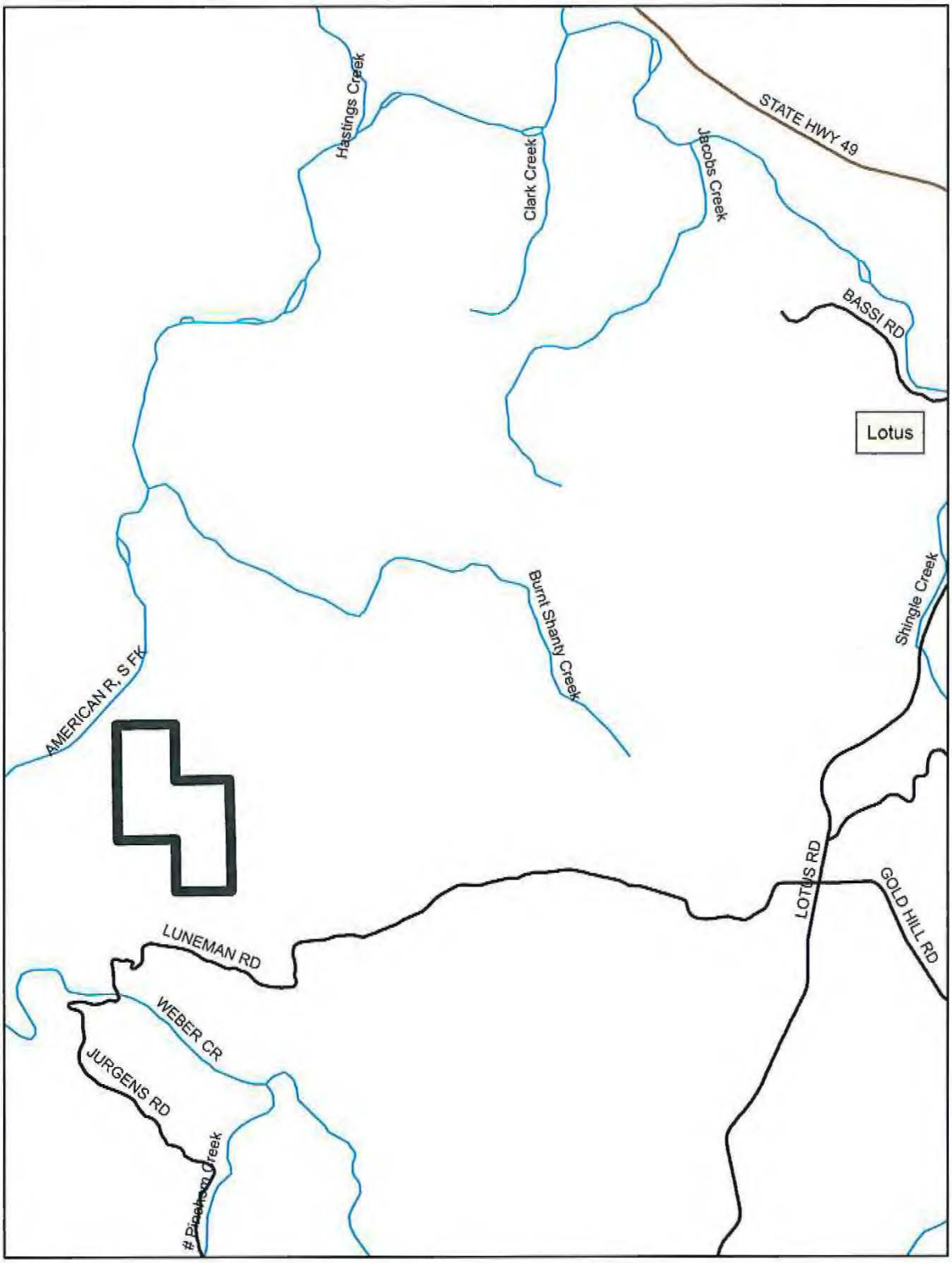


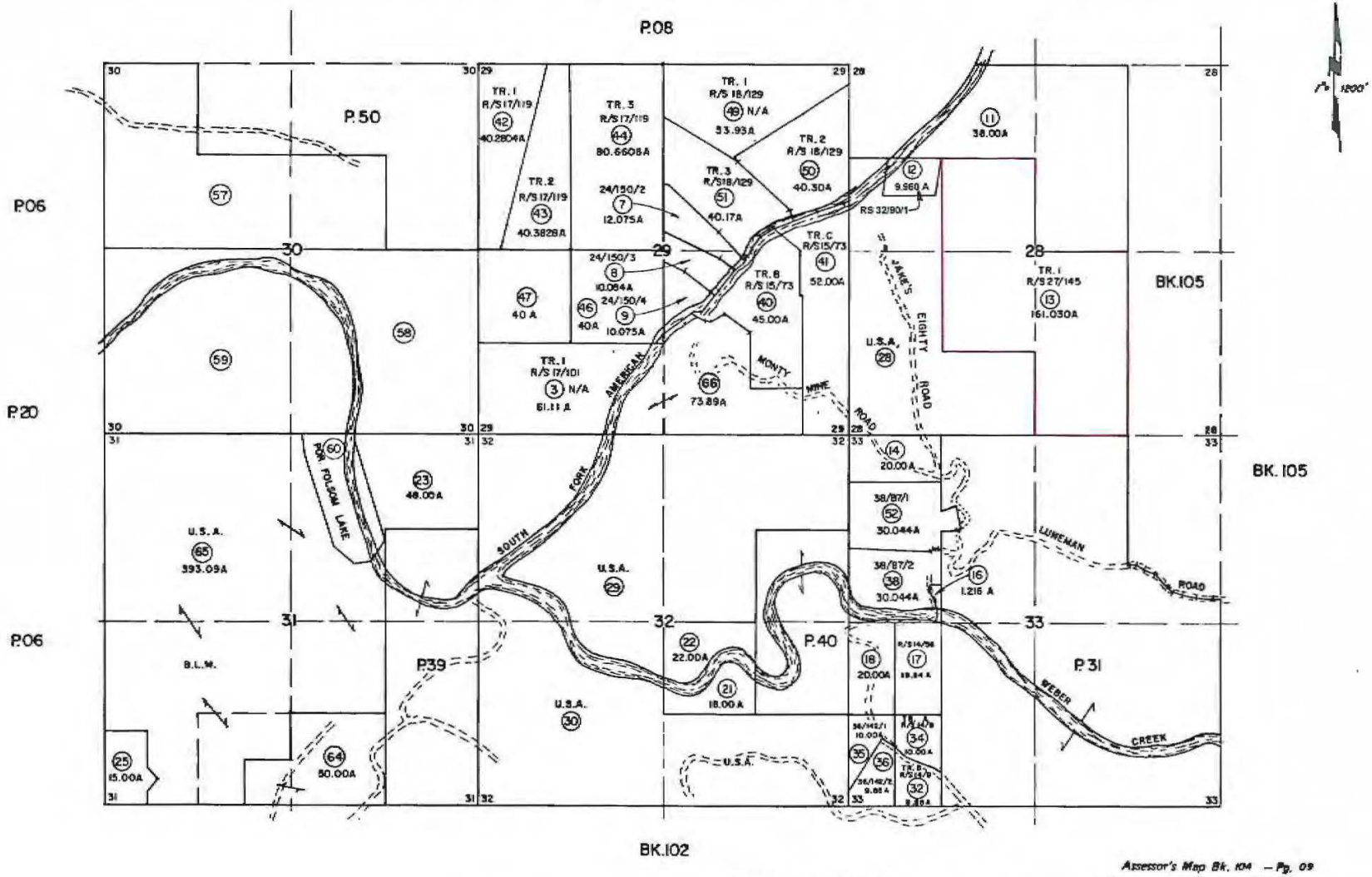
CUP18-0014/AT&T CAFII Lotus
Location Map
Exhibit A

Lotus_Project_Parcel

0 0.5 1 2 Miles

SECS. 28 THRU 33., T.11N., R.9E., M.D.M.

Tax Area Code 104:09

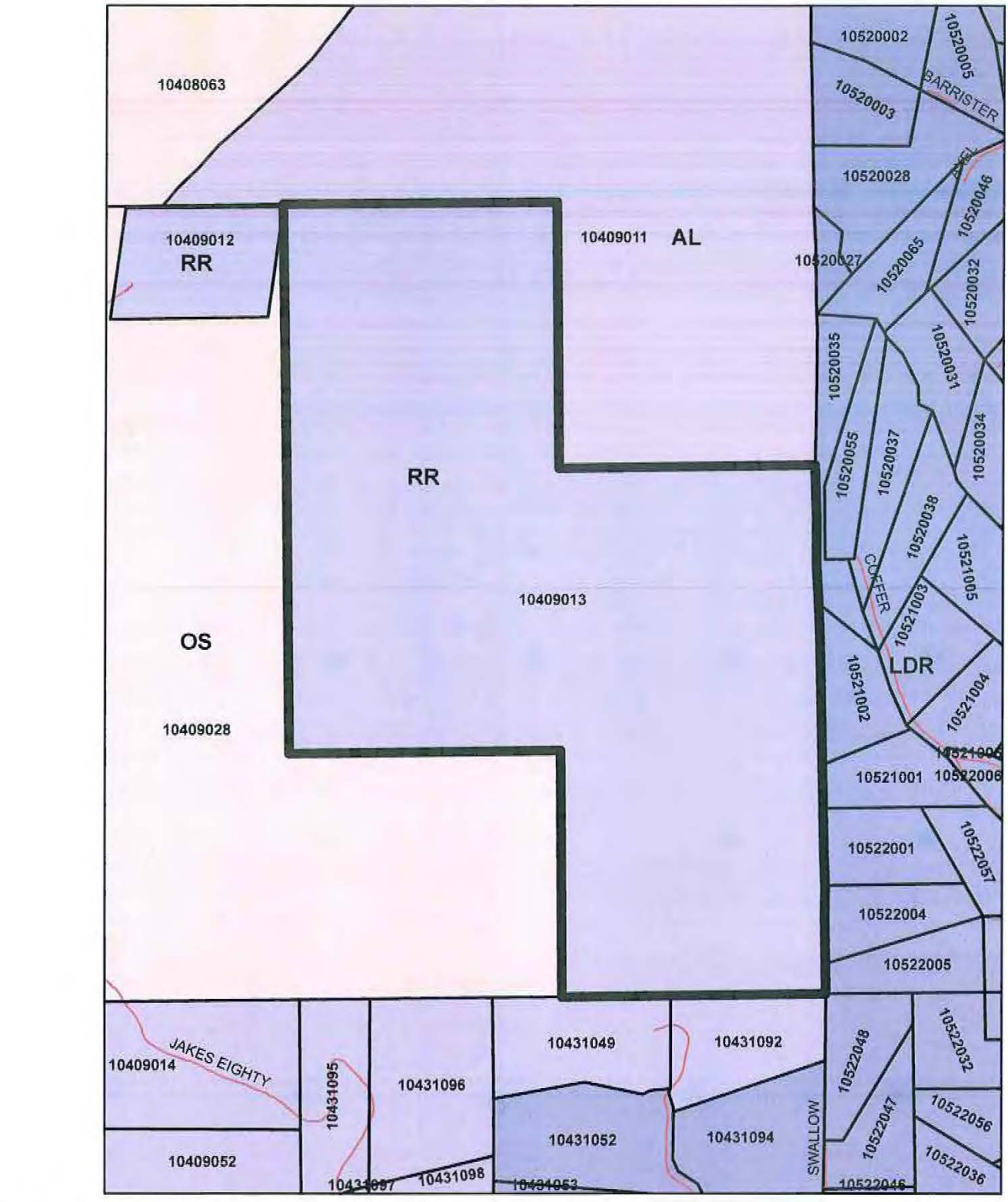


NOTE – Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

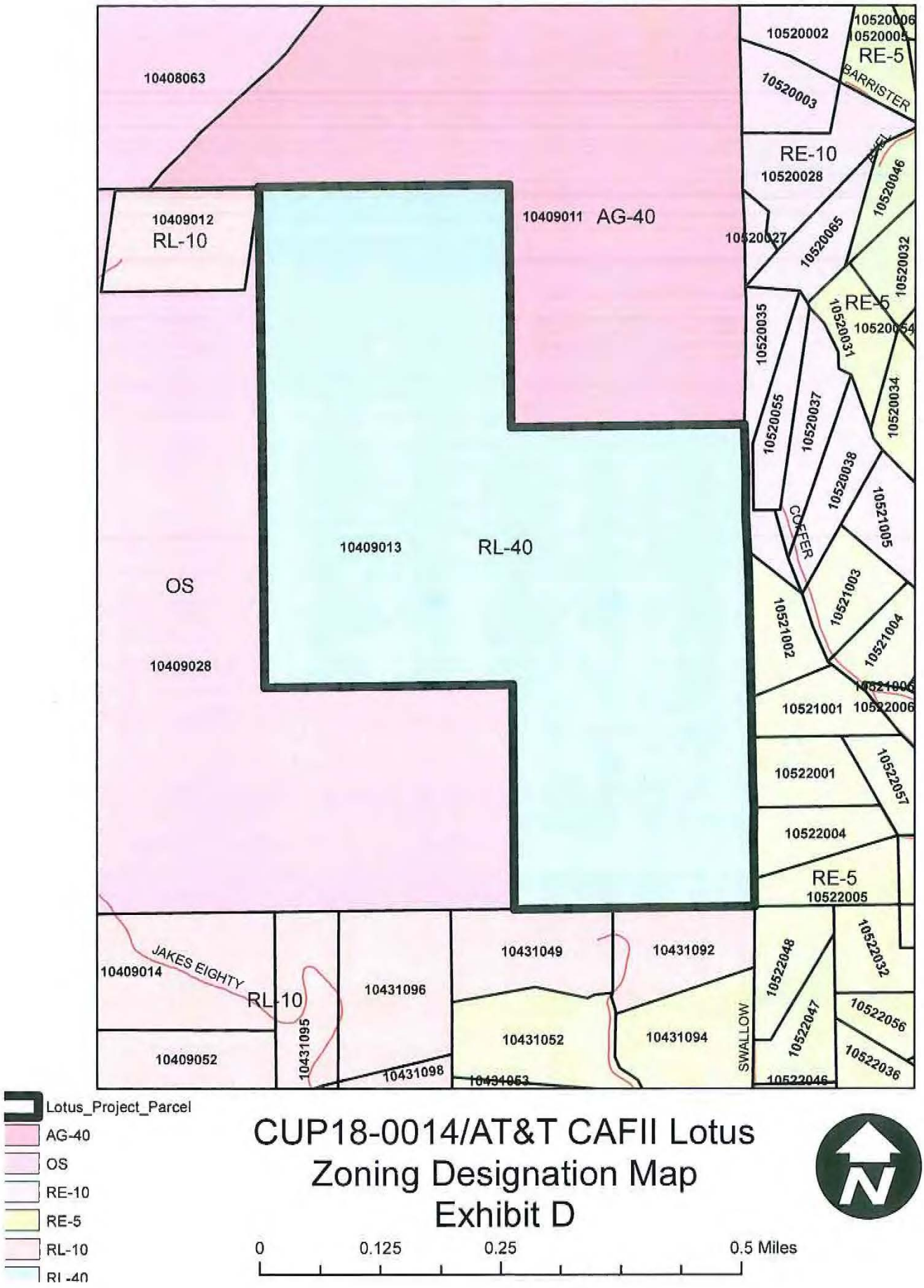
Assessor's Map Bk. 104 – Pg. 09
County of El Dorado, California

