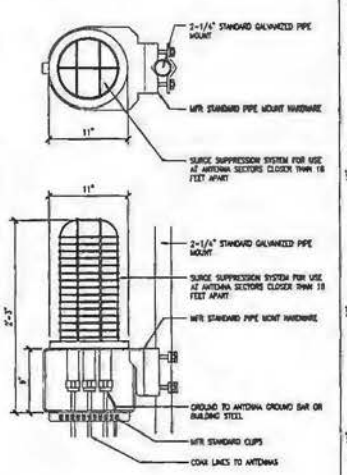
A-2

RAYCAP DC6-48-60-18-8F A
DC6-48-60-0-8F SURGE SUPPRESSION SOLUTION

COLOR: BLACK/SILVER

DIMENSIONS: 11" DIA X 27" TALL W/ 8" BASE

WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



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

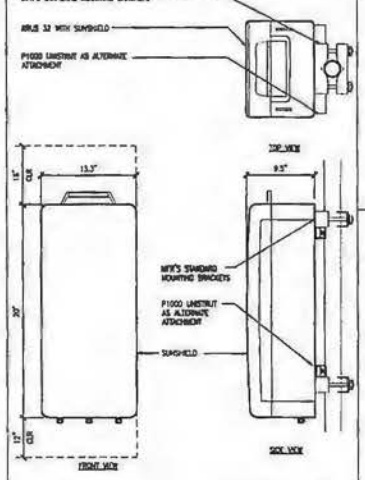
ERICSSON WCS RRU-32

MODEL: KRC161 423/1

COLOR: WHITE

DIMENSIONS: 29.8" TALL X 13.3" WIDE X 9.5" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 77 LBS. (INCLUDING MOUNTING HARDWARE)



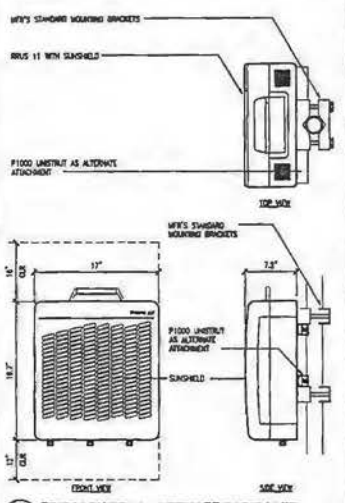
2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"

ERICSSON RRUS 11 REMOTE RADIO UNIT

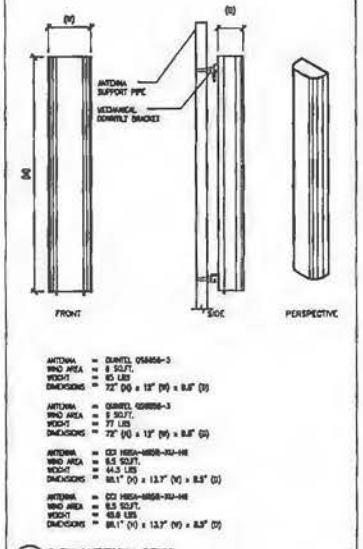
COLOR: WHITE

DIMENSIONS: 18.2" TALL X 17" WIDE X 7.5" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



3 ERICSSON RRUS-11 REMOTE RADIO UNIT
1 1/2"=1'-0"



ANTENNA = QUINTEL QS6656-3
WIND AREA = 8 SQ.FT.
WEIGHT = 65 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.8" (D)

ANTENNA = QUINTEL QS6656-3
WIND AREA = 8 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.8" (D)

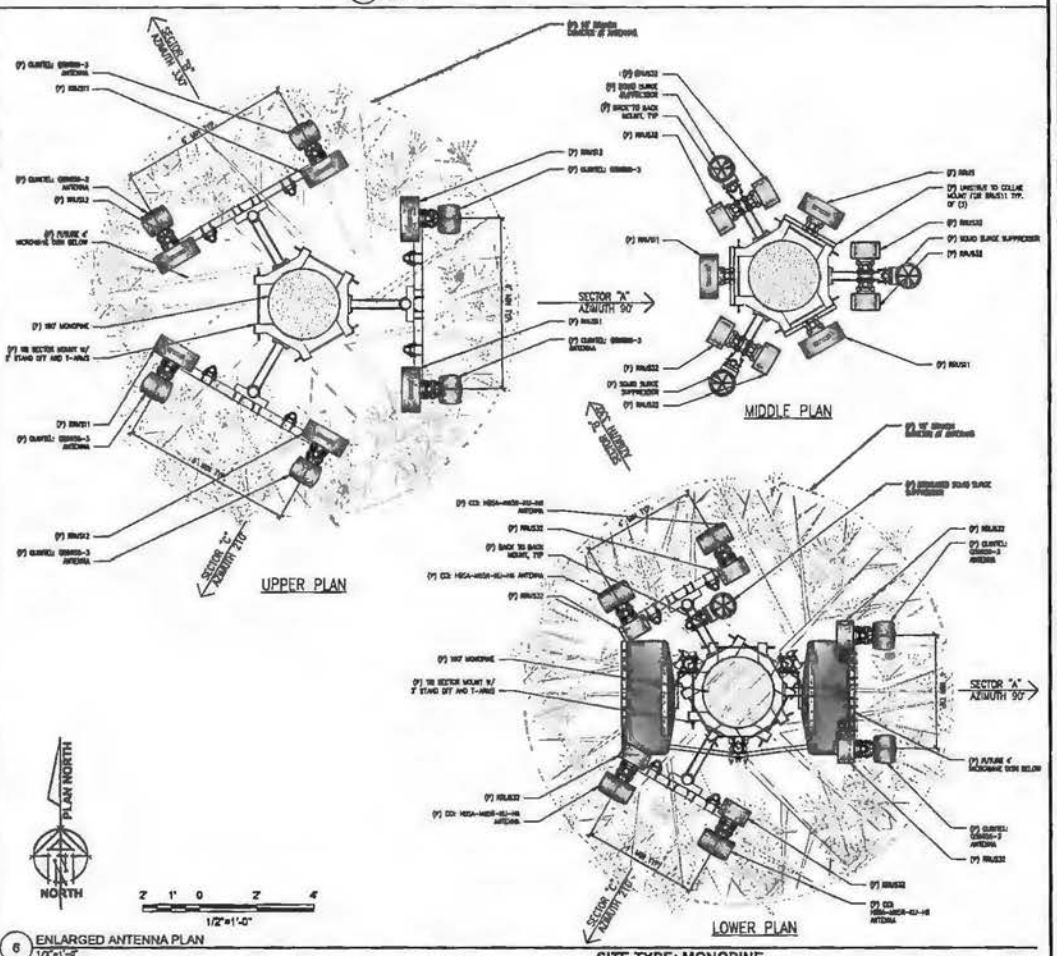
ANTENNA = CCI HBSA-M65R-KU-H6
WIND AREA = 6.5 SQ.FT.
WEIGHT = 64.5 LBS
DIMENSIONS = 65.1" (H) x 12.7" (W) x 8.5" (D)

ANTENNA = CCI HBSA-M65R-KU-H6
WIND AREA = 6.5 SQ.FT.
WEIGHT = 65.6 LBS
DIMENSIONS = 65.1" (H) x 12.7" (W) x 8.5" (D)

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

RF SCHEDULE									
SECTOR	ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	QS6656-3	90°	± 150'-0"	(1) RRUS 32 (1) RRUS 32 B66	N/A	± 180'	± N/A	TRUNK 1
	A2	QS6656-3	90°	± 150'-0"	(1) RRUS 32 (1) RRUS B66	N/A	± 180'	± N/A	TRUNK 1
	A3	QS6656-3	90°	± 140'-0"	(1) RRUS 11	N/A	± 170'	± N/A	TRUNK 4
	A4	QS6656-3	90°	± 140'-0"	(1) RRUS 32	N/A	± 170'	± N/A	TRUNK 4
BETA	B1	QS6656-3	330°	± 150'-0"	(1) RRUS 32 (1) RRUS 32	N/A	± 180'	± N/A	TRUNK 2
	B2	QS6658-3	330°	± 150'-0"	(1) RRUS 32 B66 (1) RRUS B66	N/A	± 180'	± N/A	TRUNK 2
	B3	HBSA-M65R-KU-H6	330°	± 140'-0"	(1) RRUS 32	N/A	± 170'	± N/A	TRUNK 4
	B4	HBSA-M65R-KU-H6	330°	± 140'-0"	(1) RRUS 32	N/A	± 170'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	210°	± 150'-0"	(1) RRUS 32 (1) RRUS 32	N/A	± 180'	± N/A	TRUNK 3
	C2	QS6658-3	210°	± 150'-0"	(1) RRUS 32 B66 (1) RRUS B66	N/A	± 180'	± N/A	TRUNK 3
	C3	HBSA-M65R-KU-H6	210°	± 140'-0"	(1) RRUS 32	N/A	± 170'	± N/A	TRUNK 4
	C4	HBSA-M65R-KU-H6	210°	± 140'-0"	(1) RRUS 32	N/A	± 170'	± N/A	TRUNK 4
RF DATA SHEET v1.05.02 DATED 02/28/17				(20) PROPOSED RRUS				
				(1) FUTURE RRUS				
				(21) TOTAL RRUS				

5 RF SCHEDULE
NOT TO SCALE



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

SITE TYPE: MONOPINE

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4W830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	03/02/17	ZD RFDS
1	08/15/17	ZD RFDS

Licensed:

No. 84674

Engineer:

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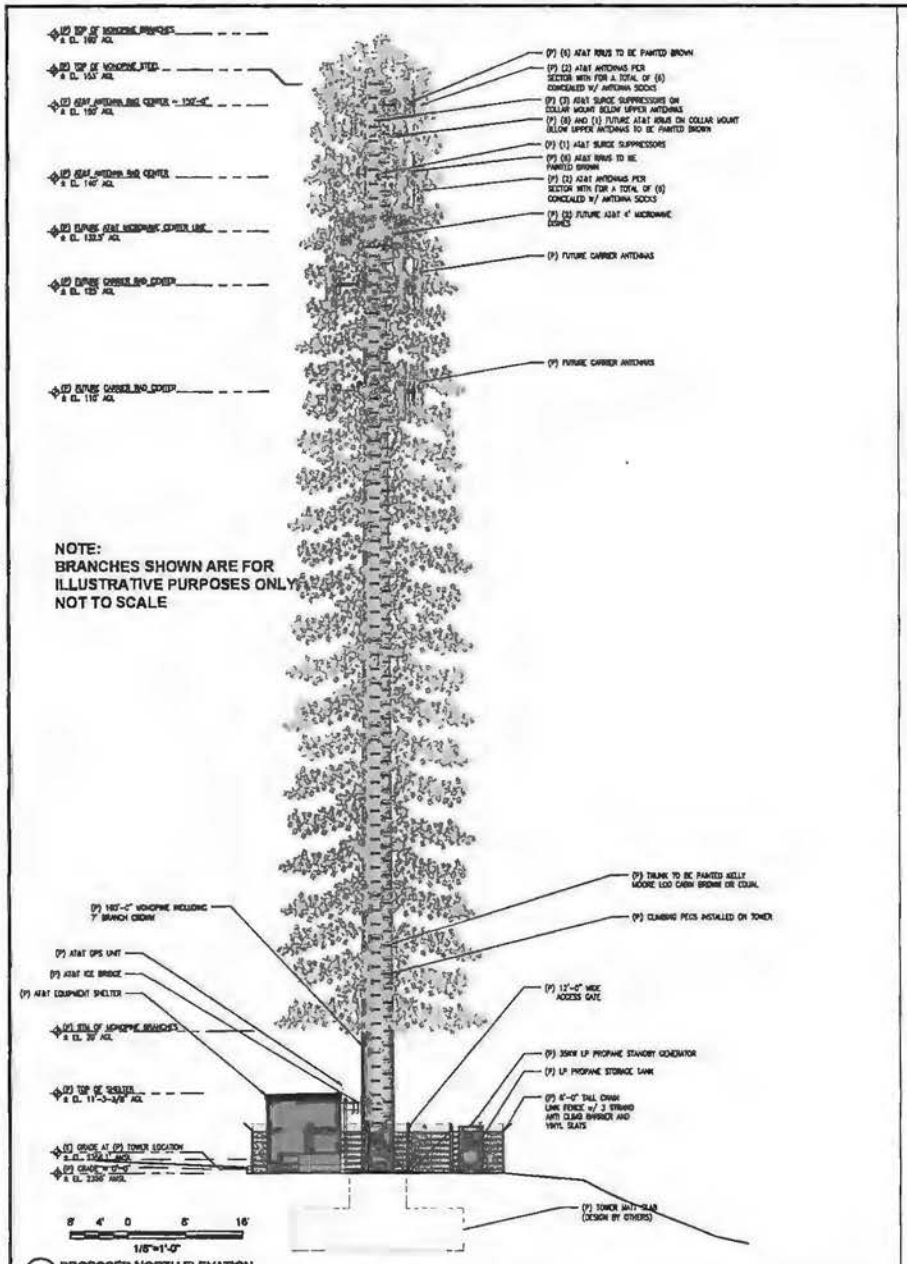
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

ANTENNA PLAN & DETAILS

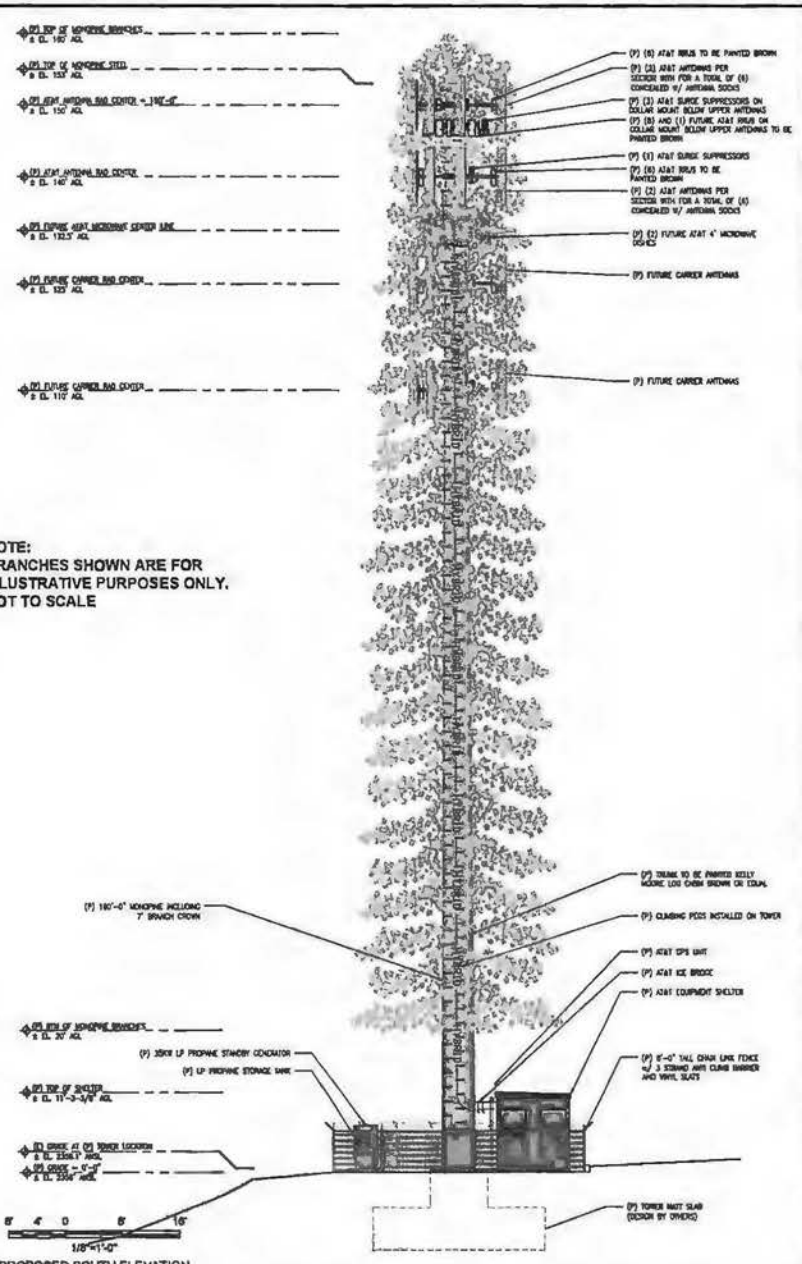
SHEET NUMBER:

A-3



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

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



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

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

SITE TYPE: MONOPINE/SHELTER

Issued For:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2600 Camino Ramon, 4W650 H
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	05/30/17	ZONING
0	05/30/17	ZONING

Licensor:

No. 84674

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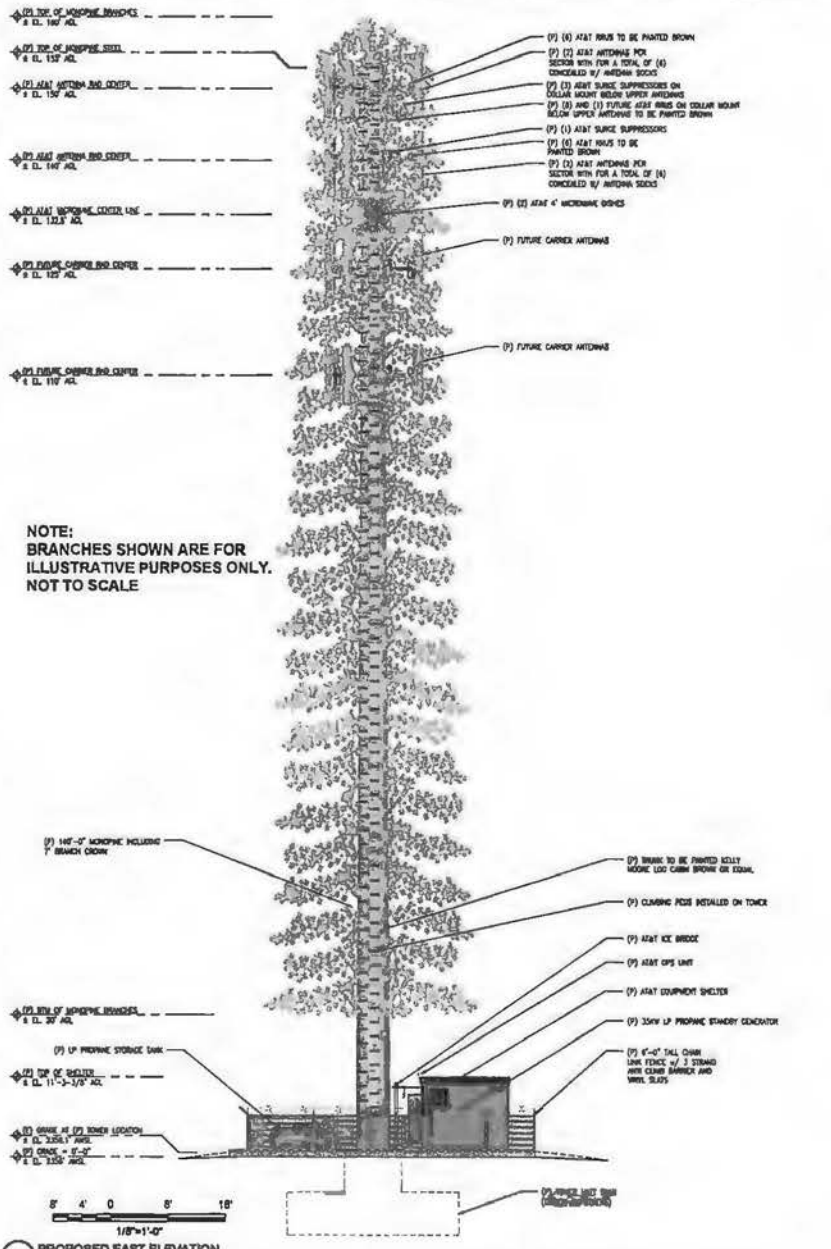
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

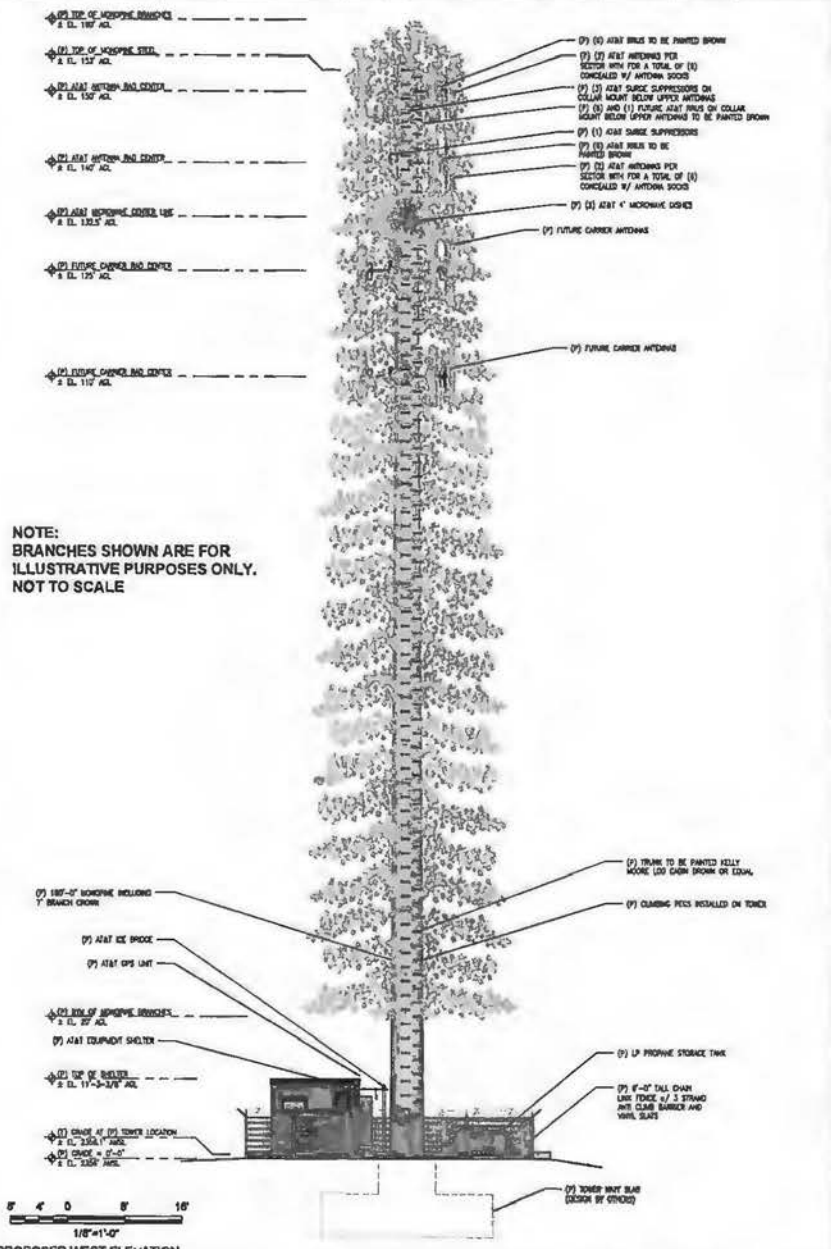
PROPOSED MONOPINE NORTH - SOUTH ELEVATION

SHEET NUMBER:

A-4.1



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



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

SITE TYPE: MONOPINE/SHELTER

Invest for:

KELSEY

6451 SHOO FLY ROAD

PLACERVILLE, CA 95667

PREPARED FOR

at&t

2400 Camino Ramon, 4th Floor N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03126
PROJECT NO:	13787635
DRAWN BY:	EAS/ CES
CHECKED BY:	CES

NO	DATE	DESCRIPTION
0	1/19/17	ZD SET

Licensor:

No. 84674

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

Engineer:

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

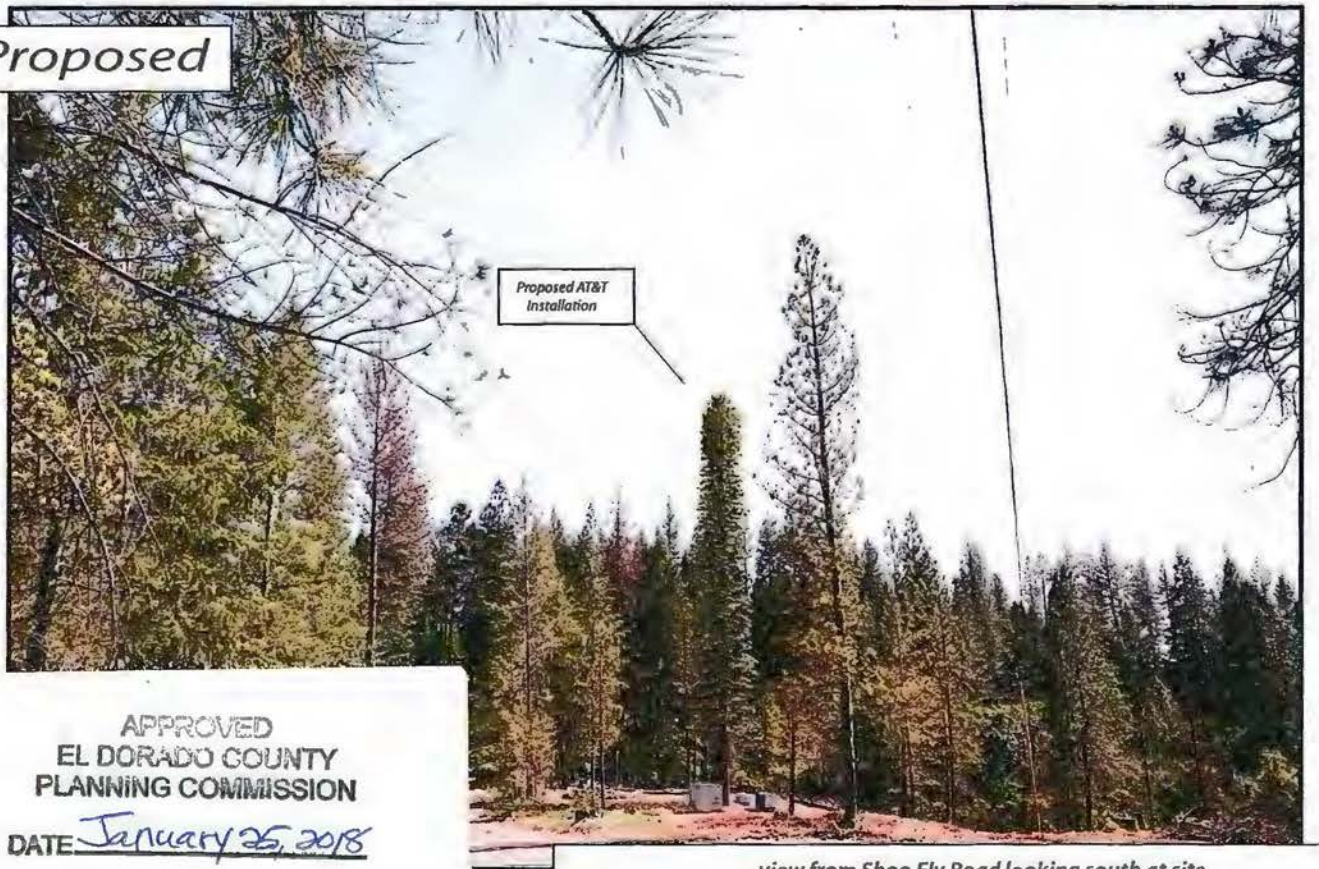
SHEET TITLE:
PROPOSED MONOPINE WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

Site 2-Exhibit G

Existing

Proposed



APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dlw
EXECUTIVE SECRETARY

view from Shoo Fly Road looking south at site

AT&T Wireless

CVL03126 Kelsey
6451 Shoo Fly Road, Placerville, CA
Photosims Produced on 5-12-2017

Existing

Proposed

view from Shoo Fly Road looking southeast at site

AT&T Wireless

CVL03126 Kelsey
6451 Shoo Fly Road, Placerville, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

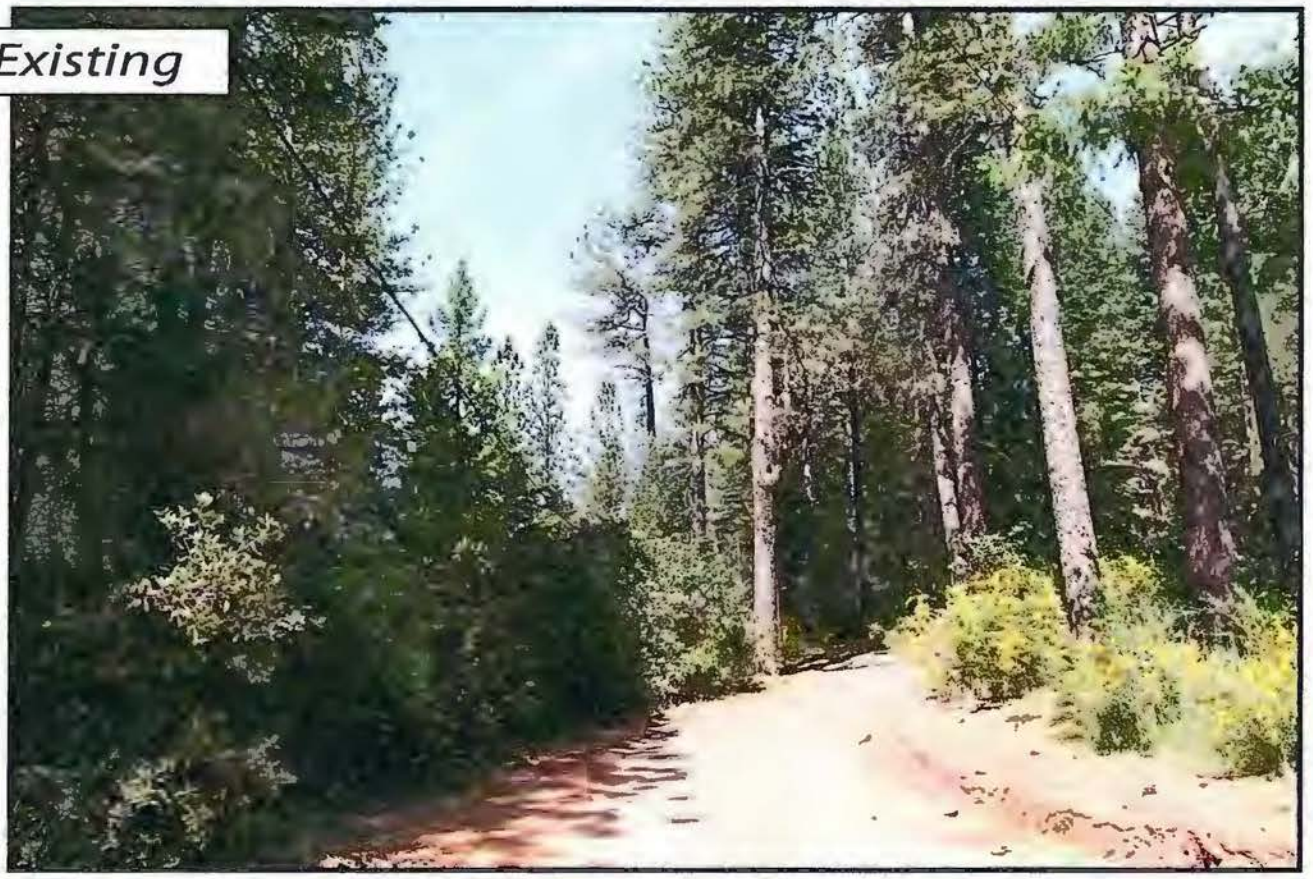
AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

view from Laughlin Road looking east at site

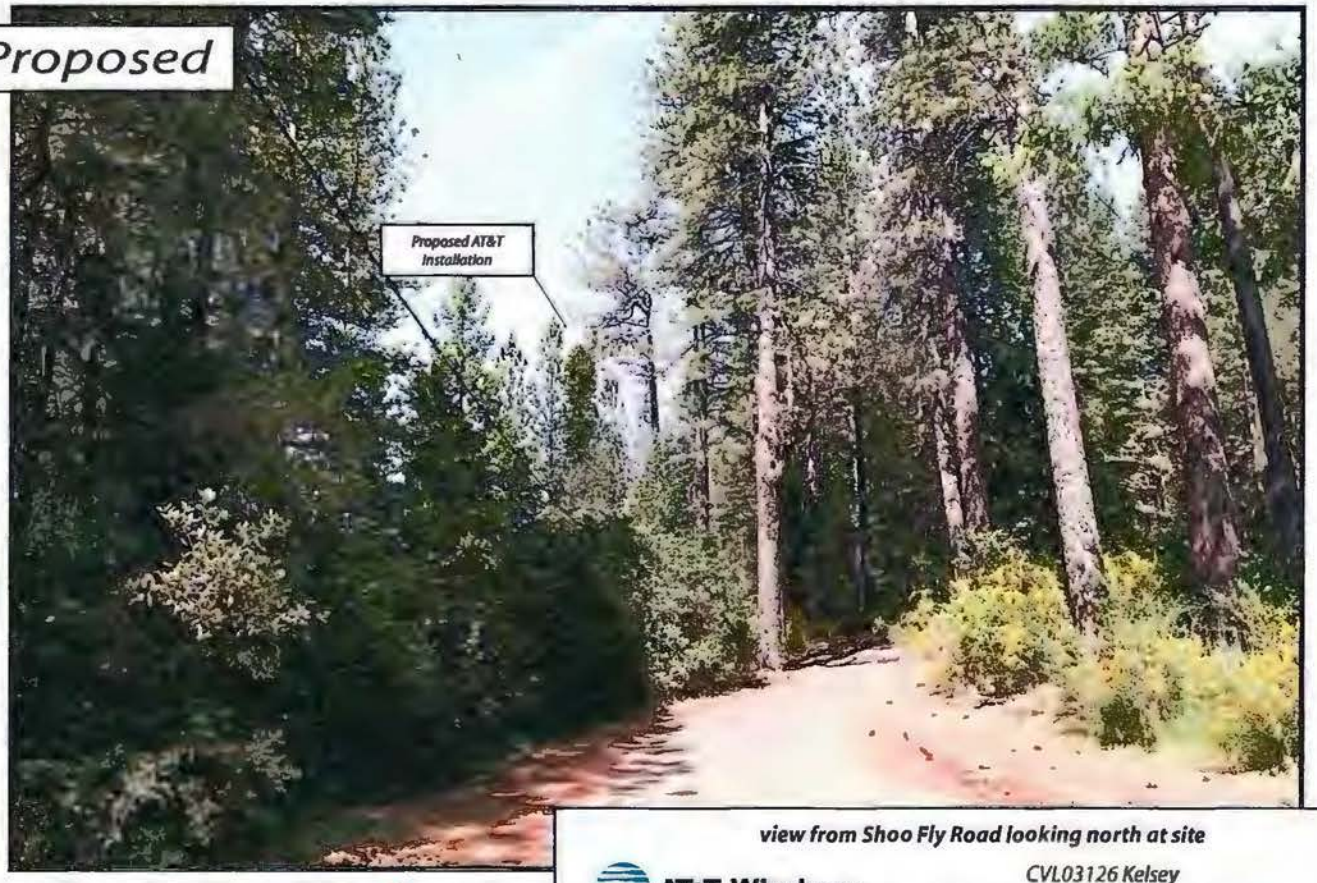
AT&T Wireless

CVL03126 Kelsey
6451 Shoo Fly Road, Placerville, CA
Photosims Produced on 5-12-2017

Existing



Proposed



view from Shoo Fly Road looking north at site

AT&T Wireless

CVL03126 Kelsey
6451 Shoo Fly Road, Placerville, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

AT&T Wireless

CVL6451 Kelsey
6451 Shoo Fly Road, Placerville, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

PLANNING COMMISSION
DATE January 25, 208
BY Roger Trout/Hre

Site 2-Exhibit I

WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Kelsey**	**Site Structure Type:**	**Monopine**
Address:	**6451 Shoo Fly Road**	**Latitude:**	**38.797971**
	Placerville, CA	**Longitude:**	**-120.802715**
Report Date:	**May 16, 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 Kelsey site located at 6451 Shoo Fly Road, Placerville, CA. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

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

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

f=Frequency (MHz)

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

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any particular location given the spatial orientation and operating parameters of multiple RF sources. These theoretical results represent worst-case predictions as emitters are assumed to be operating at 100% duty cycle.

For any area in excess of 100% General Population MPE, access controls with appropriate RF alerting signage must be put in place and maintained to restrict access to authorized personnel. Signage must be posted to be visible upon approach from any direction to provide notification of potential conditions within these areas. Subject to other site security requirements, occupational personnel should be trained in RF safety and equipped with personal protective equipment (e.g. RF personal monitor) designed for safe work in the vicinity of RF emitters. Controls such as physical barriers to entry imposed by locked doors, hatches and ladders or other access control mechanisms may be supplemented by alarms that alert the individual and notify site management of a breach in access control. Waterford Consultants, LLC recommends that any work activity in these designated areas or in front of any transmitting antennas be coordinated with all wireless tenants.

Analysis

AT&T Mobility proposes the following installation at this location:

- Install twelve (12) antennas, four (4) per sector
- Add twenty-one (21) RRUs

The antennas will be mounted on a 160-foot monopine 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 26,227 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 0.4250% of the FCC General Population limits (0.0850% 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 0.2295% of the FCC General Population limits (0.0459% 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

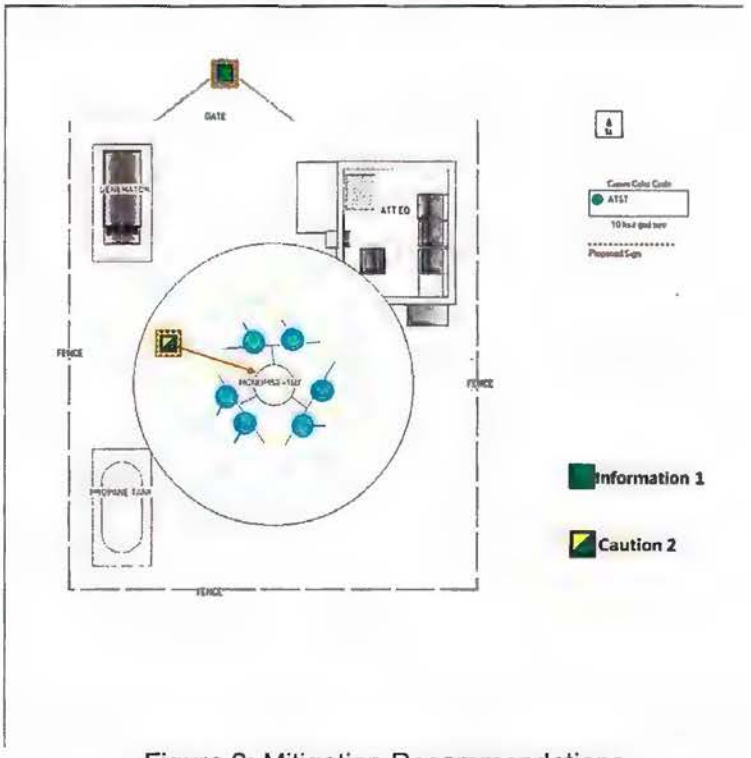


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 6451 Shoo Fly Road, Placerville, CA will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the monopine to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

Certification

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

SITE NUMBER: CVL03434

SITE NAME: SWEENEY'S CROSSING

at&t

7800 STEPHANIE LANE
SOMERSET, CA 95684
JURISDICTION: EL DORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ROAD IMPROVEMENT FROM ROW
3. 30'X40' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 160'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (31) RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 4' MICROWAVE DISHES
11. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VINAL SLATS
12. ADD 30KW LP PROPANE GENERATOR
13. ADD 500 GAL LP PROPANE STORAGE TANK

CODE COMPLIANCE

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

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

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE TITLE 24 PART 2, SECTION 118-203.4

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: SWEENEY'S CROSSING
SITE NUMBER: CVL03434

SEARCH RING: SWEENY'S CROSSING
FA# 13787575
SITE ADDRESS: 7800 STEPHANIE LANE
SOMERSET, CA 95684

A.P.N. NUMBER: 041-900-07

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESEDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: EL DORADO COUNTY

LATITUDE: N 38° 36' 51.60"

LONGITUDE: W 120° 35' 23.23"

GROUND ELEVATION: ±2161.1 FT. AMSL

PROPERTY OWNER:
ANTHONY & LISA CIANCHETTA
7800 STEPHANIE LANE
SOMERSET, CA 95684

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

RFDS DATED 02-15-2017, ISSUE 1.0
REVISION 1.00.00

VICINITY MAP

SPECIAL INSPECTIONS

PROJECT TEAM

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

RF ENGINEER:
AT&T CONTACT: MUHAMMAD AHMED
EMAIL: MA8129@ATT.COM

PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1448

SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 755-1328

CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANNS
EMAIL: PETE.MANNS@EPICWIRELESS.NET
PH: (530) 383-3957

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
EMAIL: CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 933-2763

ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGM-HORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR.:
VINCULUMS CM
CONTACT: KEN ABEL
EMAIL: KABEL@VINCULUMS.COM
PH: (916) 844-4802

DIRECTIONS FROM AT&T

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

2600 CAMINO RAMON
SAN RAMON, CA 94583

1. GET ON I-680 N FROM CAMINO RAMON AND BOLLINGER CANYON RD 4 MIN (1.2 MI) HEAD EAST 157 FT
2. TURN RIGHT TOWARD CAMINO RAMON 0.2 MI
3. TURN RIGHT ONTO CAMINO RAMON 0.2 MI
4. CONTINUE STRAIGHT TO STAY ON CAMINO RAMON 0.1 MI
5. TURN RIGHT ONTO BOLLINGER CANYON RD 0.4 MI
6. USE THE RIGHT 2 LANES TO MERGE ONTO I-680 N VIA THE RAMP TO SACRAMENTO 0.3 MI
7. FOLLOW I-680 N, I-80 E AND US-50 E TO MISSOURI FLAT RD IN EL DORADO COUNTY. TAKE EXIT 44A FROM US-50 E 1 HR 47 MIN (121 MI)
8. MERGE ONTO I-680 N 10.8 MI
9. KEEP LEFT TO STAY ON I-680 N 3.0 MI
10. KEEP LEFT AT THE FORK TO STAY ON I-680 N 3.8 MI
11. KEEP LEFT AT THE FORK TO CONTINUE ON I-680 14.4 MI
12. USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO 0.4 MI
13. MERGE ONTO I-80 E 29.0 MI
14. KEEP LEFT AT THE FORK TO STAY ON I-80 E 12.1 MI
15. KEEP LEFT AT THE FORK TO CONTINUE ON I-80EL E/US-50 E/CAPITAL CITY FREEWAY, FOLLOW SIGNS FOR INTERSTATE 80 BUSINESS/SACRAMENTO/SOUTH LAKE TAHOE 5.3 MI
16. CONTINUE ONTO US-50 E 38.2 MI
17. TAKE EXIT 44A FOR MISSOURI FLAT RD 0.2 MI
18. TAKE PLEASANT VALLEY RD AND HAPPY VALLEY RD TO STEPHANIE LN 49 MIN (30.7 MI)
19. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO MISSOURI FLAT RD 1.7 MI
20. TURN LEFT ONTO PLEASANT VALLEY RD 0.5 MI
21. CONTINUE STRAIGHT TO STAY ON PLEASANT VALLEY RD 9.5 MI
22. TURN RIGHT ONTO VT AMADA RD 2.0 MI
23. TURN LEFT ONTO HAPPY VALLEY CUTOFF RD 0.7 MI
24. SLIGHT LEFT ONTO HAPPY VALLEY RD 2.3 MI
25. TURN RIGHT TO STAY ON HAPPY VALLEY RD 2.4 MI
26. TURN RIGHT ONTO STEPHANIE LN
27. DESTINATION WILL BE ON THE RIGHT 0.7 MI

7800 STEPHANIE LN
SOMERSET, CA 95684

APPROVALS

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

SHEET INDEX

REV		
	T-1	TITLE SHEET
	GN-1	GENERAL NOTES
	C-1	SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY
	C-2	EROSION CONTROL NOTES
	C-2.1	GRADING PLAN & DETAILS
	A-1	OVERALL SITE PLAN – EXTERIOR EQUIPMENT SHELTER
	A-1.1	SITE PLAN – EXTERIOR EQUIPMENT SHELTER
	A-2	EQUIPMENT AREA PLAN – EXTERIOR EQUIPMENT SHELTER
	A-3	ANTENNA PLAN & DETAILS – MONOPINE
	A-4.1	PROPOSED MONOPINE NORTH – SOUTH ELEVATION
	A-4.2	PROPOSED MONOPINE WEST – EAST ELEVATION

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

Site 3-Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR WAIVING. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAME.

