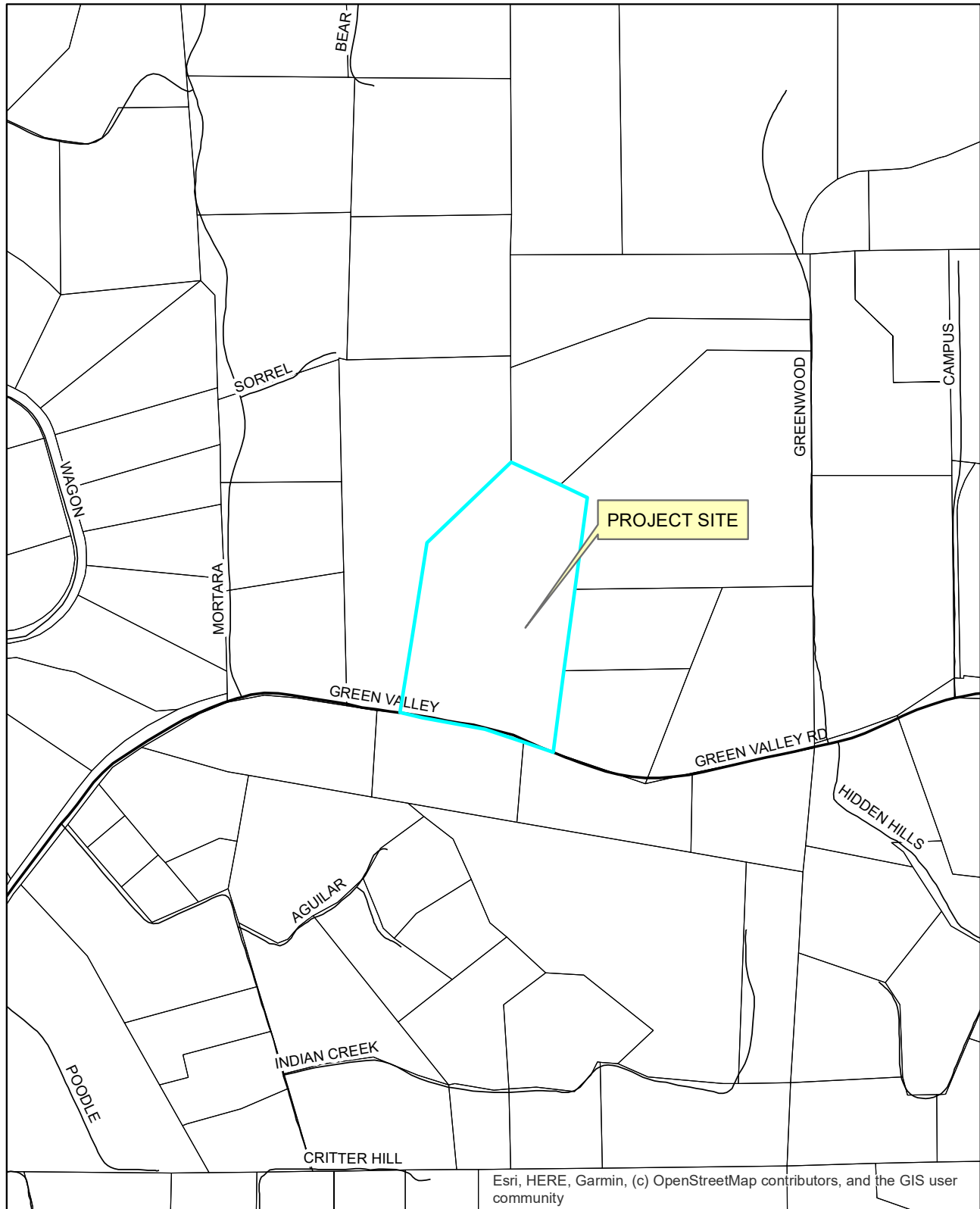


CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT A - LOCATION MAP



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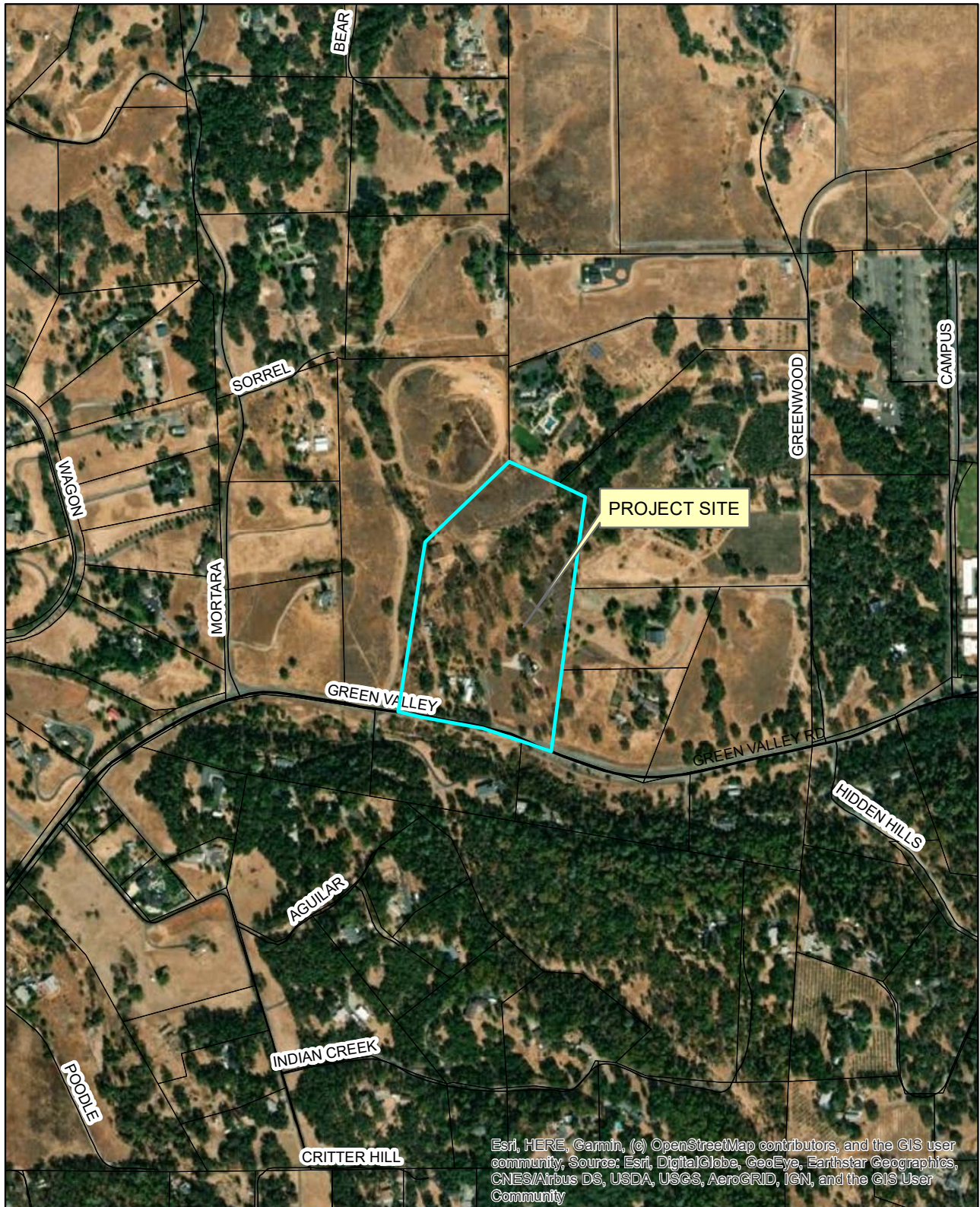
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Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

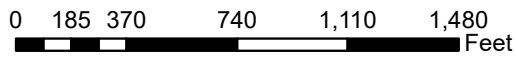
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CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT B - AERIAL MAP