Exhibit B

REV. 11/8/2010



CUP18-0014/AT&T CAFII Lotus
General Plan Land Use Designation Map
Exhibit C


10408063
10409012
RL-10
10409011
AG-40
10409013
RL-40
OS
10409028
10409014
JAKES EIGHTY
RL-10
10409052
10431095
10431096
10431098
10431049
10431092
10431052
10431094
10431053
SWALLOW
10520002
10520006
10520005
RE-5
BARRISTER
10520003
RE-10
10520028
10520027
10520065
10520046
10520032
RE-5
10520054
10520031
10520035
10520055
10520037
10520038
10520034
COFFER
10521005
10521003
10521002
10521004
10521006
10521001
10522006
10522001
10522057
10522004
RE-5
10522005
10522048
10522032
10522047
10522056
10522036
10522046
Lotus_Project_Parcel
AG-40
OS
RE-10
RE-5
RL-10
RL-40
CUP18-0014/AT&T CAFII Lotus
Zoning Designation Map
Exhibit D
0
0.125
0.25
0.5 Miles
N

Lotus_Project_Parcel

CUP18-0014/AT&T CAFII Lotus
Aerial Map
Exhibit E

0 0.125 0.25 0.5 Miles

SITE NUMBER: CVL03140

SITE NAME: LOTUS

2002 COFFER LANE
PLACERVILLE, CA 95667
JURISDICTION: ELDORADO COUNTY

SITE TYPE: MONOPINE/SHELTER

PROJECT DESCRIPTION

PROPOSED SITE BUILD: UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. CHANGE ACCESS IMPROVEMENT @ SITE LOCATION
3. ACTIVATE FENCED LEASE AREA
4. INSTALL (C3) APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED EXTERIOR EQUIPMENT
5. ADD (3) PROPOSED RFS UNITS
6. ADD 120'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (24) PROPOSED RRUS & (4) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VINYL SLATS
11. ADD 50kW AC DIESEL GENERATOR WITH ATTACHED 180 GALLON 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 1115-203.4

OCCUPANCY AND CONSTRUCTION TYPE

OCCUPANCY: U (UNMANNED)

CONSTRUCTION TYPE: V-B

PROJECT INFORMATION

PROPERTY INFORMATION:
SITE NAME: LOTUS
SITE NUMBER: CVL03140

SEARCH RING: LOTUS
FA# 13787644
SITE ADDRESS: 2002 COFFER LANE
PLACERVILLE, CA 95667

A.P.N. NUMBER: 104-090-13-100
CURRENT USE:

PROPOSED USE: (U) UNMANNED TELECOMMUNICATION FACILITY

JURISDICTION: ELDORADO COUNTY

LATITUDE: N 38° 45' 27.67"

LONGITUDE: W 120° 58' 31.63"

GROUND ELEVATION: ±1344.3 FT. AMSL

PROPERTY OWNER:
CARLSON RESIDENTIAL LLC.
1833 IRON POINT ROAD #140
FOLSOM, CA 95630

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 10-17-2018, ISSUE 1.0
REVISION 1.00.00

VICINITY MAP

NOT TO SCALE

PROJECT TEAM

APPLICANT / LESSEE:
AT&T
3001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

RF ENGINEER:
AT&T CONTACT: ASAD SHAHBAZ
EMAIL: MS4SHAHBAZ.COM
PH: (646) 310-2573

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) 759-1328

CONSTRUCTION MGR.:
COMPANY: EPIC WIRELESS
CONTACT: ANDREW MEDINA
EMAIL: ANDREW.MEDINA@EPICWIRELESS.NET
PH: (530) 574-4721

A&E DESIGN GROUP:
COMPANY: EPIC WIRELESS
CONTACT: CARL SYLVESTER
CARL.SYLVESTER@EPICWIRELESS.NET
PH: (530) 903-2760

ARCHITECT/ENGINEER:
ADAPTIVE RE-USE ENGINEERING
CONTACT: CRAIG HORNER, PE 84674
EMAIL: CRAIGHORNERPE@YAHOO.COM
PH: (214) 401-3184

CIVIL VENDOR:
KNUDSEN OH
CONTACT: CHRIS BYERS
EMAIL: CBEYERS@KNUDSENCIVIL.COM
PH: (530) 575-2315

DIRECTIONS FROM AT&T

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

2600 CAMINO RAMON
SAN RAMON, CA 94583

1. 2600 CAMINO RAMON, SAN RAMON, CA 94583
2. DEPART CAMINO RAMON TOWARD BISHOP DR 0.3 MI
3. TURN RIGHT ONTO BOLLINGER CANYON RD 0.4 MI
4. USE RAMP RIGHT FOR I-680 NORTH TOWARD SACRAMENTO 30.1 MI
5. USE RAMP RIGHT FOR I-80 EAST TOWARD SACRAMENTO 101.4 MI
6. KEEP STRAIGHT ONTO I-80 E 38 / US-50 E 5.2 MI
7. KEEP STRAIGHT ONTO US-50 E 31.8 MI
8. AT EXIT 37, TAKE RAMP RIGHT FOR N. SHINGLE RD / POLLOCK ROAD TOWARD MOTHER LODE DR 0.3 MI
9. TURN LEFT ONTO S SHINGLE RD / PONDEROSA RD 0.2 MI
10. TURN RIGHT ONTO N SHINGLE RD 4.0 MI
11. KEEP STRAIGHT ONTO GREEN VALLEY RD 0.8 MI
12. KEEP STRAIGHT ONTO LOTUS RD 1.8 MI
13. BEAR LEFT ONTO SPRINGVALE RD 1.3 MI
14. BEAR LEFT ONTO JEREMIAH RD 1.8 MI
15. TURN RIGHT ONTO E EL DORADO DR 0.8 MI
16. ROAD NAME CHANGES TO COFFER LN 0.2 MI

2002 COFFER LANE
PLACERVILLE, CA 95667

SPECIAL INSPECTIONS

APPROVALS

APPROVED BY:	NOTES	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		SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY
C-3		SITE SURVEY (BY OTHERS) FOR REFERENCE ONLY
C-3.1		EROSION CONTROL NOTES
C-3.2		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

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

LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667

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

EPIC WIRELESS GROUP, LLC

AT&T SITE NO:	CVL03140
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
0	11/29/18	90%
A	12/10/18	100%
1	12/19/18	INCORPORATE COMMENTS

License:
No. 84674
CIVIL
STATE OF CALIFORNIA

Engineer:
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-401-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighornerpe@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 PROPOSED 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

[illegible]

SYMBOLS LEGEND

BLDG. SECTION / PROJ. SECTION

WALL SECTION

DETAIL

ELEVATION

DOOR SYMBOL

WINDOW SYMBOL

TILT-UP PANEL MARK

PROPERTY LINE

CENTERLINE

ELEVATION DATUM

GRID/COLUMN LINE

KEYNOTE, DIMENSION ITEM

KEYNOTE, CONSTRUCTION ITEM

WALL TYPE MARK

ROOM NAME / ROOM NUMBER

BRICK

(E) MASONRY

CONCRETE

EARTH

GRAVEL

PLYWOOD

SAND

(E) STEEL

MATCH LINE

GROUND CONDUCTOR

OVERHEAD SERVICE CONDUCTORS

TELEPHONE CONDUIT

POWER CONDUIT

POWER/TELCO CONDUIT

COAXIAL CABLE

HYBRID CABLE

CHAIN LINK FENCE

WOOD FENCE

EXISTING FLOW LINE

PROPOSED FLOW LINE

FIBER ROLL

SILT FENCE

(P) ANTENNA

(P) RRU

(P) DC SURGE SUPPRESSION

(E) ANTENNA

(P) RRU

(E) EQUIPMENT

Issued For:

LOTUS

2002 COFFER LANE

PLACERVILLE, CA 95667

PREPARED FOR

at&t

EPIC WIRELESS GROUP LLC

AT&T SITE NO:	CVL03143
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

Licensure:

Engineer:

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

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

GN-1

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

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

DATE OF SURVEY: 10-03-18

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803

LOCATED IN THE COUNTY OF EL DORADO, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.

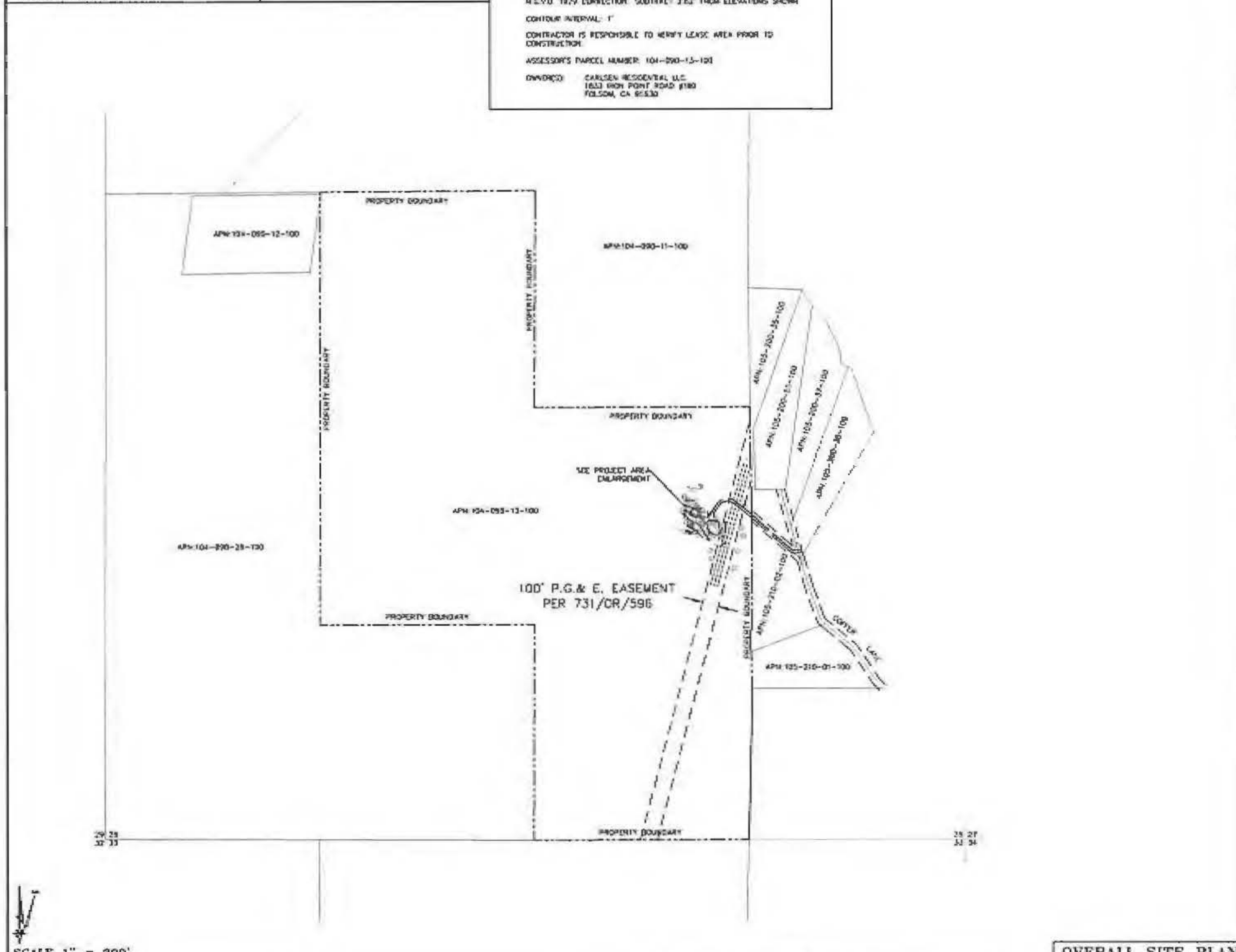
N.G.V.D. 1929 CORRECTION: "SUBTRACT 3.62" FROM ELEVATIONS SHOWN

CONTOUR INTERVAL: 1'

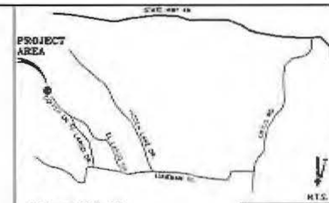
CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.

ASSESSOR'S PARCEL NUMBER: 104-090-13-100

OWNER(S): CARLSEN RESIDENTIAL LLC
1653 IRON POINT ROAD #180
FOLSOM, CA 95630



OVERALL SITE PLAN



VICINITY MAP

Geil Engineering
Engineering * Surveying * Planning
1225 High Street
Auburn, California 95603-5015
Phone: (530) 885-2426 * Fax: (530) 823-1309

AT&T Mobility

Project No./Name: CVL03140 / LOTUS

Project Site Location: 2002 Coffer Lane
Placerville, CA 95667
El Dorado County

Date of Observation: 10-03-18

Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.

Type of Antenna Mount: Proposed Monopine Tower

Coordinates (Tower)
Latitude: N 38° 46' 27.67" (NAD83) N 38° 46' 28.03" (NAD27)
Longitude: W 120° 58' 31.05" (NAD83) W 120° 58' 27.84" (NAD27)

ELEVATION of Ground at Structure (NAVD88) 1286' AMSL

CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of these elevations meet or exceed 1-A Standards as defined in the FAA ASAC Information Sheet 91:003, and that they are true and accurate to the best of my knowledge and belief.

Kenneth D. Geil California RCE 14803

Lease Area Description:

All that certain lease area being a portion of the Tract 1 as is shown on that certain Record of Survey filed for record at Book 37 of Record of Surveys, Page 145, El Dorado County Records, located in the County of El Dorado, State of California, and being a portion of Section 28, Township 11 N., Range 9 E., M.D.B.& M. and being more particularly described as follows:

Commencing at a found 1-1/2" CIP stamped LS3735 set on the North line of Coffer Lane from which a similar monument bears South 00°29'53" East 87.02 feet; thence from said point of commencement South 87°52'12" West 320.11 feet to the True Point of Beginning; thence from said point of beginning North 62°38'57" West 45.00 feet; thence South 37°21'03" West 40.00 feet; thence South 62°38'57" East 45.00 feet; thence North 27°21'03" East 40.00 feet to the point of beginning.

Together with a non-exclusive easement for access and utility purposes fifteen feet in width the centerline of which is described as follows: beginning at a point which bears North 27°21'03" East 13.83 feet from the most Southerly corner of the above described lease area and running thence South 62°38'57" East 5.00 feet to a point hereafter defined as Point "A"; thence continuing South 62°38'57" East 29.03 feet; thence through a tangent curve to the left having a radius of 37.50 feet through an arc distance of 34.90 feet; thence tangent to last curve North 55°55'59" East 80.45 feet; thence through a tangent curve to the right having a radius of 73.00 feet through an arc distance of 118.03 feet; thence tangent to last curve South 53°25'41" East 47.21 feet; thence South 52°08'25" East 59.67 feet; thence South 47°42'52" East 87.71 feet; thence South 45°25'11" East 124.72 feet; thence South 47°51'48" East 56.14 feet; thence South 51°01'45" East 34.75 feet; thence South 53°50'09" East 26.59 feet; thence North 85°53'51" East 32.59 feet; thence North 82°25'35" East 25.23 feet; thence North 83°20'35" East 25.2 feet more or less to the public right of way more commonly known as Coffer Lane and joint utility pole.

Also together with a non-exclusive easement for utility purposes ten feet in width the centerline of which is described as follows: beginning at Point "A" as previously defined and running thence North 27°21'03" East 26.17 feet.