DIGALERT
800-227-2600

Issued For:
SWEENEY'S CROSSING
7800 STEPHANIE LANE
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, #W330 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

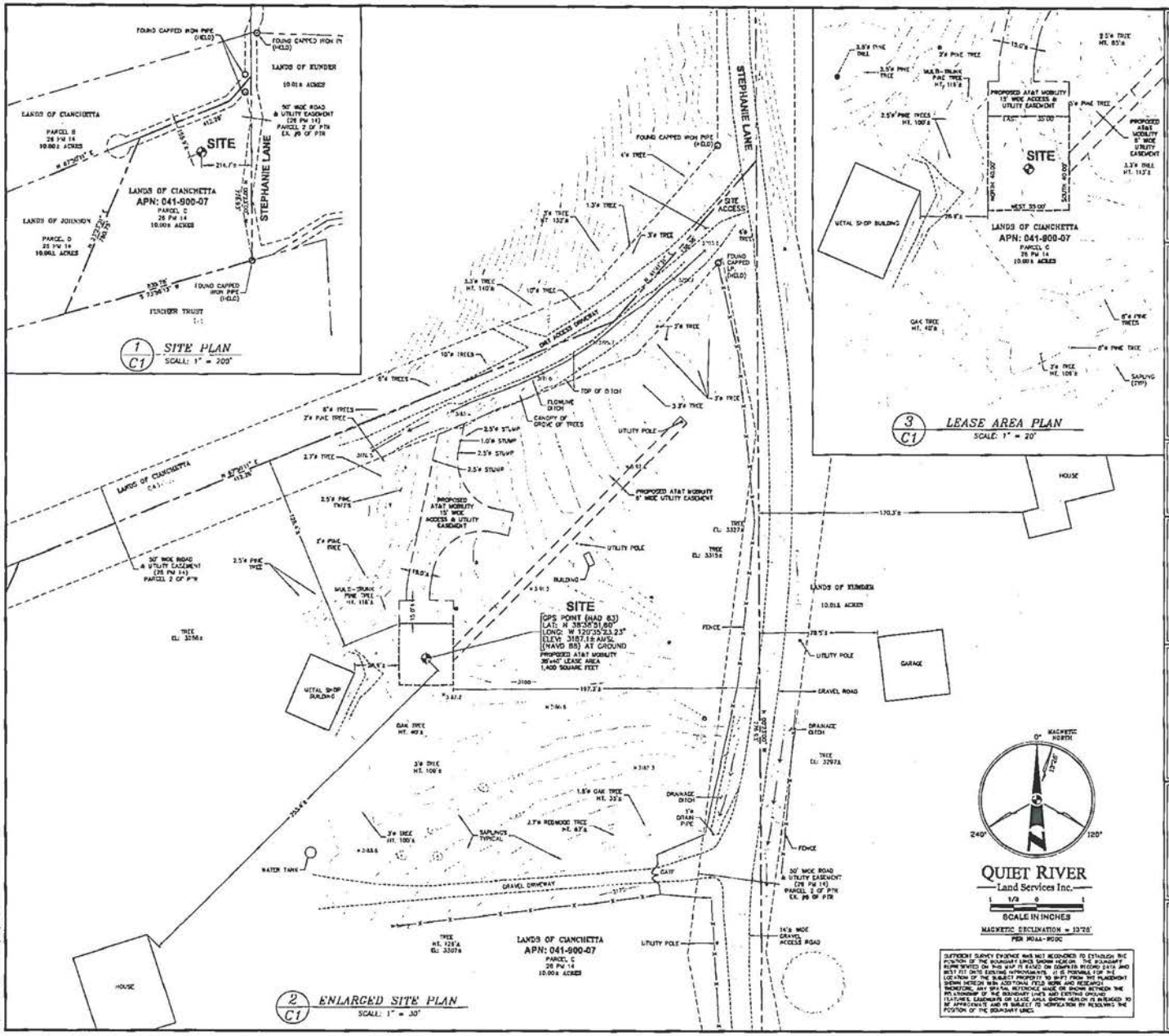
REV	DATE	DESCRIPTION
0	07/24/17	ZD PKG
0	09/08/17	ZD PKG
1	09/29/17	ZD REVISIONS/CHANGE

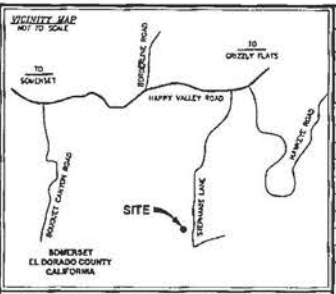
License:
No. 84674

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

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1





PROPERTY INFORMATION

Owner: ANTHONY & LISA CIANCHETTA
Address: 7800 STEPHANIE LANE, SOMERSET, CA 95684
Site: CVL03434 / SWEENEY'S CROSSING
Address: 7800 STEPHANIE LANE, SOMERSET, CA 95684
Assessor's Parcel Number: 041-900-07
Height of Building/Tower: N/A
Title Report: TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY REPORT NO. 5626800-5391565, DATED AS OF FEBRUARY 8, 2017
Legal Description: PROPERTY SITUATED IN THE CITY OF SOMERSET, COUNTY OF EL DORADO, STATE OF CALIFORNIA

FEMA FLOOD ZONE DESIGNATION National Flood Insurance Program

County: EL DORADO Effective Date: SEPTEMBER 26, 2008
Community-Panel Number: 060177C-0825-E
The Flood Zone Designation for the site as plotted by scale is:
ZONE X (no shading) - Areas determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA

NAD_83 Datum:
Lat: N 38°35'51.80" Long: W 120°35'23.23"
Datum Base: NAD_83 Equipment Used: Trimble R8 GNSS Receiver
(See note 2)
Site Ground Elevation: 3187.1± AMSL (NAVD88) AT SITE LOCATION
Basis of Elevations: GLOBAL POSITIONING SYSTEM (GPS) (SEE NOTE 2)
Basis of Bearings: CALIFORNIA COORDINATES ZONE 2 AND FOUND MONUMENTS AS SHOWN ON THAT CERTAIN PARCEL MAP FILED IN BOOK 26 AT PAGE 14 IN THE RECORDS OF EL DORADO COUNTY.
Date of Field Survey: MARCH 13, 2017

NOTES

1) This is not a boundary survey. This is a dimensional topographic map with property lines and easements being a graphic depiction of various boundaries from previously title reports, back-up documents of record, maps and available monuments found during the field survey. No property monuments were set. All Site research and performed by Quiet River Land Services, Inc.

2) The latitudes, longitudes and elevation shown hereon were derived from post-processed L1/L2 data collected using Trimble Global Positioning System (GPS) and a CHC1600-GPS Receiver. CHC Navigation specifications report horizontal and elevation (horizontal) when data is properly collected and processed. (Elevation ± 4.50 feet.)

3) Unless otherwise noted, no underground utility locating service company was contacted prior to this map being prepared, therefore, there may be unknown or unseen utilities existing on the property not shown on this map - no CALL BEFORE YOU DIG.

4) Any electronic digital media provided by Quiet River Land Services, Inc. to our client is a courtesy and is not to be reproduced, distributed, sold, altered, revised, relied or extended without the express written consent of an Officer of Quiet River Land Services, Inc. Further, only the final stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the topographical, improvements, easements, record boundary lines, bearings and distances as shown hereon are based upon a field survey as noted above and upon items of public record and data contained in a title report, as referenced. Furthermore, the Latitudes and Longitudes coordinates are expressed in NAD 83 Datum, and are accurate to within ±15 feet horizontally, and the ground elevations, expressed in NAVD 1988 Datum, is within ±3 feet vertically. The coordinate values and elevations are within the limits Redundancy Order prescribed as listed in 21 A.A.C. Intermediate Survey 21.0.13 and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL.	ELEVATION	△	CONTROL POINT
FH	FIRE HYDRANT	○	FOUND MONUMENT
FND.	FOUND		
HT.	HEIGHT		
MON.	MONUMENT	◈	GPS POINT
(M-M)	MONUMENT TO MONUMENT	13.3 / 12.3	PARAPET/ROOF ELEVATIONS
P.O.B.	POINT OF BEGINNING	×12.3	SPOT ELEVATION
P.O.C.	POINT OF COMMENCEMENT		
PP	POWER POLE	TM	TEMPORARY BENCHMARK
(TYP.)	TYPICAL		

SURVEYOR'S SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY LINES DEPICTED ON THIS MAP IS BASED ON DEEDED RECORD DATA AND BEST FIT INTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATIONS OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE, ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA SHOWN HEREON IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.

QUIET RIVER
Land Services Inc.
SCALE IN INCHES
MAGNETIC DECLINATION = 13°28'
PER NOAA-NGDC

DATE:	MAY 31, 2017
DRAWN BY:	MAS
FILE NO.:	EPIC1715

REVISIONS

DATE	DESCRIPTION	INITIAL
03/31/17	90% ISSUE	MAS
04/20/17	ADDITIONAL RFDS	MAS
05/02/17	100% ISSUE	MB
05/04/17	REVISE ACCESS EASEMENT	PD
05/31/17	REVISE ACCESS EASEMENT	PD

at&t
AT&T MOBILITY
5001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 734-6768 Phone

EXISTING SITE CONDITIONS

CVL03434
SWEENEY'S CROSSING
7800 STEPHANIE LANE
SOMERSET, CA 95684

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OF 1 SHEET

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GENERAL CONSTRUCTION NOTES:

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.

-AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
-AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
-TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
-INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
-IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "B3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK
EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

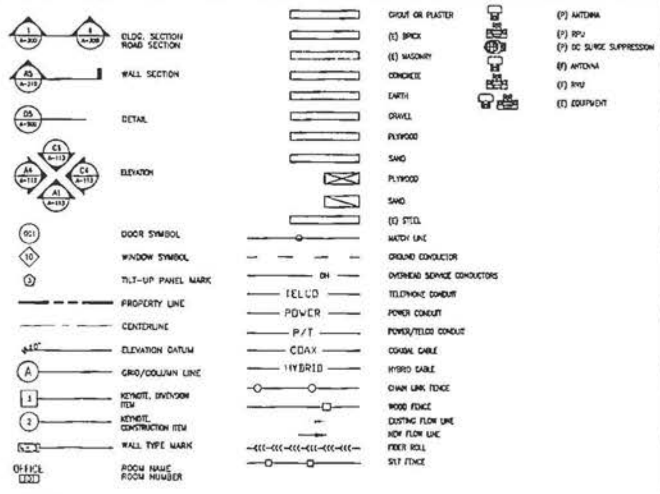
ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXST.(E)	EXISTING
EXT.	EXTERIOR
(F)	FUTURE
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWTH (CABINET)
GA.	GAUGE
GI.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN. (")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D/	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE (WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
⅊	PLATE, PROPERTY LINE

SYMBOLS LEGEND



Issued For:

SWEENEY'S
CROSSING

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SOMERSET, CA 95684

PREPARED FOR

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EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE

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

1. WET SEASON: ENTIRE PERIOD BETWEEN OCTOBER 1 THROUGH APRIL 30. CONTRACTOR SHALL ALSO IMPLEMENT WET SEASON MEASURES IF WET WEATHER IS EXPECTED DURING THE DRY SEASON
2. PHASES OF GRADING

INITIAL: WHEN CLEARING AND GRUBBING ACTIVITIES OCCUR.
ROUGH: WHEN CUT AND FILL ACTIVITIES OCCUR AND THE SITE IMPROVEMENTS ARE CONSTRUCTED, INCLUDING UNDERGROUND PIPING, STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS.
WHEN FINAL ELEVATION IS SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR CITY ACCEPTANCE.

FIBER ROLL NOTES:

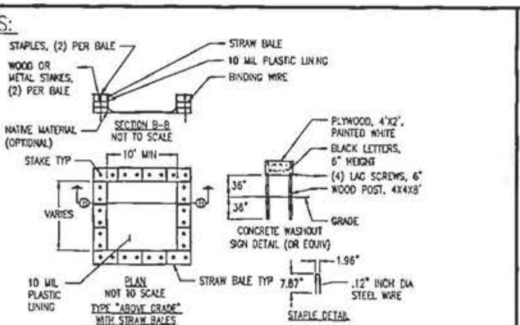
1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL, FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

1. THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
2. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
4. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE DURING AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULE PER SITE CONDITIONS.
6. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPS, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPS OR EROSION AND SEDIMENT CONTROL PLAN.
7. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
8. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION WHEN APPLICABLE FOR SITES NOT ACCESSIBLE BY COMMERCIALLY PREPARED ACCESSES. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE (WHEN APPLICABLE) SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETE.
9. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY OR AS NECESSARY.
10. CONTRACTOR SHALL PLACE GRAVEL BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
11. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
12. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
13. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
14. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
    - A. SOLID WASTE MANAGEMENT:
      PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
    - B. MATERIAL DELIVERY AND STORAGE:
      PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY
    - C. CONCRETE WASTE:
      PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
    - D. PAINT AND PAINTING SUPPLIES:
      PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.
    - E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
      PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.
    - F. HAZARDOUS WASTE MANAGEMENT:
      PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ANY AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP"S (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS. AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

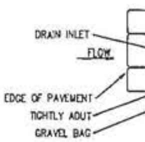
STORM WATER QUALITY NOTES:

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

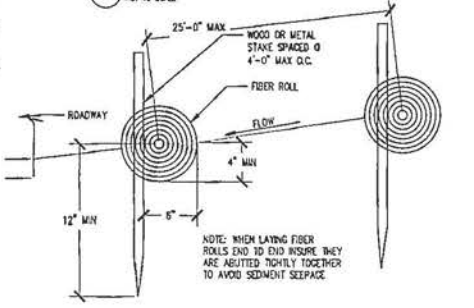


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

1 CONCRETE WASHOUT DETAIL
NOT TO SCALE

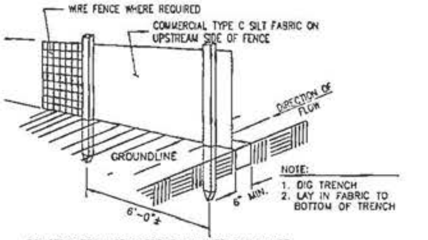


2 DRAIN INLET DETAIL
NOT TO SCALE



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

3 FIBER ROLL DETAIL
NOT TO SCALE



NOTE:
1. DIG TRENCH
2. LAY IN FABRIC TO BOTTOM OF TRENCH

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

POSTS: STEEL EITHER T OR U TYPE OR 4" HARDWOOD. MINIMUM LENGTH - 5 FEET
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING. AS DIRECTED BY MARYLAND DCR
FILTER CLOTH: FILTER X, MIRAFI 100X' STABILINKA T140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL

4 TYPE C SILT FENCE DETAIL
NOT TO SCALE

Issued For:
SWEENEY'S CROSSING
7800 STEPHANIE LANE
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, 4W850N
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:
No. 84674

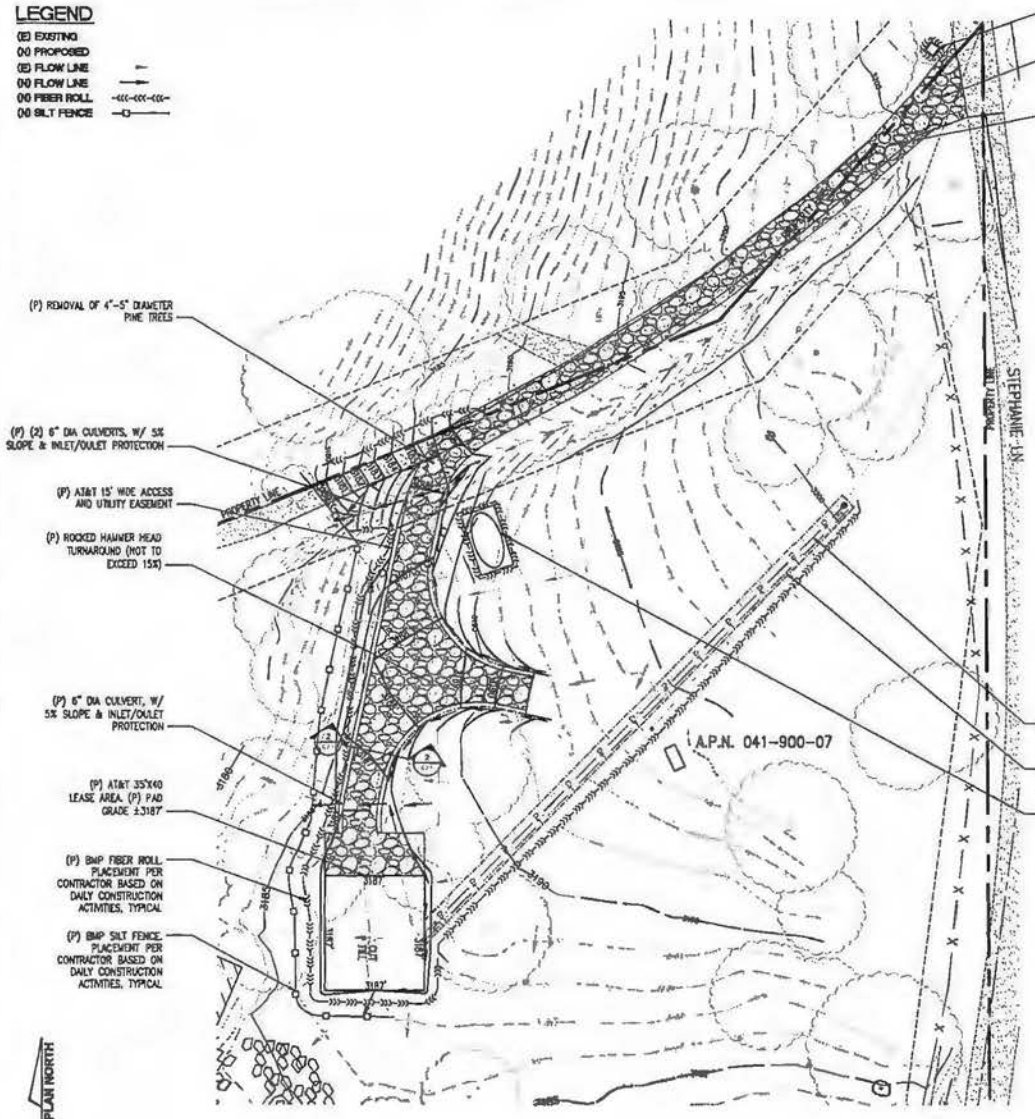
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-2

LEGEND

(E) EXISTING
(N) PROPOSED
(E) FLOW LINE
(N) FLOW LINE
(N) FIBER ROLL
(N) SILT FENCE



1 GRADING PLAN
1"=20'-0"

(P) CONCRETE WASHOUT AREA. ACTUAL PLACEMENT PER CONTRACTOR AS REQUIRED WITH ALL BMP PROTECTION IN PLACE AS OUTLINED PER PLAN

(P) TEMPORARY STABILIZED CONSTRUCTION ENTRANCE, CONSTRUCTION DEBRIS FROM TIRES NOT TO ENTER ROADWAY

(P) 12' WIDE GRAVELED ACCESS IMPROVEMENT ON (E) ROAD

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 250'±. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 83.33 CUBIC YARDS.

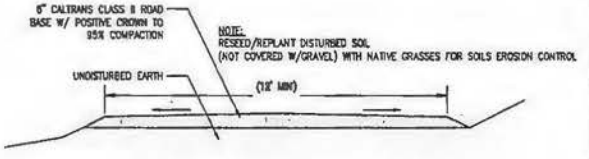
(P) ±240' UNDERGROUND POWER CONDUIT

(P) (1) 4" CONDUIT 240'± WITH INNERDUCT AND MULE TAPE BY AT&T MOBILITY

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

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



2 ACCESS ROAD DETAIL
NOT TO SCALE

SITE TYPE: MONOPINE/SHELTER

Issued for:
SWEENEY'S CROSSING
7800 STEPHANIE LANE
SOMERSET, CA 95684

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION

Licensor:
No. 84674
CIVIL
STATE OF CALIFORNIA

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

SHEET TITLE:
GRADING PLAN AND DETAILS

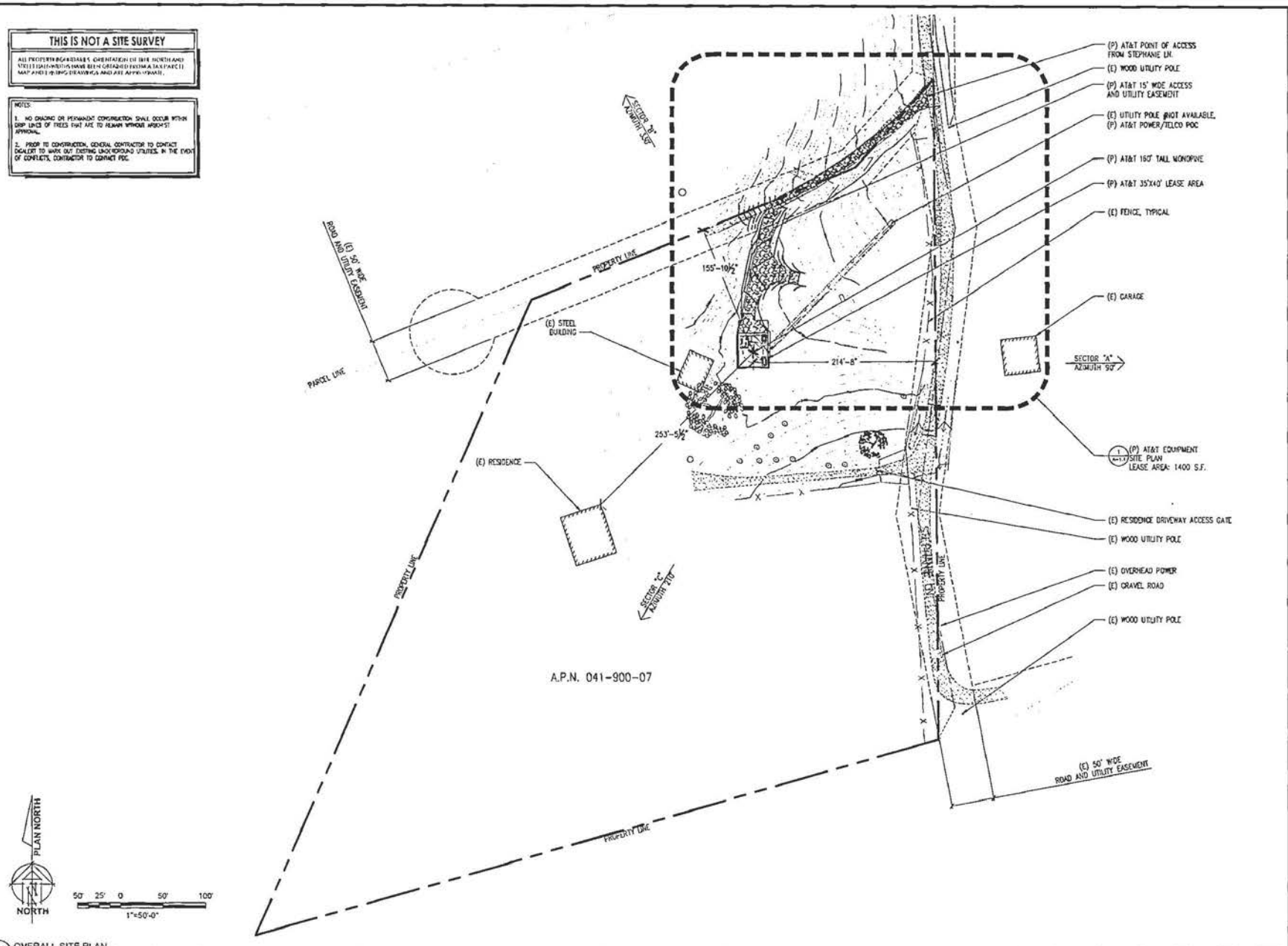
SHEET NUMBER:
C-2.1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND UTILITY LOCATIONS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND ARE APPROXIMATE.

NOTES:

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



1 OVERALL SITE PLAN
1"=50'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

SWEENEY'S CROSSING

7800 STEPHANIE LANE

SOMERSET, CA 95684

PREPARED FOR

at&t

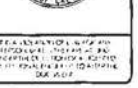
2600 Camino Ramon, 4W850 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO.	CVL03434
PROJECT NO.	13787575
DRAWN BY:	CES
CHECKED BY:	CES

2	07.28.17	ZD1 RFDS
1	05.31.17	DRAFT ZONING

Licensor:



Engineer:

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

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

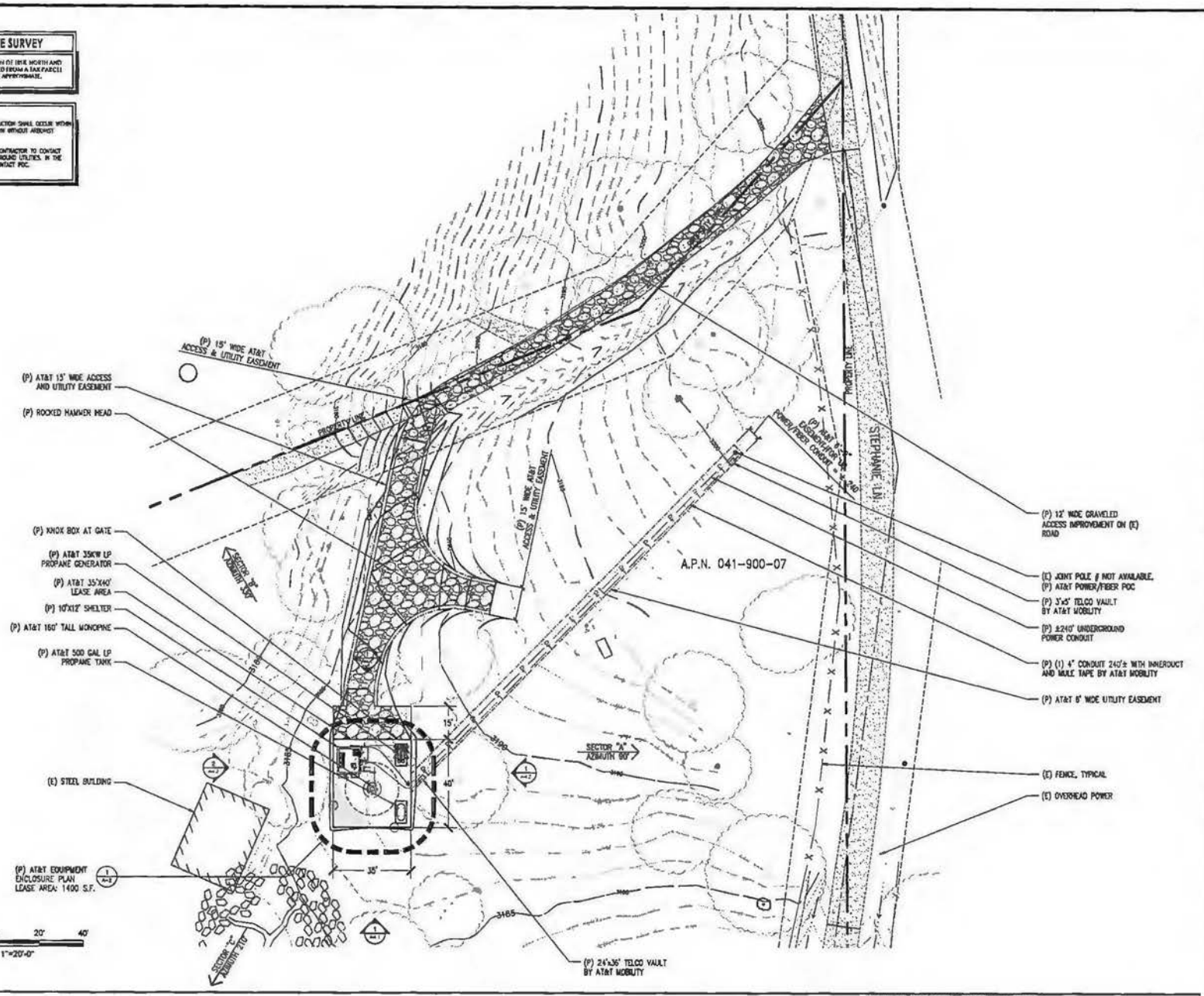
A-1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, EASEMENTS OF RECORD, NORTH AND STREET MONUMENTS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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



1 SITE PLAN
1"=20'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

SWEENEY'S CROSSING

7800 STEPHANIE LANE

SOMERSET, CA 95684

PREPARED FOR

at&t

2600 Camino Ramon, 4W830 H
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

0	01/09/17	100%
1	02/08/17	100%
2	02/21/17	ZONING ENHANCEMENT CHANGE
REV	DATE	DESCRIPTION

Licensed:

No. 84674

STATE OF CALIFORNIA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

Engineer:

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

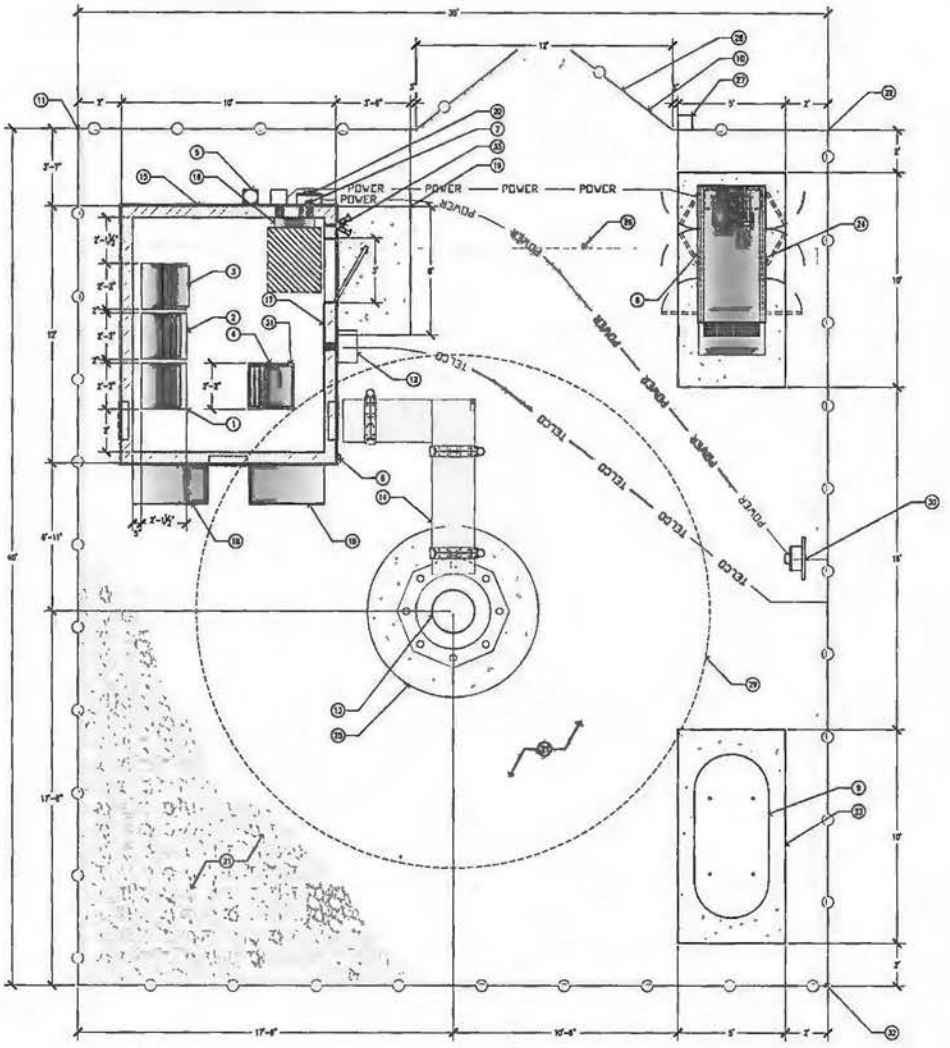
SHEET TITLE:

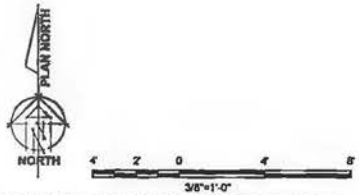
SITE PLAN

SHEET NUMBER:

A-1.1

KEYNOTES





3/8"=1'-0"

1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued for:

SWEENEY'S CROSSING

7800 STEPHANIE LANE

SOMERSET, CA 95684

PREPARED FOR

at&t

2600 Camino Ramon, #W350N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION

Licensor:

No. 84674

Engineer:

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

SHEET TITLE:

EQUIPMENT AREA PLAN

SHEET NUMBER:

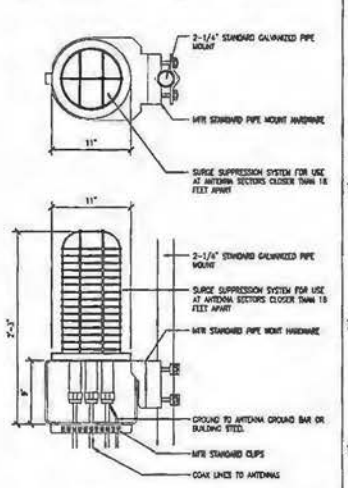
A-2

RAYCAP DC6-48-60-18-8F &
DC6-48-60-0-8F SURGE SUPPRESSION SOLUTION

COLOR: BLACK/SILVER

DIMENSIONS: 11" DIA X 27" TALL W/ 9" BASE

WEIGHT: +/- 30 LBS. (INCLUDING MOUNTING HARDWARE)



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

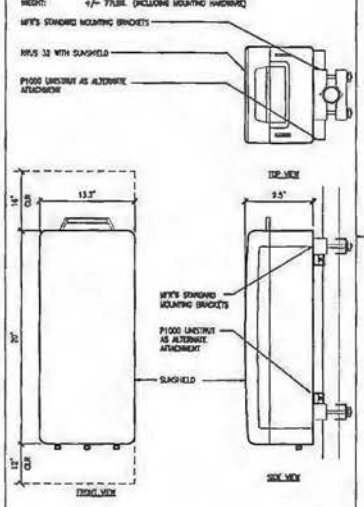
ERICSSON WCS RRU-32

MODEL: KRC161 423/1

COLOR: WHITE

DIMENSIONS: 29.9" TALL X 13.3" WIDE X 9.5" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 77LBS. (INCLUDING MOUNTING HARDWARE)



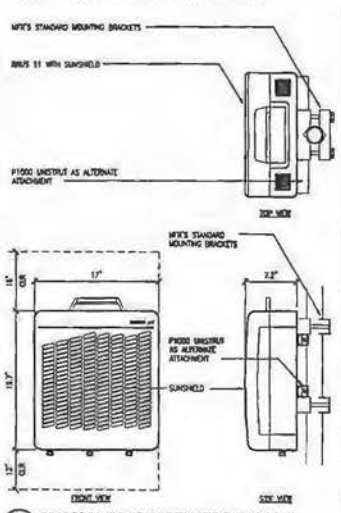
2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"

ERICSSON RRUS 11 REMOTE RADIO UNIT

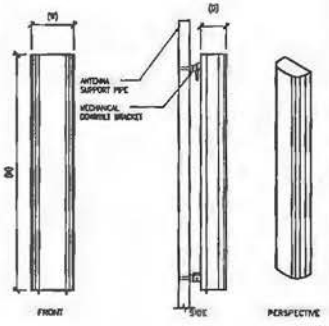
COLOR: WHITE

DIMENSIONS: 19.7" TALL X 17" WIDE X 7.2" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 30 LBS. (INCLUDING MOUNTING HARDWARE)



3 ERICSSON RRUS-11 REMOTE RADIO UNIT
1 1/2"=1'-0"



ANTENNA = QUINTEL QS6656-3
WIND AREA = 8 SQ.FT.
WEIGHT = 65 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.6" (D)

ANTENNA = QUINTEL QS6658-3
WIND AREA = 8 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.6" (D)

ANTENNA = CCI HBSA-M6SR-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 44.5 LBS
DIMENSIONS = 66.1" (H) x 13.7" (W) x 8.5" (D)

ANTENNA = CCI HBSA-M6SR-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 45.8 LBS
DIMENSIONS = 88.1" (H) x 13.7" (W) x 8.5" (D)

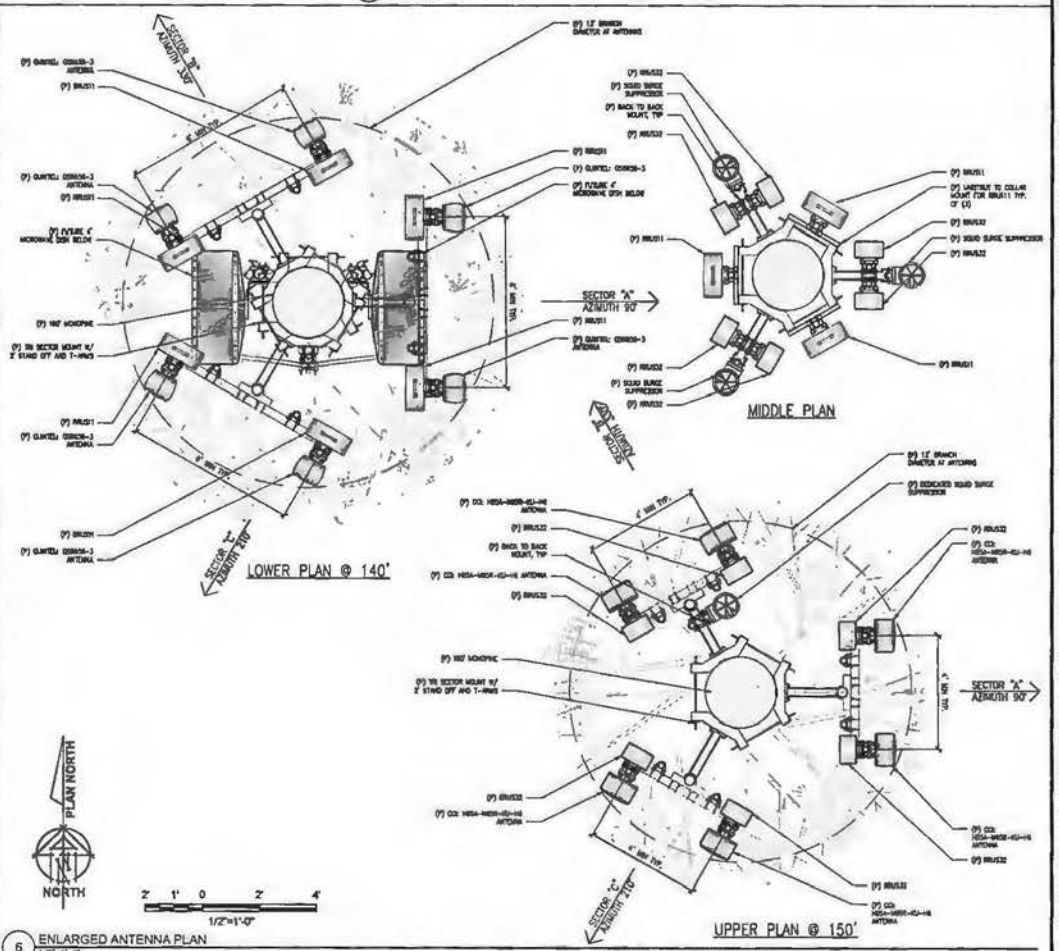
4 HEX ANTENNA SPEC
3/8"=1'-0"