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Site



**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT C - ASSESSORS PARCEL MAP**

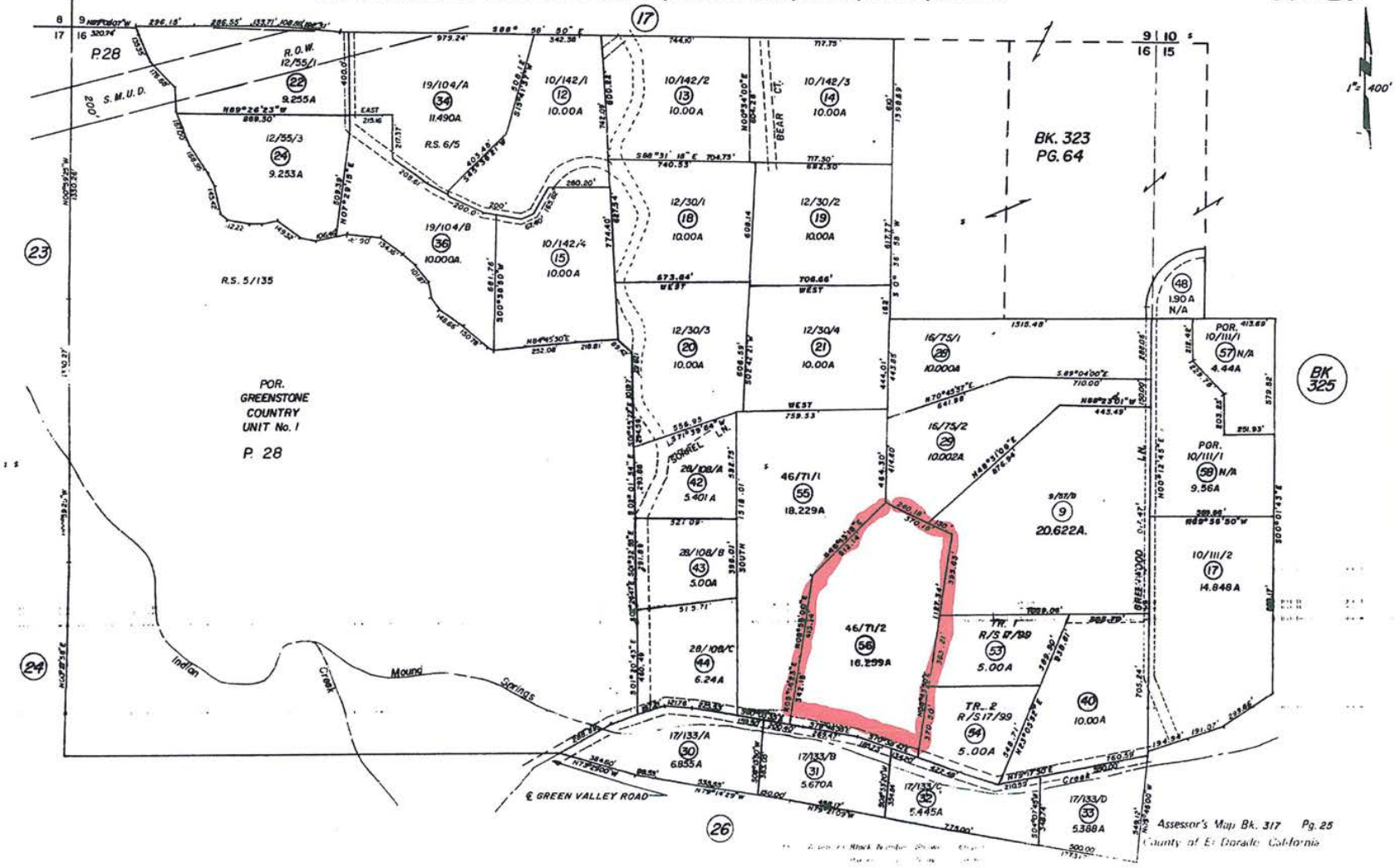
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Tax Area Code