GEIL ENGINEERING

at&t MOBILITY

CVL03140
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667
PLOT PLAN AND
SITE TOPOGRAPHY

DEPT | APPROVED | DATE
A&C
RE
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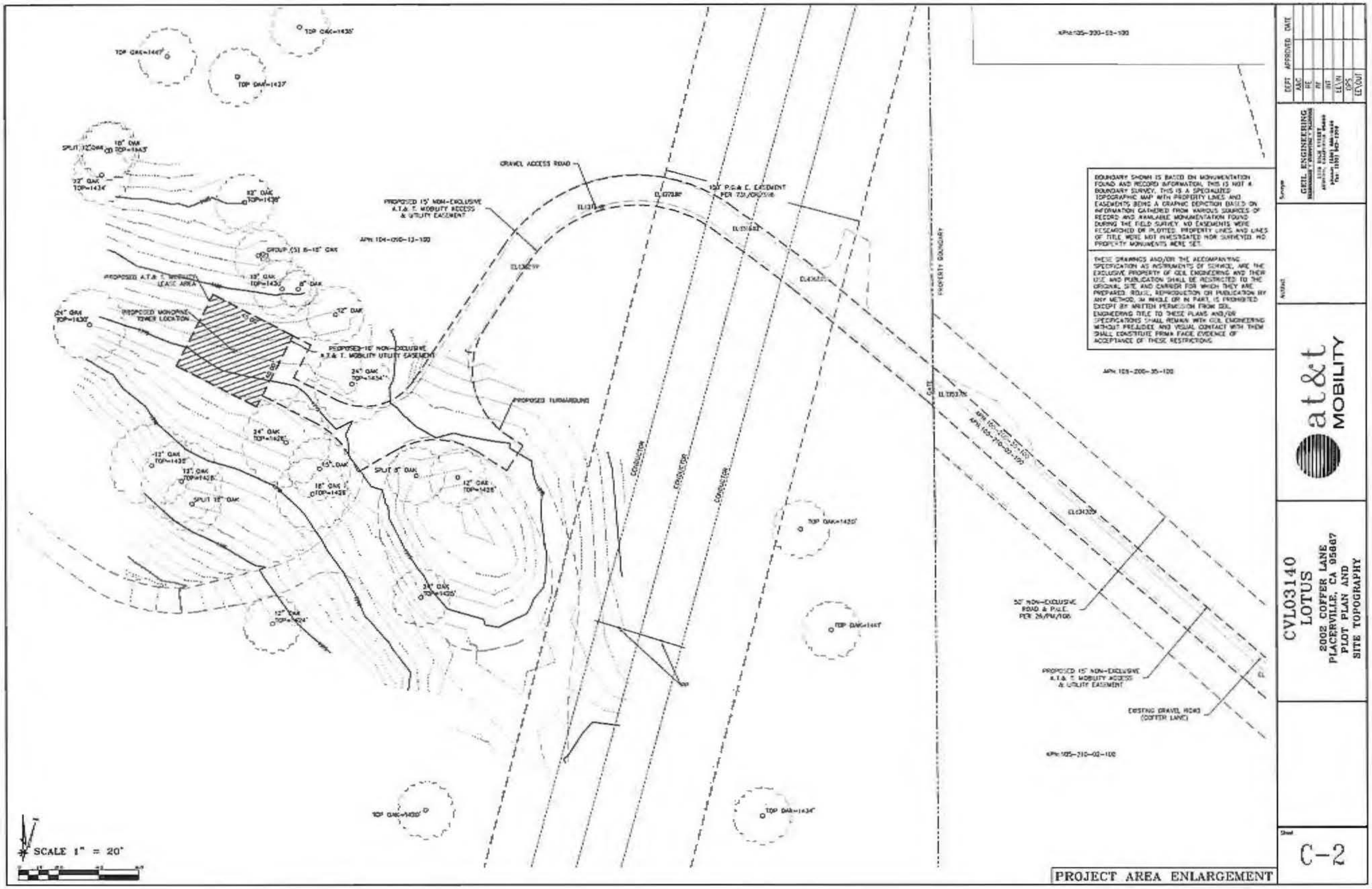
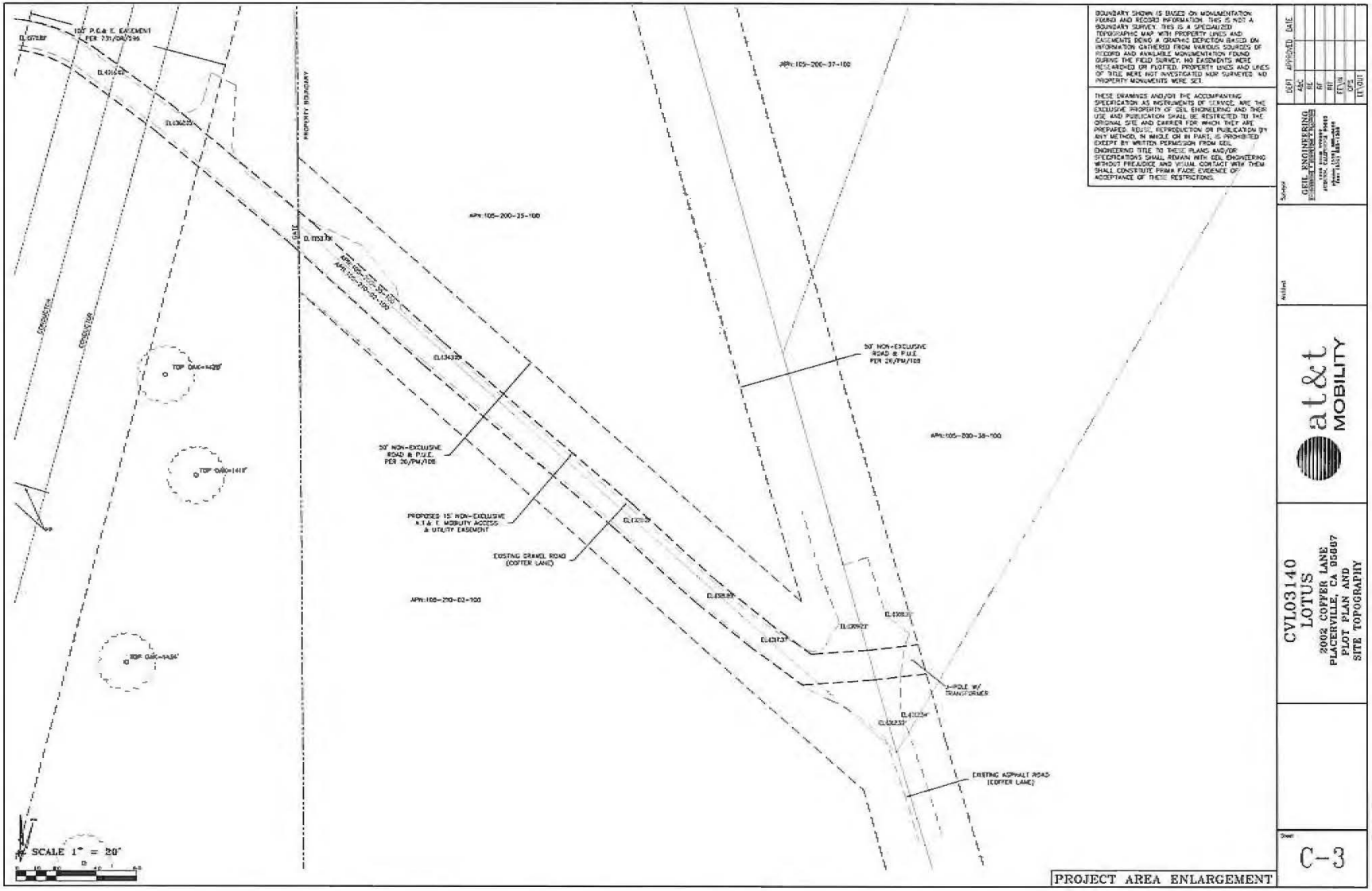
REVISIONS
REV | 10-04-18 | PRELIMINARY DRAWING
REV | 11-13-18 | LEASE AREA MOD

Sheet
C-1


GRAVEL ACCESS ROAD
PROPOSED 15' NON-EXCLUSIVE A.T.& T. MOBILITY ACCESS & UTILITY EASEMENT
APN 104-090-13-100
PROPOSED A.T.& T. MOBILITY LEASE AREA
PROPOSED MONOPINE TOWER LOCATION
PROPOSED 10' NON-EXCLUSIVE A.T.& T. MOBILITY UTILITY EASEMENT
PROPOSED TURNAROUND
GROUP (5) 8-10" OAK
24" OAK TOP=1430'
24" OAK TOP=1434'
24" OAK TOP=1428'
SPLIT 8" OAK
CONDUCTOR
CONDUCTOR
CONDUCTOR
PROPERTY BOUNDARY
GATE
BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.
THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
APN 105-200-35-100
APN 105-210-02-100
PROPOSED 15' NON-EXCLUSIVE A.T.& T. MOBILITY ACCESS & UTILITY EASEMENT
EXISTING GRAVEL ROAD (COFFER LANE)
SCALE 1" = 20'
DEPT APPROVED DATE
GEIL ENGINEERING
at&t MOBILITY
CVL03140
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667
PLOT PLAN AND
SITE TOPOGRAPHY
C-2
PROJECT AREA ENLARGEMENT


BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.
THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIED FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
DEPT APPROVED DATE
ASC
RE
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at&t MOBILITY
CVL03140
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667
PLOT PLAN AND
SITE TOPOGRAPHY
C-3
PROJECT AREA ENLARGEMENT
SCALE 1" = 20'
PROPERTY BOUNDARY
APN:105-200-35-100
APN:105-200-37-100
APN:105-200-38-100
APN:105-210-02-100
50' NON-EXCLUSIVE ROAD & P.U.E. PER 26/PM/108
PROPOSED 15' NON-EXCLUSIVE A.T.&.T. MOBILITY ACCESS & UTILITY EASEMENT
EXISTING GRAVEL ROAD (COFFER LANE)
EXISTING ASPHALT ROAD (COFFER LANE)
POLE W/ TRANSFORMER
TOP OAK=1429'
TOP OAK=1418'
TOP OAK=1434'

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:

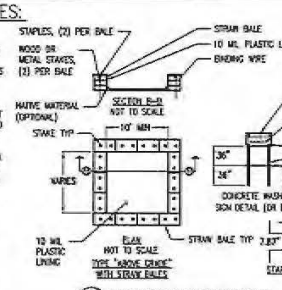
1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO [E] CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL. FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT 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 PROPOSED DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
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.

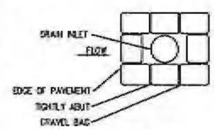
STORM WATER QUALITY NOTES:

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.

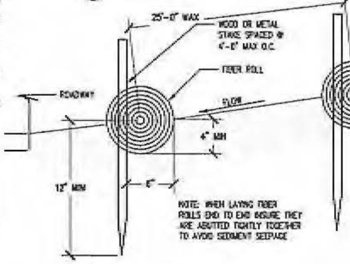


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

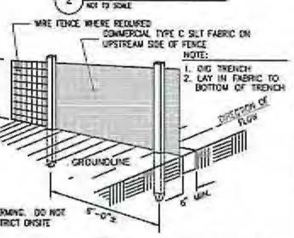
(1) CONCRETE WASHOUT DETAIL
NOT TO SCALE



(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 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.

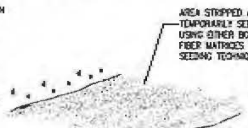
POSTS: STEEL EITHER T OR U TYPE OR 4" HARDWOOD. MINIMUM LENGTH - 5 FEET

FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.

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



STRAW MULCHING:
1. FOR AREAS OF SITE WITH LESS THAN 30% SLOPE: 2-3 BALES OF STRAW EQUALS 2-4 INCHES OF STRAW MULCH OVER 1000 SQUARE FEET.
2. RYE & BLANDO BROME 50/50 2LB-5LB SEED AND STRAW MULCH OR EQUIV. SHALL BE WEED FREE.

SEEDING MAY BE USED ONLY BETWEEN APRIL 1 AND JUNE 30, AND SEPTEMBER 1 AND OCTOBER 31.

SEEDING MIXTURES			
NAME	PROPORTIONS BY WEIGHT	% PURITY	% GERMINATION
REDTOP (AGROSTIS ALBA)	10%	92	90
ANNUAL RYE (LOLIUM MULTIFLORUM)	40%	98	90
CHEWINGS FESCUE (FETUCA RUBRA COMMUTATA)	40%	97	80
WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	40%	96	90

TO PROVIDE TEMPORARY SOIL STABILIZATION BY PLANTING GRASSES AND LEGUMES TO AREAS THAT WOULD REMAIN BARE FOR MORE THAN 7 DAYS WHERE PERMANENT COVER IS NOT NECESSARY OR APPROPRIATE.

(5) TEMP SEEDING AND MULCHING
NOT TO SCALE

ISSUED FOR:
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667

PREPARED FOR
at&t

EPIC WIRELESS GROUP LLC

AT&T SITE NO:	CVL03140
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

REV | DATE | DESCRIPTION

LICENSE: No. 84674 CIVIL STATE OF CALIFORNIA

Engineer:
ADAPTIVE RE-USE ENGINEERING
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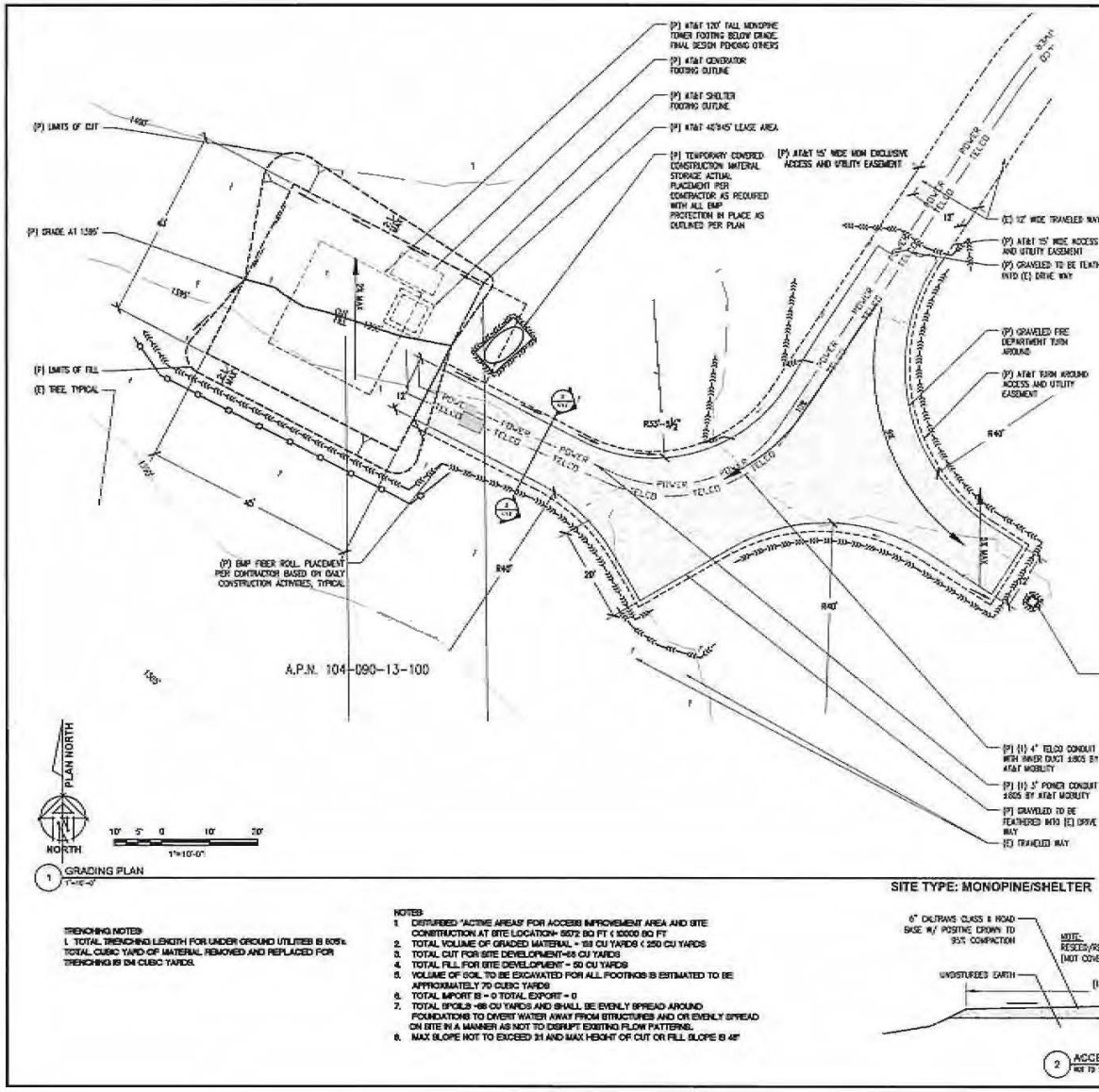
SACRAMENTO, CA 95821
craigmhomer@yahoo.com

SHEET TITLE:
EROSION CONTROL NOTES

SHEET NUMBER:
C-3.1



1 GRADING PLAN
1"=10'-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 NEAREST 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.