RF SCHEDULE

SECTOR		ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	QS6656-3	90°	± 140'-0"	(3) RRUS1 (3) RRUS2	N/A	± 170'	± N/A	TRUNK 1
	A2	QS6658-3	90°	± 140'-0"	(2) RRUS1 (2) RRUS2	N/A	± 170'	± N/A	TRUNK 1
	A3	HBSA-M6SR-KU-H6	90°	± 150'-0"	(2) RRUS2	N/A	± 180'	± N/A	TRUNK 4
	A4	HBSA-M6SR-KU-H6	90°	± 150'-0"	(1) RRUS2	N/A	± 180'	± N/A	TRUNK 4
BETA	B1	QS6656-3	330°	± 140'-0"	(3) RRUS1 (3) RRUS2	N/A	± 170'	± N/A	TRUNK 2
	B2	QS6658-3	330°	± 140'-0"	(2) RRUS1 (2) RRUS2	N/A	± 170'	± N/A	TRUNK 2
	B3	HBSA-M6SR-KU-H6	330°	± 150'-0"	(2) RRUS2	N/A	± 180'	± N/A	TRUNK 4
	B4	HBSA-M6SR-KU-H6	330°	± 150'-0"	(1) RRUS2	N/A	± 180'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	210°	± 140'-0"	(3) RRUS1 (3) RRUS2	N/A	± 170'	± N/A	TRUNK 3
	C2	QS6658-3	210°	± 140'-0"	(2) RRUS1 (2) RRUS2	N/A	± 170'	± N/A	TRUNK 3
	C3	HBSA-M6SR-KU-H6	210°	± 150'-0"	(2) RRUS2	N/A	± 180'	± N/A	TRUNK 4
	C4	HBSA-M6SR-KU-H6	210°	± 150'-0"	(1) RRUS2	N/A	± 180'	± N/A	TRUNK 4

RF DATA SHEET v1.00.00 DATED 02/13/17

5 RF SCHEDULE
NOT TO SCALE



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

SITE TYPE: MONOPINE

Issued for:

SWEENEY'S CROSSING

7800 STEPHANIE LANE

SOMERSET, CA 95684

PREPARED FOR

at&t

3400 Camino Ramon, #180011
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

.1	10/24/17	ZV	ZONING SUBMITTAL
.2	12/12/17	ZV	ZONING SUBMITTAL
.3	02/13/18	ZV	ZONING SUBMITTAL
.4	03/23/18	ZV	ZONING SUBMITTAL
.5	04/13/18	ZV	ZONING SUBMITTAL
.6	05/11/18	ZV	ZONING SUBMITTAL
.7	06/01/18	ZV	ZONING SUBMITTAL
.8	06/15/18	ZV	ZONING SUBMITTAL
.9	07/02/18	ZV	ZONING SUBMITTAL
.10	07/16/18	ZV	ZONING SUBMITTAL
.11	08/01/18	ZV	ZONING SUBMITTAL
.12	08/15/18	ZV	ZONING SUBMITTAL
.13	08/29/18	ZV	ZONING SUBMITTAL
.14	09/12/18	ZV	ZONING SUBMITTAL
.15	09/26/18	ZV	ZONING SUBMITTAL
.16	10/10/18	ZV	ZONING SUBMITTAL
.17	10/24/18	ZV	ZONING SUBMITTAL
.18	11/07/18	ZV	ZONING SUBMITTAL
.19	11/21/18	ZV	ZONING SUBMITTAL
.20	12/05/18	ZV	ZONING SUBMITTAL
.21	12/19/18	ZV	ZONING SUBMITTAL
.22	01/02/19	ZV	ZONING SUBMITTAL
.23	01/16/19	ZV	ZONING SUBMITTAL
.24	01/30/19	ZV	ZONING SUBMITTAL
.25	02/13/19	ZV	ZONING SUBMITTAL
.26	02/27/19	ZV	ZONING SUBMITTAL
.27	03/13/19	ZV	ZONING SUBMITTAL
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.29	04/10/19	ZV	ZONING SUBMITTAL
.30	04/24/19	ZV	ZONING SUBMITTAL
.31	05/08/19	ZV	ZONING SUBMITTAL
.32	05/22/19	ZV	ZONING SUBMITTAL
.33	06/05/19	ZV	ZONING SUBMITTAL
.34	06/19/19	ZV	ZONING SUBMITTAL
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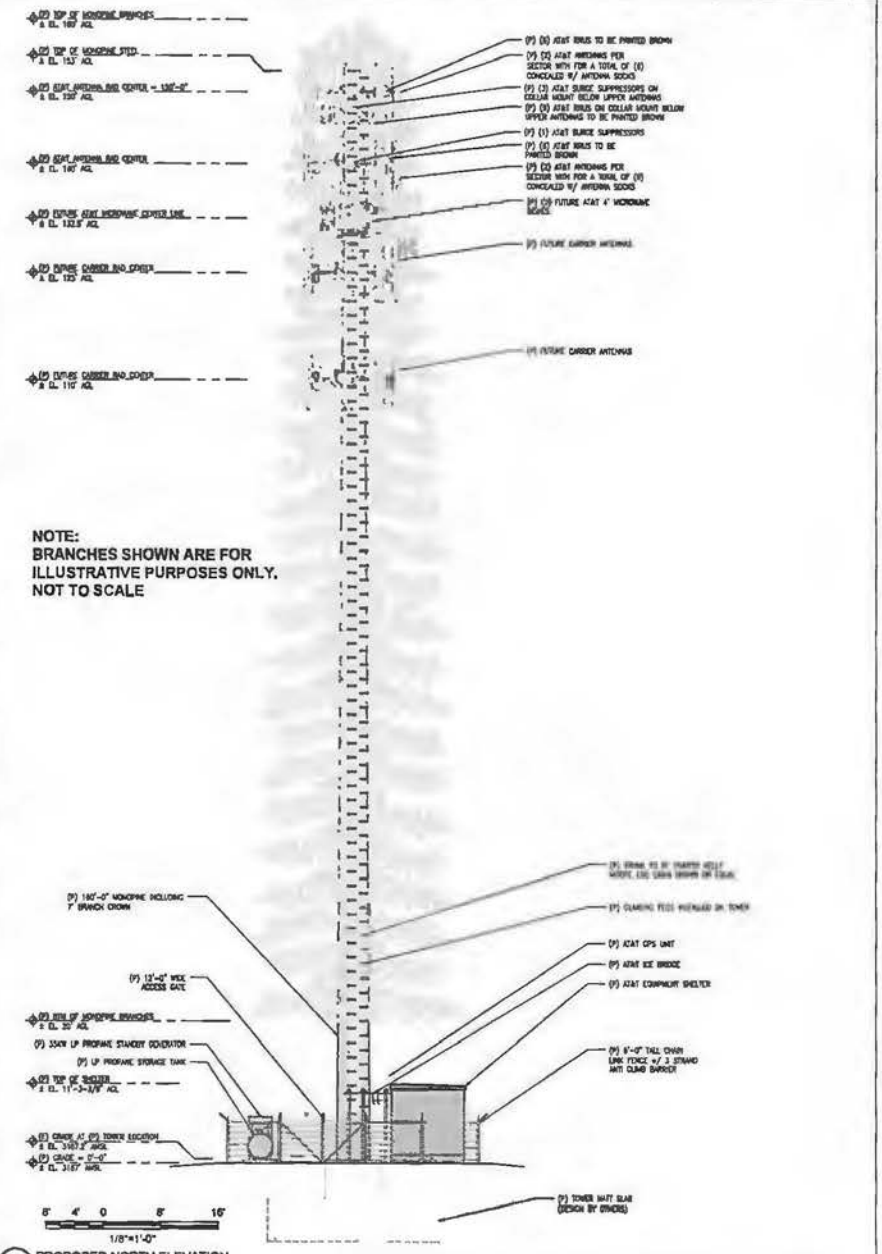
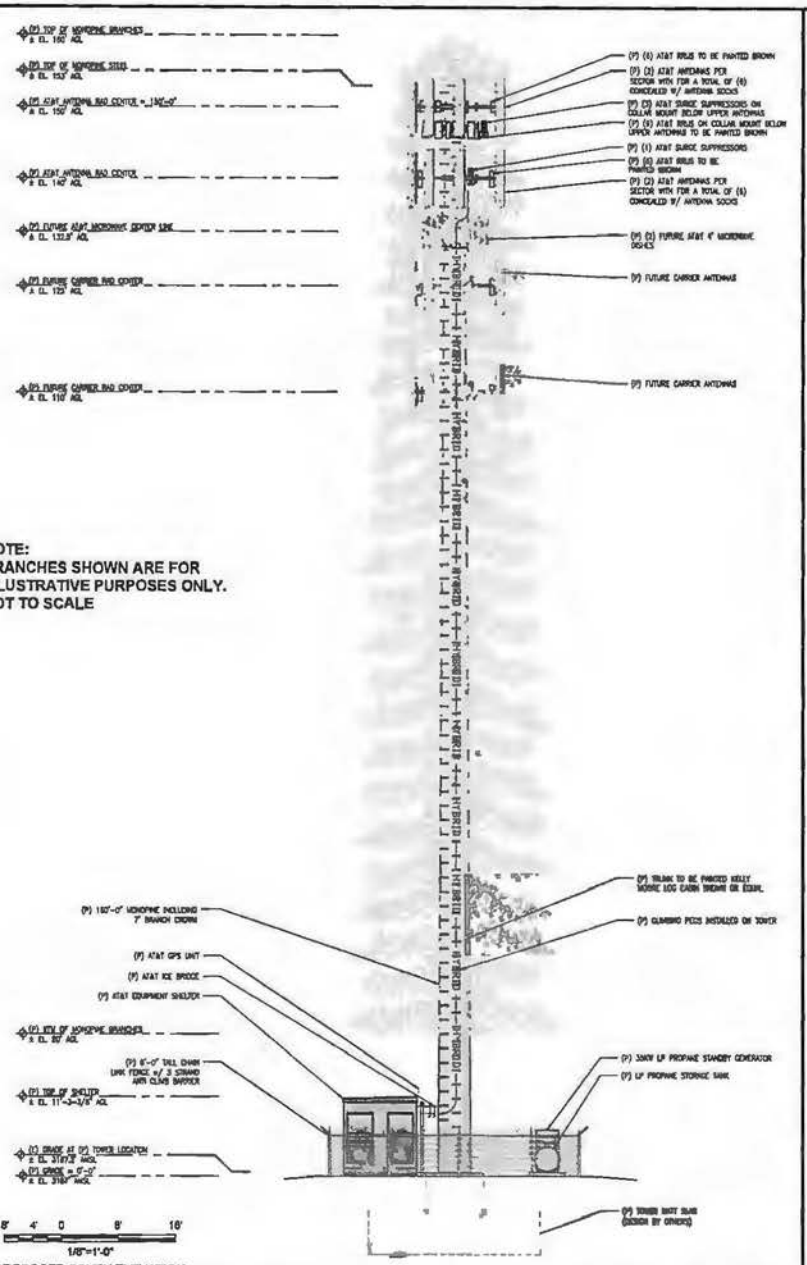


1 PROPOSED NORTH ELEVATION
1/8"=1'-0"



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

SITE TYPE: MONOPINE/SHELTER

Issued For:
SWEENEY'S CROSSING
7800 STEPHANIE LANE
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, #RB501
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL003434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

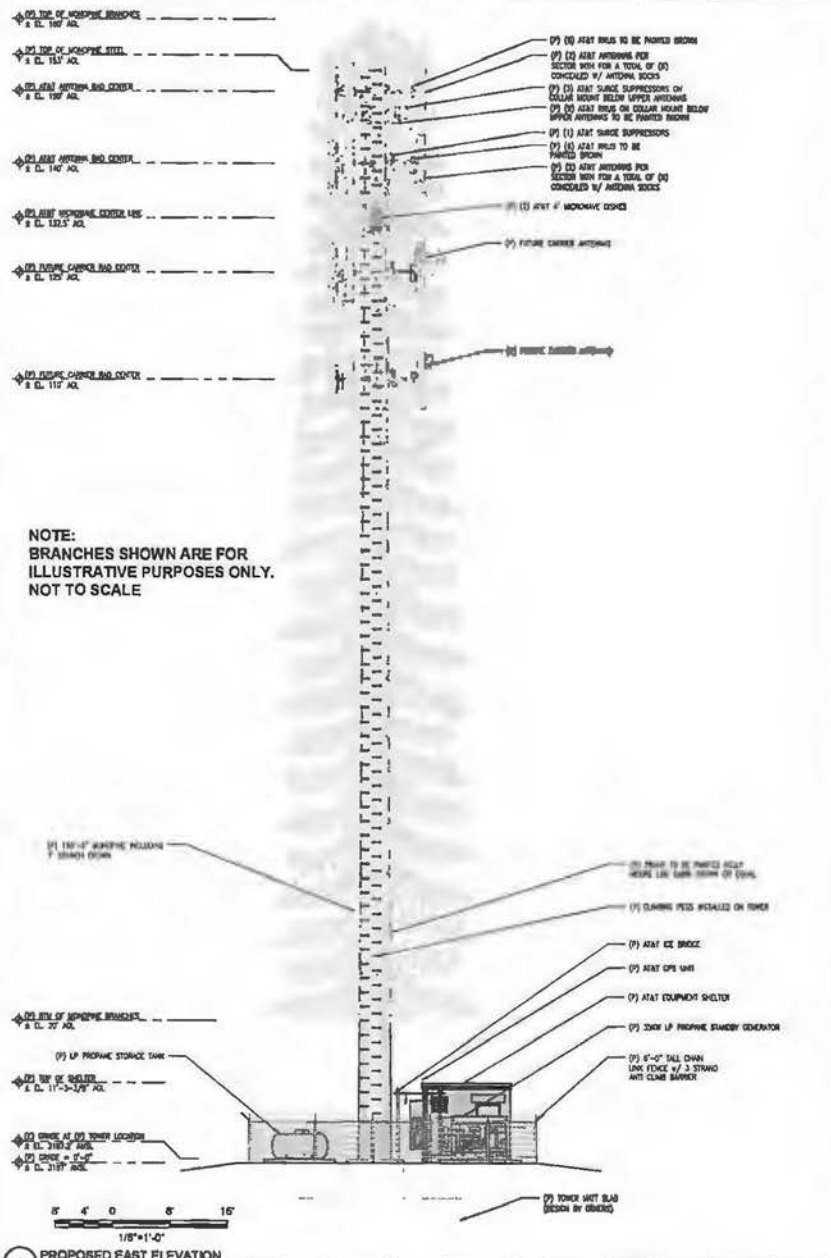
NO.	DATE	DESCRIPTION

Licensor:
No. 84674

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

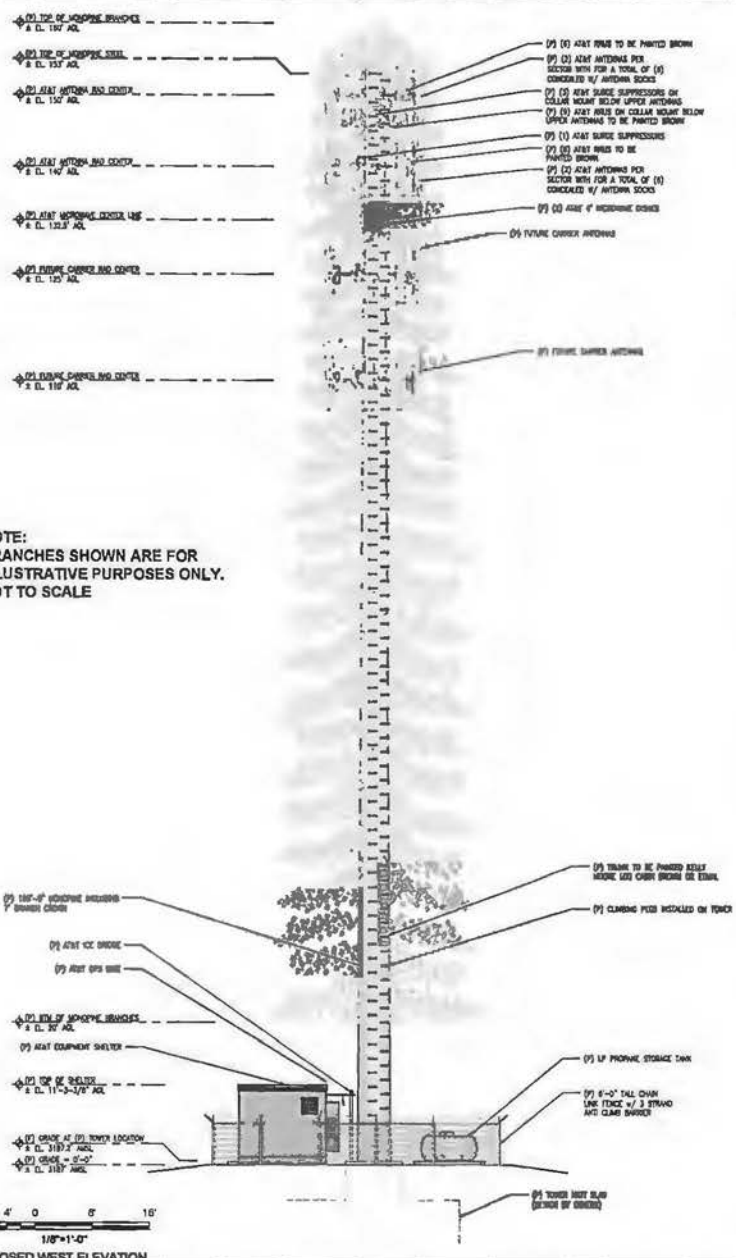
SHEET TITLE:
PROPOSED MONOPINE NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4.1



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

① PROPOSED EAST ELEVATION
1/8"=1'-0"



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

② PROPOSED WEST ELEVATION
1/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:
SWEENEY'S CROSSING
7800 STEPHANIE LANE
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, #W530 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03434
PROJECT NO:	13787575
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:
No. 84674

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

SHEET TITLE:
PROPOSED MONOPINE WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

Site 3-Exhibit G

Existing

Proposed

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

view from Stephanie Lane looking west at site

AT&T Wireless

CVL03434 Sweeny's Crossing A
7800 Stephanie Lane, Somerset, CA
Photosims Produced on 5-12-2017

Existing

Proposed

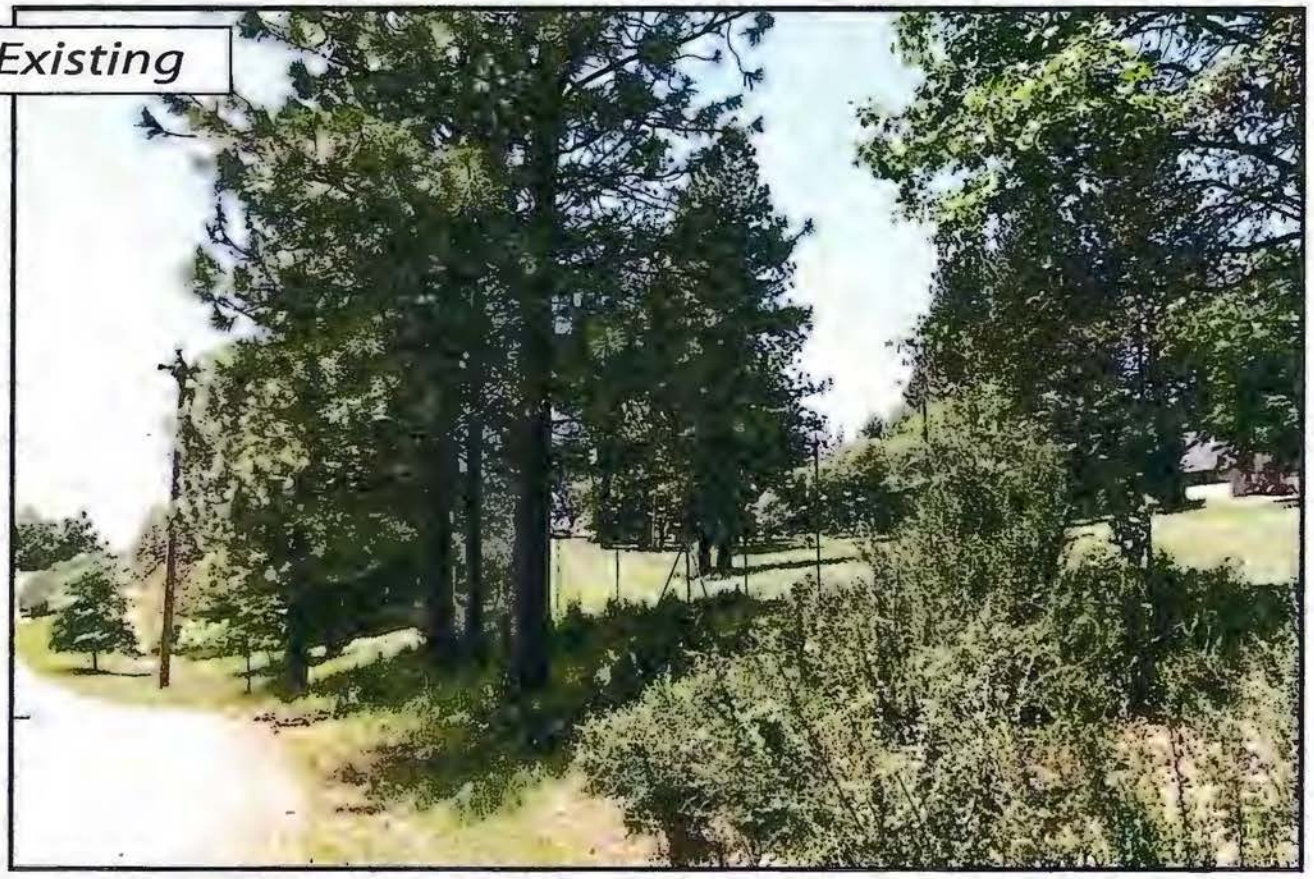
view from Stephanie Lane looking northwest at site

AT&T Wireless

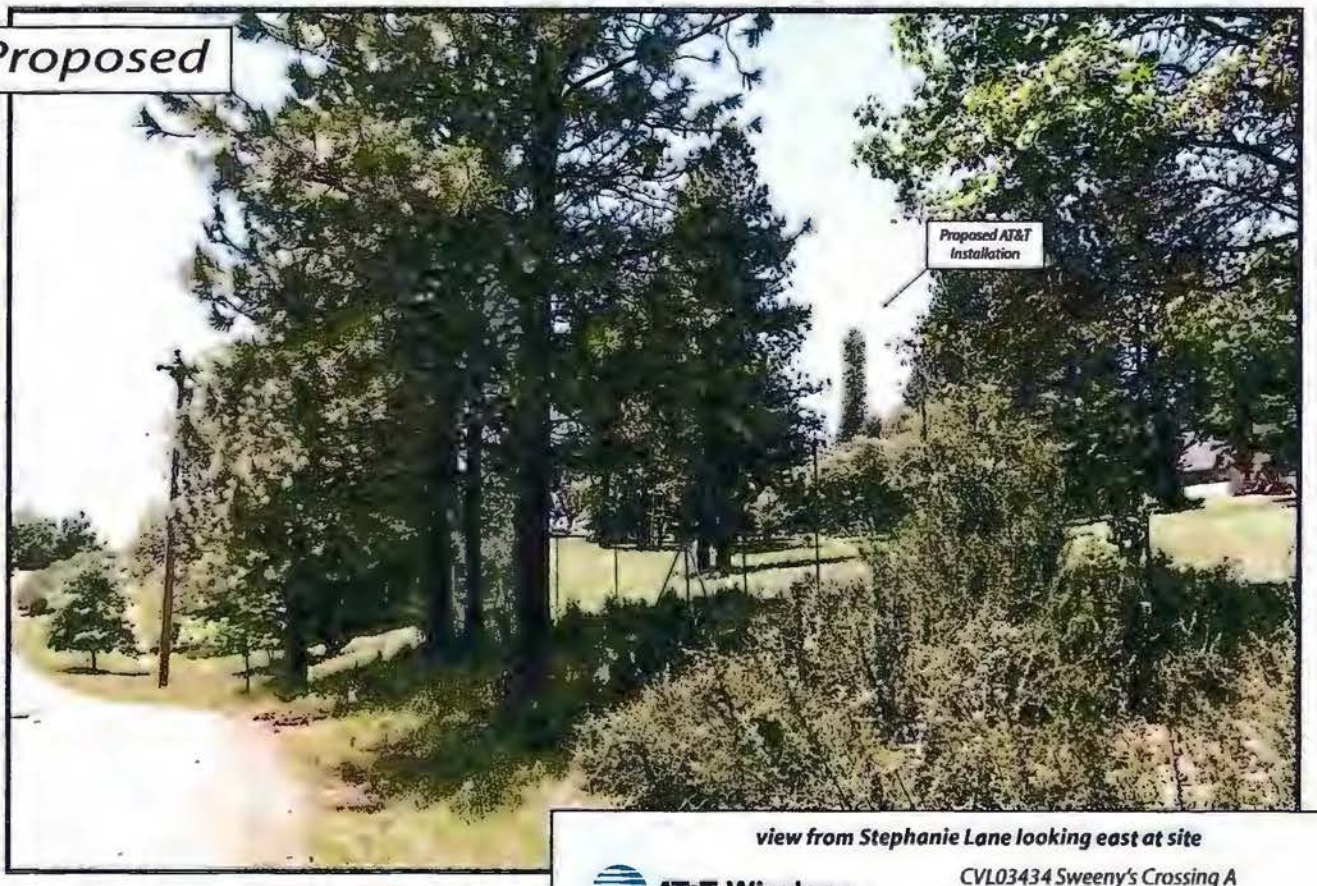
CVL03434 Sweeny's Crossing A
7800 Stephanie Lane, Somerset, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



Proposed



view from Stephanie Lane looking east at site

AT&T Wireless

CVL03434 Sweeny's Crossing A
7800 Stephanie Lane, Somerset, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

view from Happy Valley Road looking southwest at site

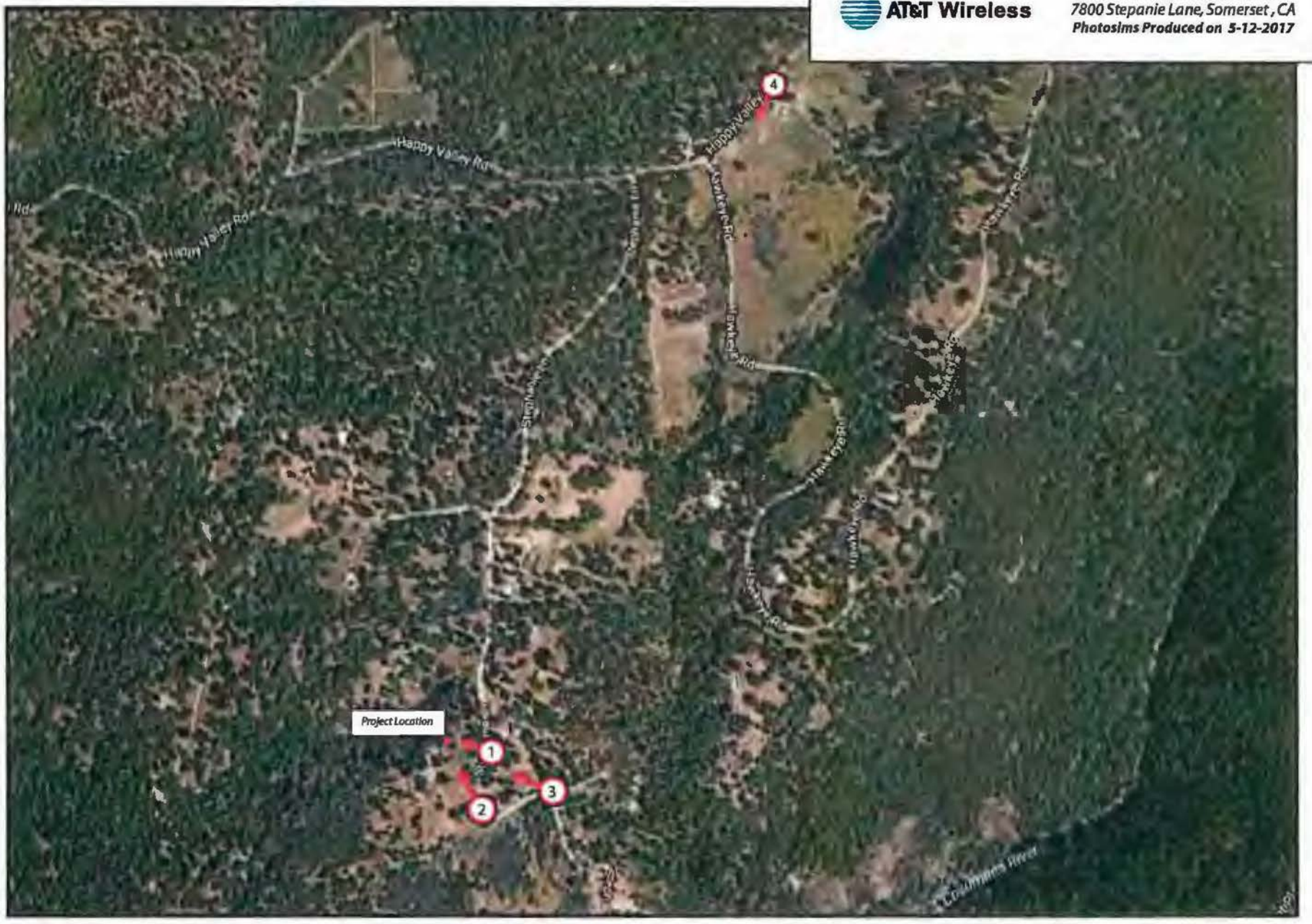
AT&T Wireless

CVL03434 Sweeny's Crossing A
7800 Stephanie Lane, Somerset, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

AT&T Wireless

CVL03434 Sweeny's Crossing A
7800 Stepanie Lane, Somerset , CA
Photosims Produced on 5-12-2017



AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre

Site 3-Exhibit I

WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Sweeneys Crossing**	**Site Structure Type:**	**Lattice**
Address:	**7800 Stephanie Lane**	**Latitude:**	**38.646564**
	Somerset, CA	**Longitude:**	**-120.589386**
Report Date:	**May 3, 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 Sweeneys Crossing site located at 7800 Stephanie Lane, Somerset, 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)	*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.

Waterford Consultants, LLC • 201 Loudoun Street Southeast Suite 300 • Leesburg, Virginia 20175 • 703.596.1022

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) panel antennas (4) per Alpha, Beta, Gamma Sector
- Add (21) RRUs

The antennas will be mounted on a 160-foot monopole with centerlines at 140 and 150 feet above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 27,672 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 0.2815% of the FCC General Population limits (0.0563% of the Occupational Limits) Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.1045% of the FCC General Population limits (0.0209% of the 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 Lattice to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

Figure 1: Antenna Locations

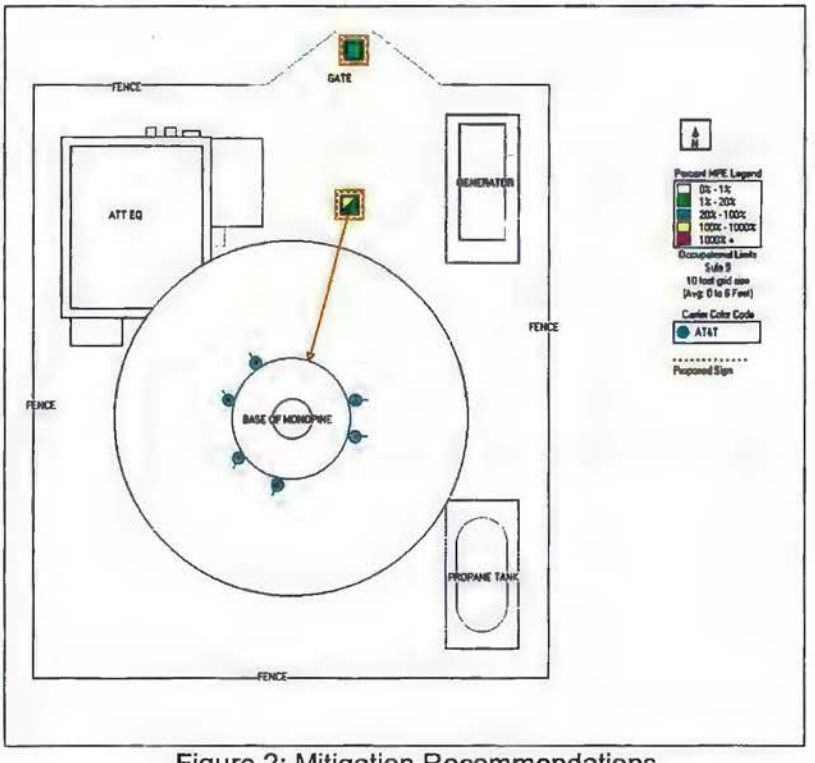


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 7800 Stephanie Lane, Somerset, 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 Lattice 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.

SITE NUMBER: CVL03059

SITE NAME: GREEN SPRINGS VALLEY

1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762
JURISDICTION: EL DORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ROAD IMPROVEMENT FROM ROW
3. 40'X45' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 100'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (19) PROPOSED AND (2) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 6' MICROWAVE DISHES
11. ADD 8'-0" HIGH CHAIN LINK FENCE W/ VINYL SLATS
12. ADD 35KW LP PROPANE GENERATOR
13. ADD 500 GAL LP PROPANE STORAGE TANK

CODE COMPLIANCE

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

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

DISABLED ACCESS REQUIREMENTS

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

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: GREEN SPRINGS VALLEY
SITE NUMBER: CVL03059

SEARCH RING: GREEN SPRINGS VALLEY
FA# 13787673
SITE ADDRESS: 1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

A.P.N. NUMBER: 102-190-27

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESIDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: EL DORADO COUNTY

LATITUDE: N 38° 42' 38.12"

LONGITUDE: W 121° 02' 15.84"

GROUND ELEVATION: ±1802.8 FT. AMSL

PROPERTY OWNER:
DAVID ALAMEDA
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

RFDS DATED 02-27-2017, ISSUE 1.0
REVISION 1.00.01

VICINITY MAP

1 NOT TO SCALE

SPECIAL INSPECTIONS

PROJECT TEAM

APPLICANT / LESSEE:
AT&T
3001 EXECUTIVE PARKWAY
SAN RAMON, CA 945834

RF ENGINEER:
AT&T CONTACT: ALEX KERRIGAN
PHONE: (916)-484-2324
EMAIL: AK4400@PUS.ATT.COM

PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1445

SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 755-1329

CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANAS
EMAIL: PETE.MANAS@EPICWIRELESS.NET
PH: (530) 383-5957

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 933-2763

ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGMHORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR:
VINCULUMS CM
CONTACT: KEN ADEL
EMAIL: KADEL@VINCULUMS.COM
PH: (916) 844-4602

DIRECTIONS FROM AT&T

DIRECTIONS FROM AT&T's OFFICE AT 2300 CAMINO RAMON, SAN RAMON, CA

2300 CAMINO RAMON
SAN RAMON, CA 94583

1. GET ON I-680 N FROM CAMINO RAMON AND BOLLINGER CANYON RD 2 MIN (1.0 MI)
2. HEAD SOUTHEAST ON CAMINO RAMON TOWARD BISHOP DR 0.2 MI
3. CONTINUE STRAIGHT TO STAY ON CAMINO RAMON 0.1 MI
4. TURN RIGHT ONTO BOLLINGER CANYON RD 0.4 MI
5. USE THE RIGHT 2 LANES TO MERGE ONTO I-680 N VIA THE RAMP TO SACRAMENTO 0.3 MI
6. FOLLOW I-680 N, I-80 E AND US-50 E TO BASS LAKE RD/MARBLE VALLEY RD IN EL DORADO COUNTY. TAKE EXIT 32 FROM US-50 E 1 H 37 MIN (108 MI)
7. MERGE ONTO I-680 N 10.8 MI
8. KEEP LEFT TO STAY ON I-680 N 5.0 MI
9. KEEP LEFT AT THE FORK TO STAY ON I-680 N 3.9 MI
10. KEEP LEFT AT THE FORK TO CONTINUE ON I-680 14.4 MI
11. USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO 0.4 MI
12. MERGE ONTO I-80 E 29.0 MI
13. KEEP LEFT AT THE FORK TO STAY ON I-80 E 12.1 MI
14. KEEP LEFT AT THE FORK TO CONTINUE ON I-80N, E/US-50 E/CAPITAL CITY FREEWAY, FOLLOW SIGNS FOR INTERSTATE 80 BUSINESS/SACRAMENTO/SOUTH LAKE TAHOE 3.2 MI
15. CONTINUE ONTO US-50 E 26.7 MI
16. TAKE EXIT 32 FOR BASS LAKE RD 0.2 MI
17. CONTINUE ON BASS LAKE RD. DRIVE TO GREEN VALLEY RD 9 MIN (5.7 MI)
18. TURN LEFT ONTO BASS LAKE RD/MARBLE VALLEY RD
19. CONTINUE TO FOLLOW BASS LAKE RD 4.0 MI
20. TURN LEFT ONTO GREEK VALLEY RD 1.8 MI

1937 GREEN VALLEY RD
EL DORADO HILLS, CA 95762

APPROVALS

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

SHEET INDEX

REV		
	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-1.2	ENLARGED SITE PLAN – EXTERIOR EQUIPMENT SHELTER
	A-2	EQUIPMENT AREA PLAN – EXTERIOR EQUIPMENT SHELTER
	A-3	ANTENNA PLAN & DETAILS – MONOPINE
	A-4.1	PROPOSED MONOPINE NORTH – SOUTH ELEVATION
	A-4.2	PROPOSED MONOPINE WEST – EAST ELEVATION

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

Site 4-Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

DIGALERT
800-227-2600

Issued For:
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2400 Camino Ramon, #W830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

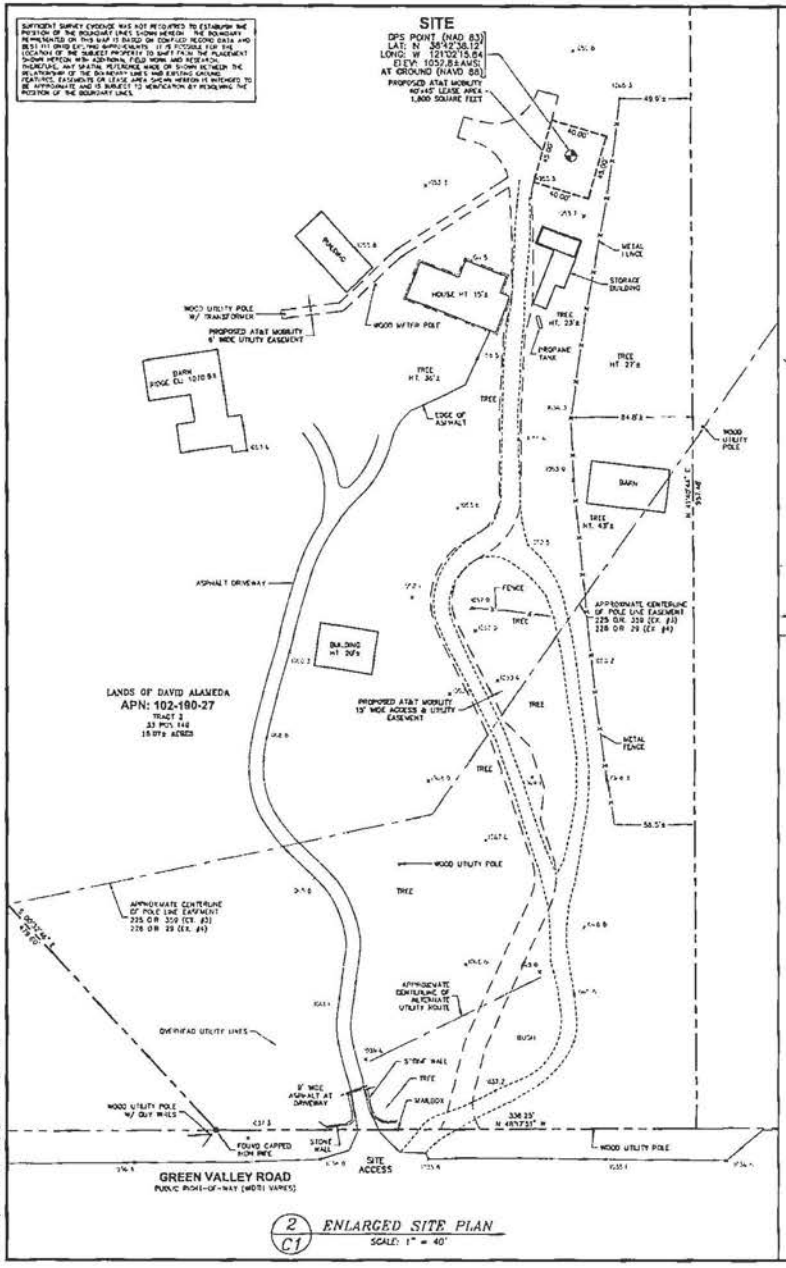
REV.	DATE	DESCRIPTION
0	10/27/17	ZD/PLANNING
0	05/15/17	ZD/PLANNING

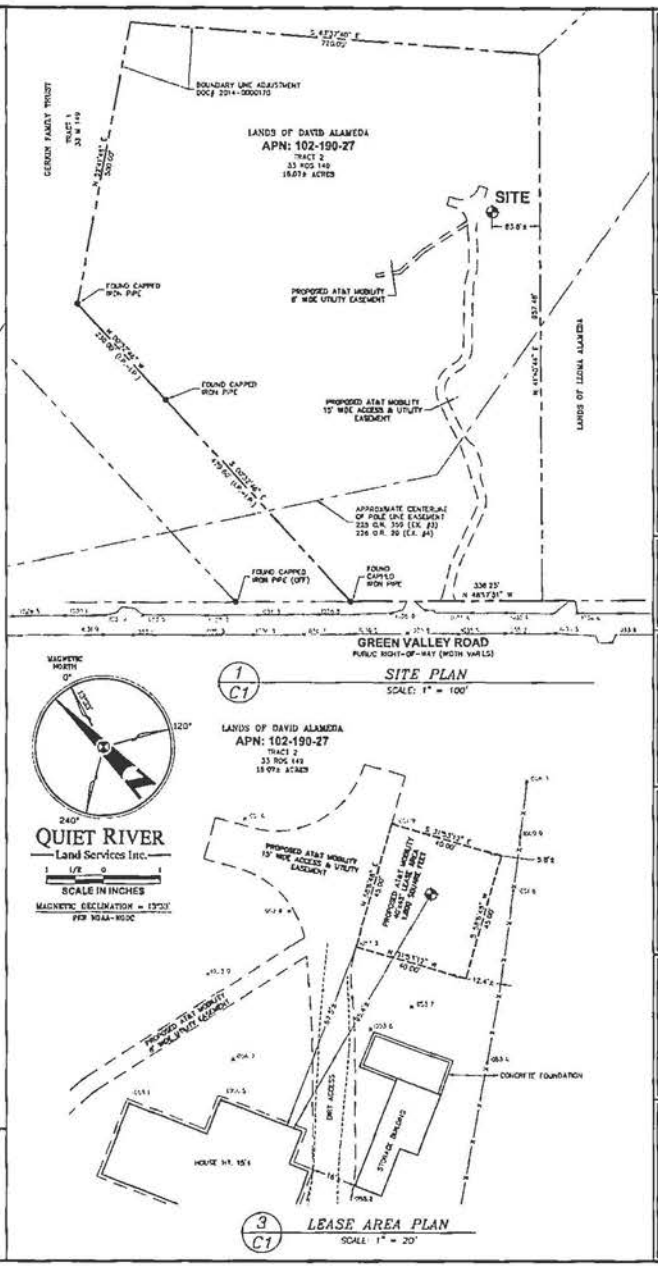
Licensor:
No. 84674

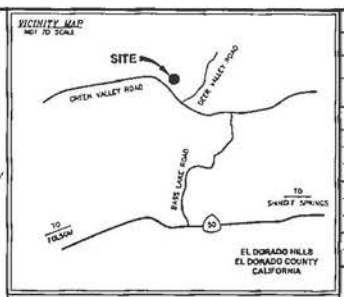
Engineer
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1







PROPERTY INFORMATION

Owner: DAVID A ANEDA
Address: 1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762
Site: GREEN SPRINGS VALLEY
Address: 1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762
Assessor's Parcel Number: 102-190-27
Height of Building/Tower: N/A
Title Report:
TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY, REPORT NO. 5626930-5380438, DATED AS OF JANUARY 30, 2017
Legal Description:
PROPERTY SITUATED IN THE CITY OF EL DORADO HILLS, COUNTY OF EL DORADO, STATE OF CALIFORNIA

FEMA FLOOD ZONE DESIGNATION

National Flood Insurance Program
County: EL DORADO Effective Date: SEPTEMBER 29, 2006
Community-Panel Number: 060172C-0725-E
The Flood Zone Designation for this site as plotted by scale is:
ZONE X (no shading) = Areas determined to be outside the 0.2% annual chance floodplain

SURVEY DATA

NAD 83 Datum
Lat: N 38°42'38.12" Long: W 121°02'15.64"
Datum Basis: NAD 83 Equipment Used: GNSS/GPS/RTK Receiver (See Note 2)
Site Ground Elevation: 1057.8± AMSL (NAVD88) AT GPS SITE LOCATION
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS) (SEE NOTE 2)
Basis of Bearings:
CALIFORNIA COORDINATES ZONE II, NAD 1983 FOUND MONUMENTS AS SHOWN.
Date of Field Survey: MARCH 9, 2017

NOTES

1) This is not a boundary survey. This is a specialized topographic map with property lines and easements being a graphic depiction of various information gathered from published sources, being boundaries of record, and other evidence encountered during the field survey. No property monuments were set. No title research was performed by Quiet River Land Services Inc.