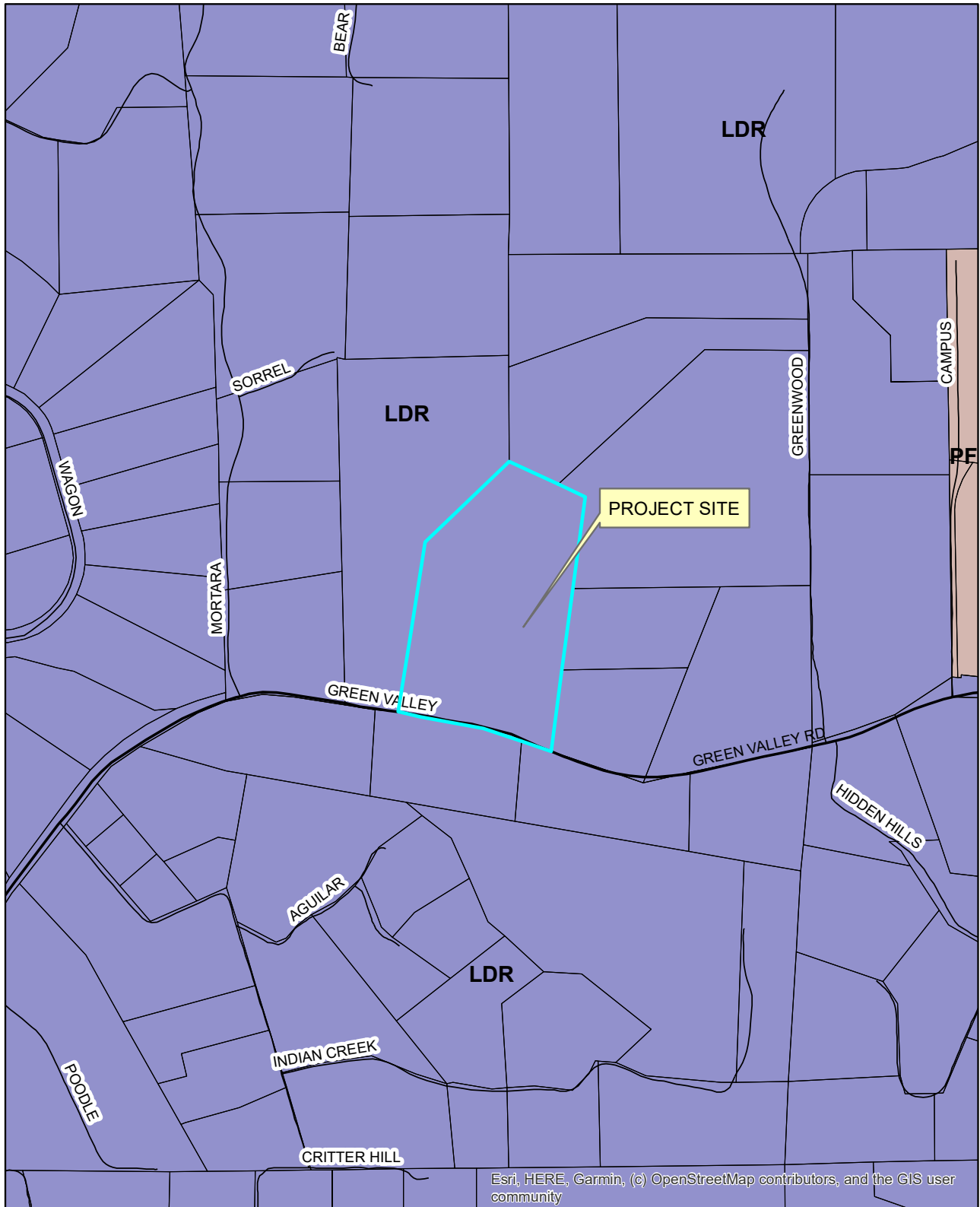
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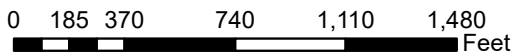
Assessor's Map Bk. 317 Pg. 25
County of El Dorado California

CUP-R21-0049

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT D - GENERAL PLAN LAND USE MAP