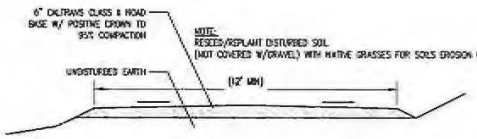
LEGEND

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

SITE TYPE: MONOPINE/SHELTER

TRENCHING NOTES:
1. TOTAL TRENCHING LENGTH FOR UNDER GROUND UTILITIES IS 605'±.
TOTAL CUBIC YARD OF MATERIAL REMOVED AND REPLACED FOR TRENCHING IS 134 CUBIC YARDS.

NOTES:
1. DISTURBED "ACTIVE AREAS" FOR ACCESS IMPROVEMENT AREA AND SITE CONSTRUCTION AT SITE LOCATION= 5572 SQ FT (10000 SQ FT
2. TOTAL VOLUME OF GRADED MATERIAL = 158 CU YARDS (250 CU YARDS
3. TOTAL CUT FOR SITE DEVELOPMENT=68 CU YARDS
4. TOTAL FILL FOR SITE DEVELOPMENT = 50 CU YARDS
5. VOLUME OF SOIL TO BE EXCAVATED FOR ALL FOOTINGS IS ESTIMATED TO BE APPROXIMATELY 70 CUBIC YARDS
6. TOTAL IMPORT IS = 0 TOTAL EXPORT = 0
7. TOTAL SPOILS =68 CU YARDS AND SHALL BE EVENLY SPREAD AROUND FOUNDATIONS TO DIVERT WATER AWAY FROM STRUCTURES AND OR EVENLY SPREAD ON SITE IN A MANNER AS NOT TO DISRUPT EXISTING FLOW PATTERNS.
8. MAX SLOPE NOT TO EXCEED 2:1 AND MAX HEIGHT OF CUT OR FILL SLOPE IS 4ft



2 ACCESS ROAD DETAIL
NOT TO SCALE

LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667

PREPARED FOR
at&t
2600 Camino Ramon, #N160 N
San Ramon, California 94583

EPIC WIRELESS GROUP, LLC

AT&T SITE NO:	CVL03140
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

REV	DATE	DESCRIPTION
A	10/27/18	ZD SUB.
B	12/13/18	ZD SUB.
1	12/17/18	ZD SUBSTANTIAL CHANGE

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

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

Engineer:
ADAPTIVE RE-USE ENGINEERING
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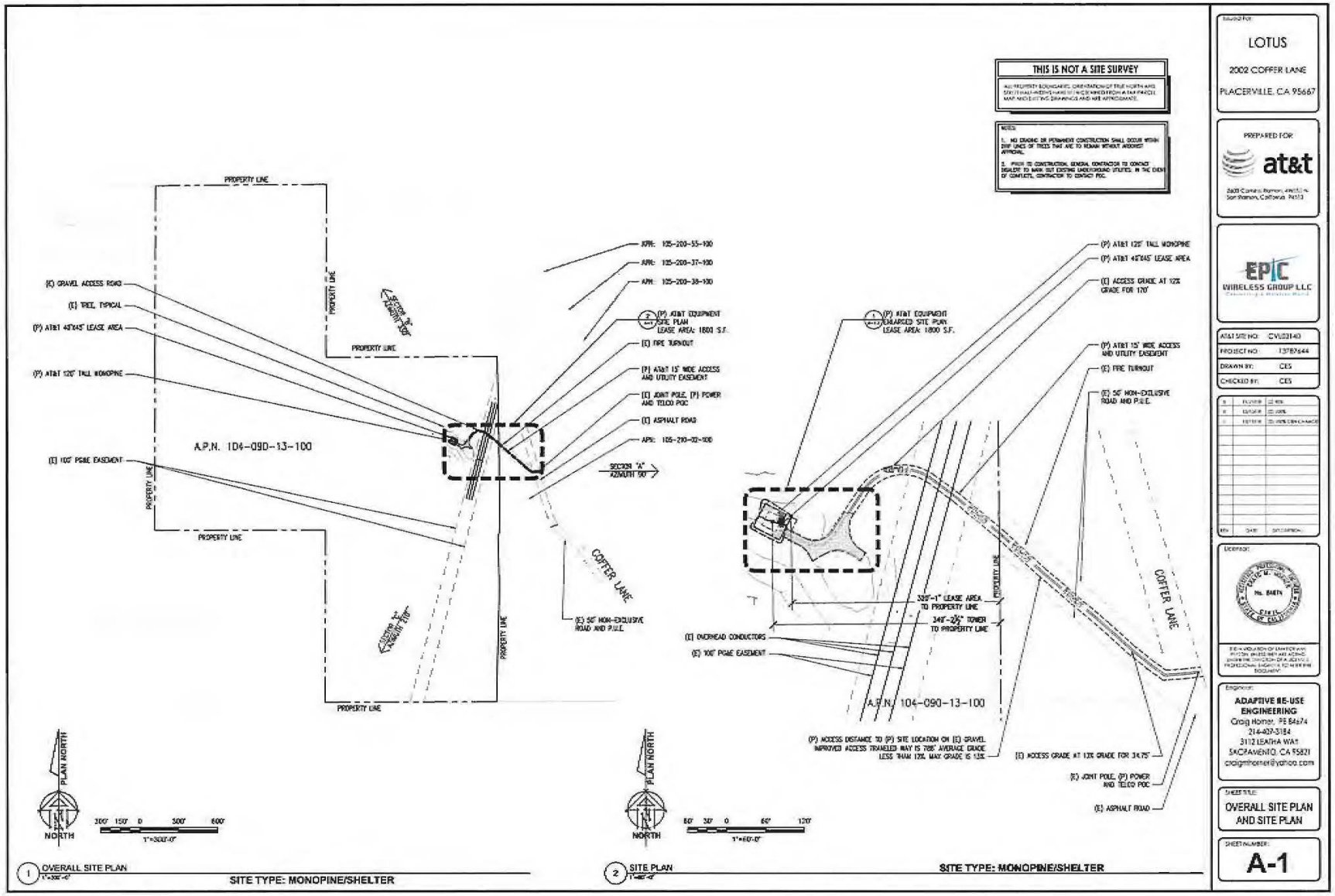
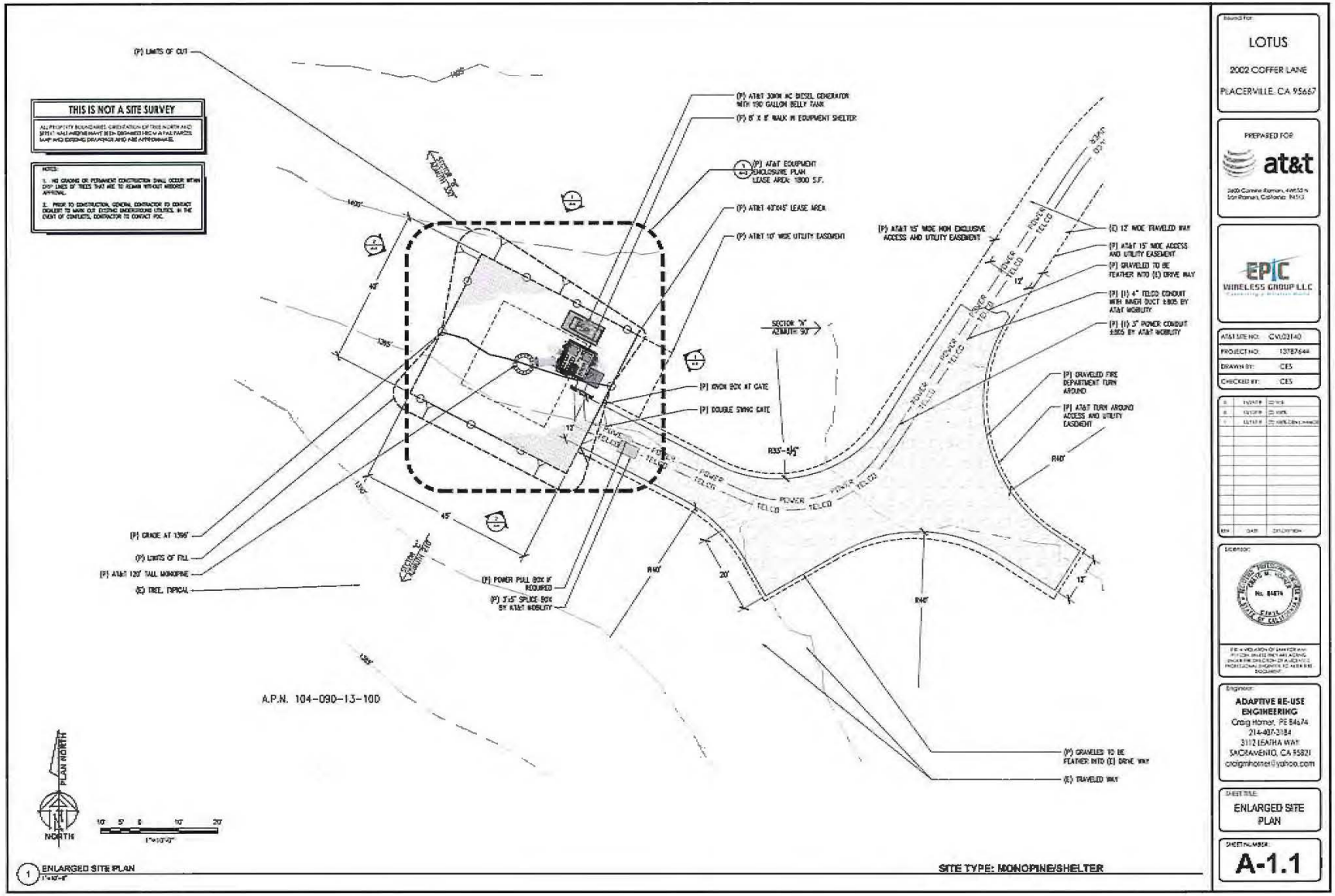
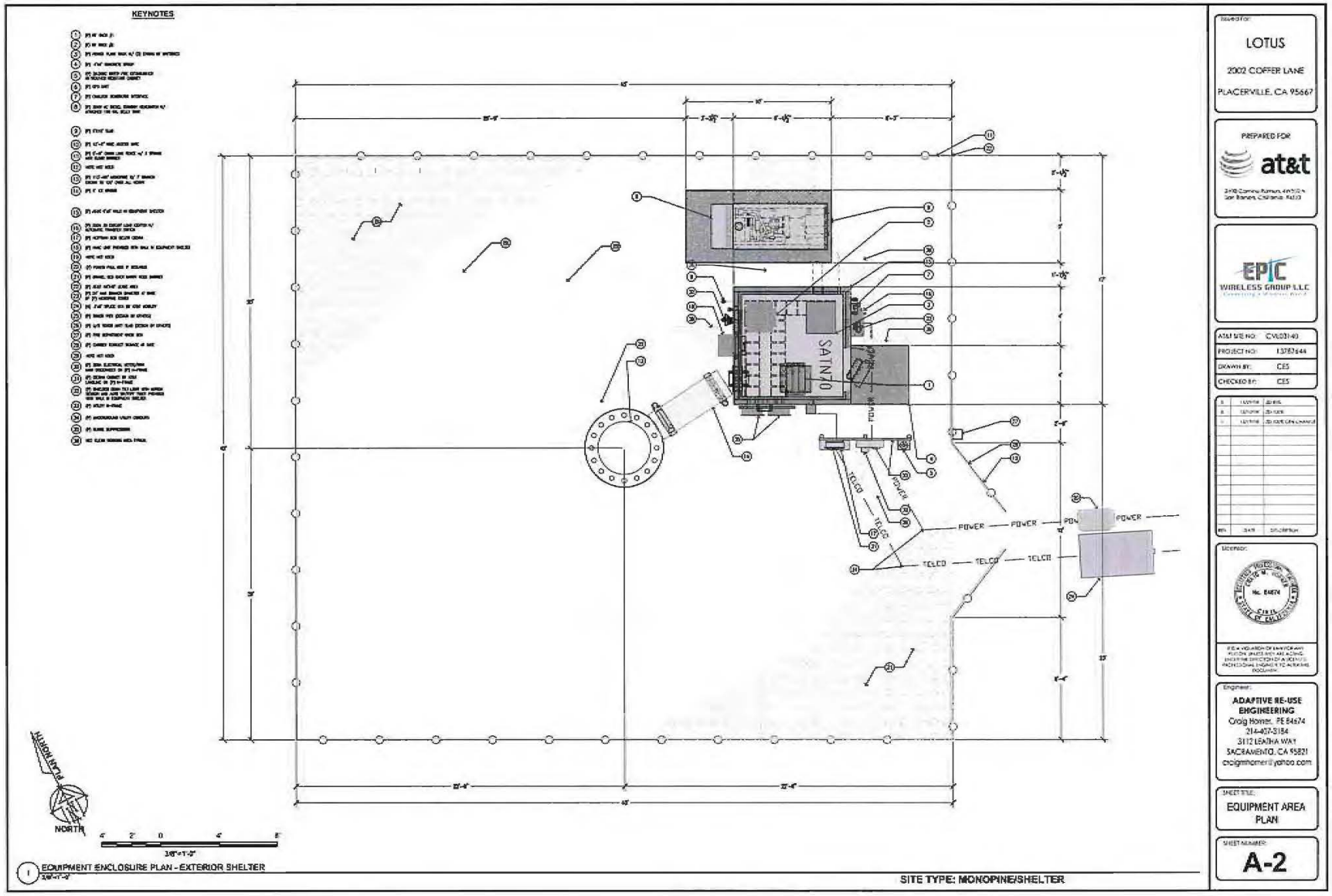
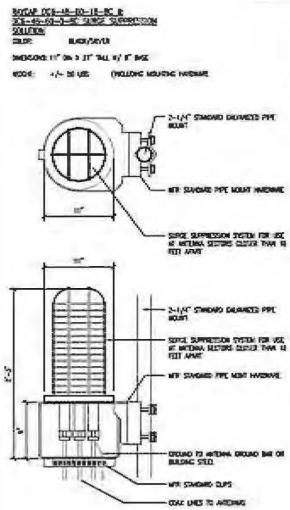
SHEET TITLE:
GRADING PLAN AND DETAILS