2) The latitude, longitude and elevation shown hereon were derived from post-processed L1/L2 data collected using Navstar Global Positioning System (GPS) and a GNSS/GPS Receiver. Grid horizontal coordinates (angles and bearings) were converted (rotated) when data is properly collected and processed. (Elevation = ±3.0 feet.)

3) Unless otherwise noted, no underground utility locating agency, company and/or contractor other than this survey party preparing, therefore, there may be improvements or obstructions existing on the property not shown on this map — no CALL BEFORE YOU DIG.

4) Any exception or boundary maps provided by Quiet River Land Services, Inc. to our client, is a courtesy and is not to be reproduced, distributed, sold, altered, revised, added or otherwise modified without the express written consent of or OK'ed by Quiet River Land Services, Inc. Further, only the final stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, observations, record boundary lines, bearings and distances as shown hereon are based upon a field survey as noted above and upon items of public record and data compiled in a title report, as referenced. Furthermore, the Latitude and Longitude coordinates are reported in NAD 83 Datum and are accurate to within 0.5 mile horizontally, and the ground elevation, reported in NAVD 1988 Datum, is within ±1 foot vertically. The coordinate values and elevations are within the Horizontal Data Description as noted in the A.S.A.C. attached on Sheet SV 003, and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL.	ELEVATION	△	CONTROL POINT
FH	FIRE HYDRANT		
FND.	FOUND	○	FOUND MONUMENT
HT	HEIGHT		
MON	MONUMENT	⊕	GPS POINT
(M-M)	MONUMENT TO MONUMENT	123 / 123	PARAPET/ROOF ELEVATIONS
P.O.B.	POINT OF BEGINNING		
P.O.C.	POINT OF COMMENCEMENT	+ 123	SPOT ELEVATION
PP	POWER POLE	BM	TEMPORARY BENCHMARK
(TYP.)	TYPICAL		

DATE: APRIL 28, 2017
DRAWN BY: MAS
FILE NO.: EPIC1718

REVISIONS

DATE	DESCRIPTION	INITIAL
3/10/17	90% ISSUE	MAS
04/28/17	100% COMPLETE	MAS

at&t
AT&T MOBILITY
3001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 734-6766 Phone

EXISTING SITE CONDITIONS

CVL03059
GREEN VALLEY SPRINGS
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

C1
OF 1 SHEET

GENERAL CONSTRUCTION NOTES:

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.

-AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
-AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
-TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
-INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
-IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

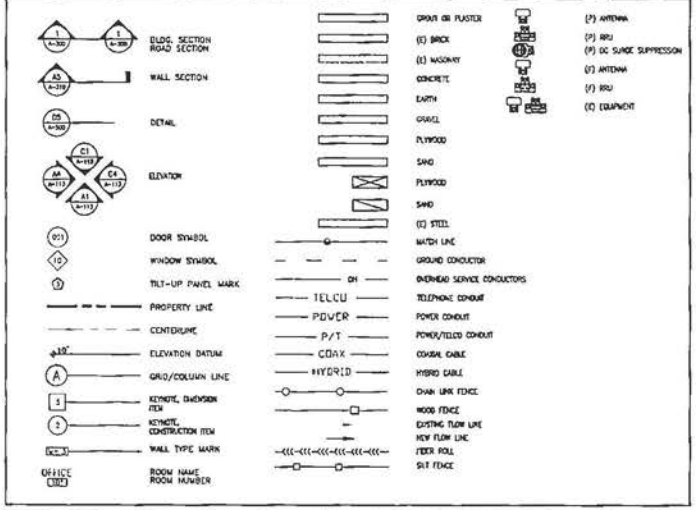
ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXST.(E)	EXISTING
EXT.	EXTERIOR
(F)	FUTURE
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWTH (CABINET)
GA.	GAUGE
GI.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN. (")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D/	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE (WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
⅊	PLATE, PROPERTY LINE

SYMBOLS LEGEND



Issued For:
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2600 Camino Ramon, 4W850N
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:
No. 84674

Engineer:
ADAPTIVE RE-USE ENGINEERING
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SHEET TITLE
GENERAL NOTES

SHEET NUMBER:
GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE

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

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

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

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

A. SOLID WASTE MANAGEMENT:
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY

C. CONCRETE WASTE:
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK IN THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.

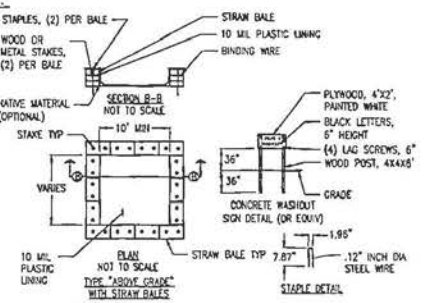
E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.

F. HAZARDOUS WASTE MANAGEMENT:
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP'S (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS. AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

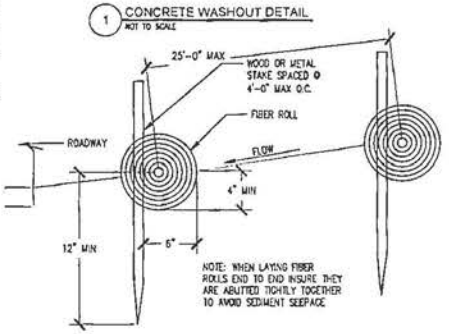
STORM WATER QUALITY NOTES:

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

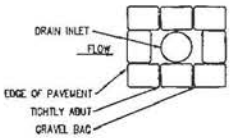


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

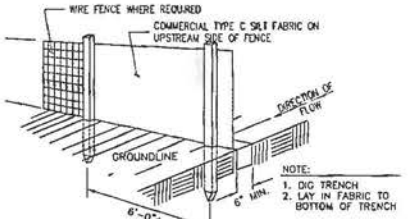
1 CONCRETE WASHOUT DETAIL
NOT TO SCALE



3 FIBER ROLL DETAIL
NOT TO SCALE



2 DRAIN INLET DETAIL
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

POSTS: STEEL EITHER T OR U TYPE OR 4" HARDWOOD. MINIMUM LENGTH – 5 FEET
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING. AS DIRECTED BY MARYLAND DCR
FILTER CLOTH: FILTER X, MIRAFI 100X' STABILINKA T140N OR APPROVED EQUAL.
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.

4 TYPE C SILT FENCE DETAIL
NOT TO SCALE

Issued for:
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2400 Camino Ramon, 4W830N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL00059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

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

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
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SACRAMENTO, CA 95821
craigmhorner4@cfac.com

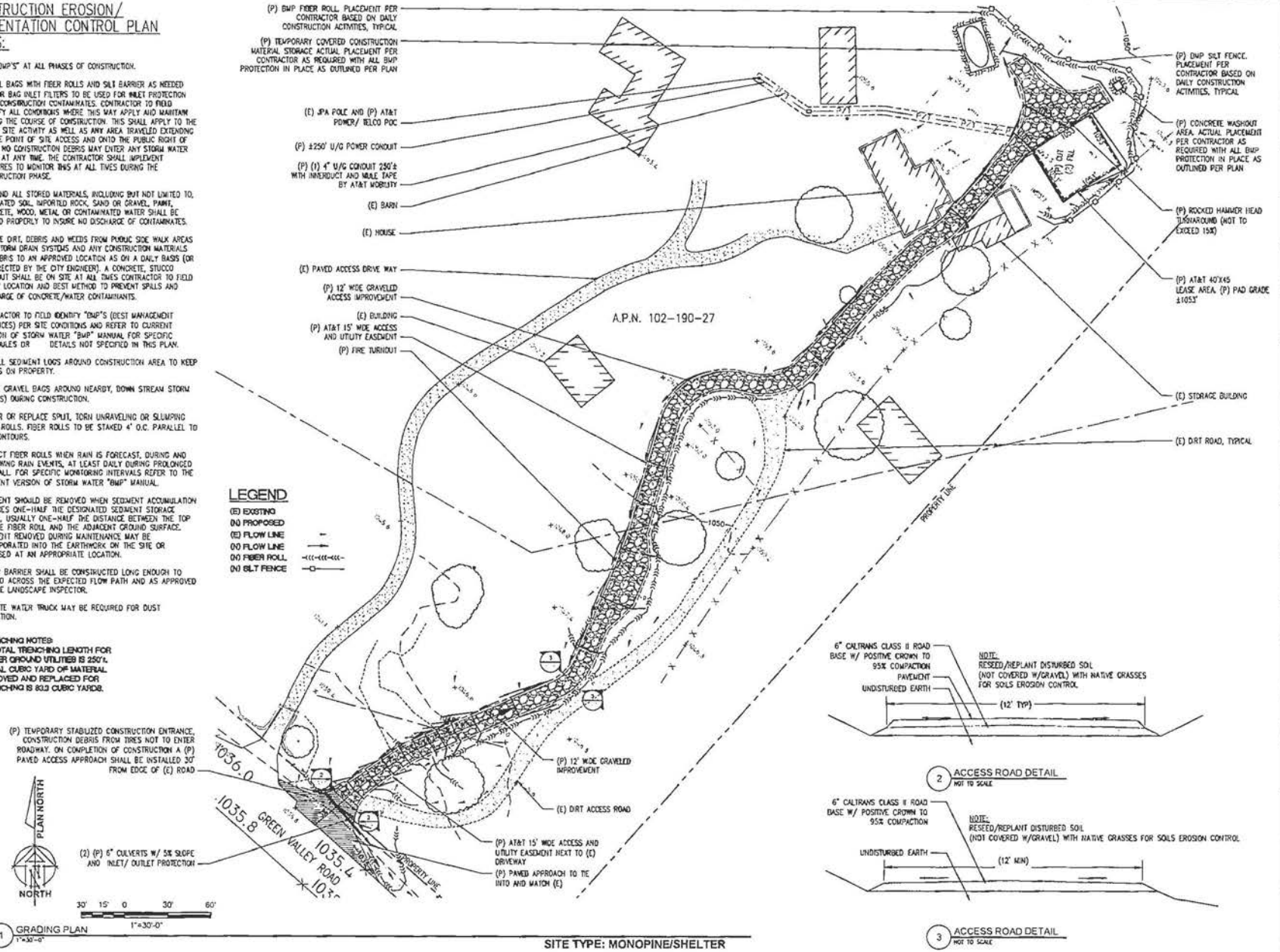
SHEET TITLE:
EROSION CONTROL NOTES

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

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 250'±. TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 83.3 CUBIC YARDS.



1 GRADING PLAN
1"=30'-0"

2 ACCESS ROAD DETAIL
NOT TO SCALE

3 ACCESS ROAD DETAIL
NOT TO SCALE

SITE TYPE: MONOPINE/SHELTER

ISSUED FOR
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2600 Camino Ramon, 4W650
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO.	CVL03059
PROJECT NO.	13787673
DRAWN BY:	CES
CHECKED BY:	CES

LICENSOR
REGISTERED PROFESSIONAL ENGINEER CRAIG W. HORNER No. 84674 CIVIL STATE OF CALIFORNIA

ENGINEER
ADAPTIVE RE-USE ENGINEERING
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craigmhorner@yahoo.com

SHEET TITLE
GRADING PLAN AND DETAILS

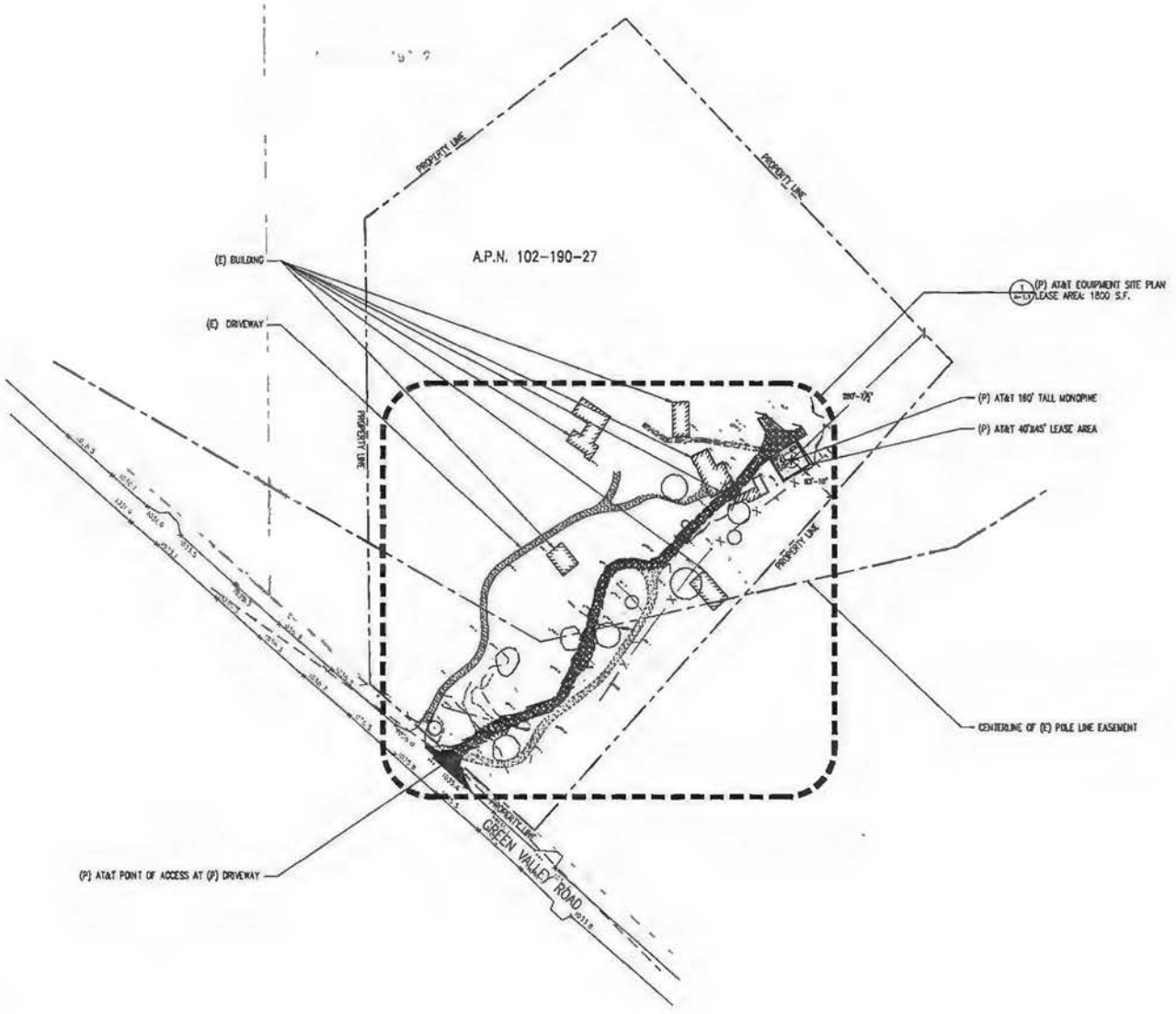
SHEET NUMBER
C-2.1

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET (AS) WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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



PLAN NORTH

NORTH

80' 40' 0 80' 160'

1"=80'-0"

1 OVERALL SITE PLAN
1"=80'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

GREEN SPRINGS VALLEY

1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR

at&t

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	04.21.17	ZD SUBMITTAL
1	05.12.17	ZD PERMIT

Licensor:

No. 84674

Engineer:

ADAPTIVE RE-USE ENGINEERING
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214-407-3184
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SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

A-1

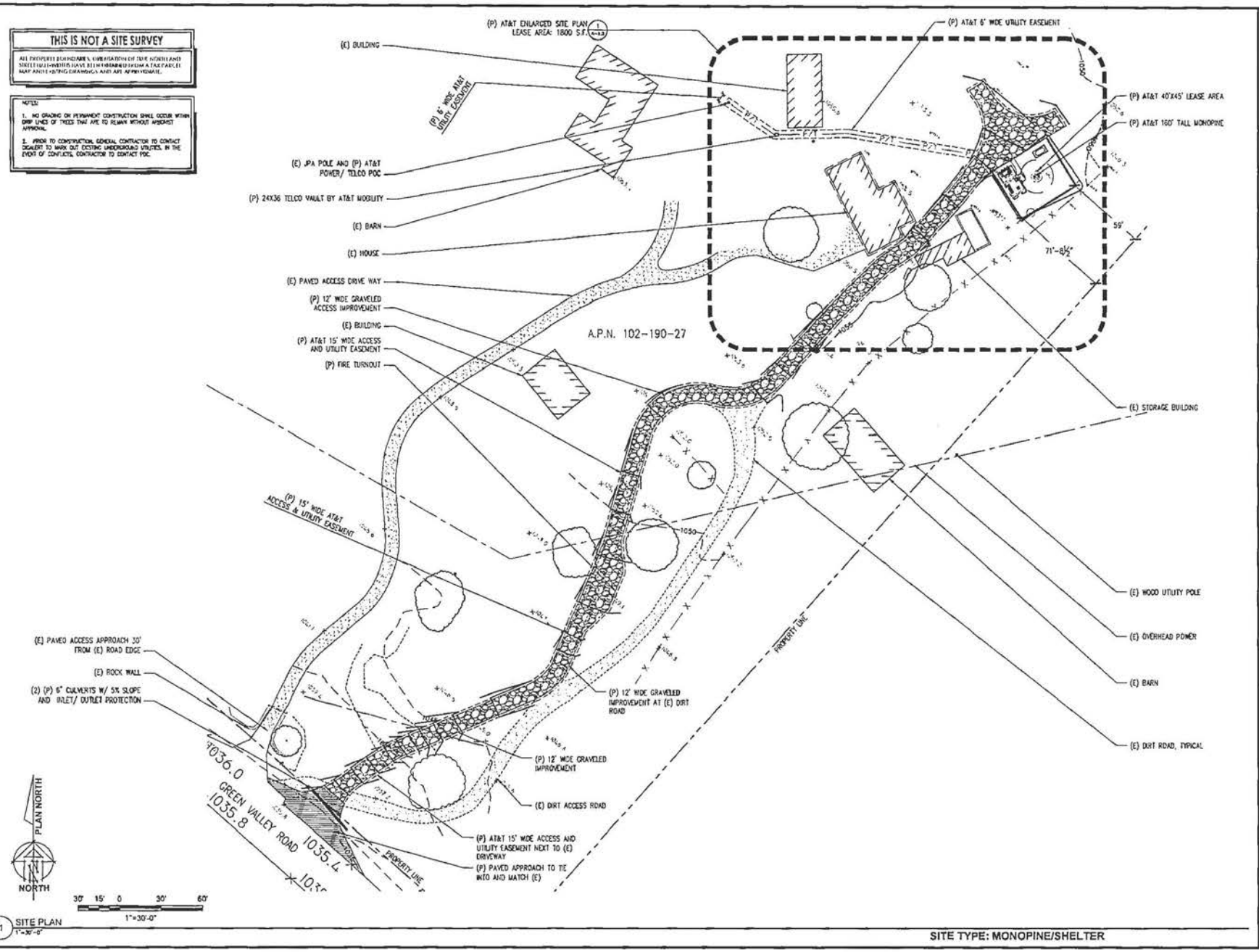
THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET RIGHT-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

1. NO GRADING OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN DRIP LINES OF TREES THAT ARE TO REMAIN WITHOUT ARBORIST APPROVAL.

2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT DIGALERT TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT POC.



1 SITE PLAN
1"=30'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

GREEN SPRINGS VALLEY

1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA
95762

PREPARED FOR

at&t

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

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:

No. 84674

Engineer:

ADAPTIVE RE-USE ENGINEERING
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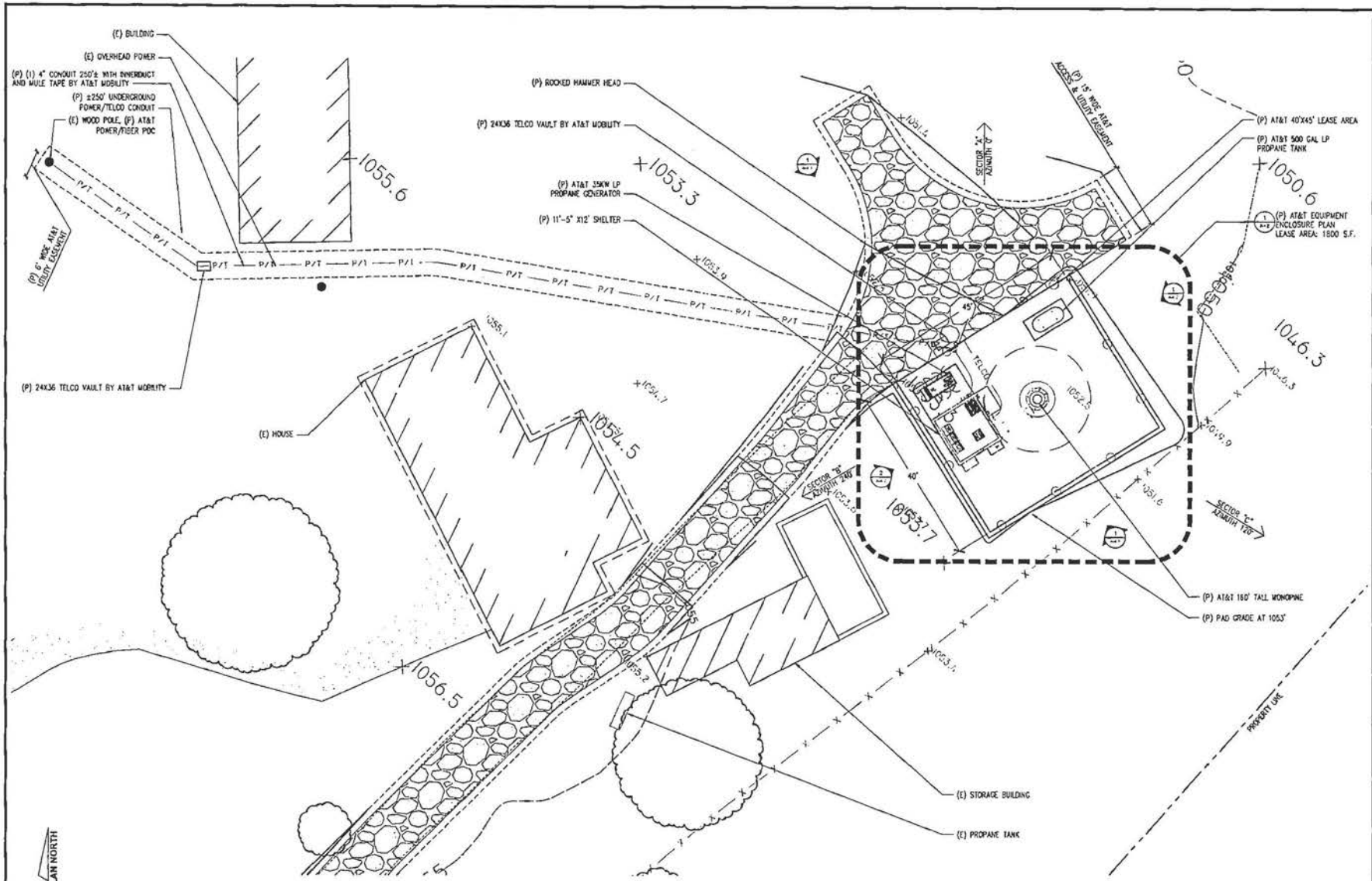
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1.1



1 ENLARGED SITE PLAN
1"=10'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:

GREEN SPRINGS VALLEY

1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR

at&t

2600 Camino Ramon, 4W650 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

#	DATE	DESCRIPTION
0	05.07.19	ISSUED FOR

Licensor:

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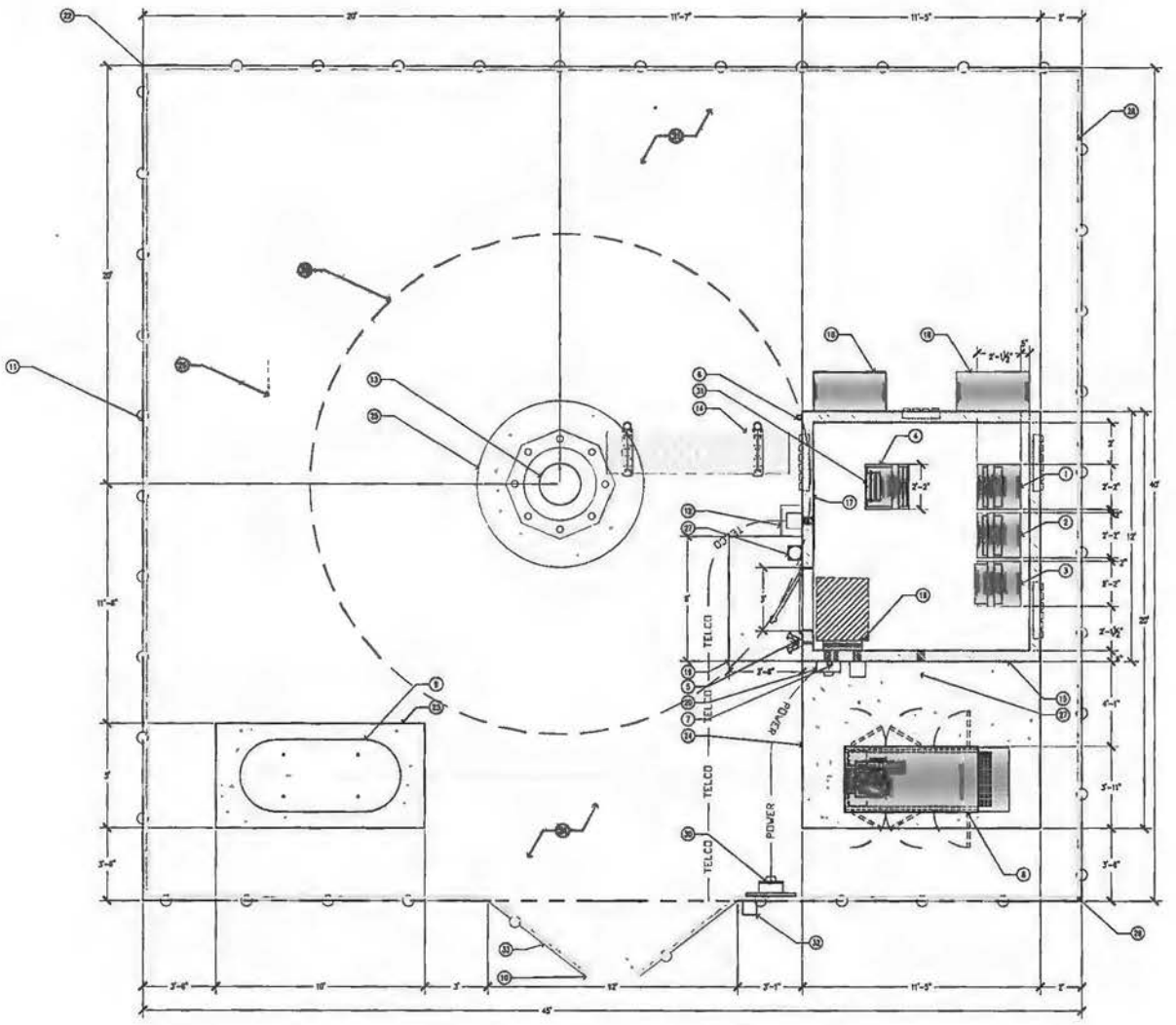
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-1.2

KEYNOTES



1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued for:

GREEN SPRINGS VALLEY

1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR

at&t

2600 Camino Ramon, 4W830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION

Licensor:

No. 84674

Engineer

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

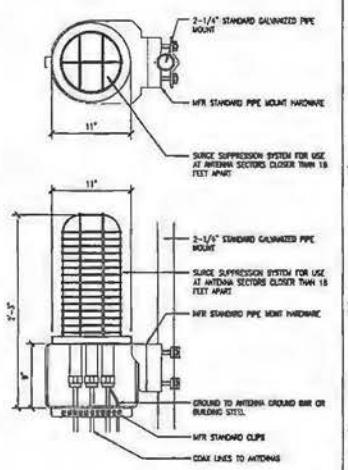
SHEET TITLE:

EQUIPMENT AREA PLAN

SHEET NUMBER:

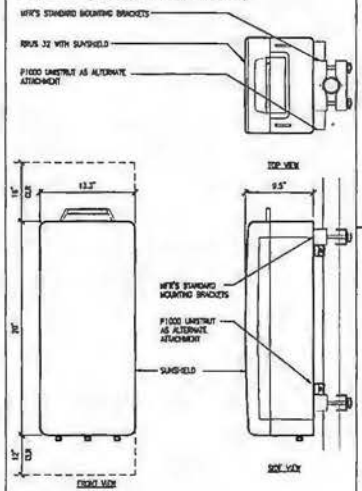
A-2

RAYCAP DC6-48-60-18-8F &
DC6-48-60-0-8F SURGE SUPPRESSION
SOLUTION
COLOR: BLACK/SILVER
DIMENSIONS: 11" DIA X 27" TALL W/ 9" BASE
WEIGHT: +/- 20 LBS. (INCLUDING MOUNTING HARDWARE)



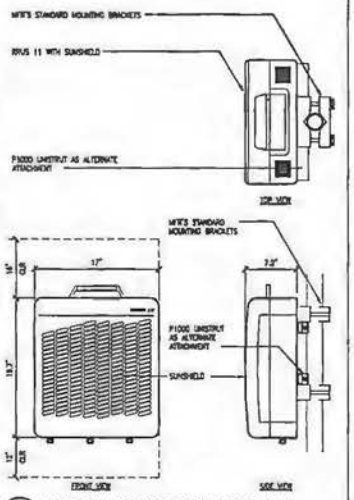
1 DC SURGE SUPPRESSION (SQUID)
1 1/2"=1'-0"

ERICSSON WCS RRU-32
MODEL: KRC161 433/1
COLOR: WHITE
DIMENSIONS: 25.8" TALL X 13.3" WIDE X 8.5" DEEP (INCLUDING SUNSHIELD)
WEIGHT: +/- 77LBS. (INCLUDING MOUNTING HARDWARE)

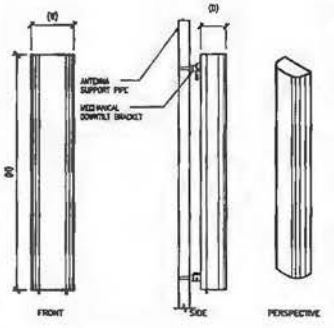


2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"

ERICSSON RRUS 11 REMOTE RADIO UNIT
COLOR: WHITE
DIMENSIONS: 19.7" TALL X 17" WIDE X 7.2" DEEP (INCLUDING SUNSHIELD)
WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



3 ERICSSON RRUS-11 REMOTE RADIO UNIT
1 1/2"=1'-0"



ANTENNA = QUINTEL QS6656-3
WIND AREA = 8 SQ.FT.
WEIGHT = 83 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)

ANTENNA = QUINTEL QS6658-3
WIND AREA = 8 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)

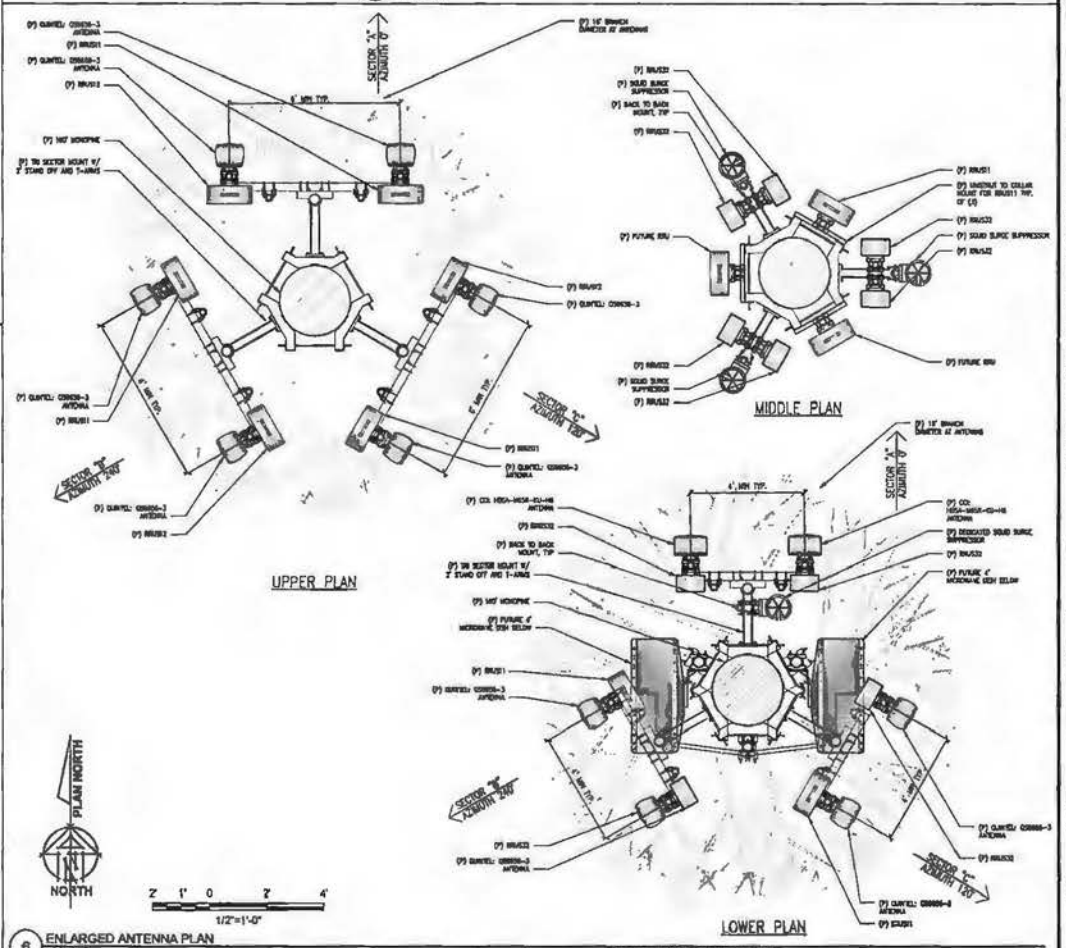
ANTENNA = CCI HBSA-M65R-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 44.5 LBS
DIMENSIONS = 68.1" (H) x 13.7" (W) x 8.5" (D)

ANTENNA = CCI HBSA-M65R-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 45.6 LBS
DIMENSIONS = 68.1" (H) x 13.7" (W) x 8.5" (D)

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

RF SCHEDULE									
SECTOR		ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	QS6656-3	0°	± 150'-0"	(1) RRUS11 (1) RRUS32	N/A	± 180'	± N/A	TRUNK 1
	A2	QS6658-3	0°	± 150'-0"	(1) RRUS (1) RRUS (1) RRUS	N/A	± 180'	± N/A	TRUNK 1
	A3	HBSA-M65R-KU-H6	0°	± 140'-0"	(1) RRUS32	N/A	± 170'	± N/A	TRUNK 4
	A4	HBSA-M65R-KU-H6	0°	± 140'-0"	(1) RRUS32	N/A	± 170'	± N/A	TRUNK 4
BETA	B1	QS6656-3	240°	± 150'-0"	(1) RRUS11 (1) RRUS32	N/A	± 180'	± N/A	TRUNK 2
	B2	QS6656-3	240°	± 150'-0"	(1) RRUS12 (1) RRUS32	N/A	± 180'	± N/A	TRUNK 2
	B3	QS6656-3	240°	± 140'-0"	(1) RRUS11	N/A	± 170'	± N/A	TRUNK 4
	B4	QS6656-3	240°	± 140'-0"	(1) RRUS32	N/A	± 170'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	120°	± 150'-0"	(1) RRUS11 (1) RRUS32	N/A	± 180'	± N/A	TRUNK 3
	C2	QS6656-3	120°	± 150'-0"	(1) RRUS12 (1) RRUS32	N/A	± 180'	± N/A	TRUNK 3
	C3	QS6656-3	120°	± 140'-0"	(1) RRUS11	N/A	± 170'	± N/A	TRUNK 4
	C4	QS6656-3	120°	± 140'-0"	(1) RRUS32	N/A	± 170'	± N/A	TRUNK 4
RF DATA SHEET v1.00.01 DATED 02/27/17					(19) (P) RRUS				
					(2) (E) RRUS TYPICAL				
					(21) RRUS TOTAL				

5 RF SCHEDULE
NOT TO SCALE



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

SITE TYPE: MONOPINE

Issued For:
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2600 Camino Ramon, 4W850 11
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:
No. 84674