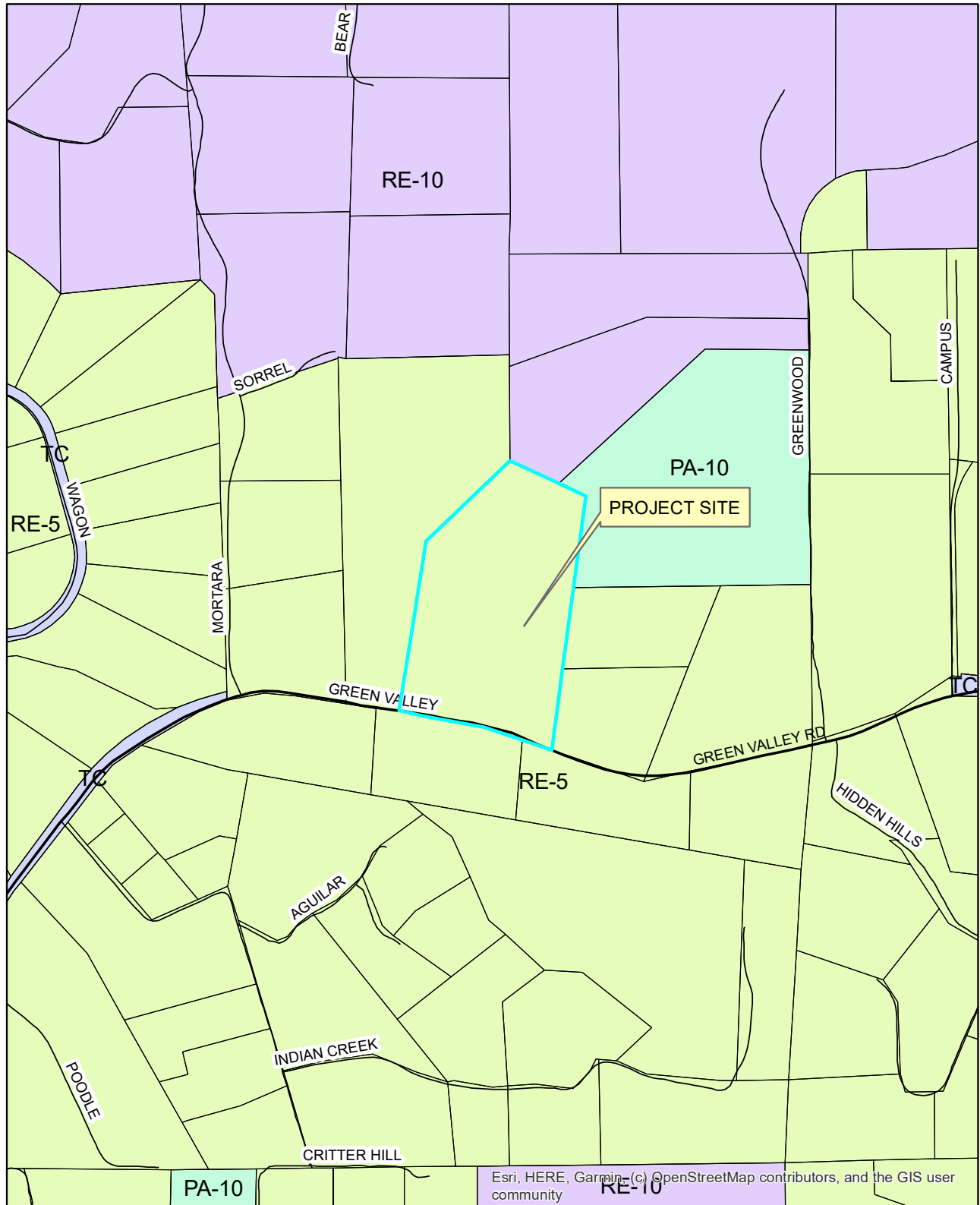
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Site



CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT E - ZONING MAP



0 185 370 740 1,110 1,480 Feet

Site



CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS

GENERAL CONSTRUCTION NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR - GENERAL CONTRACTOR
SUBCONTRACTOR - CONTRACTOR (CONSTRUCTION)
OWNER - AT&T
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
3. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE NEW WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL AT&T, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE SPACE FOR APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
10. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
11. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
12. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
13. WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO THE BEGINNING OF CONSTRUCTION.
14. SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
15. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
16. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
17. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
18. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
19. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
20. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A TO 2-A10-B-C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
21. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT/ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, D) TRENCHING & EXCAVATION.
22. ALL EXISTING WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ARCHITECT/ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
23. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
24. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
25. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
26. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 90 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
27. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
28. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
29. SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
30. SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
31. THE NEW FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
32. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
33. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE NEW.
34. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING", IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
35. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
36. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
37. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
38. NO WHITE STROBE LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
39. ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
40. NO NOISE, SMOKE, DUST, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF THIS SITE HAS A GENERATOR)
41. NO ADDITIONAL PARKING TO BE NEW. EXISTING ACCESS AND PARKING TO REMAIN, UNLESS NOTED OTHERWISE.
42. NO LANDSCAPING IS NEW AT THIS SITE, UNLESS NOTED OTHERWISE.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY "CONSTRUCTION MANAGER" AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE "CONSTRUCTION MANAGER" HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
C - NATIONAL FIRE CODES
A. UL - UNDERWRITERS LABORATORIES
B. NEC - NATIONAL ELECTRICAL CODE
C. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
D. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
E. SBC - STANDARD BUILDING CODE
4. DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH "CONSTRUCTION MANAGER" ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
7. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
8. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
9. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE.
10. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
11. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
12. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
13. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY AT&T.
14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
16. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
17. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
18. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
19. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS "EXCAVATION, AND BACKFILLING."
20. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEC.
21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURES CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
22. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE "CONSTRUCTION MANAGER" UPON FINAL ACCEPTANCE.
23. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
24. DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
25. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
26. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-9 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH "BRITZ ZINC" OR "GOLD GALV".
27. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
28. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 800 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
29. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
30. SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
31. TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
32. ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
33. CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM"
34. ALL BOLTS SHALL BE STAINLESS STEEL.