SHEET NUMBER:
C-3.2

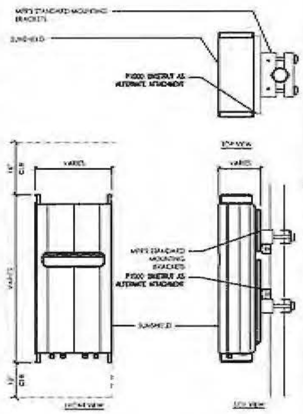

THIS IS NOT A SITE SURVEY
PROPERTY LINE
(E) GRAVEL ACCESS ROAD
(E) TREE, TYPICAL
(P) AT&T 40'X45' LEASE AREA
(P) AT&T 120' TALL MONOPINE
A.P.N. 104-090-13-100
(E) 100' PG&E EASEMENT
APN: 105-200-35-100
APN: 105-200-37-100
APN: 105-200-38-100
(P) AT&T EQUIPMENT SEE PLAN LEASE AREA: 1800 S.F.
(E) FIRE TURNOUT
(P) AT&T 15' WIDE ACCESS AND UTILITY EASEMENT
(E) JOINT POLE, (P) POWER AND TELCO POC
(E) ASPHALT ROAD
APN: 105-210-02-100
SECTOR "A" AZIMUTH 90°
SECTOR "B" AZIMUTH 210°
SECTOR "C" AZIMUTH 270°
COFFER LANE
(E) 50' NON-EXCLUSIVE ROAD AND P.U.E.
PLAN NORTH
NORTH
300' 150' 0 300' 600'
1"=300'-0"
1 OVERALL SITE PLAN
SITE TYPE: MONOPINE/SHELTER
(P) AT&T 120' TALL MONOPINE
(P) AT&T 40'X45' LEASE AREA
(E) ACCESS GRADE AT 12% GRADE FOR 170'
(P) AT&T EQUIPMENT ENLARGED SITE PLAN LEASE AREA: 1800 S.F.
(P) AT&T 15' WIDE ACCESS AND UTILITY EASEMENT
(E) FIRE TURNOUT
(E) 50' NON-EXCLUSIVE ROAD AND P.U.E.
SECTOR "A" AZIMUTH 90°
SECTOR "B" AZIMUTH 210°
SECTOR "C" AZIMUTH 270°
COFFER LANE
PROPERTY LINE
32'-1" LEASE AREA TO PROPERTY LINE
349'-2½" TOWER TO PROPERTY LINE
(E) OVERHEAD CONDUCTORS
(E) 100' PG&E EASEMENT
A.P.N. 104-090-13-100
(P) ACCESS DISTANCE TO (P) SITE LOCATION ON (E) GRAVEL IMPROVED ACCESS TRAVELED WAY IS 788' AVERAGE GRADE LESS THAN 12% MAX GRADE IS 13%
(E) ACCESS GRADE AT 13% GRADE FOR 34.75'
(E) JOINT POLE, (P) POWER AND TELCO POC
(E) ASPHALT ROAD
PLAN NORTH
NORTH
60' 30' 0 60' 120'
1"=60'-0"
2 SITE PLAN
SITE TYPE: MONOPINE/SHELTER
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667
PREPARED FOR:
at&t
EPIC WIRELESS GROUP LLC
AT&T SITE NO: CVL03140
PROJECT NO: 13787644
DRAWN BY: CES
CHECKED BY: CES
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-402-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighorner@yahoo.com
OVERALL SITE PLAN AND SITE PLAN
A-1


THIS IS NOT A SITE SURVEY
(P) LIMITS OF CUT
(P) AT&T 30KW AC DIESEL GENERATOR WITH 150 GALLON BELLY TANK
(P) 8' X 8' WALK IN EQUIPMENT SHELTER
(P) AT&T EQUIPMENT ENCLOSURE PLAN LEASE AREA: 1300 S.F.
(P) AT&T 40'X45' LEASE AREA
(P) AT&T 10' WIDE UTILITY EASEMENT
(P) AT&T 15' WIDE NON EXCLUSIVE ACCESS AND UTILITY EASEMENT
(C) 12' WIDE TRAVELED WAY
(P) AT&T 15' WIDE ACCESS AND UTILITY EASEMENT
(P) GRAVELED TO BE FEATHER INTO (C) DRIVE WAY
(P) (1) 4" TELCO CONDUIT WITH INNER DUCT ±80S BY AT&T MOBILITY
(P) (1) 3" POWER CONDUIT ±80S BY AT&T MOBILITY
SECTOR "A" AZIMUTH 50°
(P) KNOX BOX AT GATE
(P) DOUBLE SWING GATE
(P) GRAVELED FIRE DEPARTMENT TURN AROUND
(P) AT&T TURN AROUND ACCESS AND UTILITY EASEMENT
(P) GRADE AT 1396'
(P) LIMITS OF FILL
(P) AT&T 120' TALL MONOPINE
(E) TREE, TYPICAL
(P) POWER PULL BOX IF REQUIRED
(P) 3'x5' SPLICE BOX BY AT&T MOBILITY
A.P.N. 104-090-13-100
(P) GRAVELED TO BE FEATHER INTO (E) DRIVE WAY
(E) TRAVELED WAY
PLANT NORTH
NORTH
1 ENLARGED SITE PLAN
SITE TYPE: MONOPINE/SHELTER
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667
PREPARED FOR
at&t
EPIC WIRELESS GROUP, L.L.C.
AT&T SITE NO: CVL02140
PROJECT NO: 13787644
DRAWN BY: CES
CHECKED BY: CES
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-497-3184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craigmhorner@yahoo.com
ENLARGED SITE PLAN
A-1.1

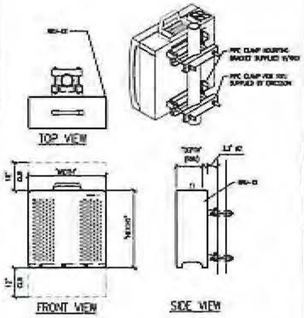

KEYNOTES
SAT70
POWER
TELCO
NORTH
PLAN NORTH
3/8"=1'-0"
1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR SHELTER
SITE TYPE: MONOPINE/SHELTER
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667
PREPARED FOR
at&t
EPIC WIRELESS GROUP, LLC
AT&T SITE NO: CVL03140
PROJECT NO: 13787644
DRAWN BY: CES
CHECKED BY: CES
ADAPTIVE RE-USE ENGINEERING
Craig Horner, PE 84674
214-497-5184
3112 LEATHA WAY
SACRAMENTO, CA 95821
craighhorner@yahoo.com
EQUIPMENT AREA PLAN
A-2



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

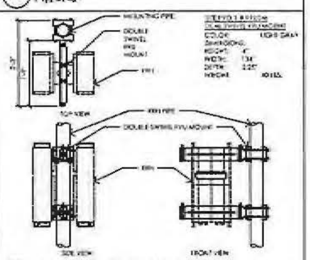


2 TYPICAL RRU MOUNTING
1 1/2"=1'-0"

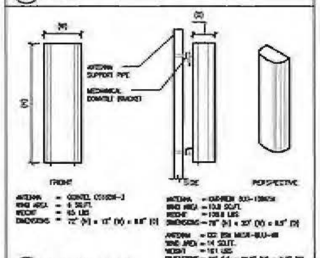


TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-11 E	19.7"	17"	7.2"	55 LBS
RRUS-12	20.4"	18.5"	7.5"	57.5 LBS
RRUS-E2	20.4"	18.5"	7.5"	53 LBS
RRUS-4478 B14	18.1"	13.4"	8.26"	59.4 LBS
RRUS-4478 B5	16.5"	13.4"	7.7"	59.9 LBS
RRUS-4415 B25	14.96"	13.19"	5.39"	46 LBS
RRUS-4415 B30	14.96"	13.19"	5.39"	46 LBS
RRUS-4426 B66	14.96"	13.19"	5.39"	46 LBS
RRUS-4449 B5/B12	28"	15"	10"	85 LBS
RRUS-8843 B2/B66	28"	15"	10"	85 LBS
RRUS-32 B30	26.7"	12.1"	6.7"	46 LBS

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



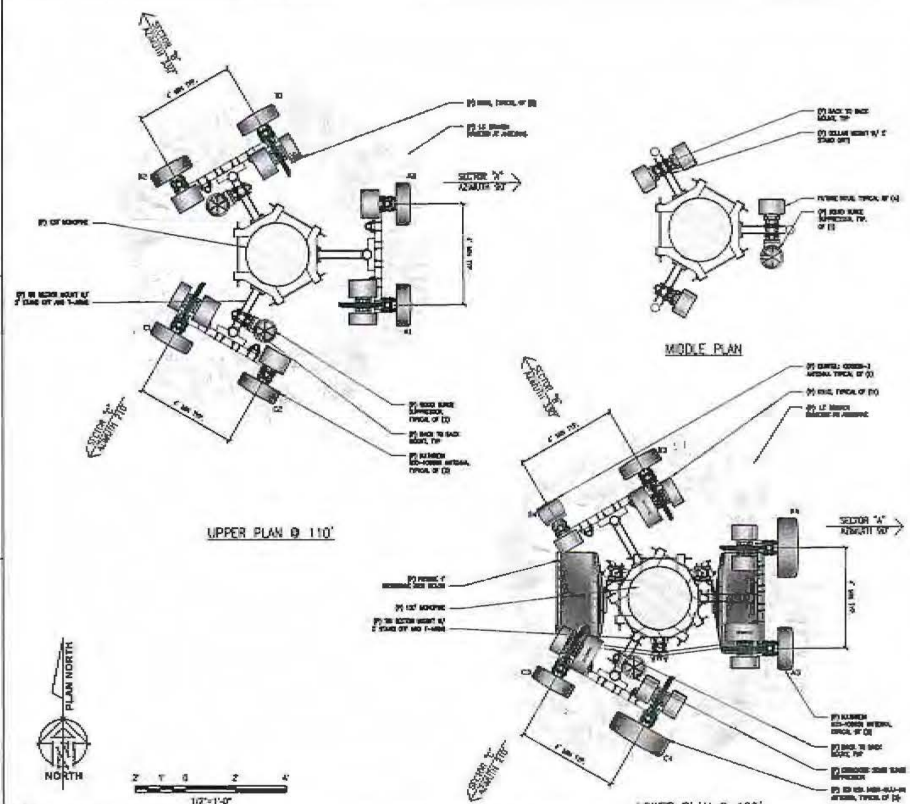
4 DOUBLE SIDED RRH MOUNT
3/4"=1'-0"



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

RF SCHEDULE									
SECTOR	ANTENNA MODEL NO.	TECHNOLOGY	AZIMUTH	RAD CENTER	RRU	DIPLEXER	FIBER LENGTH	COAX LENGTH	FIBER NO.
ALPHA A1	800-10965K	700/PCS1	90°	± 110'-0"	(2) RRUS	N/A	± 140'	± N/A	TRUNK 1
A2	800-10965K	829/AWS	90°	± 110'-0"	(1) RRUS	N/A	± 140'	± N/A	TRUNK 1
A3	800-10965K	B14/PCS2	90°	± 100'-0"	(2) RRUS	N/A	± 130'	± N/A	TRUNK 1
A4	CCI BSA-MBSR-BLU-HR	FWLL-SPLIT (OSA)	90°	± 100'-0"	(1) RRUS	N/A	± 130'	± N/A	TRUNK 3
BETA B1	800-10965K	700/PCS1	330°	± 110'-0"	(2) RRUS	N/A	± 140'	± N/A	TRUNK 2
B2	800-10965K	829/AWS	330°	± 110'-0"	(1) RRUS	N/A	± 140'	± N/A	TRUNK 2
B3	800-10965K	B14/PCS2	330°	± 100'-0"	(2) RRUS	N/A	± 130'	± N/A	TRUNK 2
B4	DXX-6336-3	FWLL	330°	± 100'-0"	(1) RRUS	N/A	± 130'	± N/A	TRUNK 3
GAMMA C1	800-10965K	700/PCS1	210°	± 110'-0"	(2) RRUS	N/A	± 140'	± N/A	TRUNK 4
C2	800-10965K	829/AWS	210°	± 110'-0"	(1) RRUS	N/A	± 140'	± N/A	TRUNK 4
C3	800-10965K	B14/PCS2	210°	± 100'-0"	(2) RRUS	N/A	± 130'	± N/A	TRUNK 4
C4	CCI BSA-MBSR-BLU-HR	FWLL-SPLIT (OSA)	210°	± 100'-0"	(2) RRUS	N/A	± 130'	± N/A	TRUNK 3
	RF DATA SHEET v10030 DATED 10/17/18				(20) PROPOSED RRUS				
					(4) FUTURE RRUS				
					(24) RRUS TOTAL				

6 RF SCHEDULE
NOT TO SCALE



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

SITE TYPE: MONOPINE

ISSUED FOR:

LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667

PREPARED FOR
at&t

EPIC WIRELESS GROUP LLC

AT&T SITE NO:	CVL03140
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

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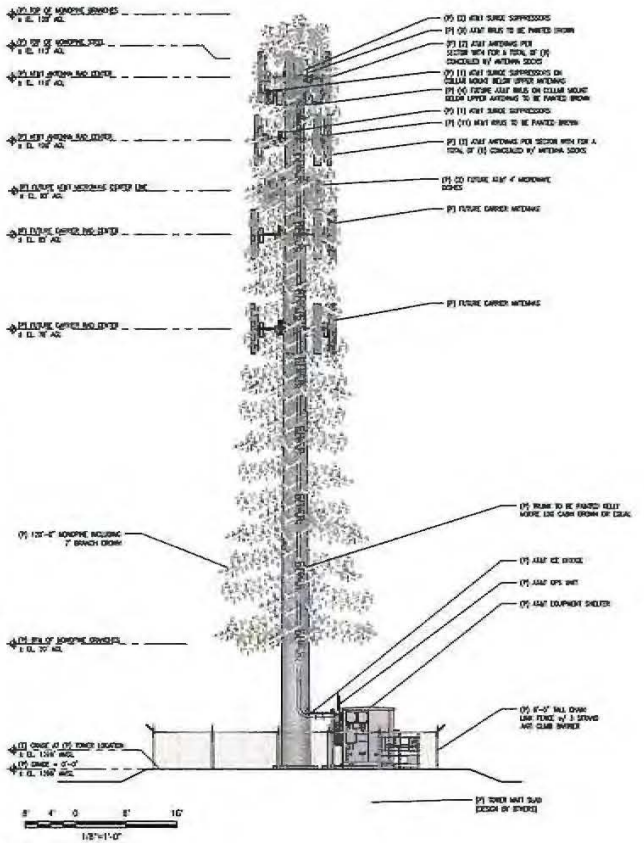
craigmhomer@yahoo.com

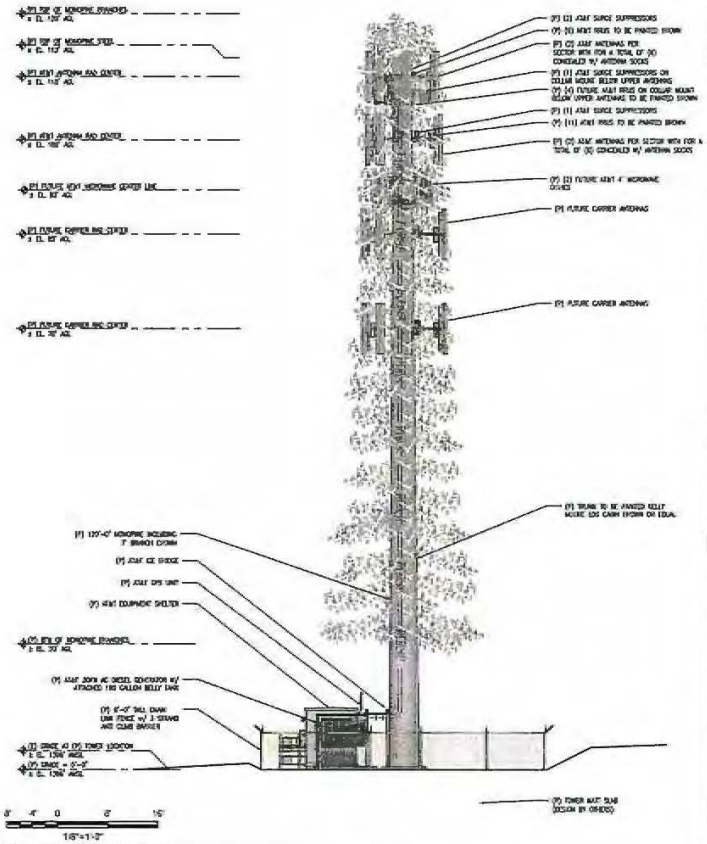
SHEET TITLE:
ANTENNA PLAN & DETAILS

SHEET NUMBER:
A-3

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



1 PROPOSED SOUTH ELEVATION



2 PROPOSED NORTH ELEVATION

SITE TYPE: MONOPINE/SHELTER

LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667

PREPARED FOR
at&t

EPIC WIRELESS GROUP LLC

AT&T SITE NO:	CV1051140
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

NO.	DATE	DESCRIPTION

License:

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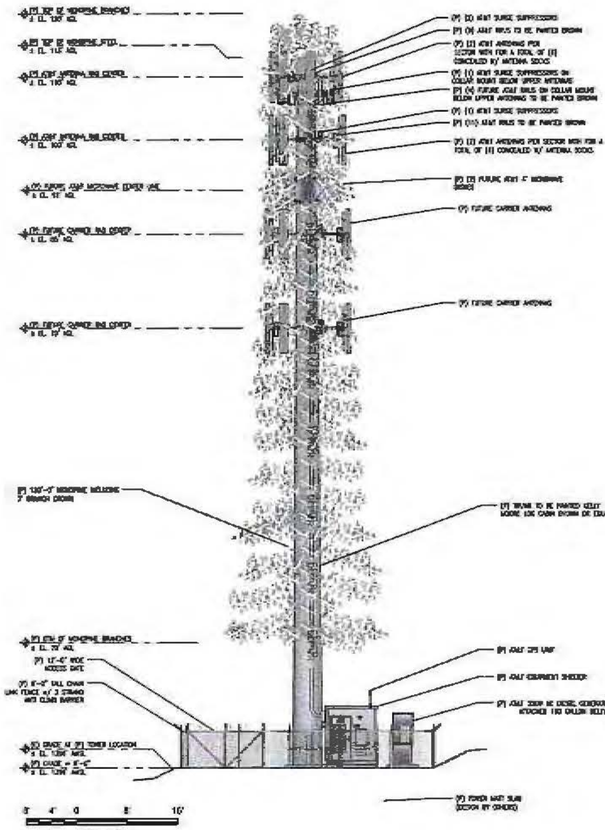
SACRAMENTO, CA 95821
craighorner@yahoo.com

SHEET TITLE:
PROPOSED MONOPINE
NORTH - SOUTH ELEVATION

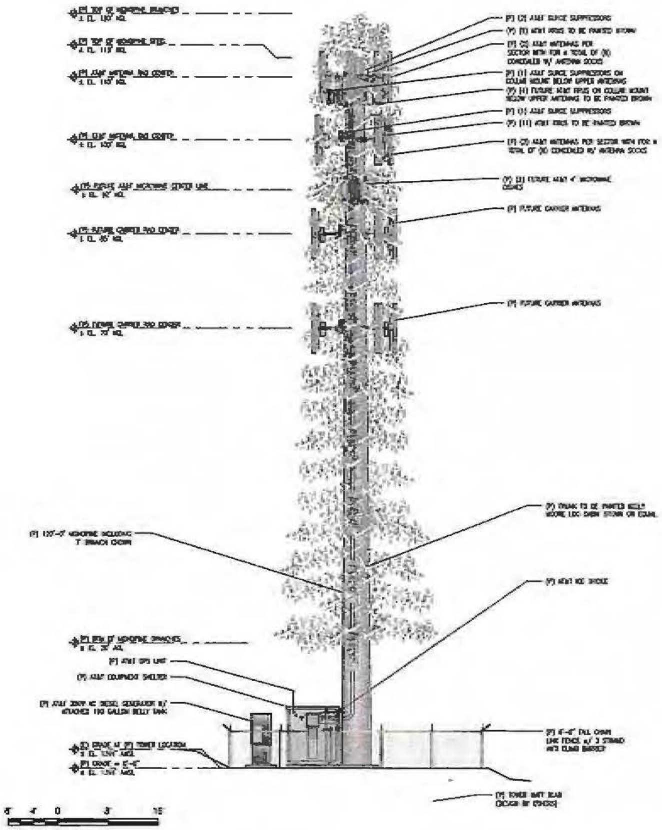
SHEET NUMBER:
A-4.1

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:
LOTUS
2002 COFFER LANE
PLACERVILLE, CA 95667

PREPARED FOR
at&t

EPIC WIRELESS GROUP LLC

AT&T SITE NO:	CVL03140
PROJECT NO:	13787644
DRAWN BY:	CES
CHECKED BY:	CES

Licensor:

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

SHEET TITLE:
PROPOSED MONOPINE WEST - EAST ELEVATION

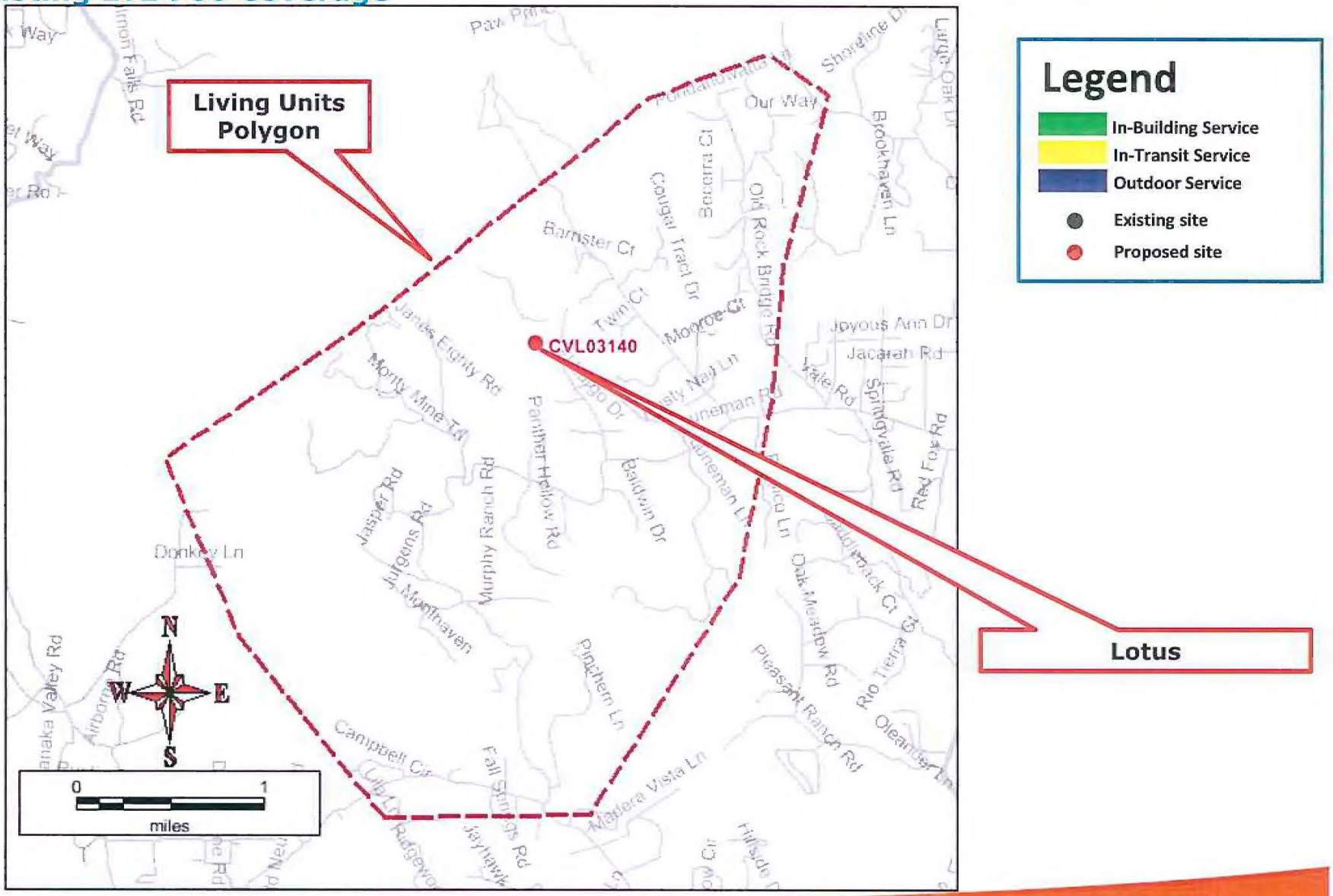
SHEET NUMBER:
A-4.2

CVL03140 Zoning Propagation Map

Nov 28, 2018

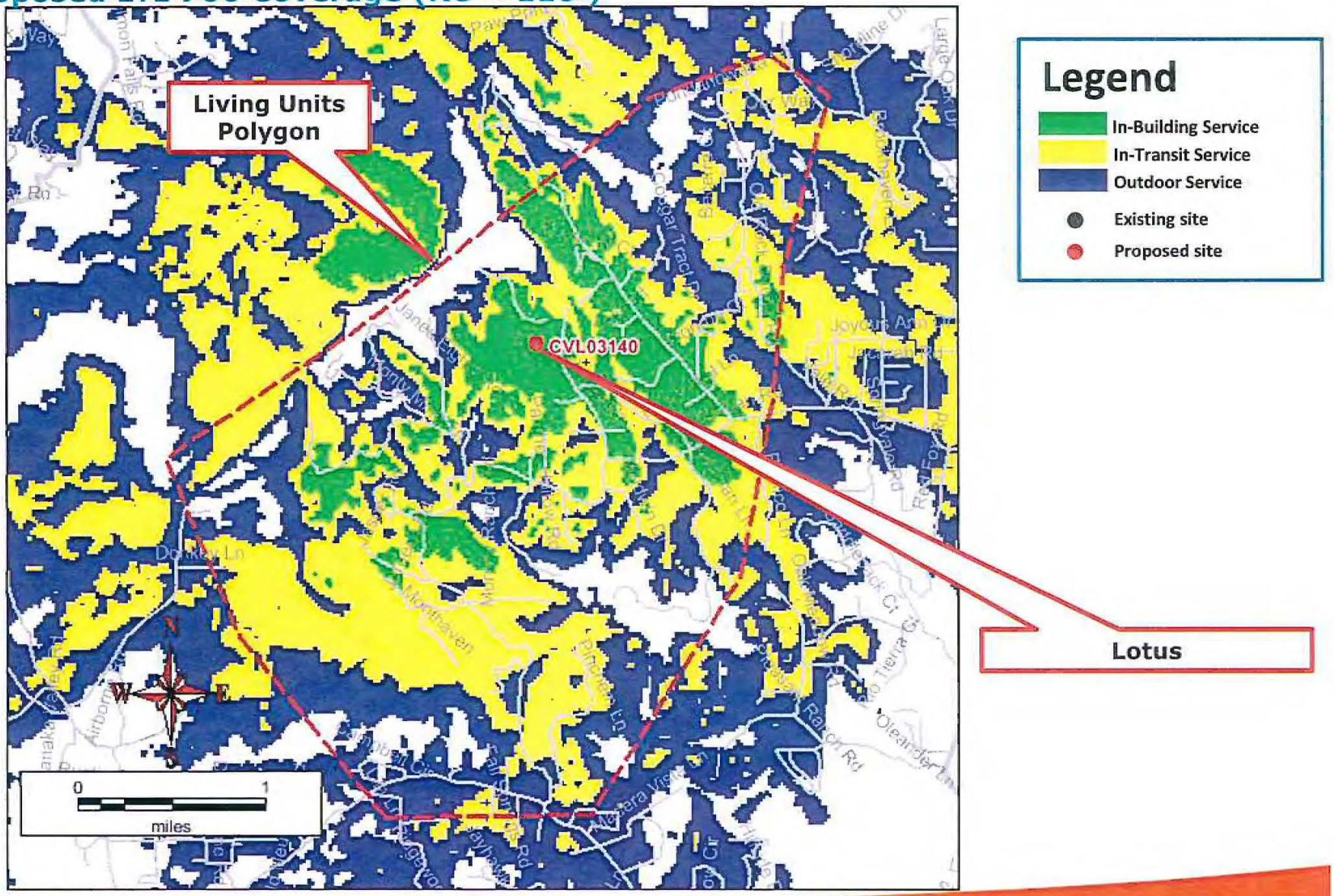
Exhibit G

Existing LTE 700 Coverage



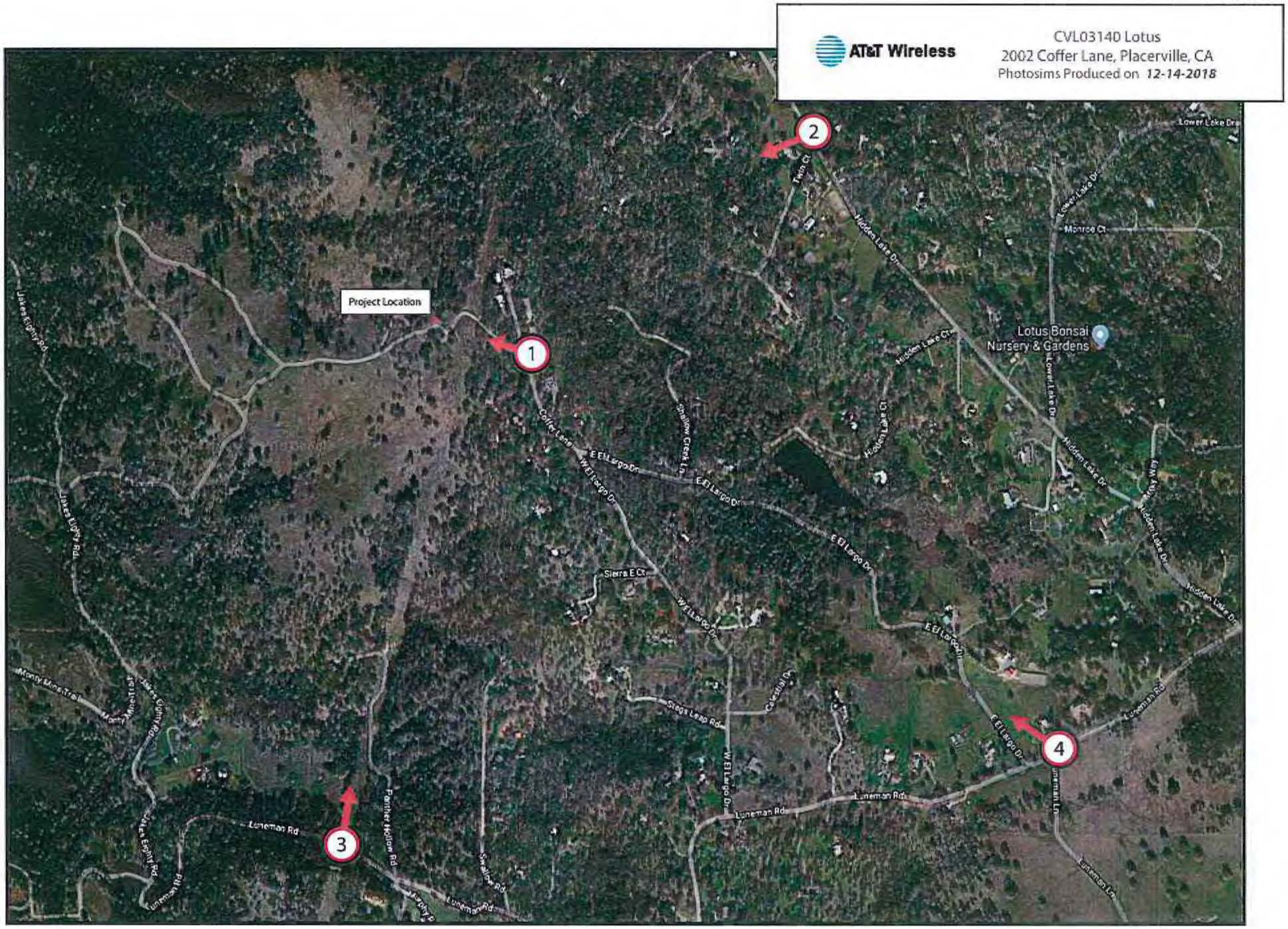
Nov 28, 2018

Proposed LTE 700 Coverage (RC = 110')



Nov 28, 2018

at&t



AdvanceSim

Exhibit H

Shot Point Map

Existing

Proposed

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

view from Coffer Lane looking northwest at site

AT&T Wireless

CVL03140 Lotus
2002 Coffer Lane, Placerville, CA
Photosims Produced on 12-14-2018

Existing

Proposed

view from Hidden Lake Drive looking southwest at site

AT&T Wireless

CVL03140 Lotus
2002 Coffer Lane, Placerville, CA
Photosims Produced on 12-14-2018