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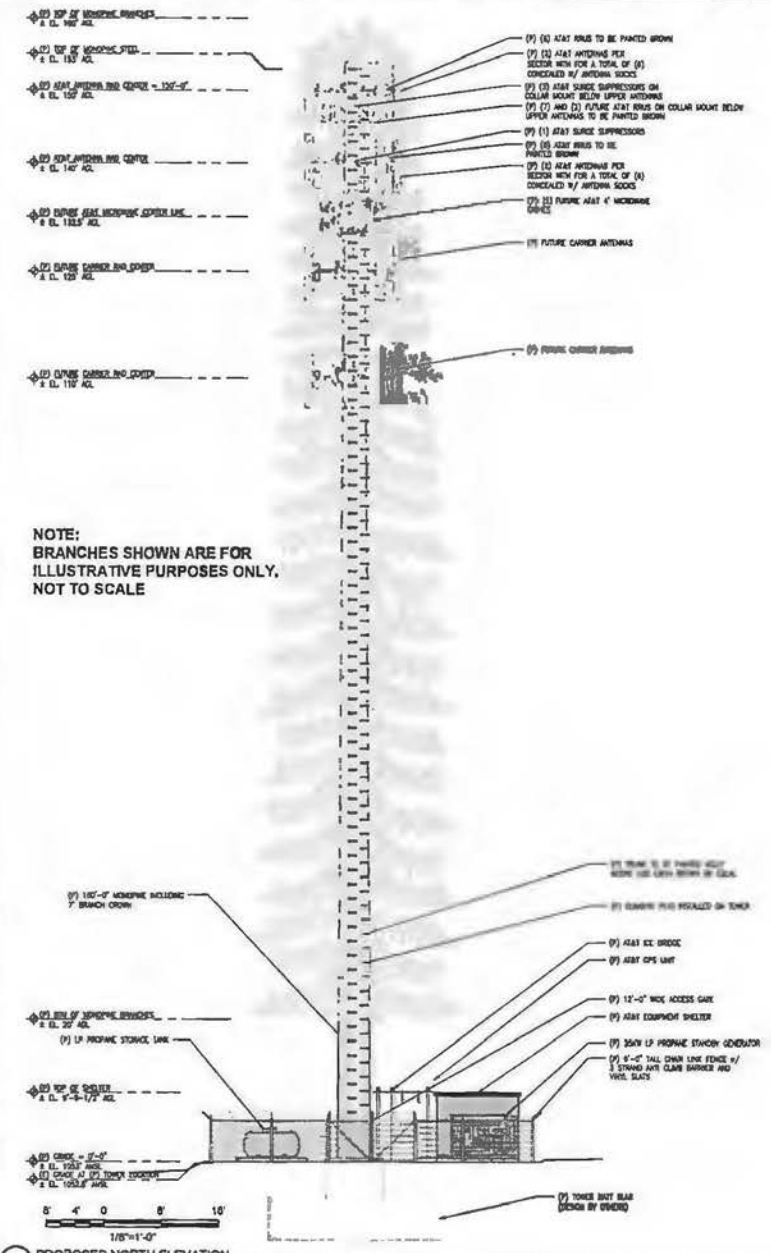
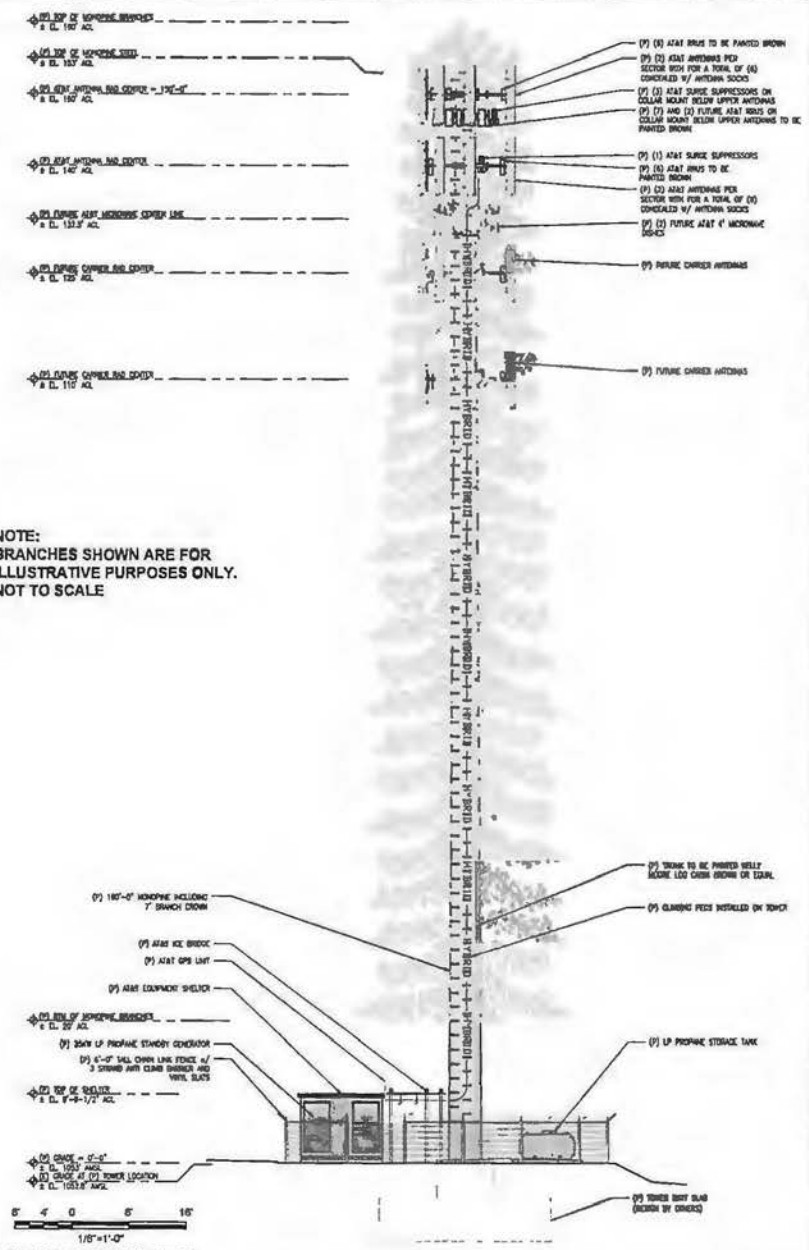
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhomer@yahoo.com

SHEET TITLE:
ANTENNA PLAN & DETAILS

SHEET NUMBER:
A-3



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



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

SITE TYPE: MONOPINE/SHELTER

Issued for:
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2600 Camino Ramon, 4W850U
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

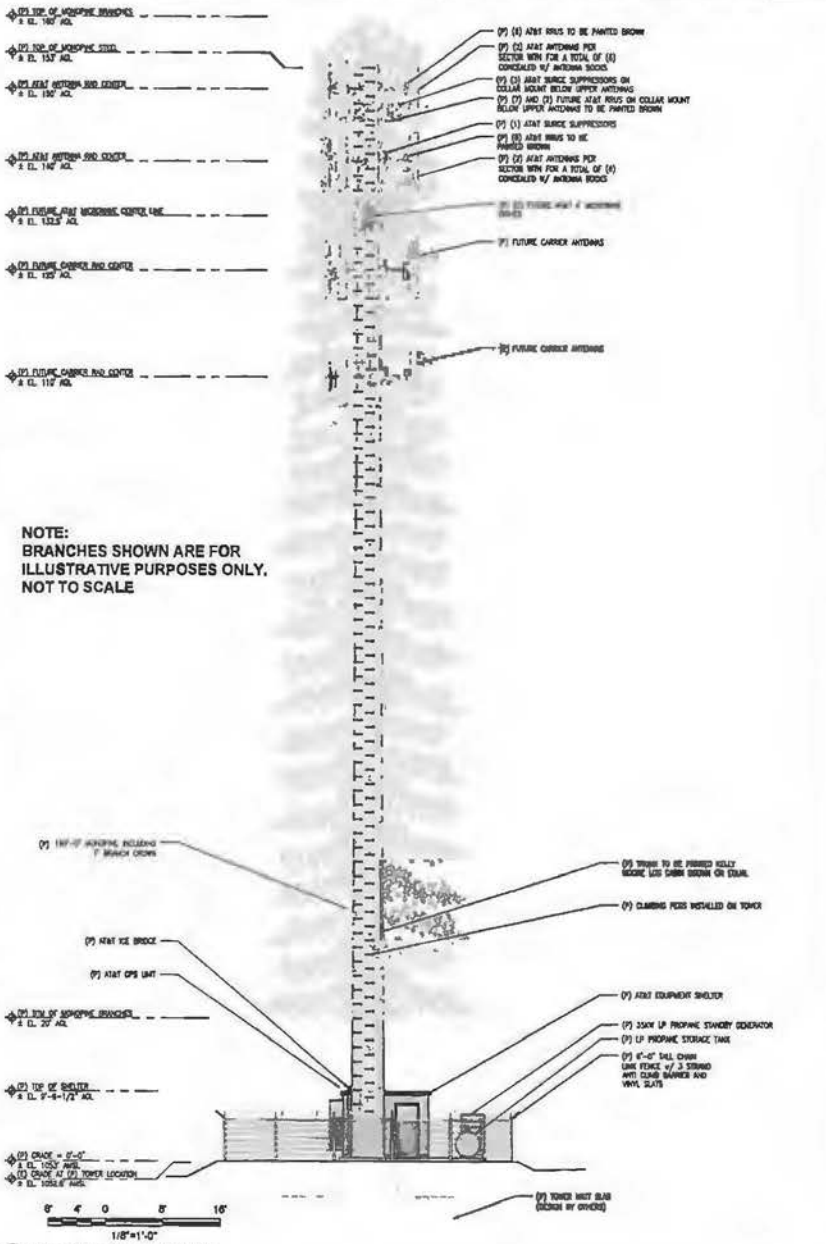
NO.	DATE	DESCRIPTION

License:
No. 84674

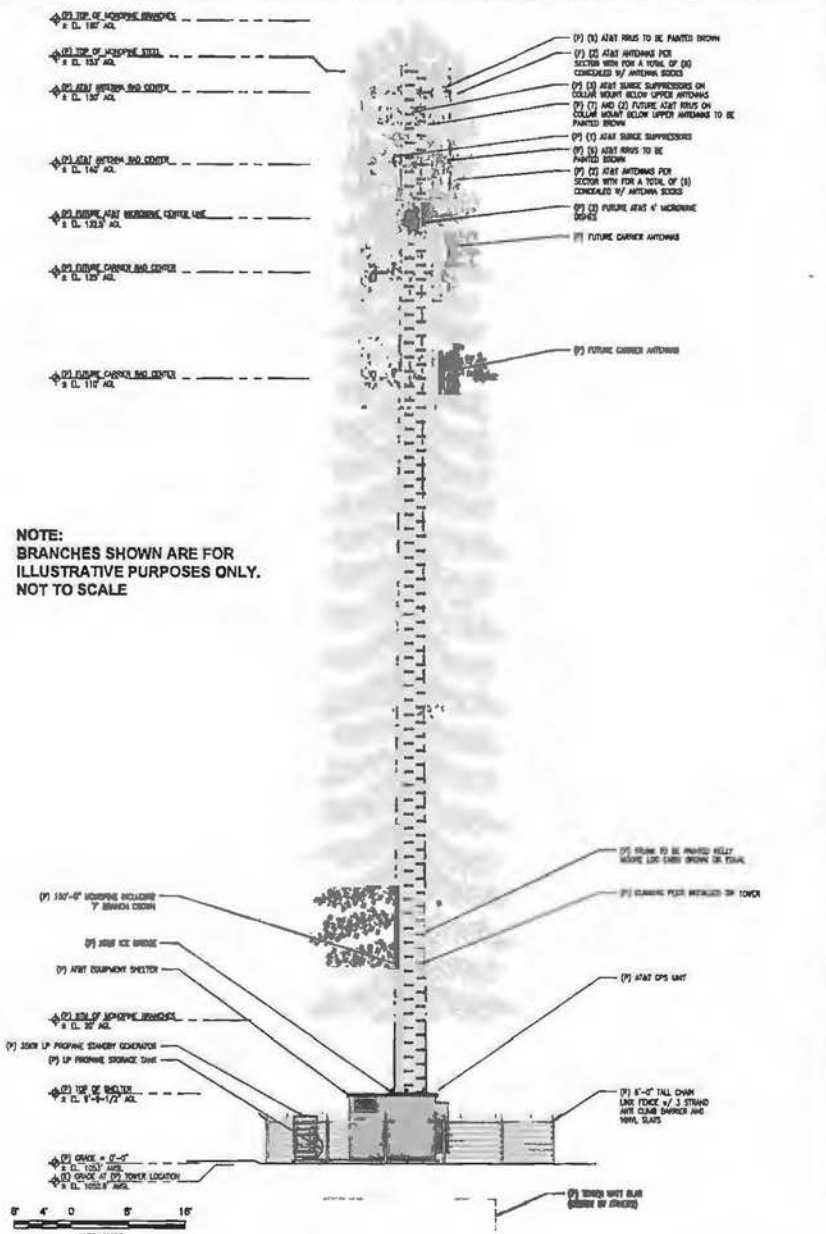
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Hamer, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhamer@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4.1



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



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

SITE TYPE: MONOPINE/SHELTER

Issued for:
GREEN SPRINGS VALLEY
1937 GREEN VALLEY ROAD
EL DORADO HILLS, CA 95762

PREPARED FOR
at&t
2600 Camino Ramon, 4WS501
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03059
PROJECT NO:	13787673
DRAWN BY:	CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION

Licensed:
No. 84674

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

SHEET TITLE:
PROPOSED MONOPINE
WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

Site 4-Exhibit G

Existing

Proposed

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

view from Green Valley Road looking norhtwest at site

AT&T Wireless

CVL03059 Green Springs Valley
1937 Green Valley Road, El Dorado Hills, CA
Photosims Produced on 5-12-2017

Existing

Proposed

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

view from Tyler Drive looking northwest at site

AT&T Wireless

CVL03059 Green Springs Valley
1937 Green Valley Road, El Dorado Hills, CA
Photosims Produced on 5-12-2017

Existing

Proposed

view from Lexi Way looking southeast at site

AT&T Wireless

CVL03059 Green Springs Valley
1937 Green Valley Road, El Dorado Hills, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

Proposed

view from Hickock Road looking southeast at site

AT&T Wireless

CVL03059 Green Springs Valley
1937 Green Valley Road, El Dorado Hills, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

AT&T Wireless

CVL03059 Green Springs Valley
1937 Green Valley Road, El Dorado Hills, CA
Photosims Produced on 5-12-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Site 4-Exhibit I

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Green Springs Valley**	**Site Structure Type:**	**Monopine**
Address:	**1937 Green Valley Road**	**Latitude:**	**38.710589**
	El Dorado Hills, California	**Longitude:**	**-121.037727**
Report Date:	**May 10, 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 Green Springs Valley site located at 1937 Green Valley Road, El Dorado Hills, California. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

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

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

f=Frequency (MHz)

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

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 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 0, 120 and 240 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 26,039 Watts. Other appurtenances such as GPS antennas, RRUs and hybrid cable are not sources of RF emissions. From this site, AT&T 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 0.6925% of the FCC General Population limits (0.1385% 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 0.2510% of the FCC General Population limits (0.0502% 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 0.0017% of the FCC Occupational limits (0.0085% of the FCC General Population 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

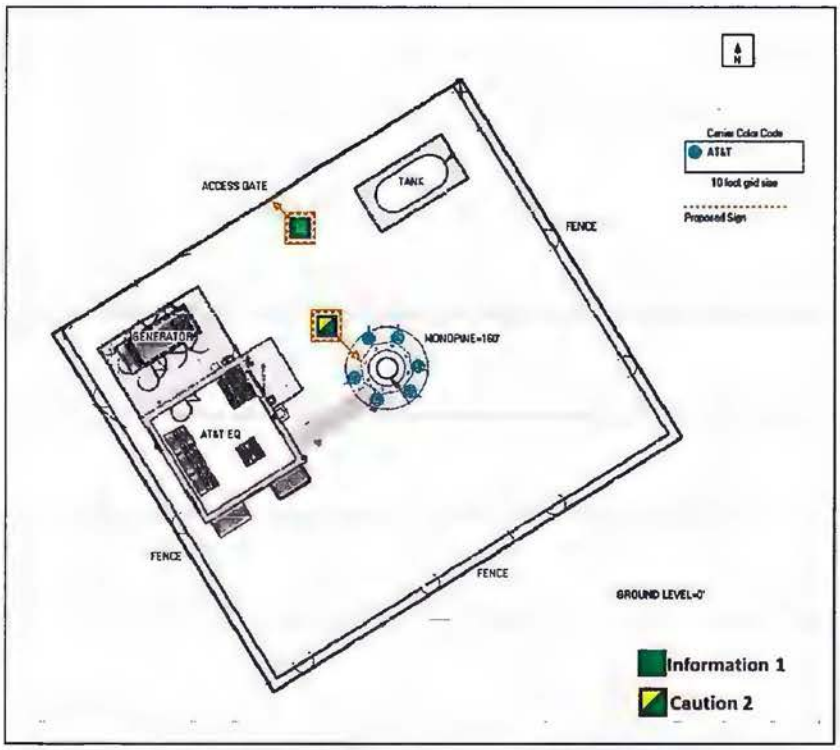


Figure 2: Mitigation Recommendations

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 1937 Green Valley Road, El Dorado Hills, 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.

SITE NUMBER: CVL03018

SITE NAME: FAIR PLAY

~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684
JURISDICTION: EL DORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ROAD IMPROVEMENT FROM ROW
3. 40'X40' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED WALK IN EQUIPMENT CABINET AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 182.5'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (18) PROPOSED AND (2) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (1) PROPOSED AND (1) FUTURE 6' MICROWAVE DISH
11. ADD 8'-0" HIGH CHAIN LINK FENCE W/ VINYL SLATS
12. ADD 35KW LP PROPANE GENERATOR
13. ADD 200 GAL LP PROPANE STORAGE TANK

CODE COMPLIANCE

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

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

DISABLED ACCESS REQUIREMENTS

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

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY : U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: FAIR PLAY
SITE NUMBER: CVL03018

SEARCH RING: FAIR PLAY
FA# 13787663
SITE ADDRESS: ~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
SOMERSET, CA 95684

A.P.N. NUMBER: 094-060-35-100

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESIDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: EL DORADO COUNTY

LATITUDE: N 38° 36' 12.67"

LONGITUDE: W 120° 38' 33.11"

GROUND ELEVATION: ±2301.3 FT. AMSL

PROPERTY OWNER:
AGATHA RENTALS LLC
5987 BURCHELL COURT
SAN JOSE, CA 95120

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

RFDS DATED 12-29-2016, ISSUE 1.0
REVISION 1.00.01

VICINITY MAP

SPECIAL INSPECTIONS

PROJECT TEAM

APPLICANT / LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 945834
RF ENGINEER:
AT&T CONTACT: JAMES TEMPLE
PHONE: (916)-486-3008
EMAIL: JT7599@ATT.COM
MW ENGINEER:
AT&T CONTACT: LANCE J LEMOINE
PHONE: (512)-438-6340
EMAIL: IH480@ATT.COM
PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1448
SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 755-1326
CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANNS
EMAIL: PETE.MANNS@EPICWIRELESS.NET
PH: (530) 563-3057

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 933-2763
ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGMHORNER@YAHOO.COM
PH: (214) 407-3184
CIVIL VENDOR:
VINCULUMS CM
CONTACT: KEN ABEL
EMAIL: KABEL@VINCULUMS.COM
PH: (916) 844-4602

DIRECTIONS FROM AT&T

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

2600 CAMINO RAMON
SAN RAMON, CA 94583

1. GET ON I-680 N FROM CAMINO RAMON AND BOLLINGER CANYON RD 4 MIN (1.2 MI)
2. HEAD EAST 159 FT
3. TURN RIGHT TOWARD CAMINO RAMON 0.2 MI
4. TURN RIGHT ONTO CAMINO RAMON 0.2 MI
5. CONTINUE STRAIGHT TO STAY ON CAMINO RAMON 0.1 MI
6. TURN RIGHT ONTO BOLLINGER CANYON RD 0.4 MI
7. USE THE RIGHT 2 LANES TO MERGE ONTO I-680 N VIA THE RAMP TO SACRAMENTO 0.3 MI
8. FOLLOW I-680 N, I-80 E AND US-50 E TO MISSOURI FLAT RD IN EL DORADO COUNTY. TAKE EXIT 44A FROM US-50 E 1 HR 47 MIN (121 MI)
9. MERGE ONTO I-680 N 10.8 MI
10. KEEP LEFT TO STAY ON I-680 N 5.0 MI
11. KEEP LEFT AT THE FORK TO STAY ON I-680 N 3.9 MI
12. KEEP LEFT AT THE FORK TO CONTINUE ON I-680 14.6 MI
13. USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO 0.4 MI
14. MERGE ONTO I-80 E 28.0 MI
15. KEEP LEFT AT THE FORK TO STAY ON I-80 E 12.1 MI
16. KEEP LEFT AT THE FORK TO CONTINUE ON I-80BL, CA-50 E/CAPITOL CITY FREEWAY, FOLLOW SIGNS FOR INTERSTATE 80 BUSINESS/SACRAMENTO/SOUTH LAKE TAHOE 5.8 MI
17. CONTINUE ONTO US-50 E 36.2 MI
18. TAKE EXIT 44A FOR MISSOURI FLAT RD 0.3 MI
19. TAKE PLEASANT VALLEY RD, BLOCKS END RD AND MT AUBURN RD TO PERRY CREEK RD 32 MIN (17.7 MI)
20. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO MISSOURI FLAT RD 1.7 MI
21. TURN LEFT ONTO PLEASANT VALLEY RD 0.6 MI
22. CONTINUE STRAIGHT TO STAY ON PLEASANT VALLEY RD 4.7 MI
23. TURN RIGHT ONTO BLOCKS END RD 4.8 MI
24. TURN RIGHT ONTO MT AUBURN RD 2.9 MI
25. TURN LEFT ONTO FAIRPLAY RD 0.2 MI
26. TURN LEFT ONTO PERRY CREEK RD 3.0 MI

7660 PERRY CREEK RD
SOMERSET, CA 95684

APPROVALS

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

SHEET INDEX

REV		
	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 & ENLARGED SITE PLAN – EXTERIOR EQUIPMENT SHELTER
	A-2	EQUIPMENT AREA PLAN – EXTERIOR EQUIPMENT SHELTER
	A-3	ANTENNA PLAN & DETAILS – MONOPINE
	A-4.1	PROPOSED MONOPINE NORTH – SOUTH ELEVATION
	A-4.2	PROPOSED MONOPINE WEST – EAST ELEVATION

AFFIRMED
EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

Site 5-Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

DIGALERT
800-227-2600

Issued For:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, 4W630 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

REV.	DATE	DESCRIPTION
0	05.17.17	ZD PKG
A	06.19.17	ZD PKG
1	06.26.17	ZD PKG PER COMMENTS
2	07.26.17	ZD PKG PER REVIEW
3	08.04.17	ZD PKG PER REVIEW

Licensor:
No. 84674

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

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

GENERAL CONSTRUCTION NOTES:

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY BRASS AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1992) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADDT.	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPROX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
℄	POINT (VAULT)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENGR.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXST.(E)	EXISTING
EXT.	EXTERIOR
(F)	FUTURE
FABR.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWTH (CARRIOT)
GA.	GAUGE
GL.	GALVANIZED(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLUL (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER

HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN. (")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LENGTH(UDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD(#)	RADIUS
REF.	REFERENCE
REINF.	REINFORCED/CING)
REQ'D/	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
#	WIDE (WIDTH)
w/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
℗	PLATE, PROPERTY LINE

SYMBOLS LEGEND

- BLDG. SECTION / ROAD SECTION
- WALL SECTION
- DETAIL
- ELEVATION
- DOOR SYMBOL
- WINDOW SYMBOL
- TILT-UP PANEL MARK
- PROPERTY LINE
- CENTERLINE
- ELEVATION DATUM
- GRID/COLUMN LINE
- KEYNOTE, DIVISION ITEM
- KEYNOTE, CONSTRUCTION ITEM
- WALL TYPE MARK
- ROOM NAME / ROOM NUMBER

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

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

Prepared for:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, 4WE3049
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE I.D.	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

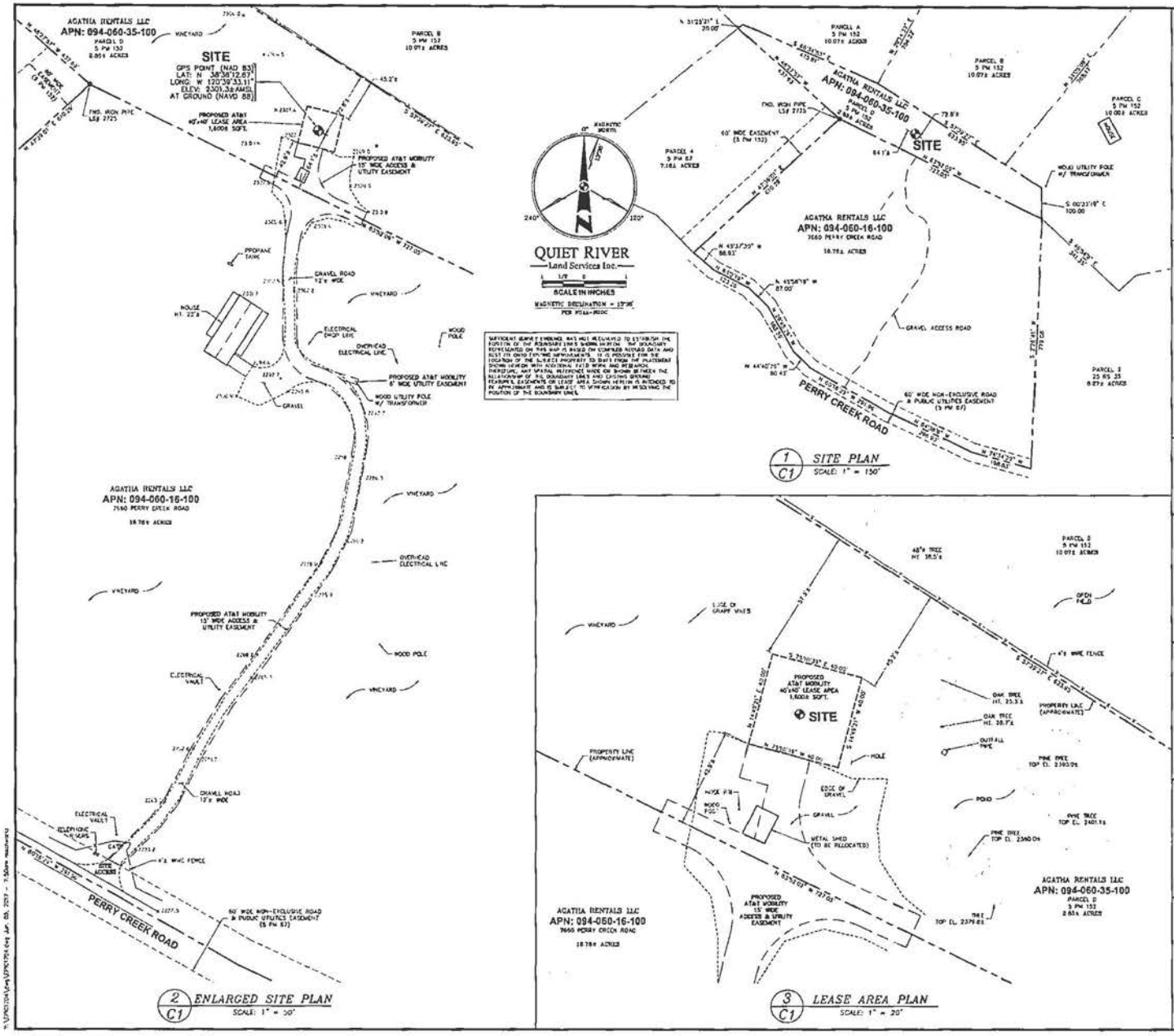
		100% CONSTRUCTION
		90% CONSTRUCTION
		90% CONSTRUCTION

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

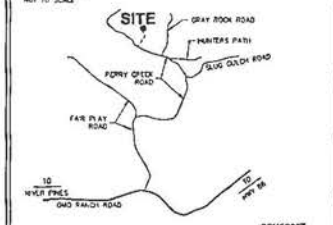
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhornerpe@yahoo.com

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
GN-1



VICINITY MAP
NOT TO SCALE



PROPERTY INFORMATION

Owner: AGATHA RENTALS LLC
Address: 5067 MITCHELL COURT
SAN JOSE, CA 95130
Site: FAIR PLAY / DS0035B
Address: 665' NORTH OF PROPERTY ACCESS OF PERRY CREEK ROAD
SOMERSET, CA 95684
Assessor's Parcel Number: 094-060-35-100
Height of Building/Tower: N/A

Title Report:
TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY REPORT NO 5026800-5340927, DATED AS OF DECEMBER 2, 2016

Legal Description
PROPERTY SITUATED IN THE CITY OF SOMERSET, COUNTY OF EL DORADO, STATE OF CALIFORNIA

FEMA FLOOD ZONE DESIGNATION National Flood Insurance Program
County: EL DORADO Effective Date: SEPTEMBER 26, 2008
Community-Panel Number: 060170-1025-E
The Flood Zone Designation for this site as plotted by scale is:

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

SURVEY DATA
NAD 83 (N'a'm'
Lat: N 38°38'12.67" Long: W 120°39'33.11"
Datum Base: NAD 83 Equipment Used: Topcon Hiper Ga Receiver
Date Mark 21
Site Ground Elevation: 2301.3± AMSL (NAVD 88) AT GPS SITE LOCATION
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS)
(SEE NOTE 2)
Basis of Bearings
CALIFORNIA COORDINATES ZONE II (NAD83) WITH MONUMENTS FOUND AS SHOWN UPON PARCEL MAP FILED IN BOOK 5 AT PAGE 152 IN THE RECORDS OF EL DORADO COUNTY, AS SHOWN
Date of Field Survey: JANUARY 17, 2017

NOTES

1) This is not a boundary survey. This is a specialized topographic map with property lines and easements being a graphic depiction of various information gathered from preliminary title reports, road-use documents of record, and other available instruments found during the field survey. No property monuments were set. No title research was performed by Quiet River Land Services, Inc.

2) The latitude, longitude and elevation shown hereon were derived from post-processed L1/L2 data collected using Real-time Global Positioning System (GPS) and a Topcon Hiper Pro/Lite Topcon specification's report (accuracy over saturated) (horizontal) when data is properly collected and processed. (Elevation = ±3.0 feet)

3) Unless otherwise noted, no underground utility locating service company was contacted prior to this map being prepared. Therefore, there may be furnishings or features utilities existing on the property not shown on this map – NO CALL BEFORE YOU DIG

4) Any electronic data made available by Quiet River Land Services, Inc. to our client, or its counsel, and is not to be reproduced, distributed, sold, altered, revised, added or amended without the express written consent of an officer of Quiet River Land Services, Inc. Further, only the final stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, observations, notes, field boundary lines, bearings and distances as shown hereon are based upon a field survey as noted and/or from certain of public record and data contained in a title records or references. Furthermore, the Latitude and Longitude coordinates are reported in NAD 83 Datum and are accurate to within ±15 feet horizontally, and the ground elevation, reported in NAVD 1988 Datum, is within ±3 feet vertically. The coordinate values and elevations are shown the U.S. Boundary Data designation as listed in the A.S.F.C. information Sheet 91-203 and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL	ELEVATION	▲	CONTROL POINT
FH	FIRE HYDRANT		FOUND MONUMENT
FND	FOUND	○	SPOT POINT
HT	HEIGHT		PARAPET/HOOK ELEVATIONS
MON	MONUMENT	x 12.3	SPOT ELEVATION
(M=M)	MONUMENT TO MONUMENT	TBM	TEMPORARY BENCHMARK
P.O.B.	POINT OF BEGINNING		
P.O.C.	POINT OF COMMENCEMENT		
PP	POWER POLE		
(TYP.)	TYPICAL		

DATE:	JUNE 5, 2017
DRAWN BY:	RO
FILE NO.:	EPIC1704

REVISIONS

DATE	DESCRIPTION	INITIAL
01/19/17	BOR ISSUE	RO
03/16/17	100% ISSUE	RO
05/03/17	CLIENT REVIEWS	RO
05/25/17	LEASE & EASEMENT RE-DESIGN	RO

at&t
AT&T MOBILITY
3001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 924-9758 Phone

EXISTING SITE CONDITIONS

CVL03018
FAIR PLAY
665' NORTH OF PROPERTY ACCESS OF PERRY CREEK ROAD
SOMERSET, CA 95684

C1
OF 1 SHEET

BEST MANAGEMENT PRACTICES "BMP" TABLE

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

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

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

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

A. SOLID WASTE MANAGEMENT:
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY

C. CONCRETE WASTE:
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.

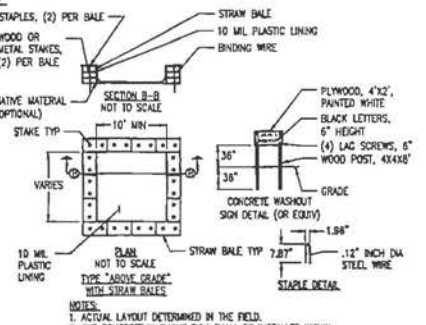
E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.

F. HAZARDOUS WASTE MANAGEMENT:
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ANY AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP'S (BEST MANAGEMENT PRACTICES) PER SITE CONDITIONS. AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

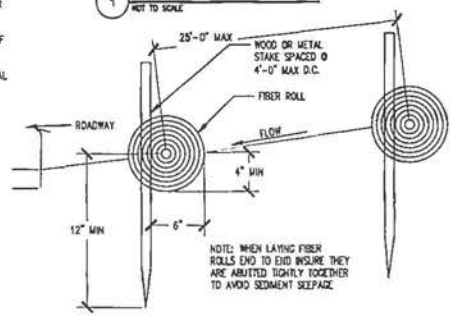
STORM WATER QUALITY NOTES:

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



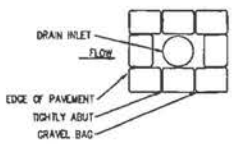
NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

1 CONCRETE WASHOUT DETAIL
NOT TO SCALE

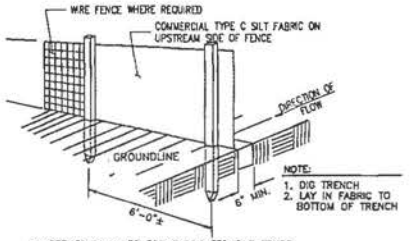


NOTE: WHEN LAYING FIBER ROLLS END TO END INSURE THEY ARE ABUTTED TIGHTLY TOGEMHER TO AVOID SEDIMENT SEEPAGE

3 FIBER ROLL DETAIL
NOT TO SCALE



2 DRAIN INLET DETAIL
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

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

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

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

PREFABRICATED UNIT: GEOFAB, ENMIROFENCE OR APPROVED EQUAL.

4 TYPE C SILT FENCE DETAIL
NOT TO SCALE

ISSUED FOR:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, 4W550N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

License:
No. 84674
CRAIG HORNER
EXPIRES 12/31/2013
CIVIL
STATE OF CALIFORNIA

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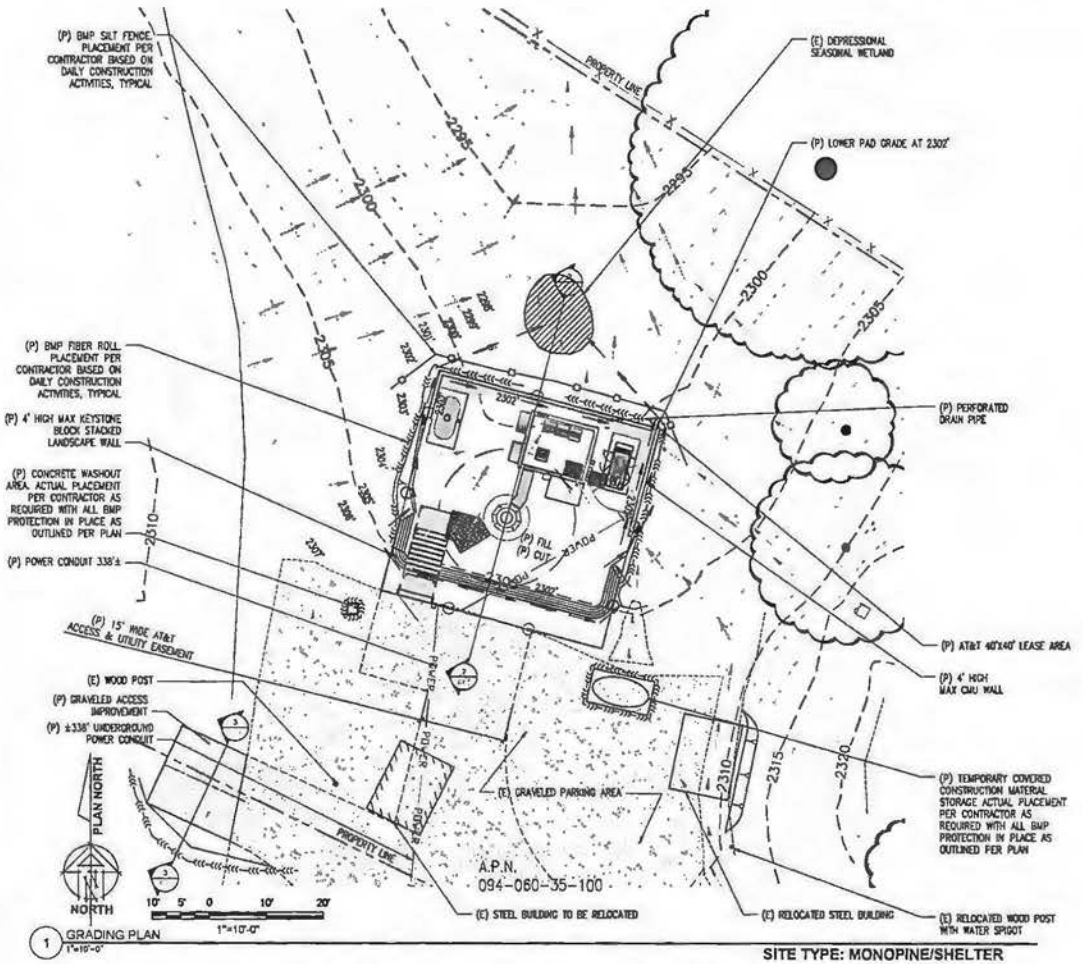
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

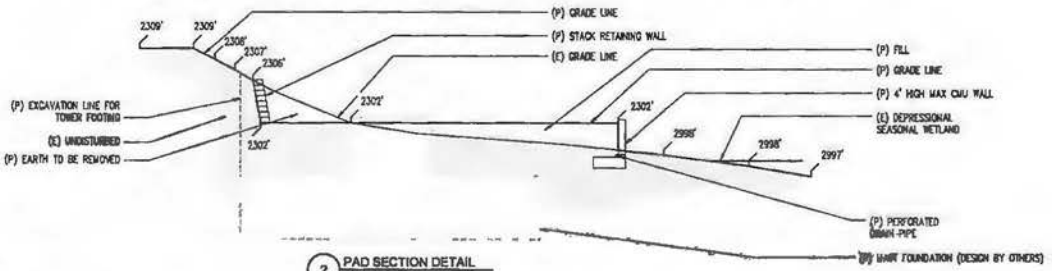
SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-2



1 GRADING PLAN
1"=10'-0"

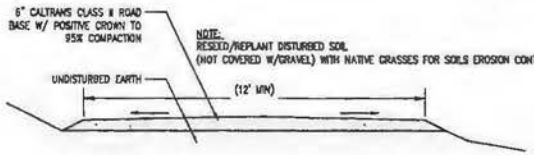
SITE TYPE: MONOPINE/SHELTER



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

CONSTRUCTION EROSION/ SEDIMENTATION CONTROL PLAN NOTES:

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



3 ACCESS ROAD DETAIL
NOT TO SCALE

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 338'±
TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 112.67 CUBIC YARDS.

LEGEND

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

Issued for:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]

License:
No. 84674
CRAIG M. HOMER
FIRST NAME
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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

SHEET TITLE:
GRADING PLAN AND DETAILS

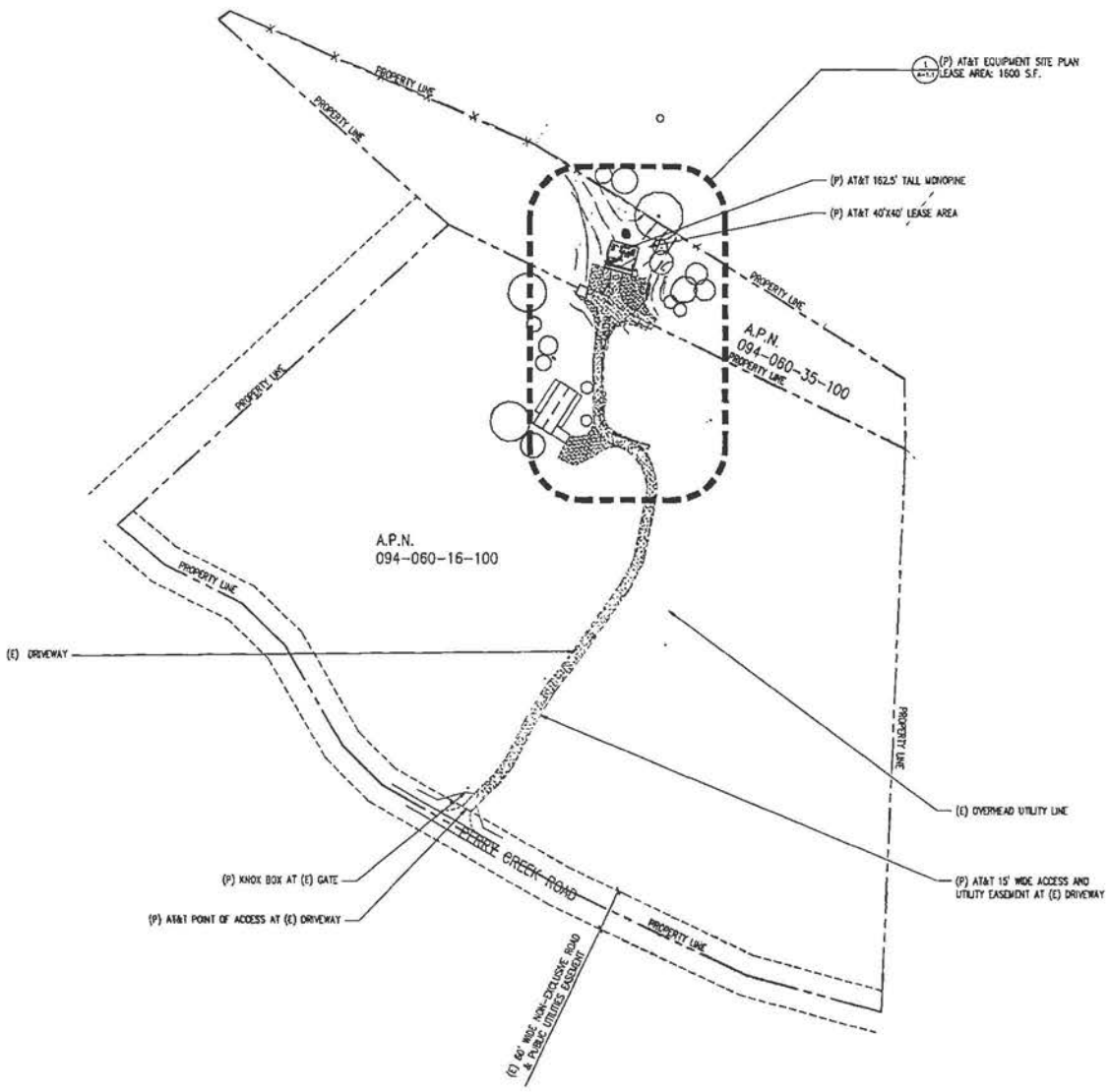
SHEET NUMBER:
C-2.1

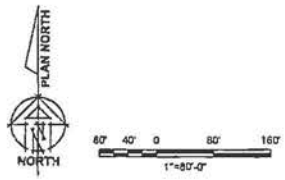
THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF SITE, NORTH AND STREET/EASEMENT WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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





1 OVERALL SITE PLAN
1"=80'-0"

SITE TYPE: MONOPINE/SHELTER

Issued For:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2400 Camino Ramon, #W350 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

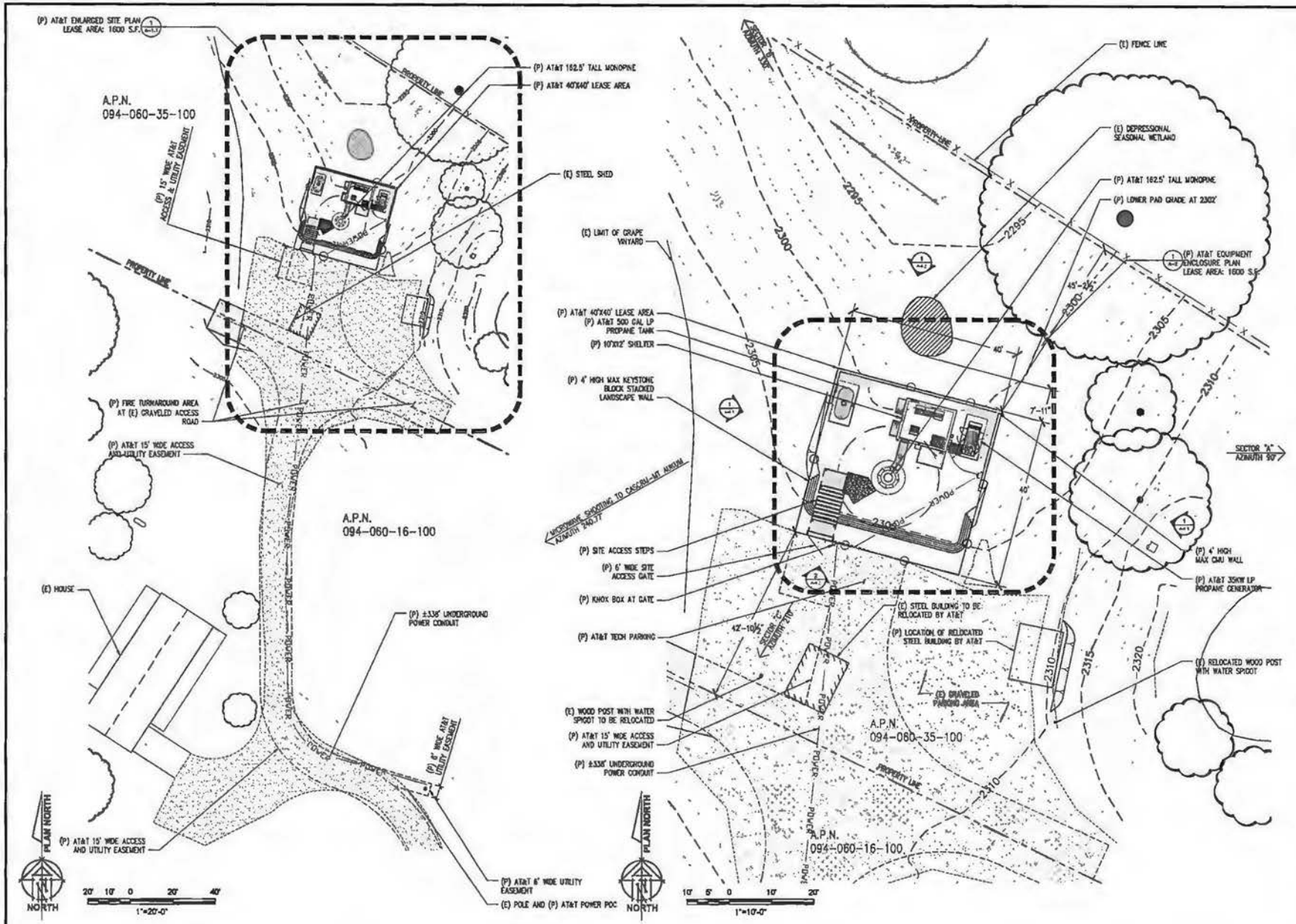
0	09/17/19	100%
1	09/19/19	100%
2	09/25/19	REVISION
3	10/07/19	REVISION
4	09/30/19	REVISION

Licensor:
No. 84674

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

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1



Issued For:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, 4W830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

4	09.12.17	[illegible]
3	09.11.17	30-100%
2	09.05.17	60-100% REVISIONS
1	08.25.17	60-100% REVISIONS
0	08.04.17	60-100% SITE WALK-IN
REV	DATE	DESCRIPTION

Licensor:
CRAIG M. HORNER
No. 84674
CIVIL
STATE OF CALIFORNIA
[illegible]

Engineer:
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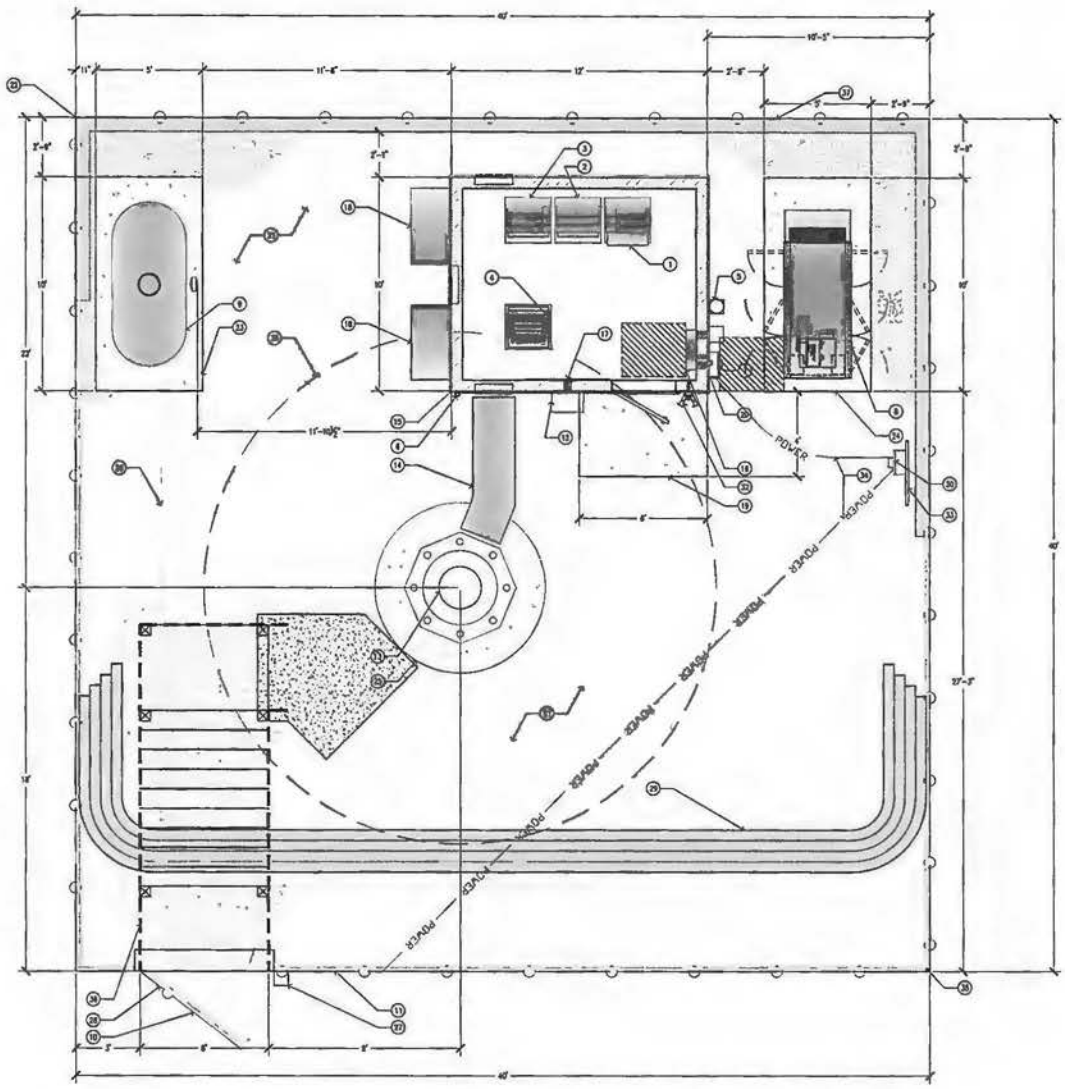
craigmhorner@yahoo.com

SHEET TITLE:
SITE PLAN & ENLARGED SITE PLAN

SHEET NUMBER:
A-1.1

KEYNOTES



PLAN NORTH

NORTH

4' 2' 0 4' 8'

3/8"=1'-0"

1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

Issued for:
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2600 Camino Ramon, #RES01H
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

1		ZD 100% CPE RFDS/SDA
		ZD 100% CPE RFDS/SDA
	DATE	DESCRIPTION

Licensor:

No. 84674

Engineer:
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3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
EQUIPMENT AREA PLAN

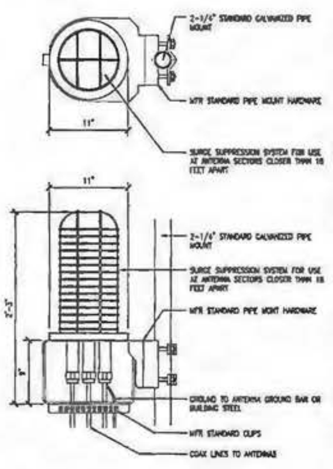
SHEET NUMBER:
A-2

RAYCAP DC6-48-60-18-8F & DC6-48-60-0-8F SURGE SUPPRESSION SOLUTION

COLOR: BLACK/SILVER

DIMENSIONS: 11" DIA X 27" TALL W/ 8" BASE

WEIGHT: +/- 80 LBS. (INCLUDING MOUNTING HARDWARE)



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

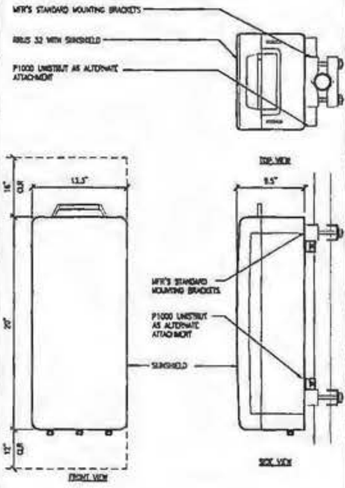
ERICSSON WCS RRU-32

MODEL: KRC161 483/1

COLOR: WHITE

DIMENSIONS: 29.9" TALL X 13.3" WIDE X 9.5" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 77LBS. (INCLUDING MOUNTING HARDWARE)



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

SECTOR		ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	QS6656-3	90°	± 142.5'	(1) RRUS11 (1) RRUS32	N/A	± 170'	± N/A	TRUNK 1
	A2	QS6658-3	90°	± 142.5'	(2) RRUS (1) RRUS32	N/A	± 170'	± N/A	TRUNK 1
	A3	HBSA-H65R-KU-H6	90°	± 152.5'	(1) RRUS32	N/A	± 180'	± N/A	TRUNK 4
	A4	HBSA-H65R-KU-H6	90°	± 152.5'	(1) RRUS32	N/A	± 180'	± N/A	TRUNK 4
BETA	B1	QS6656-3	330°	± 142.5'	(1) RRUS11 (1) RRUS32	N/A	± 170'	± N/A	TRUNK 2
	B2	QS6658-3	330°	± 142.5'	(2) RRUS (1) RRUS32	N/A	± 170'	± N/A	TRUNK 2
	B3	HBSA-H65R-KU-H6	330°	± 152.5'	(1) RRUS32	N/A	± 180'	± N/A	TRUNK 4
	B4	HBSA-H65R-KU-H6	330°	± 152.5'	(1) RRUS32	N/A	± 180'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	210°	± 142.5'	(1) RRUS11 (1) RRUS32	N/A	± 170'	± N/A	TRUNK 3
	C2	QS6658-3	210°	± 142.5'	(2) RRUS (1) RRUS32	N/A	± 170'	± N/A	TRUNK 3
	C3	HBSA-H65R-KU-H6	210°	± 152.5'	(1) RRUS32	N/A	± 180'	± N/A	TRUNK 4
	C4	HBSA-H65R-KU-H6	210°	± 152.5'	(1) RRUS32	N/A	± 180'	± N/A	TRUNK 4
RF DATA SHEET v1.00.01 DATED 02/27/17					(21) (P) RRUS				

MW SCHEDULE

DIRECTION	DISH MODEL	NO./SIZE	AZIMUTH	RAD CENTER	RADIO TYPE	-	CABLE TYPE	CABLE LENGTH	FREQUENCY
SW	HPD4	(1) 4'	240.77°	± 135'	(1) TNO/01 2251/2261 HP	N/A	CNT 400	± 185FT/ODU	11GHZ

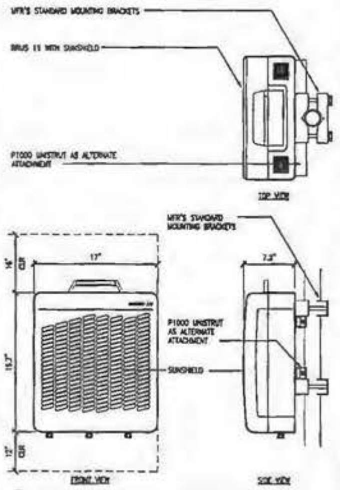
5 RF WITH MW SCHEDULE
NOT TO SCALE

ERICSSON RRUS 11 REMOTE RADIO UNIT

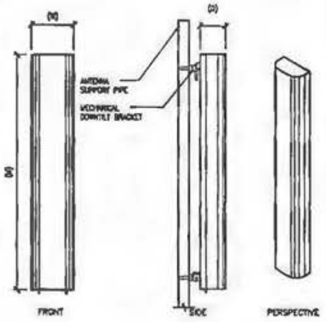
COLOR: WHITE

DIMENSIONS: 18.7" TALL X 17" WIDE X 7.2" DEEP (INCLUDING SUNSHIELD)

WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



3 ERICSSON RRUS-11 REMOTE RADIO UNIT
1 1/2"=1'-0"



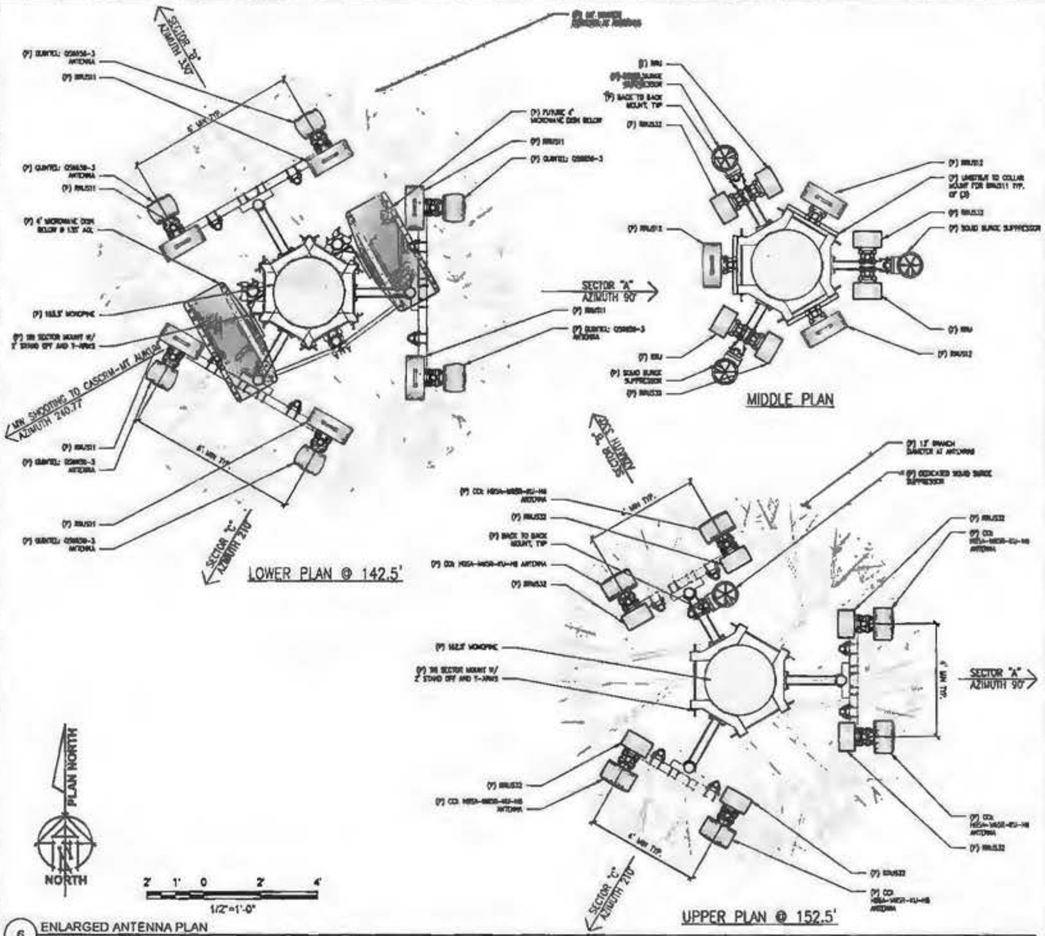
ANTENNA = QUINTEL QS6656-3
WIND AREA = 8 SQ.FT.
WEIGHT = 65 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)

ANTENNA = QUINTEL QS6658-3
WIND AREA = 8 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)

ANTENNA = CCI HBSA-H65R-KU-H6
WIND AREA = 6.5 SQ.FT.
WEIGHT = 44.5 LBS
DIMENSIONS = 60.1" (H) x 13.7" (W) x 8.5" (D)

ANTENNA = CCI HBSA-H65R-KU-H6
WIND AREA = 6.5 SQ.FT.
WEIGHT = 43.6 LBS
DIMENSIONS = 60.1" (H) x 13.7" (W) x 8.5" (D)

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



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

SITE TYPE: MONOPINE

Issued For

FAIR PLAY
-865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR

at&t

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:

No. 84674

Engineer

ADAPTIVE RE-USE ENGINEERING
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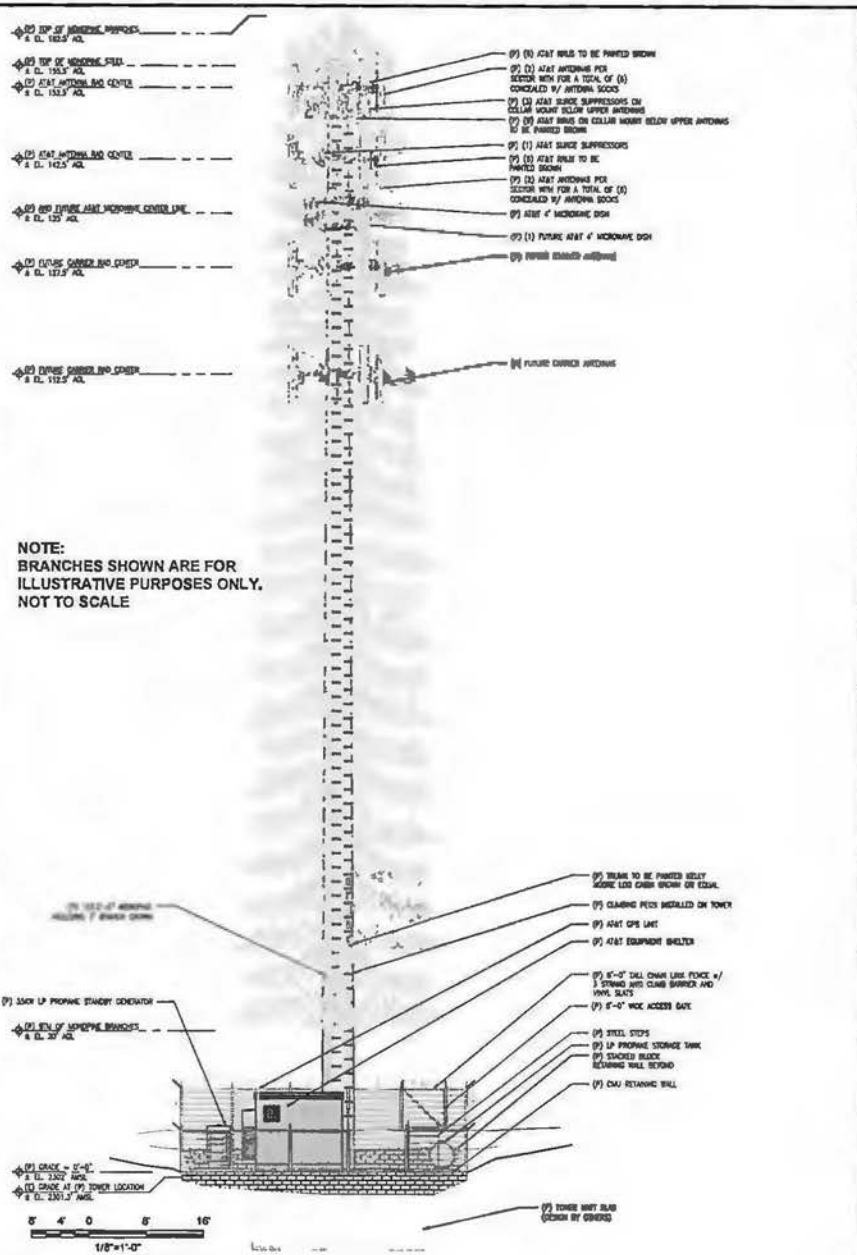
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighorner@yahoo.com

SHEET TITLE:

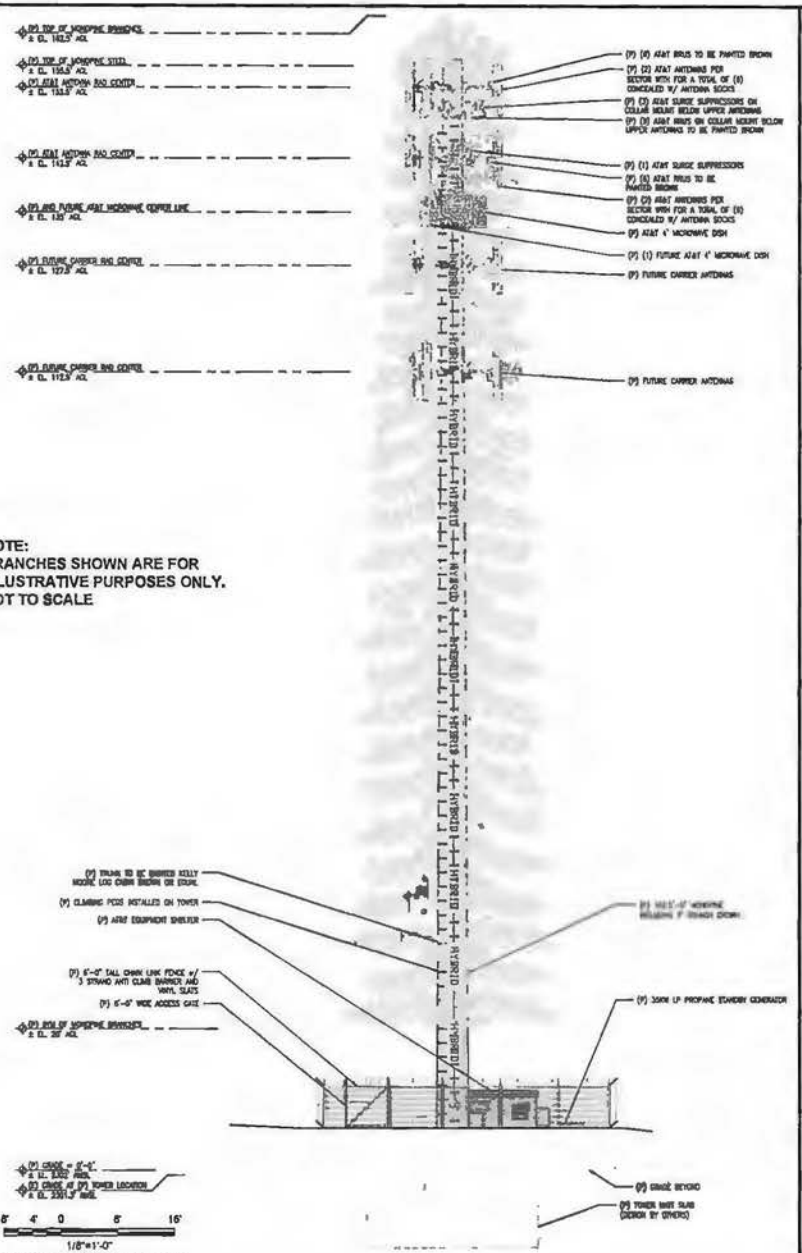
ANTENNA PLAN & DETAILS

SHEET NUMBER:

A-3



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



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

SITE TYPE: MONOPINE/SHELTER

Issued For
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03018
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

REV.	DATE	DESCRIPTION

Licensor:
No. 84674

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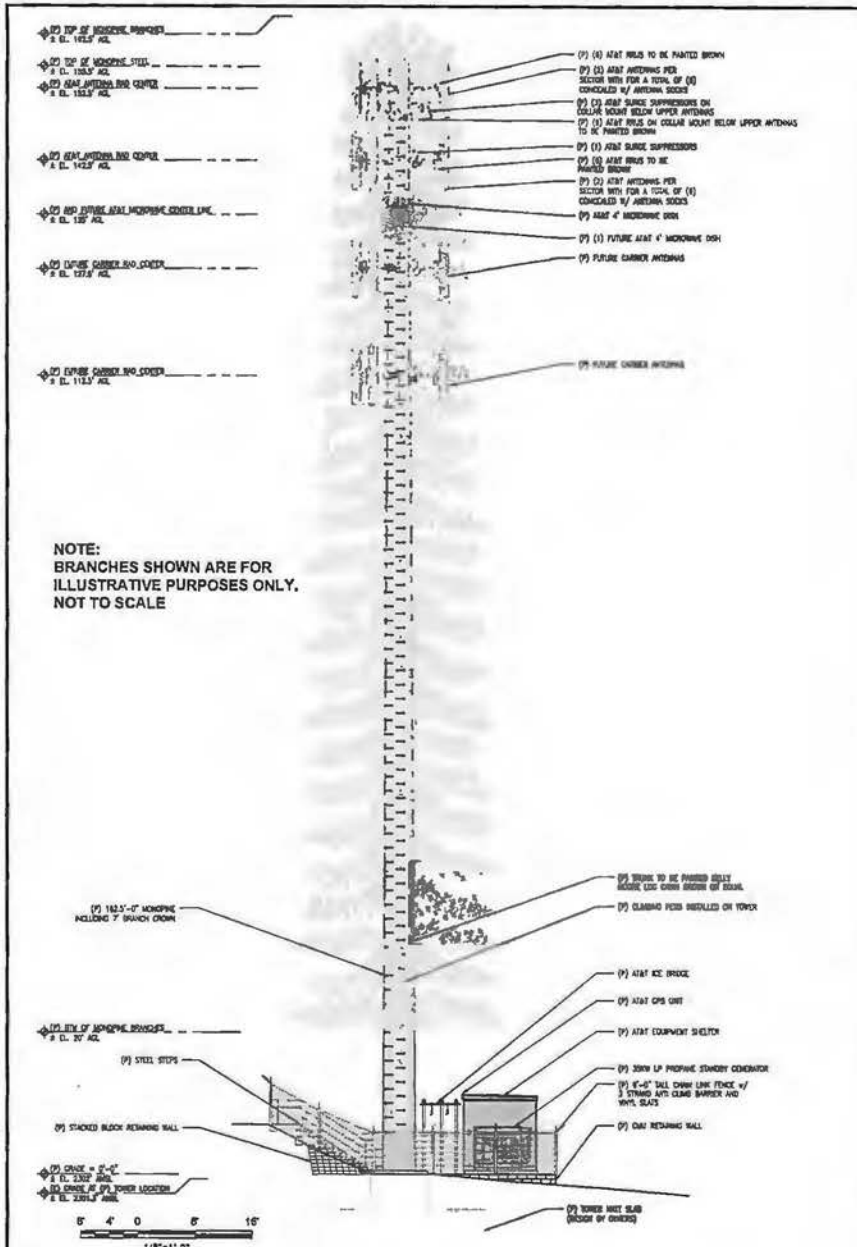
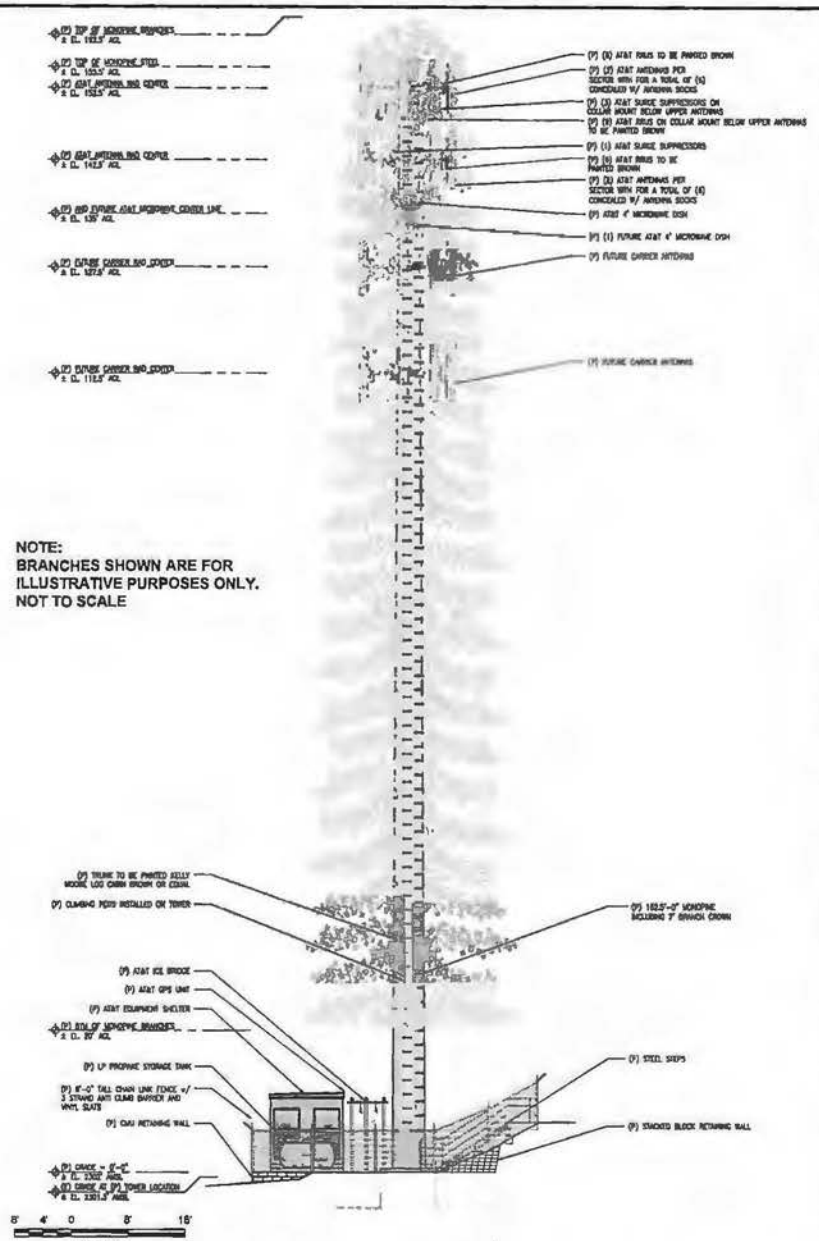
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE NORTH - SOUTH ELEVATION

SHEET NUMBER:
A-4.1



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



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

SITE TYPE: MONOPINE/SHELTER

Prepared for
FAIR PLAY
~865 FEET NORTH OF PROPERTY ACCESS OF PERRY CREEK RD.
APN: 094-060-35-100
SOMERSET, CA 95684

PREPARED FOR
at&t
2400 Camino Ramon, #W350 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03016
PROJECT NO:	13787663
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION

Licensed
No. 84674

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

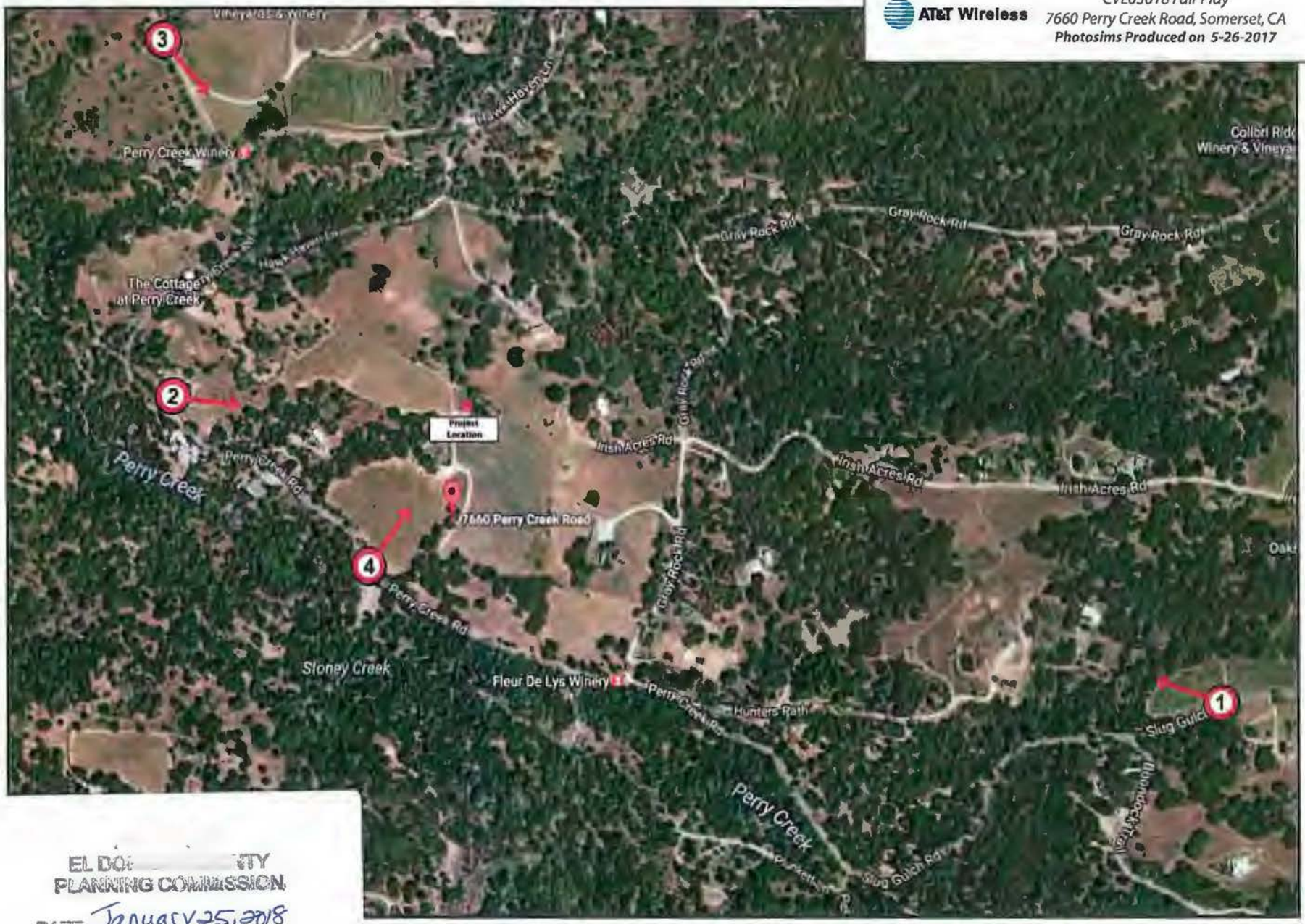
SHEET TITLE:
PROPOSED MONOPINE WEST - EAST ELEVATION

SHEET NUMBER:
A-4.2

Site 5-Exhibit G

AT&T Wireless

CVL03018 Fair Play
7660 Perry Creek Road, Somerset, CA
Photosims Produced on 5-26-2017

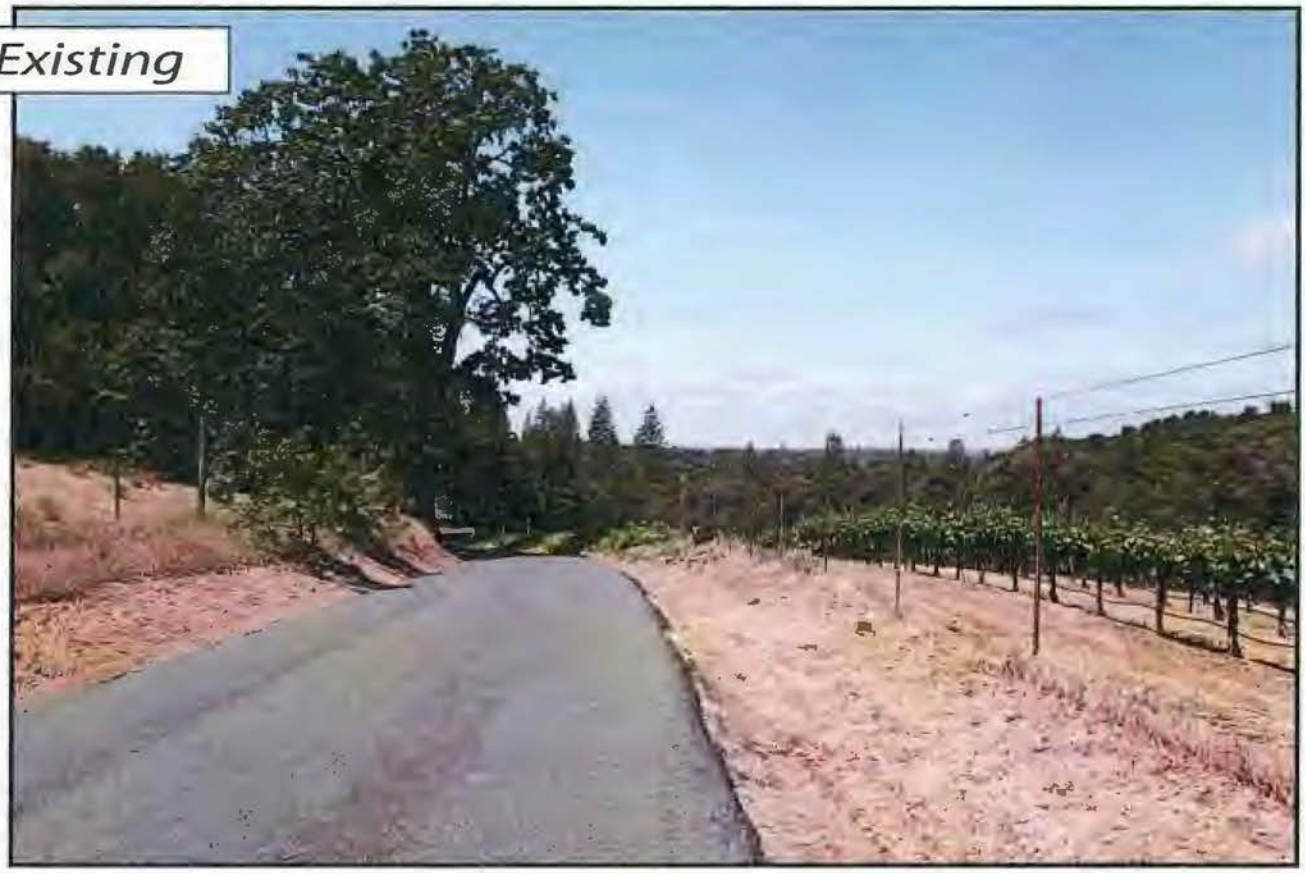


EL DO[illegible]TY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout Idre
EXECUTIVE SECRETARY

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

Existing



Proposed

view from Slug Gulch Road looking west at site

AT&T Wireless

CVL03018 Fair Play
7660 Perry Creek Road, Somerset, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

Proposed

view from Perry Creek Road looking east at site

AT&T Wireless

CVL03018 Fair Play
7660 Perry Creek Road, Somerset, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

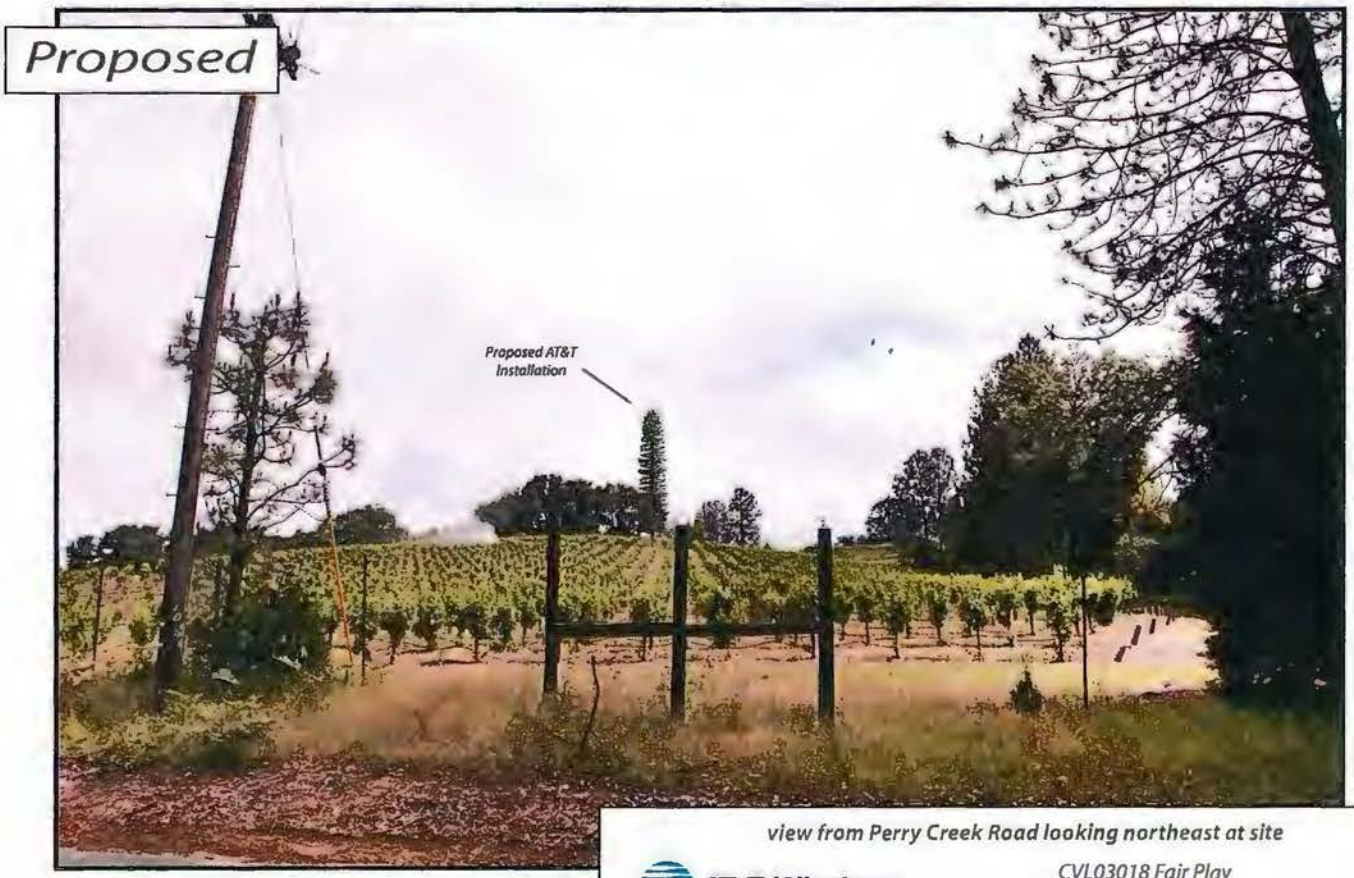
Proposed

view from Perry Creek Road looking southeast at site

AT&T Wireless

CVL03018 Fair Play
7660 Perry Creek Road, Somerset, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507



view from Perry Creek Road looking northeast at site

AT&T Wireless

CVL03018 Fair Play
7660 Perry Creek Road, Somerset, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Site 5-Exhibit I

WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Fair Play**	**Site Structure Type:**	**Monopine**
Address:	**7660 Perry Creek Road**	**Latitude:**	**38.603603**
	Somerset, CA	**Longitude:**	**-120.659195**
Report Date:	**May 30, 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 Fair Play site located at 7660 Perry Creek Road, Somerset, 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)	*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.