AdvanceSim
Photo Simulation Solutions
Contact (925) 292-8507

Existing

Proposed

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

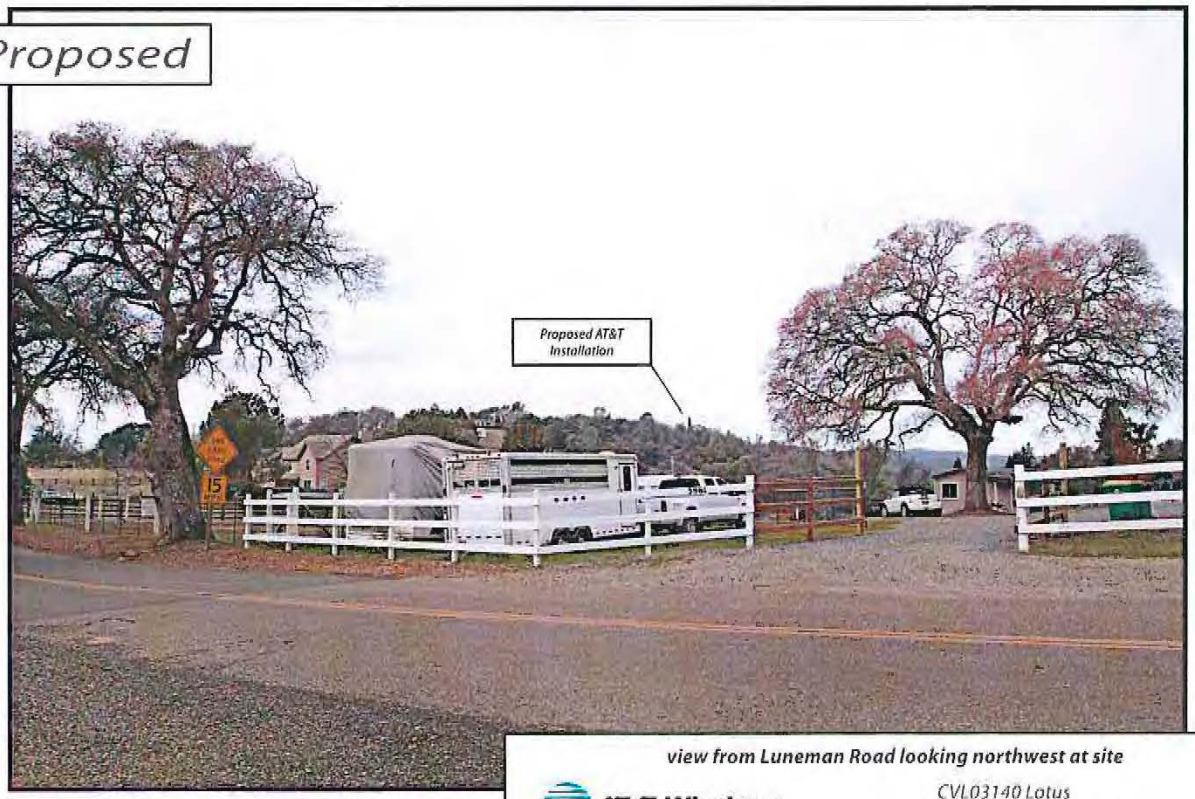
view from Luneman Road looking north at site

AT&T Wireless

CVL03140 Lotus
2002 Coffer Lane, Placerville, CA
Photosims Produced on 12-14-2018

Existing

Proposed



view from Luneman Road looking northwest at site

AT&T Wireless

CVL03140 Lotus
2002 Coffer Lane, Placerville, CA
Photosims Produced on 12-14-2018

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT

Site Name:	**Lotus Carlsen**
Site ID:	**CVL03140**
USID:	**220461**
FA Location:	**13787644**
Site Type:	**Stealth Pole External Array**
Location:	**2002 Coffer Lane Placerville, CA 95667**
Latitude (NAD83):	**38.774353**
Longitude (NAD83):	**-120.975453**
Report Completed:	**December 18, 2018**
AT&T M-RFSC	**Casey Chan**

Prepared By:

OSC ENGINEERING

Exhibit I

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

Executive Summary

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

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

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

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

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

Site Compliance Conclusion

The AT&T site CVL03140 located at 2002 Coffer Lane Placerville, CA 95667 will comply with FCC Guidelines.

Site Overview and Description

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

Compliance Results of the Proposed Site (theoretical simulation)

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

Max RF Exposure Level simulated (AT&T antennas @ ground):
3.90 % FCC General Population MPE Limit

Antenna Inventory

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

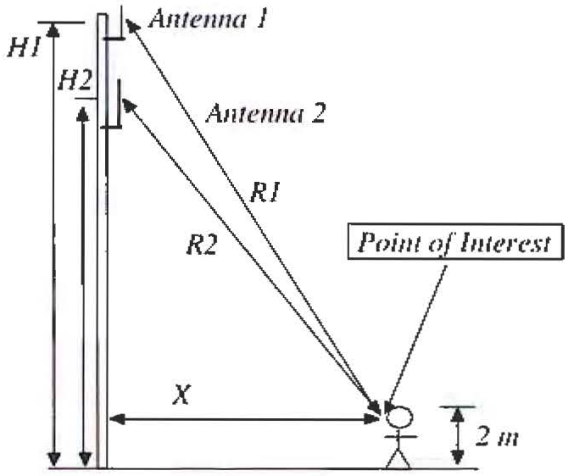
Antenna	Operator / Technology	Frequency (MHz)	Input Power (watts)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (ft)
A1	AT&T LTE B17	700	160.00	Panel	Kathrein	800-10965 K	90	106.7
A1	AT&T LTE	1900	160.00	Panel	Kathrein	800-10965 K	90	106.7
A2	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10965 K	90	106.7
A2	AT&T LTE	2100	160.00	Panel	Kathrein	800-10965 K	90	106.7
A3	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10965 K	90	96.7
A3	AT&T LTE	1900	160.00	Panel	Kathrein	800-10965 K	90	96.7
A4	AT&T LTE	2300	100.00	Panel	CCI	BSA-M65R-BUU-H6-K	324	97
A4	AT&T LTE	2300	100.00	Panel	CCI	BSA-M65R-BUU-H6-K	16	97
B1	AT&T LTE B17	700	160.00	Panel	Kathrein	800-10965 K	330	106.7
B1	AT&T LTE	1900	160.00	Panel	Kathrein	800-10965 K	330	106.7
B2	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10965 K	330	106.7
B2	AT&T LTE	2100	160.00	Panel	Kathrein	800-10965 K	330	106.7
B3	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10965 K	330	96.7
B3	AT&T LTE	1900	160.00	Panel	Kathrein	800-10965 K	330	96.7

Antenna	Operator / Technology	Frequency (MHz)	Input Power (watts)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (ft)
B4	AT&T LTE	2300	100.00	Panel	Quintel	QS6656-3	330	97
G1	AT&T LTE B17	700	160.00	Panel	Kathrein	800-10965 K	210	106.7
G1	AT&T LTE	1900	160.00	Panel	Kathrein	800-10965 K	210	106.7
G2	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10965 K	210	106.7
G2	AT&T LTE	2100	160.00	Panel	Kathrein	800-10965 K	210	106.7
G3	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10965 K	210	96.7
G3	AT&T LTE	1900	160.00	Panel	Kathrein	800-10965 K	210	96.7
G4	AT&T LTE	2300	100.00	Panel	CCI	BSA-M65R-BUU-H6-K	324	97
G4	AT&T LTE	2300	100.00	Panel	CCI	BSA-M65R-BUU-H6-K	16	97

FCC Regulations and Guidelines from OET 65

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

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



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

Computer Simulation Analysis

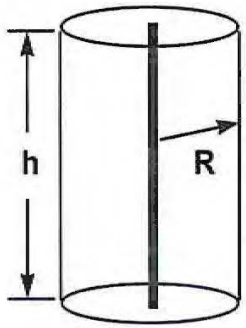
The Federal Communications Commission (FCC) governs the telecommunications services, facilities, and devices used by the public, industrial and state organizations in the United States.

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

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

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

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



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

[2] Roofview User Guide 4.15, Page 7, Richard A Tell Associates
[3] Roofview User Guide 4.15, Page 7, Richard A Tell Associates
[4] Roofview User Guide 4.15, Page 10, Richard A Tell Associates
[5] Roofview User Guide 4.15, Page 45, Richard A Tell Associates

Certification

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

Reviewed and approved by:

John B. Bachoua, PE

Date: December 18, 2018

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

FCC MPE Limits (from OET-65)

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

Occupational/controlled[6] exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. As discussed later, the occupational/controlled exposure limits also apply to amateur radio operators and members of their immediate household.

General population/uncontrolled[7] exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

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

Limits for Maximum Permissible Exposure (MPE)[8]

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

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time |E|², |H|² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f²)*	6
32-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population /Uncontrolled Exposure

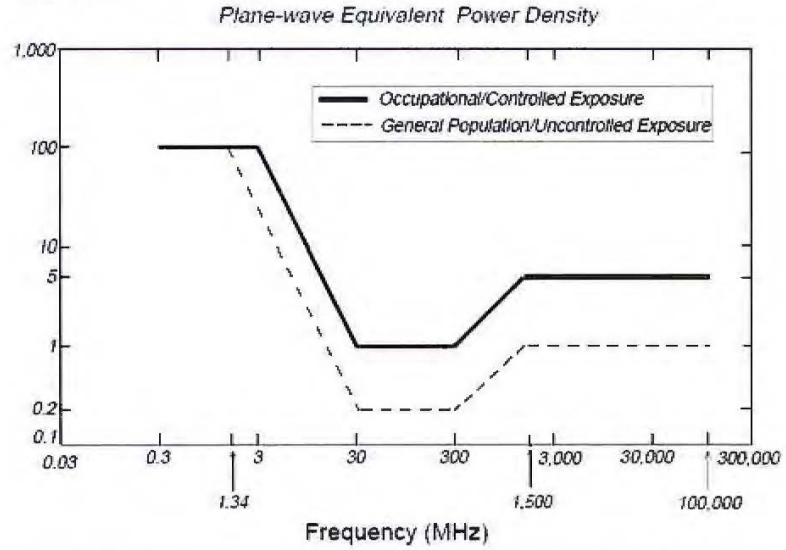
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time |E|², |H|² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f= Frequency in MHz *Plane-wave equivalent power density

[8] OET-65 "FCC Guidelines Table 1 pg. 72.
[9] OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 8

Limits for Maximum Permissible Exposure (MPE) continued [10]

Figure 1. *FCC Limits for Maximum Permissible Exposure (MPE)*



"MPE Limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm^2), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). In the far-field of a transmitting antenna, where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("[plane-wave" conditions], these quantities are related by the following equation:

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

where: S = power density (mW/cm^2)
E = electric field strength (V/m)
H = magnetic field strength (A/m)

[10] OET-65 "FCC Guidelines Table 1 pg. 72.

Limitations

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

[11] OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 1

AT&T Antenna Shut-Down Protocol

AT&T provides Lockout/Tagout (LOTO) procedures in Section 9.4[12] (9.4.1- 9.4.9) in the ND-00059. These procedures are to be followed in the event of anyone who needs access at or in the vicinity of transmitting AT&T antennas. Contact AT&T when accessing the rooftop near the transmitting antennas. Below is information regarding when to contact an AT&T representative.

9.4.7 Maintenance work being performed near transmitting antennas

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

9.4.8 AT&T Employees and Contractors

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

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

9.4.9 Other Incidental Workers

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

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

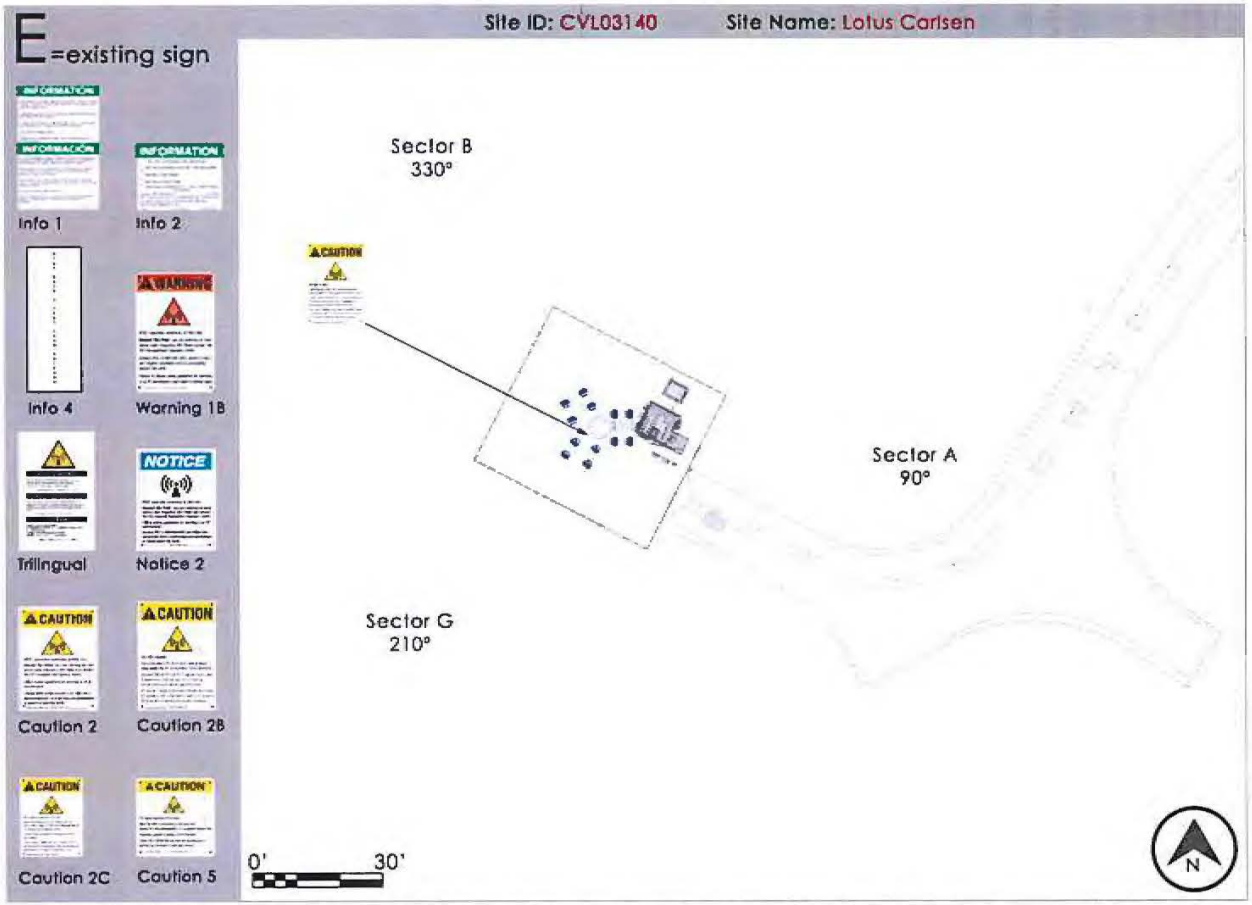
RECOMMENDATIONS

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

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

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

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



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

EPIC WIRELESS GROUP LLC

on Behalf of

at&t

PROJECT SUPPORT STATEMENT

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

DEVELOPMENT APPLICATION FOR AT&T SITE "LOTUS"

AT&T SITE NUMBER: CVL03140

AUTHORIZED AGENT:

EPIC WIRELESS GROUP, LLC

ZONING MANAGER:

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

PROPERTY OWNER: CARLSEN RESIDENTIAL, LLC (JIM CALRSEN)

916-425-4921

APN: 104-090-13-100

2002 COFFER LANE, PLACERVILLE, CA 95667

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

Exhibit J

EPIC WIRELESS GROUP LLC

on Behalf of

at&t

Project Background and objectives:

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

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

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

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

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on Behalf of

at&t

Search Ring's Description and Objectives:

AT&T Mobility is proposing to build and maintain an unmanned wireless telecommunication facility consisting of a 40' x 45', 1,800 square foot enclosed compound (lease area). The compound will include a 120-foot Monopine tower, one pre-manufactured equipment cabinet, and one 30KW standby diesel generator with a 190 gallon belly tank. This facility will be located at 2002 Coffer Lane, Placerville, within El Dorado County's jurisdiction in a 161.03 acre RL-40 zone parecel. The site is approximately 0.25 miles northwest of the intersection of Coffer Lane and El Largo Drive. The area consists of mixed oak woodlands and rolling hills with rocky terrain.