Waterford Consultants, LLC • 201 Loudoun Street Southeast Suite 300 • Leesburg, Virginia 20175 • 703.596.1022

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) panel antennas, four (4) per Alpha, Beta, Gamma Sectors
- Add nineteen (21) RRUS

The antennas will be mounted on a 162-foot monopine with centerlines at 142.5 and 152.5 feet above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 25,995 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 0.3230% of the FCC General Population limits (0.0646% 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 0.7015% of the FCC General Population limits (0.1403% 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

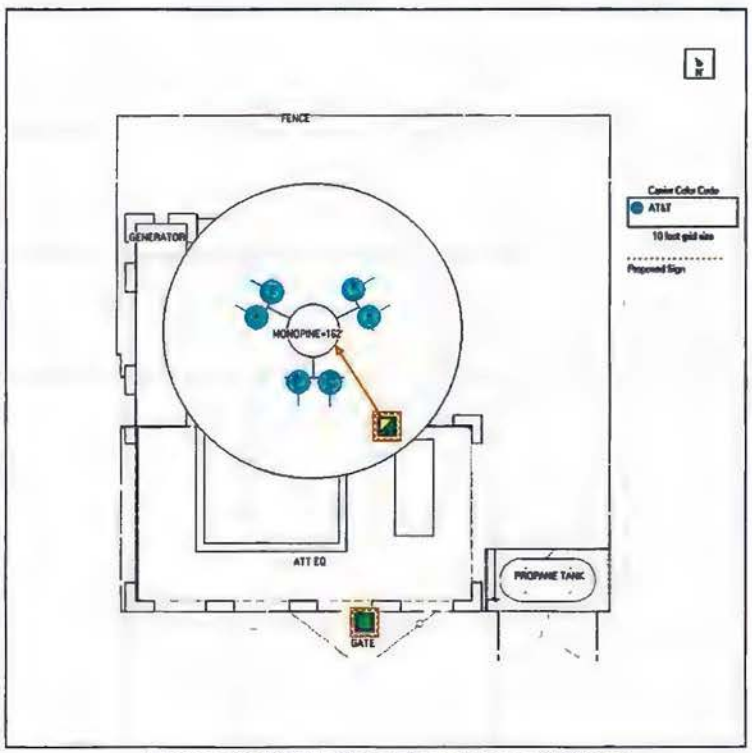


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 7660 Perry Creek Road, Somerset, 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.

SITE NUMBER: CVL03061

SITE NAME: GREENWOOD

at&t

666 COURAGEOUS COURT
GREENWOOD, CA 95635
JURISDICTION: EL DORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ROAD IMPROVEMENT
3. 35'X40' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) NEW GPS UNITS
6. ADD 123'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (21) RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD (2) FUTURE 4' MICROWAVE DISHES
11. ADD 9'-0" HIGH CHAIN LINK FENCE W/ VINYL SLATS
12. ADD 35KW LP PROPANE GENERATOR
13. ADD 500 GAL LP PROPANE STORAGE TANK

CODE COMPLIANCE

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

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

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE TITLE 24 PART 2, SECTION 118-203.4

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY: U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: GREENWOOD
SITE NUMBER: CVL03061

SEARCH RING: GREENWOOD
FA# 13787674
SITE ADDRESS: 666 COURAGEOUS COURT
GREENWOOD, CA 95635

A.P.N. NUMBER: 074-100-24-100

CURRENT USE: SINGLE FAMILY RESIDENTIAL, RURAL RESIDENTIAL

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: EL DORADO COUNTY

LATITUDE: N 38° 54' 10.28"

LONGITUDE: W 120° 55' 23.18"

GROUND ELEVATION: ±1972.8 FT. AMSL

PROPERTY OWNER:
TERRY VANDERSCHAUR
666 COURAGEOUS COURT
GREENWOOD, CA 95635

POWER AGENCY:
PG&E
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-743-5000

TELEPHONE AGENCY:
AT&T
525 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105
PH: 1-800-310-2355

RFDS DATED 03-17-2017, ISSUE 1.0
REVISION 1.00.01

VICINITY MAP

SPECIAL INSPECTIONS

PROJECT TEAM

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

RF ENGINEER:
AT&T CONTACT: ALEXANDER KERRIGAN
PHONE: 916-486-2324
EMAIL: AK4030@ATT.COM

PROJECT MGR.:
EPIC WIRELESS
CONTACT: NICK TAGAS
EMAIL: NICK.TAGAS@EPICWIRELESS.NET
PH: (916) 990-1445

SITE ACQUISITION:
COMPANY: EPIC WIRELESS
CONTACT: JARED KEARSLEY (ZONING MGR.)
EMAIL: JARED.KEARSLEY@EPICWIRELESS.NET
CELL: (916) 759-1326

CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: PETE MANNS
EMAIL: PETE.MANNS@EPICWIRELESS.NET
PH: (530) 363-3957

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 833-2763

ARCHITECT / ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGHORNER@YAHOO.COM
PH: (214) 407-3184

CIVIL VENDOR:
VINCULUMS CM
CONTACT: KEN ABEL
EMAIL: KABEL@VINCULUMS.COM
PH: (916) 844-6802

DIRECTIONS FROM AT&T

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

2600 CAMINO RAMON
SAN RAMON, CA 94583

1. GET ON I-680 N IN DANVILLE FROM CAMINO RAMON 1.2 MM (4.1 MI)
2. HEAD NORTHWEST ON CAMINO RAMON TOWARD EXECUTIVE PKWY 1.0 MI
3. TURN LEFT ONTO CROW CANYON RD 0.2 MI
4. TURN RIGHT ONTO CROW CANYON PL 0.2 MI
5. CONTINUE ONTO CAMINO RAMON 2.3 MI
6. USE THE MIDDLE LANE TO TURN LEFT ONTO SYCAMORE VALLEY RD 364 FT
7. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO THE INTERSTATE 680 N RAMP TO SACRAMENTO 0.3 MI
8. FOLLOW I-680 N AND I-80 E TO ELM AVE IN AUBURN. TAKE EXIT 51BC FROM I-80 E 1 H 39 MIN (111 MI)
9. MERGE ONTO I-680 N 0.7 MI
10. KEEP LEFT TO STAY ON I-680 N 5.0 MI
11. KEEP LEFT AT THE FORK TO STAY ON I-680 N 5.9 MI
12. KEEP LEFT AT THE FORK TO CONTINUE ON I-680 14.4 MI
13. USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO 0.4 MI
14. MERGE ONTO I-80 E 27.0 MI
15. KEEP LEFT AT THE FORK TO STAY ON I-80 E 12.1 MI
16. KEEP RIGHT AT THE FORK TO STAY ON I-80 E, FOLLOW SIGNS FOR RENO 37.7 MI
17. TAKE EXIT 119C FOR ELM AVE 486 FT
18. FOLLOW CA-193 E TO COURAGEOUS RD IN EL DORADO COUNTY 22 MIN (12.5 MI)
19. TURN LEFT ONTO ELM AVE (SIGNS FOR DOWNTOWN/AUBURN) 0.2 MI
20. TURN LEFT ONTO CA-49 S/CL DORADO ST/HIGH ST 299 FT
21. TURN RIGHT ONTO CA-193 E/CA-49 S/CL DORADO ST CONTINUE TO FOLLOW CA-193 E/CA-49 S 6.0 MI
22. TURN LEFT ONTO CA-193 E 5.8 MI
23. TURN RIGHT ONTO COURAGEOUS RD 0.4 MI
24. CONTINUE STRAIGHT TO STAY ON COURAGEOUS RD 0.2 MI

666 COURAGEOUS RD
GREENWOOD, CA 95635

APPROVALS

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

SHEET INDEX

REV		
	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 – MONOPINE
	A-4.1	PROPOSED MONOPINE NORTH – SOUTH ELEVATION
	A-4.2	PROPOSED MONOPINE WEST – EAST ELEVATION

EL DORADO COUNTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout/dre
EXECUTIVE SECRETARY

Site 6-Exhibit F

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

DIGALERT
800-227-2600

Issued For:
GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

PREPARED FOR
at&t
2600 Camino Ramon, 4W830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

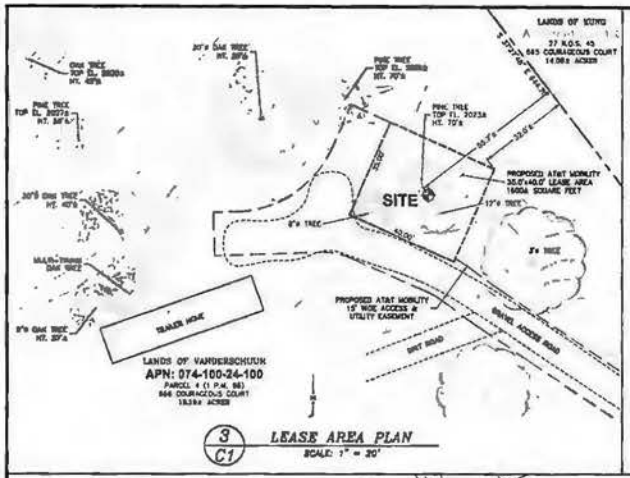
REV	DATE	DESCRIPTION
0	1/26/17	ZONING RESUBMITTAL
0	10/31/17	ZONING RESUBMITTAL

Licensor:
No. 84674

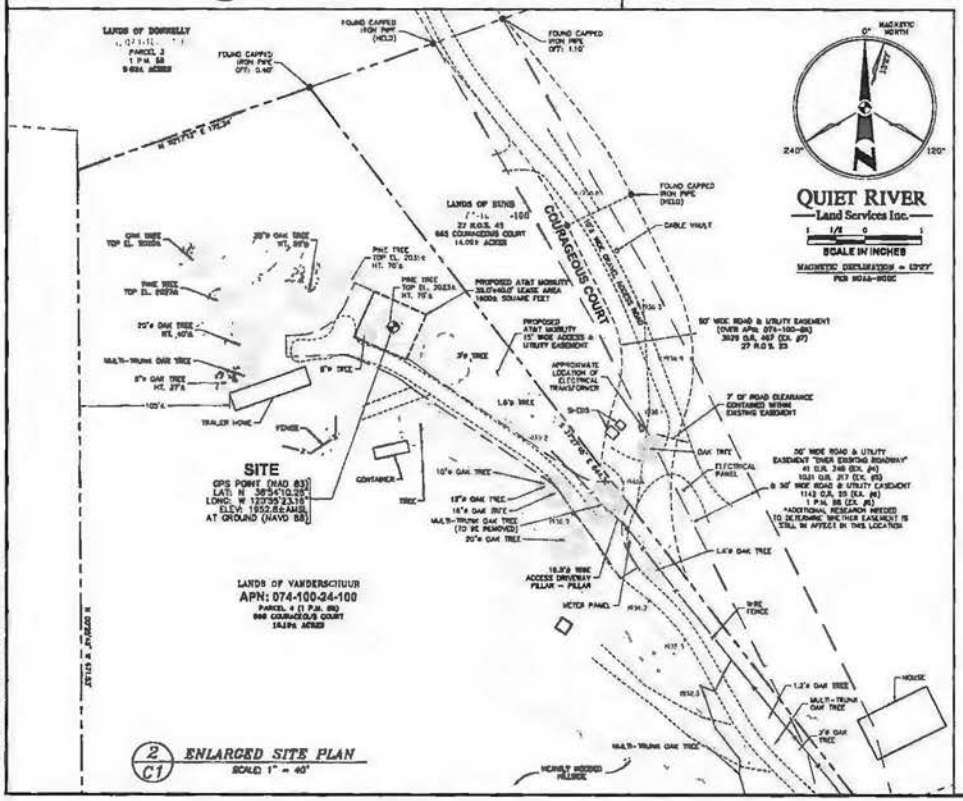
Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
TITLE SHEET

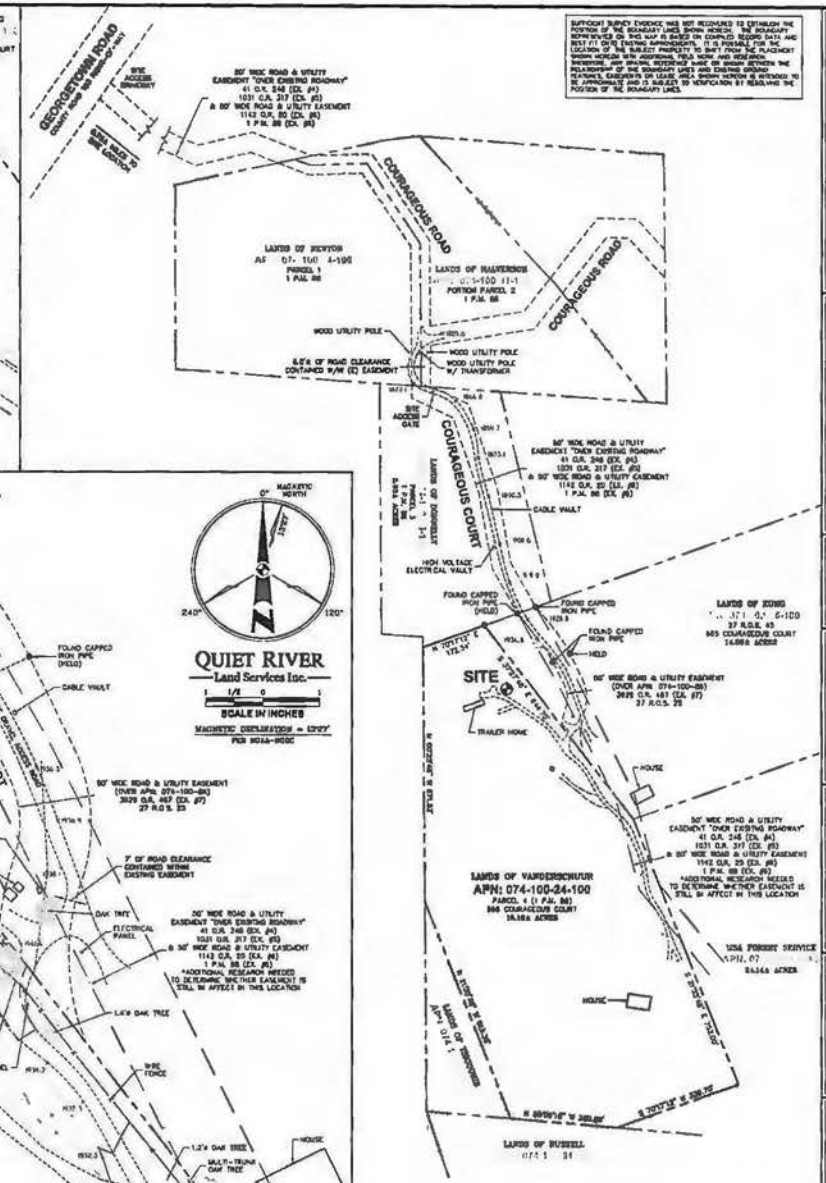
SHEET NUMBER:
T-1



3/C1 LEASE AREA PLAN
SCALE: 1" = 20'



2/C1 ENLARGED SITE PLAN
SCALE: 1" = 40'



1/C1 SITE PLAN
SCALE: 1" = 150'

SUFFICIENT SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND WITH IT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE THAT THE LOCATION OF THE SUBJECT PROPERTY TO DIRT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH, INTERESTING, AND SPECIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA SHOWN HEREON IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.

VICINITY MAP
NOT TO SCALE

GARDELY FLATS
EL DORADO COUNTY
CALIFORNIA

PROPERTY INFORMATION

Owner: TONEY VANDERSCHUUR
Address: 666 COURAGEOUS COURT
GREENWOOD, CA 95635

Site: CVL03061 / GREENWOOD
Address: 666 COURAGEOUS COURT
GREENWOOD, CA 95635

Assessor's Parcel Number: 074-100-24-100

Height of Building/Tower: N/A

Title Report:
TITLE REPORT FOR THIS PROPERTY WAS PROVIDED BY FIRST AMERICAN TITLE COMPANY REPORT NO. 2038920-5380088, DATED AS OF JANUARY 30, 2017.

Legal Description:
PROPERTY SITUATED IN THE CITY OF GREENWOOD COUNTY OF EL DORADO, STATE OF CALIFORNIA

FEMA FLOOD ZONE DESIGNATION National Flood Insurance Program

County: EL DORADO (Effective Date: SEPTEMBER 26, 2008)
Community-Panel Number: 060174C-0950-E
The Flood Zone Designation for this site as plotted by scale is:

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

SURVEY DATA

Basis of Bearings:
Lat: N 38°54'10.25" Long: W 120°59'23.15"
Datum Basis: NAD 83, Equipment Used: DGPS/RTK-GPS Receiver
(See Note 2)
Site Ground Elevation: 1952.86 AMSL (NAVD88) AT SITE LOCATION
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS)
(SEE NOTE 2)

Basis of Bearings:
CALIFORNIA COORDINATES ZONE II AND MONUMENTS AS SHOWN ON RECORD OF SURVEY MAP FILED IN BOOK 37 AT PAGE 45 IN THE RECORDS OF EL DORADO COUNTY.
Date of Field Survey: MARCH 20, 2017 & MAY 2, 2017

NOTES

1) This is not a boundary survey. This is a generalized topographic map with property lines and easements and a graphic depiction of surface information gathered from preliminary title reports. Back-up documents of record and physical monumentation found during the field survey, by property consultants were not, for this research was not performed by Quiet River Land Services, Inc.

2) The latitude, longitude and elevation shown hereon were derived from post-processed L1/L2-L3 data collected using Receiver Global Positioning System (GPS) and a DGPS/RTK-GPS Receiver that met horizontal specifications meant to maximize final accuracy (horizontal) when data is properly collected and processed. (Elevation = ±3.0 feet.)

3) Unless otherwise noted, no underground utility locating service company was contacted prior to this map being prepared. Therefore, there may be non-visible or obscure utilities existing on the property not shown on this map – so CALL BEFORE YOU DIG.

4) Any electronic digital media provided by Quiet River Land Services, Inc. to our client as a courtesy and is not to be reproduced, distributed, sold, altered, marked, edited or amended without the express written consent of an Officer of Quiet River Land Services, Inc. Further, only the hard stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, statements, bearings, boundary lines, bearings and distances as shown hereon are based upon a field survey in conformance with the requirements of the Professional Land Surveyors Act and is true and correct to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN.	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL.	ELEVATION	△	CONTROL POINT
FH	FIRE HYDRANT	○	FOUND MONUMENT
FND.	FOUND	⊕	GPS POINT
HT.	HEIGHT	+++	PARAPET/ROOF ELEVATIONS
MON.	MONUMENT	x 18.3	SPOT ELEVATION
(M-M)	MONUMENT TO MONUMENT	BM	TEMPORARY BENCHMARK
P.O.B.	POINT OF BEGINNING		
P.O.C.	POINT OF COMMENCEMENT		
PP	POWER POLE		
(TYP.)	TYPICAL		

DATE:	MAY 25, 2017
DRAWN BY:	MAS
FILE NO.:	EPIC1720

REVISIONS

DATE	DESCRIPTION	INITIAL
3/24/17	90% ISSUE	MAS
4/12/17	NEW LOCATION TOPO	MAS
5/8/17	ADDITIONAL TOPO	MAS
5/15/17	100% ISSUE	RD
5/25/17	EASEMENT REVISION	RD

at&t
AT&T MOBILITY
5001 Executive Parkway
San Ramon, Ca. 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
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EXISTING SITE CONDITIONS

CVL03061
GREENWOOD

666 COURAGEOUS COURT
GREENWOOD, CA 95635

C1
OF 1 SHEET

GENERAL CONSTRUCTION NOTES:

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

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

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADDTL.	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.M.	BOUNDARY MARKING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
@	FOOT/ (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXIST (E)	EXISTING
EXT.	EXTERIOR
(F)	FUTURE
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWN (CABINET)
GA.	GAUGE
GL.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HEB.	HEATER
HDR.	HANGER
HT.	HEIGHT
IGSB.	INSULATED COPPER GROUND BUS
IN. (")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D/	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE (WIDTH)
w/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
▷	PLATE, PROPERTY LINE

SYMBOLS LEGEND

- BLDG. SECTION / ROAD SECTION (A-300)
- WALL SECTION (A-314)
- DETAIL (D5, A-900)
- ELEVATION (C1, C4, A4, A1 — A-113)
- DOOR SYMBOL (101)
- WINDOW SYMBOL (10)
- TILT-UP PANEL MARK (2)
- PROPERTY LINE
- CENTERLINE
- ELEVATION DATUM (+0'-0")
- GRID/COLUMN LINE (A)
- KEYNOTE, DIVISION ITEM (3)
- KEYNOTE, CONSTRUCTION ITEM (2)
- WALL TYPE MARK (W-1)
- ROOM NAME / ROOM NUMBER (OFFICE 101)

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

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

Investor:
GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

PREPARED FOR
at&t
2400 Camino Ramon, 4W650-11
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO.	CVL03061
PROJECT NO.	13787674
DRAWN BY:	CES
CHECKED BY:	CES

License:
CRAIG M. HORNOR — No. 84674 — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — CIVIL

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SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE

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

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

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL, FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION CONTROL PLAN NOTES:

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

A. SOLID WASTE MANAGEMENT:
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY

C. CONCRETE WASTE:
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.

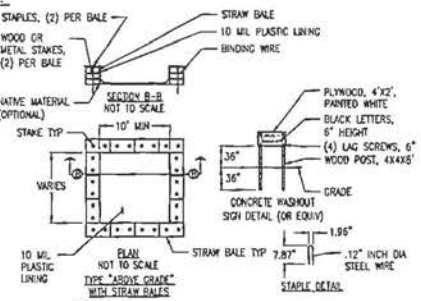
E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.

F. HAZARDOUS WASTE MANAGEMENT:
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMPS" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE USED FOR INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY ALL CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. THIS SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXTENDING TO THE POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION DEBRIS MAY ENTER ANY STORM WATER OR DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT MEASURES TO MONITOR THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ANY AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, IMPORTED ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAIN SYSTEMS AND ANY CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS ON A DAILY BASIS (OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND DISCHARGE OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP'S (BEST MANAGEMENT PRACTICES) FOR SITE CONDITIONS. AND REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULES OR DETAILS NOT SPECIFIED IN THIS PLAN.

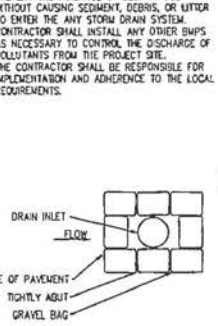
STORM WATER QUALITY NOTES:

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

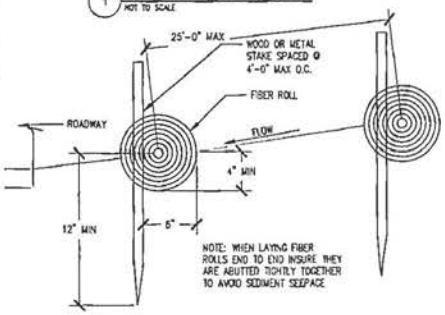


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

1 CONCRETE WASHOUT DETAIL
NOT TO SCALE

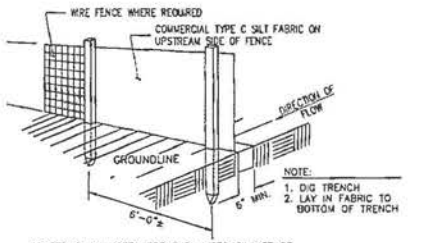


2 DRAIN INLET DETAIL
NOT TO SCALE



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

3 FIBER ROLL DETAIL
NOT TO SCALE



NOTE:
1. DIG TRENCH
2. LAY IN FABRIC TO BOTTOM OF TRENCH

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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

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

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

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

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.

4 TYPE C SILT FENCE DETAIL
NOT TO SCALE

Issued For:
GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

PREPARED FOR
at&t
2600 Camino Ramon, 4W650 Rt
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:
No. 84674 CIVIL STATE OF CALIFORNIA

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-407-3184
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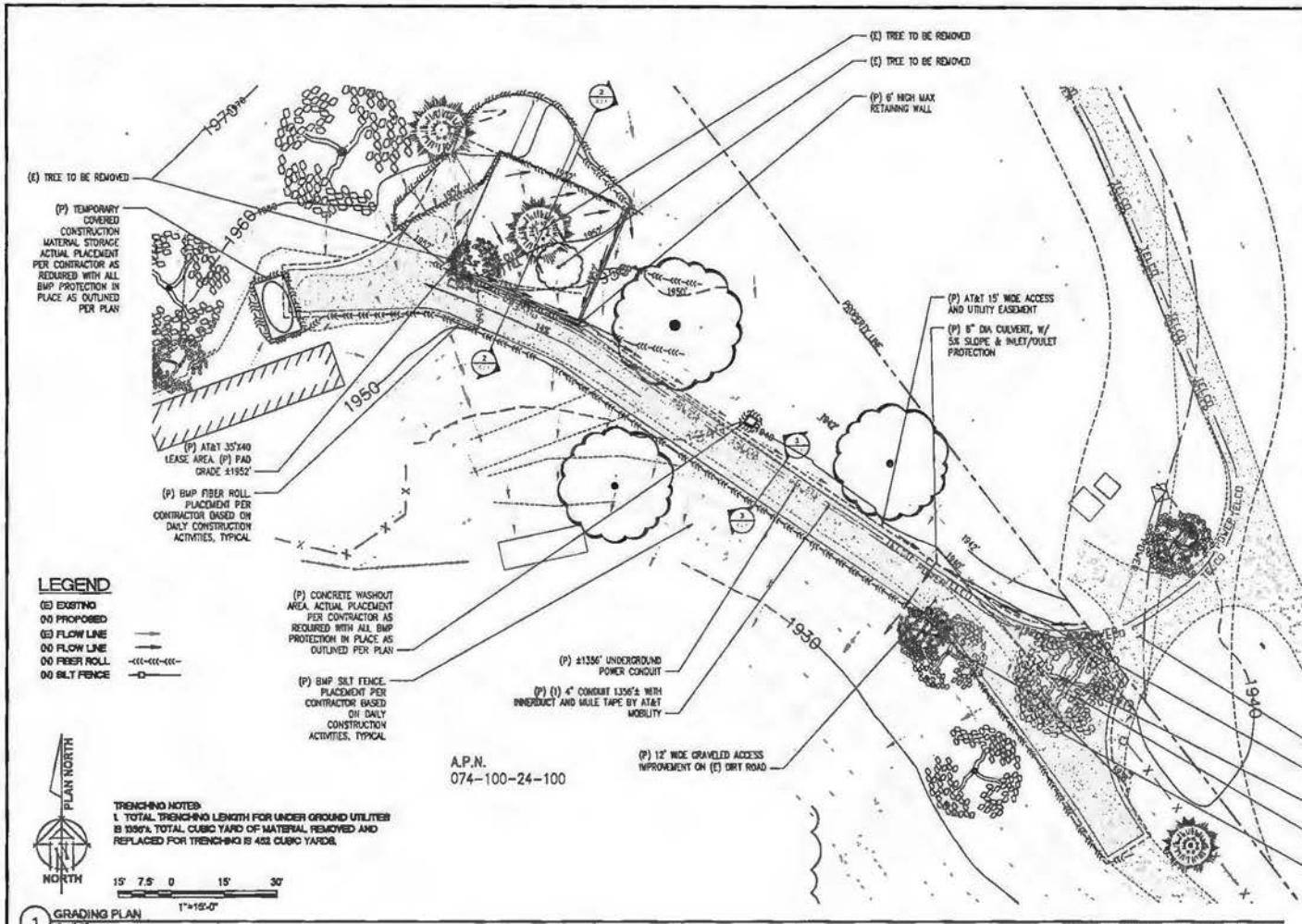
craigmhornerjr@yahoo.com

SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER
C-2

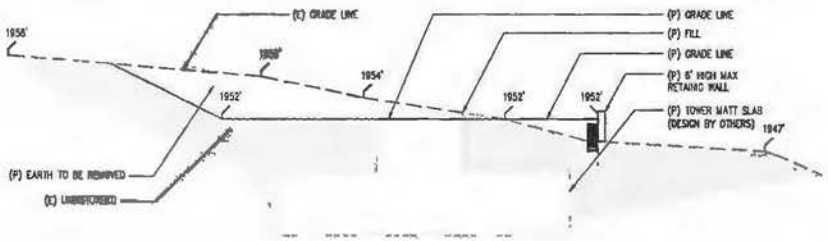


1 GRADING PLAN
1"=15'-0"

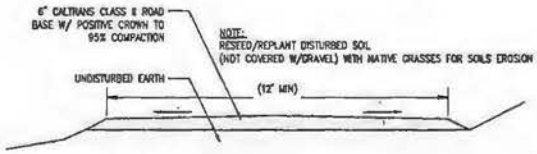
CONSTRUCTION EROSION/ SEDIMENTATION CONTROL PLAN NOTES:

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

SITE TYPE: MONOPINE/SHELTER



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



3 ACCESS ROAD DETAIL
NOT TO SCALE

Issued for:
GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

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

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

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

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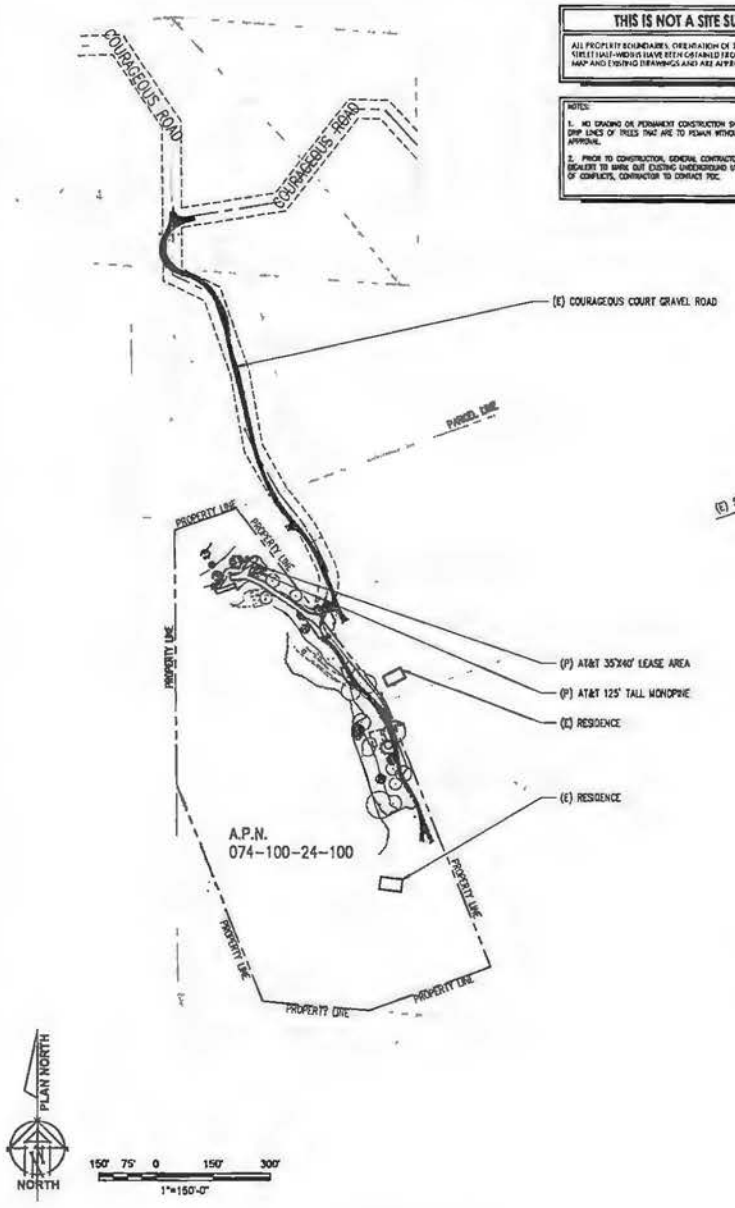
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
GRADING PLAN AND DETAILS

SHEET NUMBER:
C-2.1



1 OVERALL SITE PLAN
1"=150'-0"

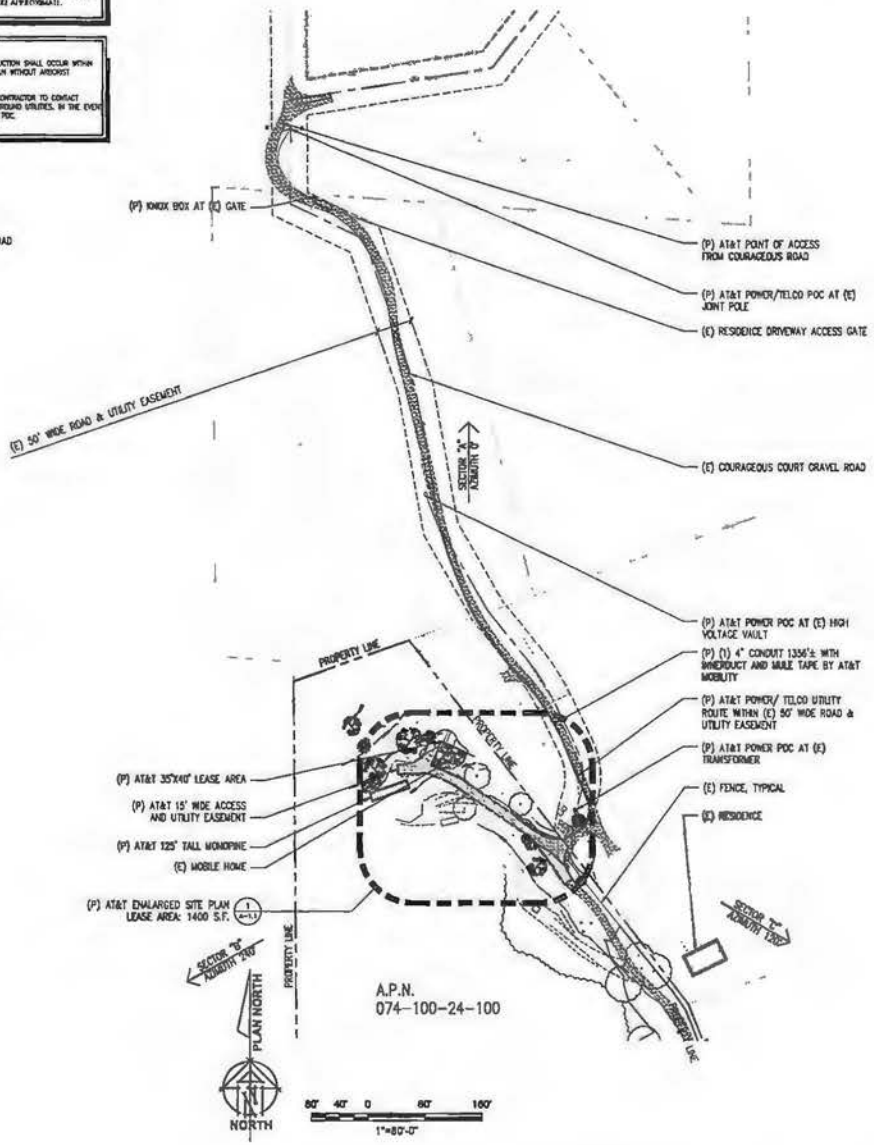
SITE TYPE: MONOPINE/SHELTER

THIS IS NOT A SITE SURVEY

ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

NOTES:

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



2 SITE PLAN
1"=80'-0"

SITE TYPE: MONOPINE/SHELTER

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GREENWOOD, CA 95635

PREPARED FOR

at&t

2600 Camino Ramon, 4W830 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

REV	BY	DESCRIPTION
A	CES	ZD PER RFDS
B	CES	ZD PER RFDS

Licensor:

No. 84674

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

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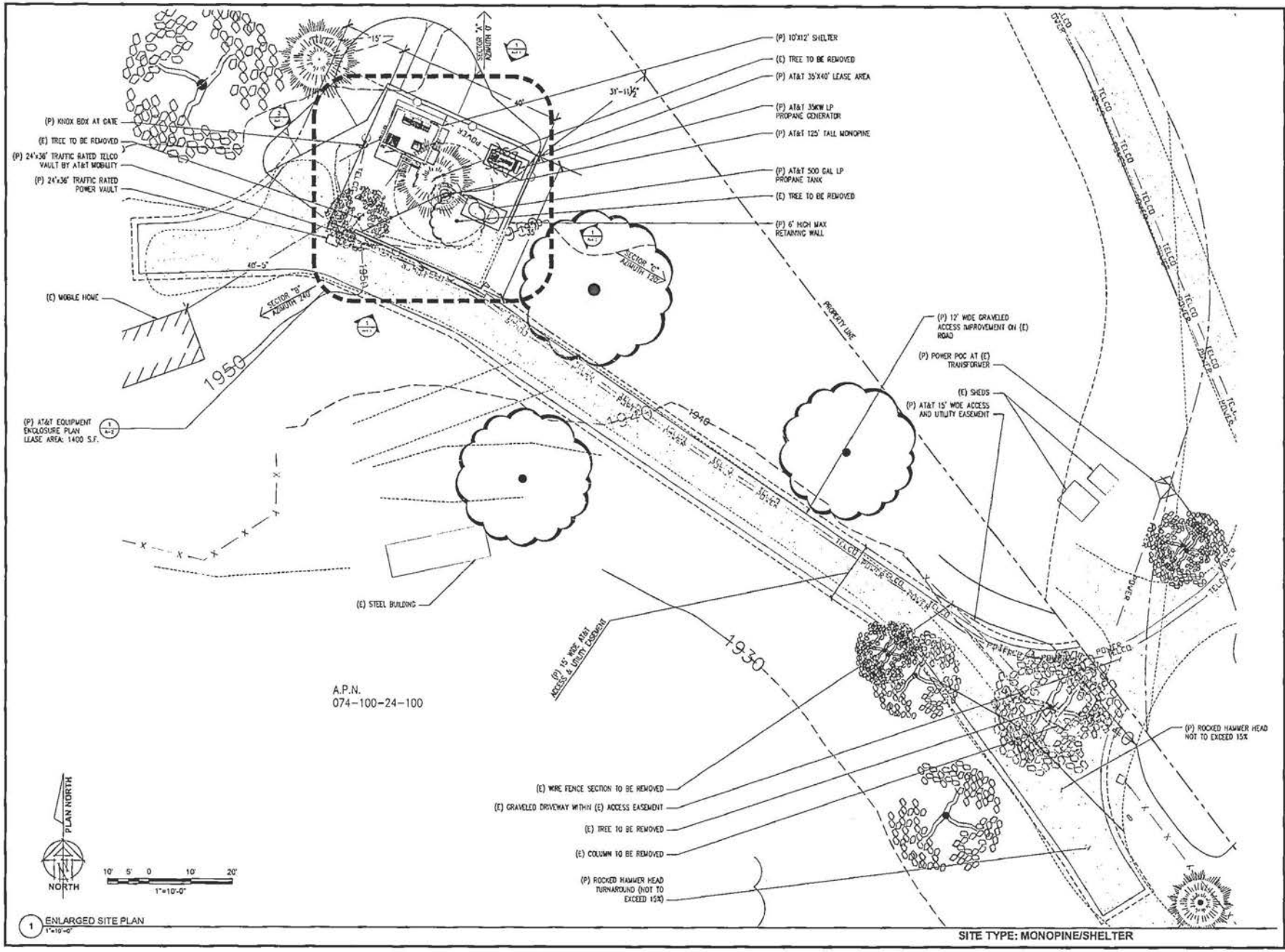
craigmhorner@yahoo.com

SHEET TITLE

OVERALL SITE PLAN & SITE PLAN

SHEET NUMBER:

A-1



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GREENWOOD, CA 95635

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2600 Camino Ramon, 4W650 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION
0	09.17	ISSUED FOR REVIEW

License:

No. 84674

CIVIL

STATE OF CALIFORNIA

Engineer:

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SACRAMENTO, CA 95821
craighhorner@yahoo.com

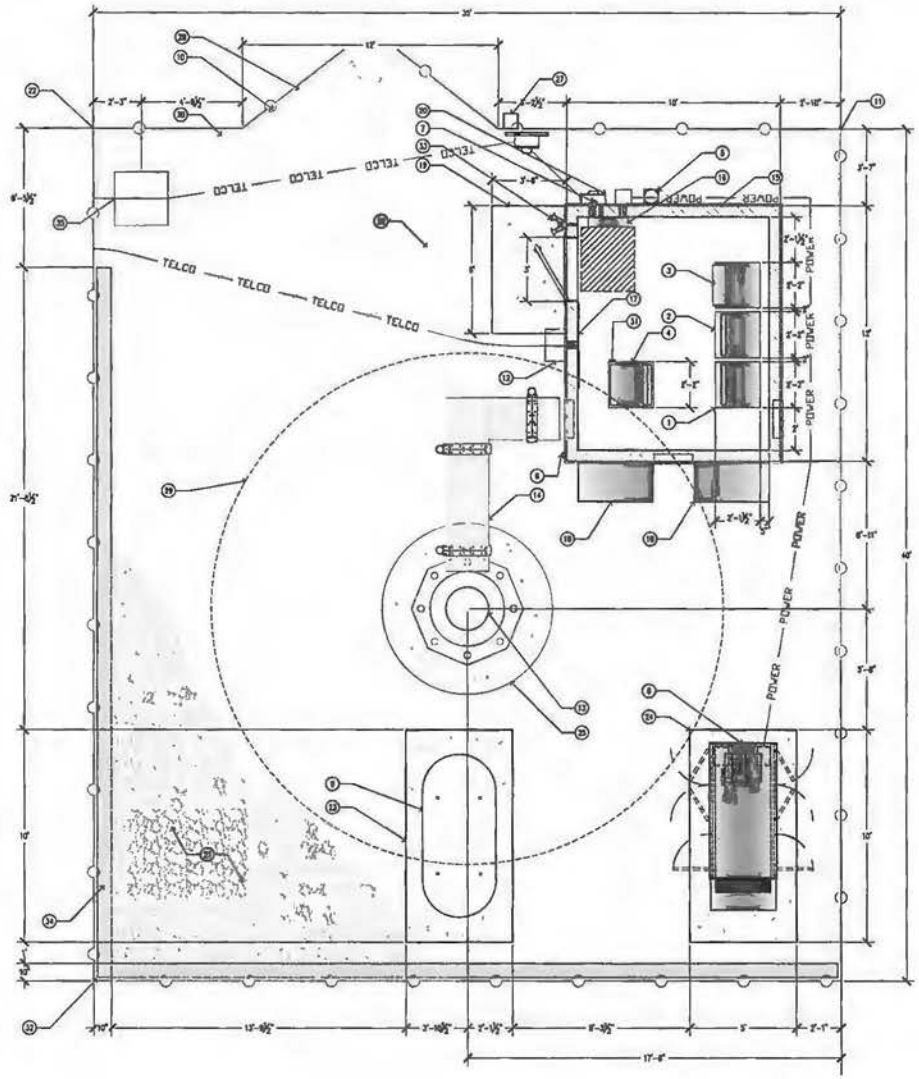
SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A-1.1

KEYNOTES



PLAN NORTH

NORTH 4' 2' 0 4' 8'

3/8"=1'-0"

1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
3/8"=1'-0"

SITE TYPE: MONOPINE/SHELTER

PROJECT FOR
GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

PREPARED FOR
at&t
2600 Camino Ramon, 4W553011
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION
0		

License:
No. 84674

Engineer
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Craig Horner, PE 84674
214-407-3184
3112 LEATHA WAY
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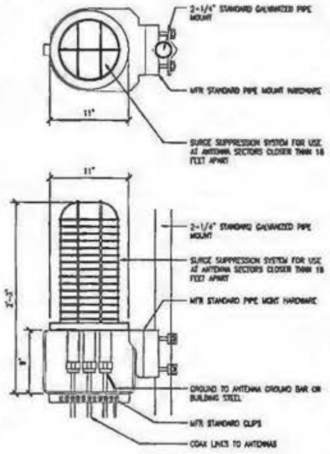
craigmhorner@yahoo.com

SHEET TITLE:
EQUIPMENT AREA PLAN

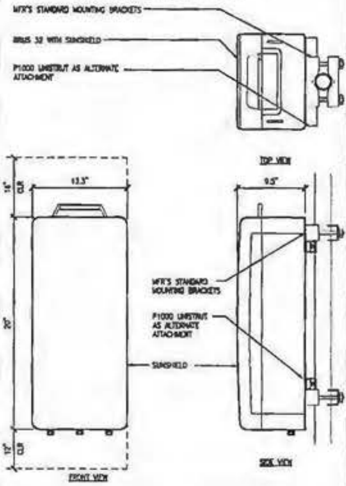
SHEET NUMBER:
A-2

RAYCAP DC6-48-60-18-8F &
DC6-48-60-0-8F SURGE SUPPRESSION
SOLUTION
COLOR: BLACK/SILVER
DIMENSIONS: 11" DIA X 27" TALL W/ 9" BASE
WEIGHT: +/- 30 LBS. (INCLUDING MOUNTING HARDWARE

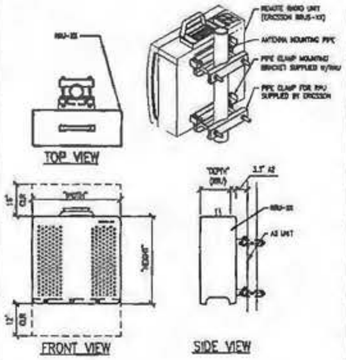


1 DC SURGE SUPPRESSION (SQUID)
1 1/2"=1'-0"

ERICSSON WCS RRU-32
MODEL: KRC161 483/1
COLOR: WHITE
DIMENSIONS: 29.9" TALL X 13.3" WIDE X 9.5" DEEP (INCLUDING SUNSHIELD)
WEIGHT: +/- 77LBS. (INCLUDING MOUNTING HARDWARE)

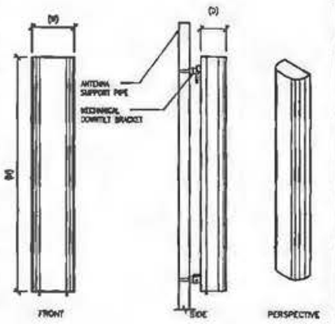


2 ERICSSON WCS RRUS-32 REMOTE RADIO UNIT
1 1/2"=1'-0"



TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-11	17.8"	17.3"	7.19"	50 LBS
RRUS-12	20.4"	18.5"	7.5"	57.5 LBS

3 ERICSSON RRUS-11 REMOTE RADIO UNIT
1 1/2"=1'-0"



ANTENNA = QUINTEL QS6658-3
WIND AREA = 8 SQ.FT.
WEIGHT = 85 LBS
DIMENSIONS = 72" (H) x 12" (W) x 9.6" (D)

ANTENNA = QUINTEL QS6656-3
WIND AREA = 8 SQ.FT.
WEIGHT = 77 LBS
DIMENSIONS = 72" (H) x 12" (W) x 8.6" (D)

ANTENNA = CCI HBSA-H65R-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 44.5 LBS
DIMENSIONS = 68.1" (H) x 13.7" (W) x 8.5" (D)

ANTENNA = CCI HBSA-H65R-KU-H6
WIND AREA = 8.5 SQ.FT.
WEIGHT = 45.6 LBS
DIMENSIONS = 68.1" (H) x 13.7" (W) x 8.5" (D)

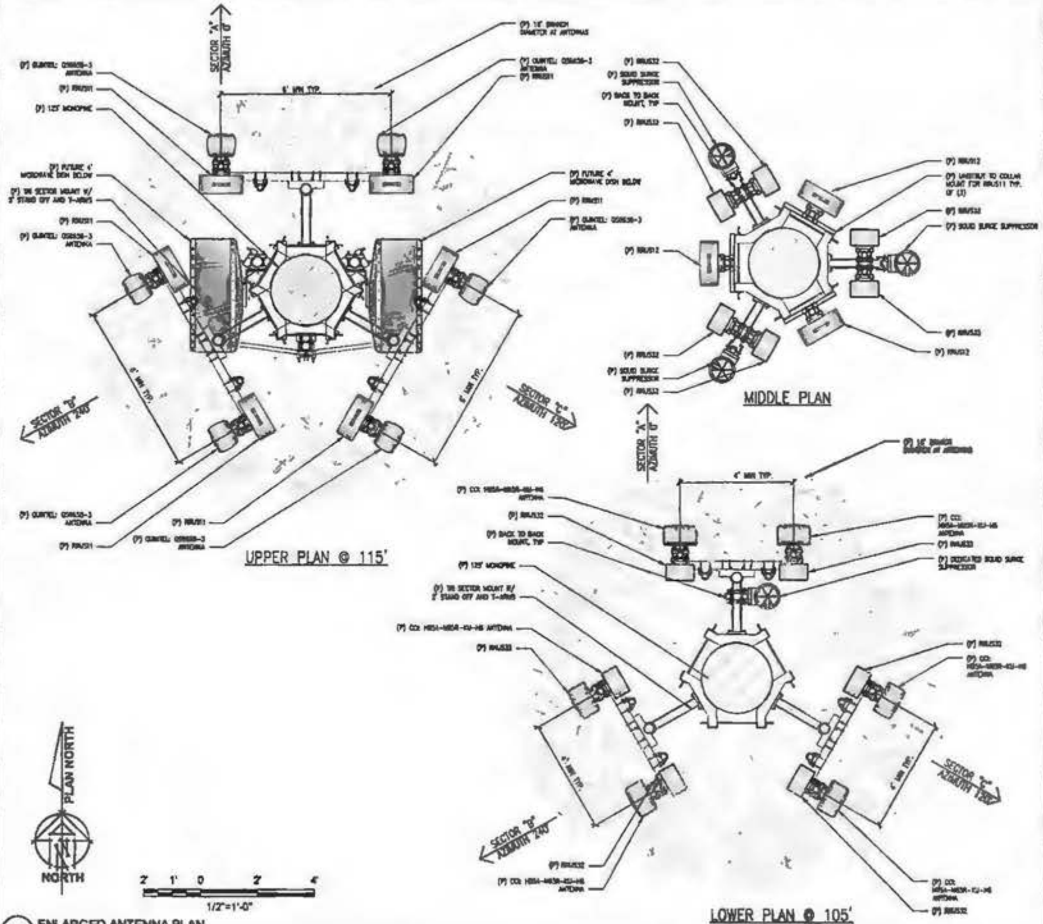
4 HEX ANTENNA SPEC
3/4"=1'-0"

RF SCHEDULE

SECTOR		ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA	A1	QS6656-3	0°	± 115'-0"	(1) RRUS11 (1) RRUS32	N/A	± 145'	± N/A	TRUNK 1
	A2	QS6658-3	0°	± 115'-0"	(1) RRUS11 (1) RRUS12 (1) RRUS32	N/A	± 145'	± N/A	TRUNK 1
	A3	HBSA-H65R-KU-H6	0°	± 105'-0"	(1) RRUS32	N/A	± 135'	± N/A	TRUNK 4
	A4	HBSA-H65R-KU-H6	0°	± 105'-0"	(1) RRUS32	N/A	± 135'	± N/A	TRUNK 4
BETA	B1	QS6656-3	240°	± 115'-0"	(1) RRUS11 (1) RRUS32	N/A	± 145'	± N/A	TRUNK 2
	B2	QS6658-3	240°	± 115'-0"	(1) RRUS11 (1) RRUS12 (1) RRUS32	N/A	± 145'	± N/A	TRUNK 2
	B3	HBSA-H65R-KU-H6	240°	± 105'-0"	(1) RRUS32	N/A	± 135'	± N/A	TRUNK 4
	B4	HBSA-H65R-KU-H6	240°	± 105'-0"	(1) RRUS32	N/A	± 135'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	120°	± 115'-0"	(1) RRUS11 (1) RRUS32	N/A	± 145'	± N/A	TRUNK 3
	C2	QS6658-3	120°	± 115'-0"	(1) RRUS11 (1) RRUS12 (1) RRUS32	N/A	± 145'	± N/A	TRUNK 3
	C3	HBSA-H65R-KU-H6	120°	± 105'-0"	(1) RRUS32	N/A	± 135'	± N/A	TRUNK 4
	C4	HBSA-H65R-KU-H6	120°	± 105'-0"	(1) RRUS32	N/A	± 135'	± N/A	TRUNK 4

RF DATA SHEET v1.00.01 DATED 10/17/17

5 RF SCHEDULE
NOT TO SCALE



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

SITE TYPE: MONOPINE

Issued For:

GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

PREPARED FOR

at&t
2600 Camino Ramon, 4W850 H
San Ramon, California 94583

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:

No. 84674
CRAIG W. HOMER

Engineer:

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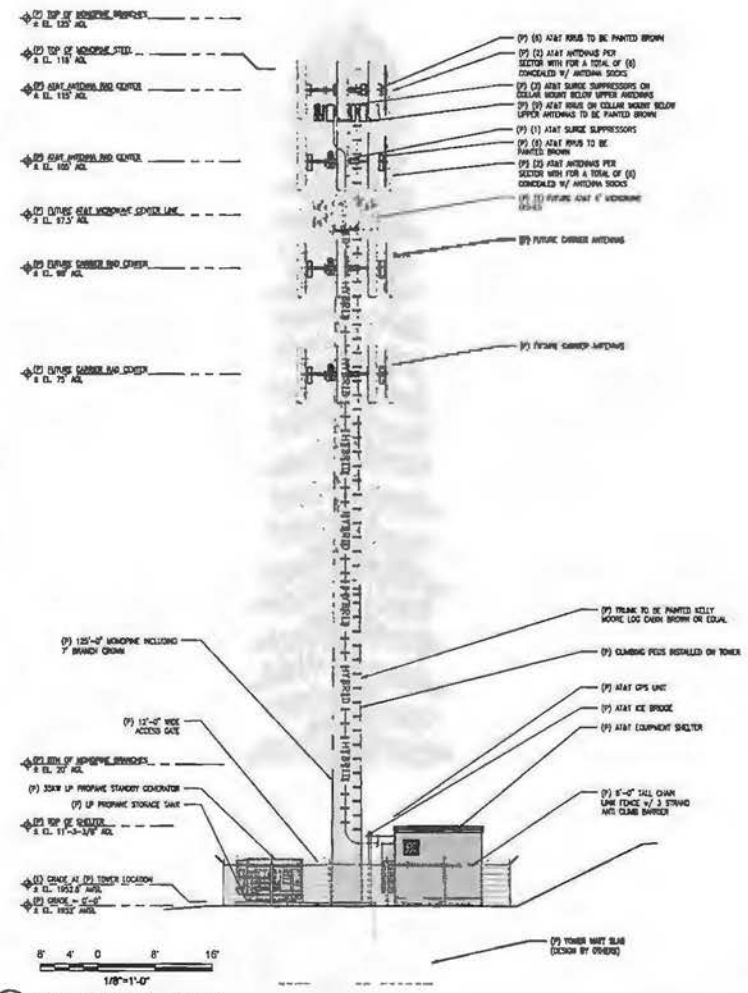
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhomer@yahoo.com

SHEET TITLE:
ANTENNA PLAN & DETAILS

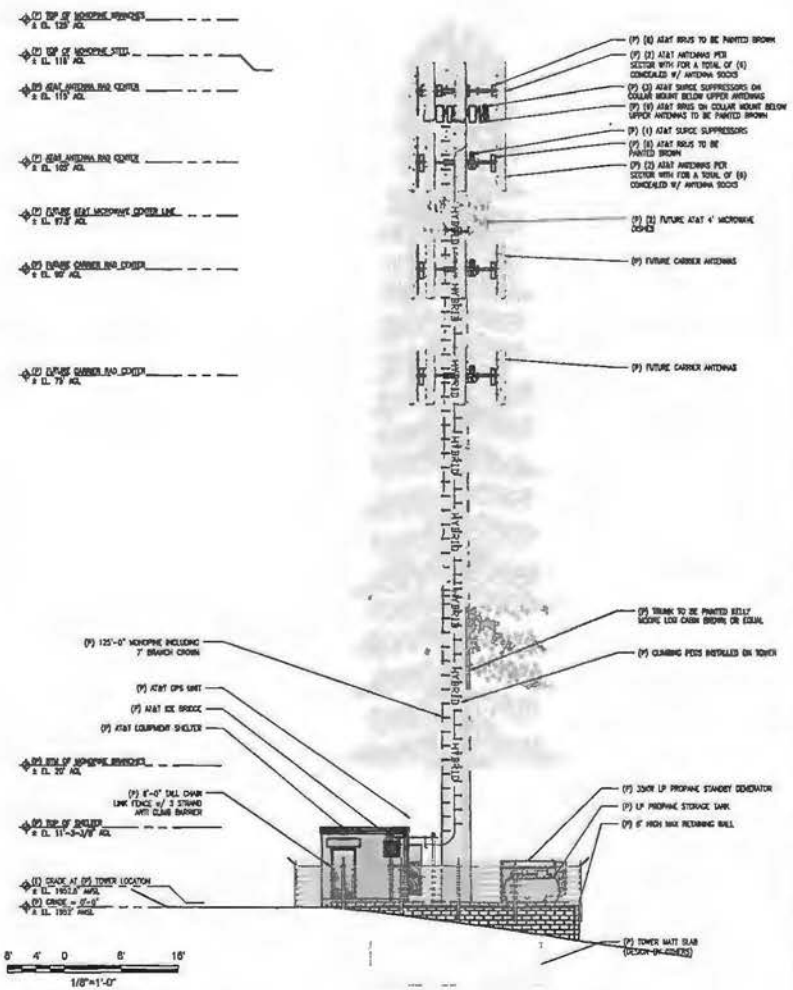
SHEET NUMBER:
A-3

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



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

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



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

SITE TYPE: MONOPINE/SHELTER

Issued For

GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

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

EPIC
WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO:	13787674
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:
No. 84674

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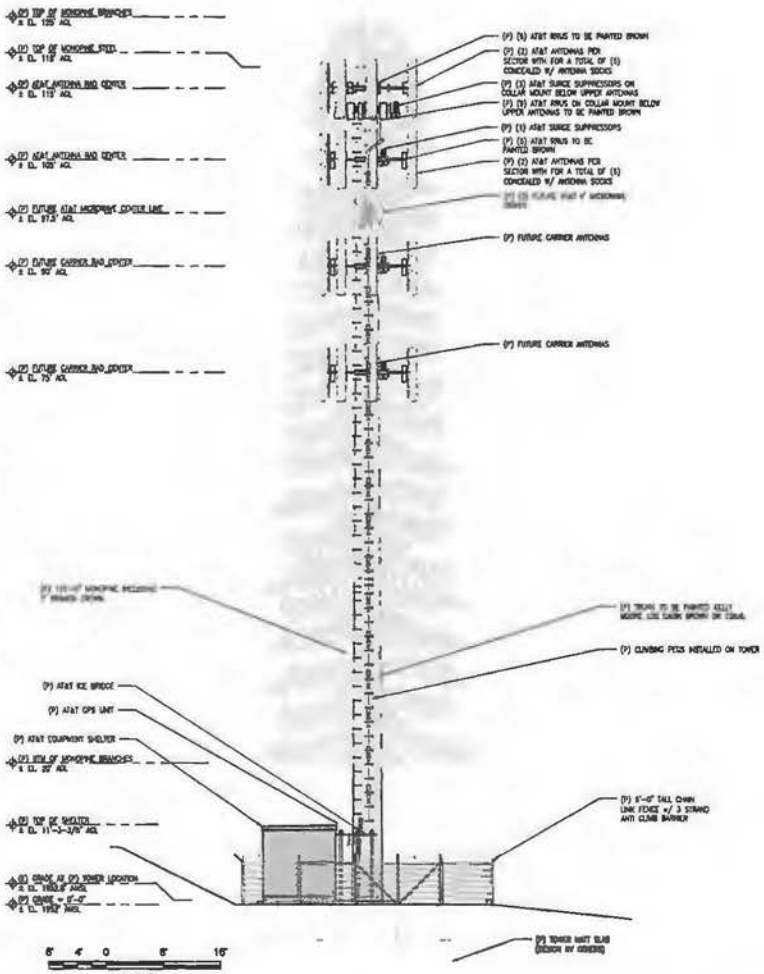
214-407-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE NORTH - SOUTH ELEVATION

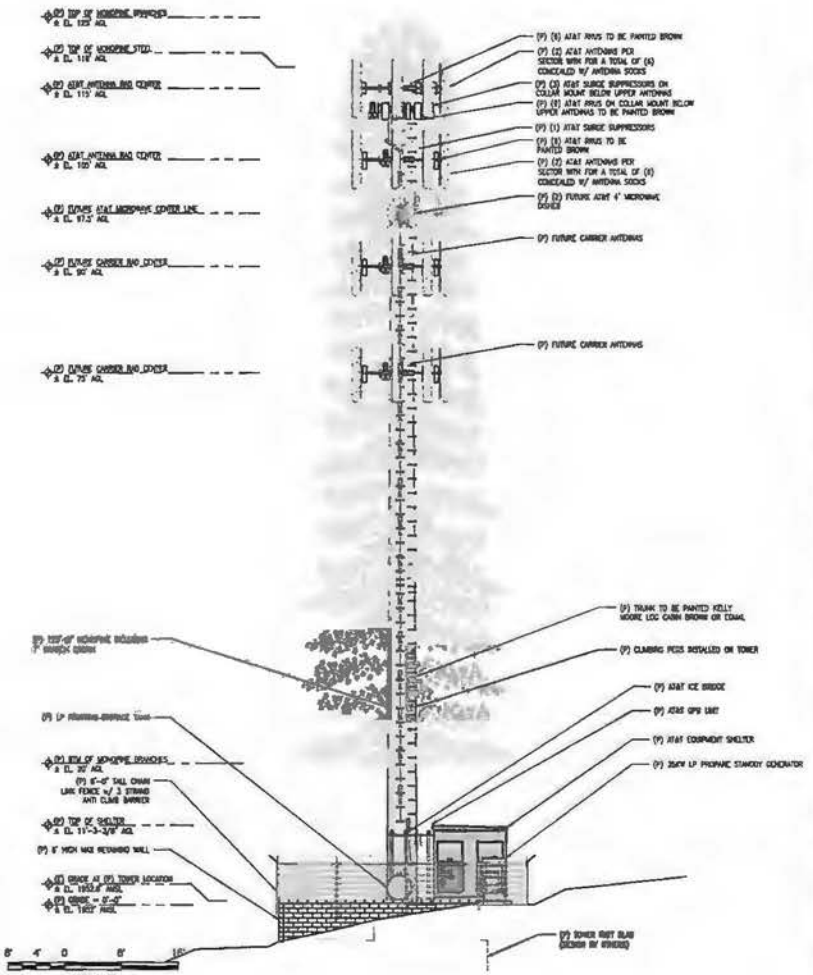
SHEET NUMBER:
A-4.1

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



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

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



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

SITE TYPE: MONOPINE/SHELTER

Prepared for:
GREENWOOD
666 COURAGEOUS COURT
GREENWOOD, CA 95635

PREPARED FOR
at&t
2600 Camino Ramon, 4W650 N
San Ramon, California 94583

EPIC WIRELESS GROUP

AT&T SITE NO:	CVL03061
PROJECT NO.	13787674
DRAWN BY:	CES
CHECKED BY	CES

4		
3		
0	07/11	

Licensor:
No. 84674

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
WEST - EAST ELEVATION

SHEET NUMBER
A-4.2

Site 6-Exhibit G

Existing

Proposed

EL D... GL NTY
PLANNING COMMISSION
DATE January 25, 2018
BY Roger Trout /dre
EXECUTIVE SECRETARY

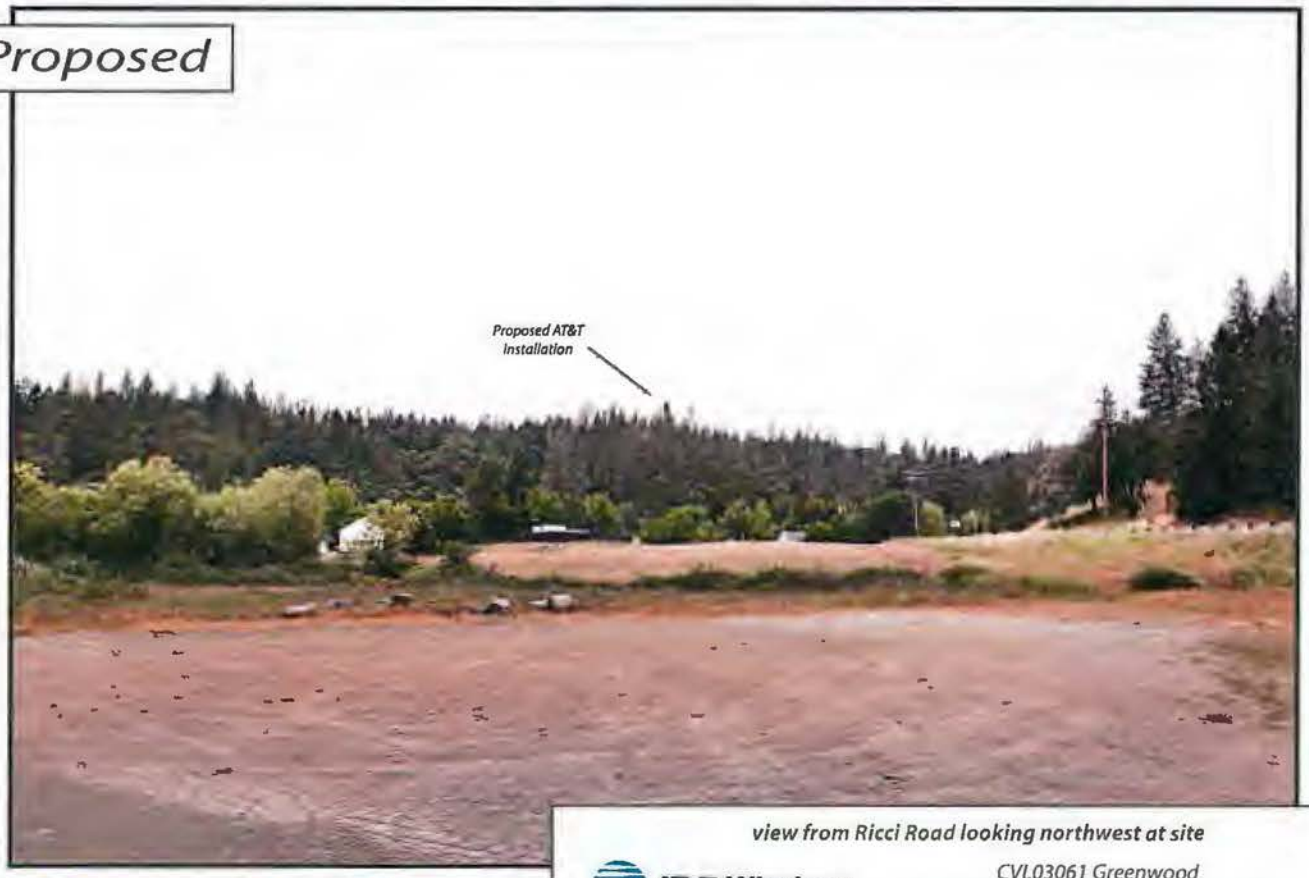
view from Georgetown Road looking southwest at site

AT&T Wireless

CVL03061 Greenwood
666 Couragous Court, Greenwood, CA
Photosims Produced on 5-26-2017

Existing

Proposed



view from Ricci Road looking northwest at site

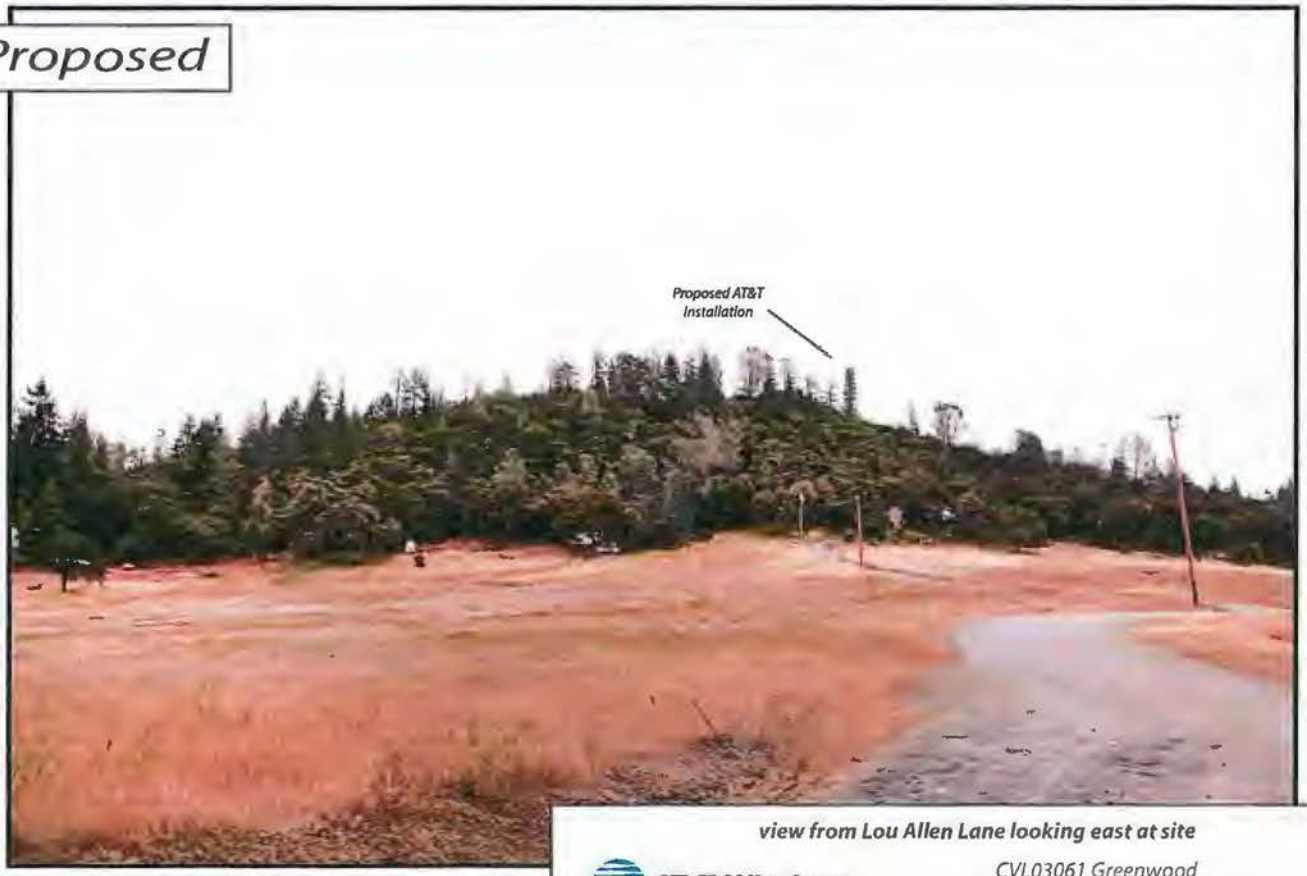
AT&T Wireless

CVL03061 Greenwood
666 Couragous Court, Greenwood, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

Proposed



view from Lou Allen Lane looking east at site

AT&T Wireless

CVL03061 Greenwood
666 Couragous Court, Greenwood, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing

Proposed

view from Couragous Road looking south at site

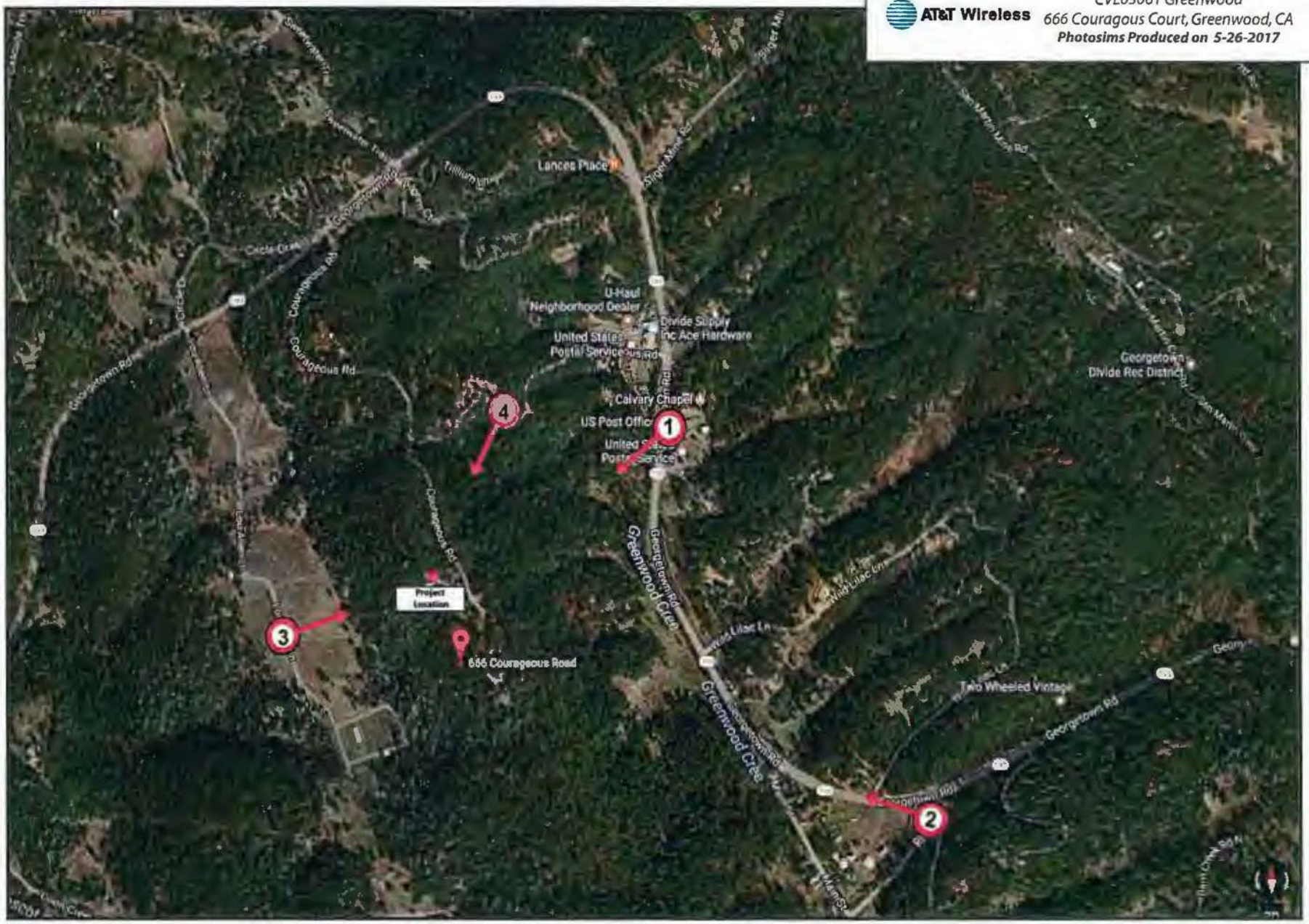
AT&T Wireless

CVL03061 Greenwood
666 Couragous Court, Greenwood, CA
Photosims Produced on 5-26-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

AT&T Wireless

CVL03061 Greenwood
666 Courageous Court, Greenwood, CA
Photosims Produced on 5-26-2017



AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Shot Point Map

DATE January 25, 2018
BY Roger Trout/dre

Site 6-Exhibit I

WATERFORD
COMPLIANCE...FROM START TO SIGNAL

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name:	**Greenwood**	**Site Structure Type:**	**Monopine**
Address:	**666 Courageous Court**	**Latitude:**	**38.902876**
	Greenwood, CA	**Longitude:**	**-120.923411**
Report Date:	**May 30, 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 Greenwood site located at 666 Courageous Court, Greenwoodm, 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)	*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.

Waterford Consultants, LLC • 201 Loudoun Street Southeast Suite 300 • Leesburg, Virginia 20175 • 703.596.1022

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) panel antennas, four (4) per Alpha, Beta, Gamma Sectors
- Add twenty one (21) RRUS

The antennas will be mounted on a 125-foot monopine with centerlines at 105 and 115 feet above ground level. The antennas will be oriented toward 0, 240 and 120 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 25,869 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 1.2470% of the FCC General Population limits (0.2494% 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 0.0930% of the FCC General Population limits (0.0186% 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

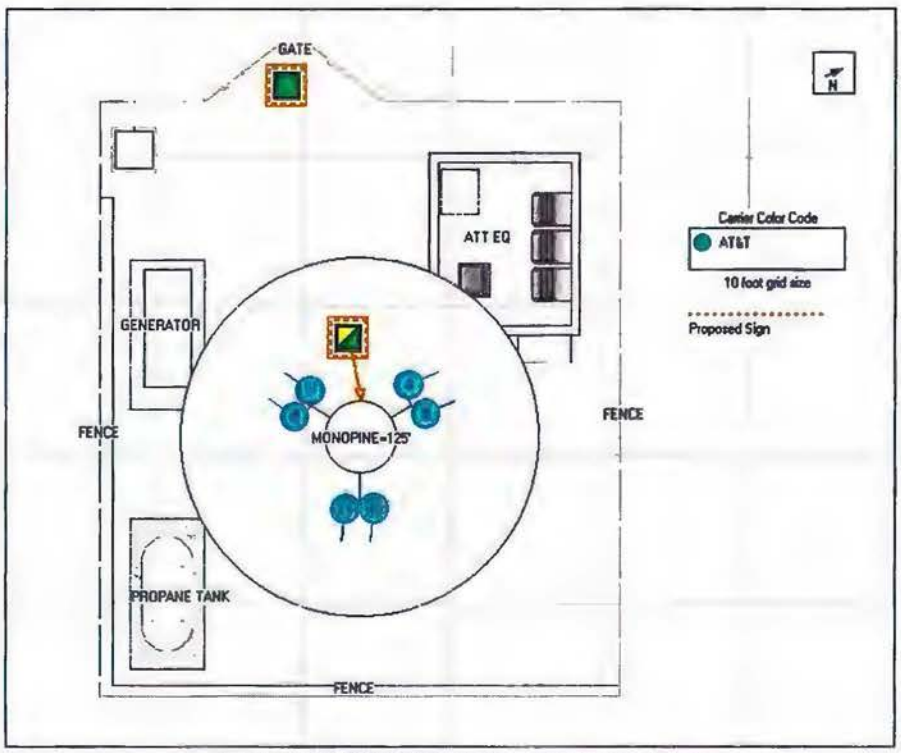


Figure 2: Mitigation Recommendations

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 666 Courageous Court, Greenwood, 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.