AT&T's objective for the Lotus site is to provide wireless hi-speed broadband internet to the surrounding community and cellular services to the nearby residences in addition to the nearby public roadways. Just north, east and south of the site location are relatively dense underserved areas. To the west, the South Fork American River sits about 0.70 miles providing services to recreational activity. The site location's elevation is approximately 1,396 feet while the surrounding community's elevation averages around 1,200 feet, giving the homes within the surrounding community great potential for line of site to the tower. After running a coverage simulation at the site location, AT&T is anticipating meeting and beating their FCC objective for the targeted area and will fill significant coverage gap in the targeted area.

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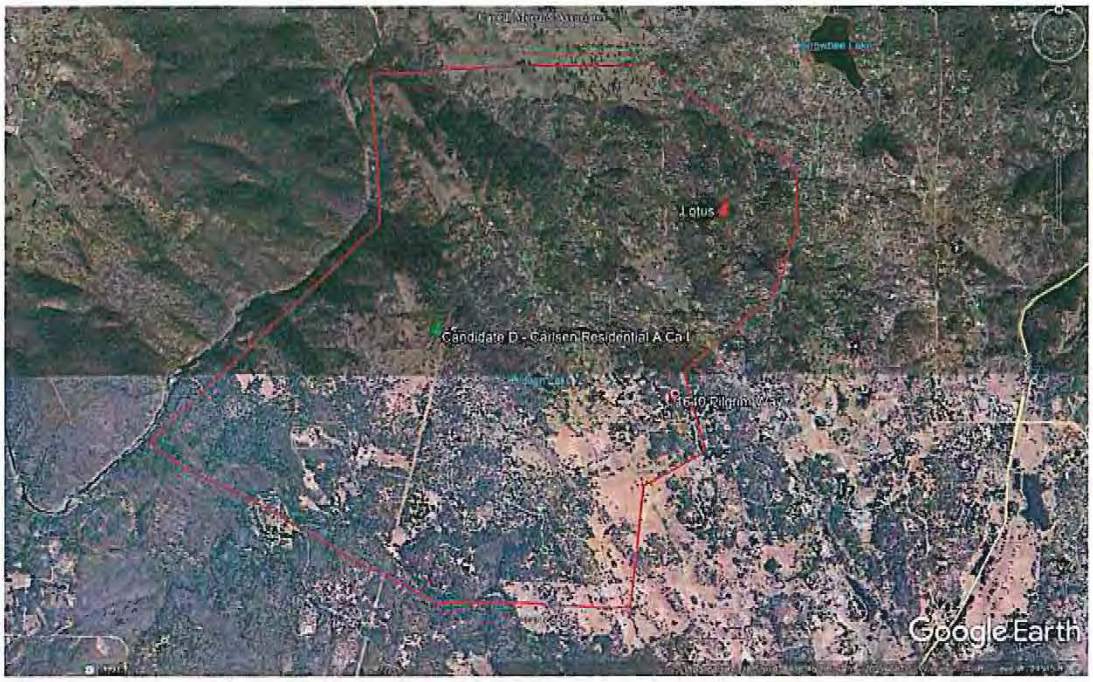
Potential Co-locations:



There are no existing towers in the targeted area. This is a relatively low populated area and typical wireless carriers are not present in such areas. AT&T's primary focal point of this project is covering the "underserved" area by servicing the most LUs as possible.

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at&t

Alternative Site Analysis pursuant to 17.14.210 (B) (1):

Above is a map showing the Search Ring (center is the red pin), Proposed Site (green pin) and the alternative sites (yellow pins) that were considered for placement of the telecommunications facility. Each Alternative Site is discussed below:

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Lotus Alternative Candidate Vicini:

APN 104-080-05, Placerville, CA 95667

Latitude/Longitude: 38.791985, -120.957865

Proposal – New Tower

Google Earth Image

Site View:

EPIC WIRELESS GROUP LLC

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at&t

Considerations:

Candidate Vicini is located approximately 0.75 miles northwest of the center of AT&T's search ring. The proposed tower would be located on a 264 acre, RE-40 zoned property owned by Vicini Family Investments. The property is located on the north side of Pawprint Path and the site was proposed on the southeast side of the property. Candidate Vicini was chosen as AT&T's second preferred candidate as the RF Engineer's simulation yielded approximately 25% fewer LU's than the subject site located at 2002 Coffer Lane, and, the site was cost prohibited given the lack of utilities on the property. No known oak resources would be lost at this site location.

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

APN: 105-300-44-100; Owner: Enzler – Disqualified due to wanted to sell the property. New owner was not interested as he was going to be using the property for bee keeping.

1640 Pilgrim Way; APN: 105-361-02-100; Owner: Brian and Nicole Wilkey – Property owners were interested but Property had CC&Rs and the neighbors were not willing to amend said CC&R to allow for the Cell Tower Installation.

3961 Luneman Road; APN: 105-220-18-100; Owner: Dyer – Property owner was interested but Epic and Property Owner could not come to an agreement with Site Location. The available site location was too prominent and visually intrusive.

APN: 105-300-13-100; Owner: Zack – Interested but could not locate a viable and agreed upon site location. Additionally, after speaking to neighbors, they were uninterested.

2040 Pimlico Lane; APN: 105-300-27-100; Owner: Ehrhardt – Property Owner was interested but then after speaking to neighbors he became uninterested.

1255 Tree Top Rd.; APN 105-230-33-100; Owner: Strange – Could not located a feasible location on property.

APN: 105-220-21; Owner: Gerrald – No response to interest letter.

1591 Hidden Lake Drive; APN: 105-340-41-100; Owner: Romig – No response to interest letter.

2020 Coffer Lane; APN: 105-210-02-100; Owner: Britvich – Interested but property has restrictive CC&Rs. No building of commercial building is allowed on the property.

1499 Golden Spur Drive; APN: 105-243-05-100; Owner: Marvin – No response to interest letter.

2700 Pawprint Path; APN: 105-130-15-100; Owner: Maloney – No response to interest letter.

1210 Old Rock Bridge Road; APN: 105-130-14-100; Owner: Coleman/Goodearl – No response to interest letter.

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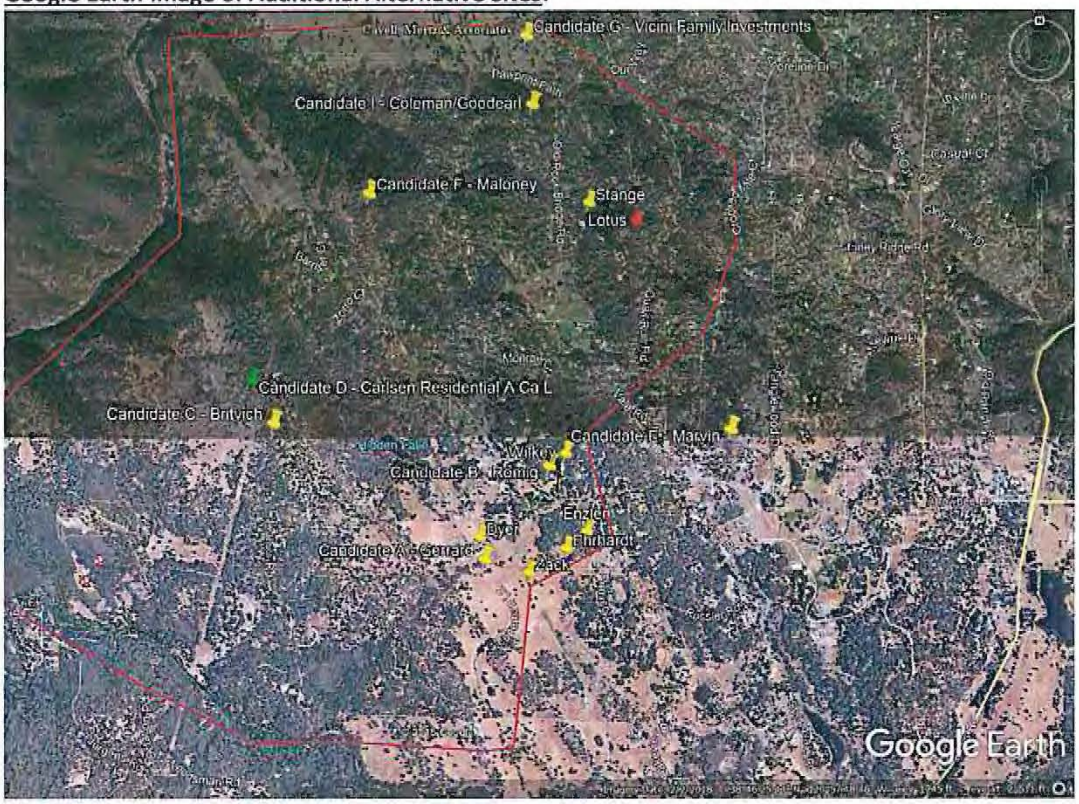
Google Earth Image of Additional Alternative Sites:



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Actual View of the Proposed Location:

The proposed lease area is located on the northeast side of the property. The site will not interfere with the existing use of the property and is an allowed use for the zone subject to an approval of a Conditional Use Permit. Access will be directly off of Coffer Lane. The site is elevated above the surrounding area and has great potential for line of site to the community down below the subject parcel. The site isn't intrusive to nearby residents nor their view points from their properties. The nearest residence is approximately 575 feet to the east. The second nearest residence is approximately 645 feet to the east. Provided this site meets and exceeds the FCC's requirements for the targeted area and is aesthetically non-intrusive to the surrounding area, this is the best site location for the Lotus Search Ring.

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Zoning Map:

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Land Use Map:

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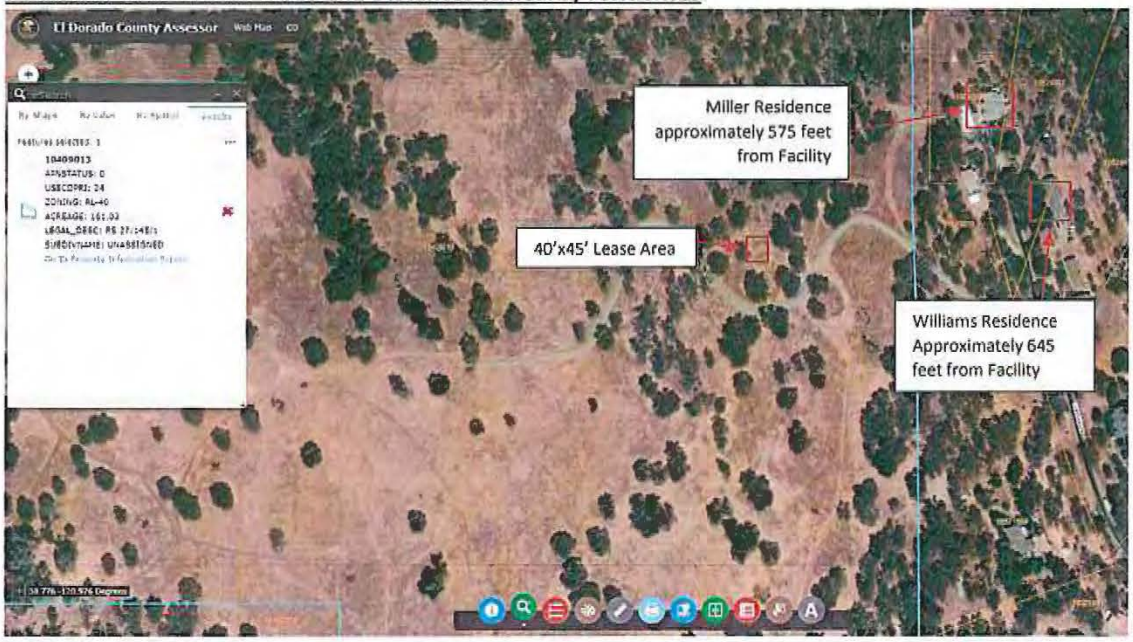
Overhead View of Lease Area and Distances to nearby residences:



Emergency 30kw Diesel Generator and 1 Ton HVAC Noise Analysis:

- **Equation and Calculation Method:**

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

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

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

Sound level L and Distance r

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

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

Sound pressure level (dB) = Sound intensity level (dB)

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

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Sound Specifications:

- Emergency Generator Model: SD030 Generac
  - Average decibel (dBa) level at 23 feet = 65 dBa
- 1 Ton HVAC Model: HVAC MarvairSlimPacECUA12ACA
  - Average decibel (dBa) level at 30 feet = 46.5 dBa
  - HVAC is intrinsically compliant with El Dorado County's Noise Level Standards, per Table 1 below, 130.37.060.1

Findings:

1. Distance from Generator to the nearest Property Line of APN 105-210-12-100 = 330'
   a. Generator Decibel level at 330' = 42.86 dBa
2. Distance from the Generator to the nearest Residence at APN 105-200-55-100 = 575'
   a. Generator Decibel level at 575' = 38.04 dBa
3. **100 feet away from sensitive receptor = 475'**
   a. **Generator Decibel level at 475' = 39.72 dBa**

Conclusion:

After calculating all decibel levels at each nearby property line and residence, the onsite Emergency Backup Generator are within El Dorado County's noise level standards according to El Dorado County Title 130 Zoning and Noise Ordinance, Chapter 130.37 – Noise Standards.

Table 1 – Eldorado County Table 130.37.060.1
Noise Level Performance Standards for Noise Sensitive Land Uses
Affected by Non-Transportation Sources

Noise Level Descriptor	Daytime 7 a.m. – 7 p.m.		Evening 7 p.m. – 10 p.m.		Night 10 p.m. – 7 a.m.	
	Community / Rural Centers	Rural Regions	Community / Rural Centers	Rural Regions	Community / Rural Centers	Rural Regions
Hourly Leq, dBA	55	50	50	45	45	40
Maximum Level, dBA	70	60	60	55	55	50

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Operation Statement:

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

PROPOSED SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / TELCO / FIBER TO SITE LOCATION
2. GRAVEL ACCESS IMPROVEMENT AT SITE LOCATION
3. 40'X45' FENCED LEASE AREA
4. INSTALL AT&T APPROVED PRE-MANUFACTURED EQUIPMENT SHELTER AND ASSOCIATED INTERIOR EQUIPMENT
5. ADD (1) PROPOSED GPS UNITS
6. ADD 120'-0" MONOPINE
7. ADD (12) ANTENNAS (4) PER ALPHA, BETA, GAMMA SECTOR
8. ADD (20) PROPOSED RRUS & (4) FUTURE RRUS
9. ADD (4) SURGE SUPPRESSORS
10. ADD 6'-0" HIGH CHAIN LINK FENCE W/ VYNAL SLATS
11. ADD 30KW AC DIESEL GENERATOR WITH ATTACHED 190 GALLON TANK

The facility will operate 24 hours a day 7 days a week. Maintenance workers will visit the site approximately once a month to once a quarter. A 15-foot-wide access route will be created directly from Coffer Lane. There will be minimal noise from the standby generator, turning on once a week for 15 minutes for maintenance purposes and during emergency power outages. The Facility is approximately 575 feet west of a residence, and approximately 645 feet west of another. The location is surrounded by oak woodlands which will naturally stealth the facility in addition to being at a higher elevation than the surrounding neighbors. The surrounding area is covered with oak woodland backdrops. The tower will be built to provide co-location opportunities. A Monopine tower was chosen to naturally blend in with the surrounding area.

Fire Suppression System:

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

Conclusion:

Candidate A, 2002 Coffer Lane, meets the FCC's mandated objectives for the targeted area of Lotus and is the best choice for the surrounding area. The chosen location will meet and exceed the FCC's mandated coverage objectives with providing hi-speed broadband internet to homes in the Lotus' Targeted area of El Dorado County. The Monopine Tower design has been chosen to blend into the natural scenery and the lower portion of the tower will be totally stealthed by the surrounding trees from all nearby dwellings. This site is the least intrusive location while filling AT&T's gap in coverage. Significant Coverage Gaps will be filled in the entire surrounding area. No oak woodlands will be impacted/removed for this location. No special species or protected animals will be impacted.