GROUNDING NOTES:

1. COMPRESSION CONNECTIONS (2) 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "T") WITH 1" HIGH LETTERS.
3. ALL HARDWARE SHALL BE STAINLESS STEEL INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
4. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
6. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
7. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
8. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER.

FOUNDATION, EXCAVATION & BACKFILL NOTES:

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL.
2. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS. SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
3. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF INADEQUATE BEARING CAPACITY IS REACHED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION, ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
4. ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS SAND, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
5. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTION TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.
6. NEW LY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK FILLING. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS. PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.
7. NEW LY GRADED SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY "CONSTRUCTION MATERIAL 1-800-239-3841" OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE OCCURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICH EVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. FDOT TYPE NO. 57 FOR FENCED COMPOUND; FDOT TYPE NO. 67 FOR ACCESS DRIVE AREA.
8. IN ALL AREAS TO RECEIVE FILL, REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. FLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.
9. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.
10. IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.
11. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED WITH THE CONDITION THAT ANY UNFAVORABLE AMOUNTS OF ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ANY ADDITIONAL GRAVEL RESURFACING MATERIAL AS NEEDED TO PROVIDE A FULL DEPTH COMPACTED SURFACE THROUGHOUT SITE.
12. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTION AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTION WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.
13. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING "MATS" OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO EXISTING GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.
14. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
15. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.

ISSUED FOR:
**DRY CREEK
JONESVILLE
6521 GREEN VALLEY
ROAD
PLACERVILLE, CALIFORNIA
95667**



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% 20a REV-RFOS/RLS	WD
C	04/28/2021	100% 20a	MF
B	03/22/2021	100% 20a	SD
A	02/05/2021	90% 20a FOR REVIEW	SD


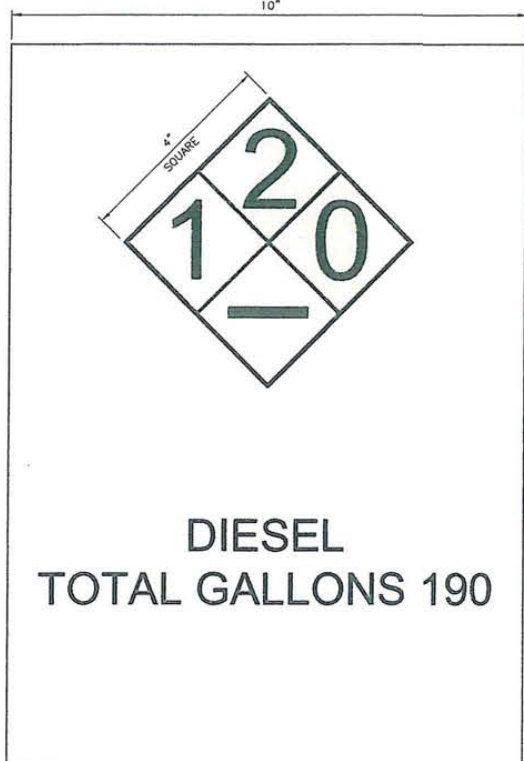
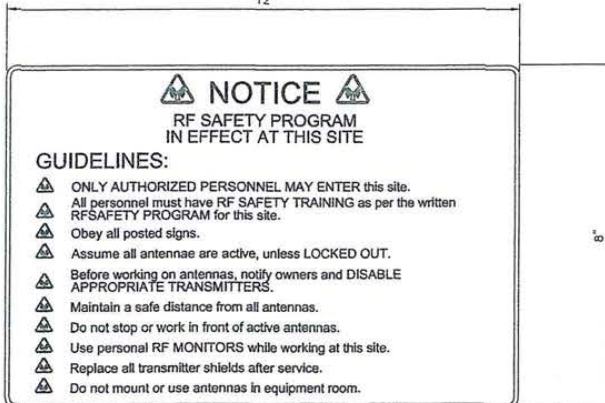



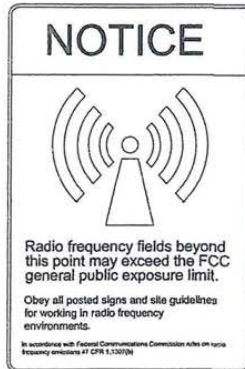
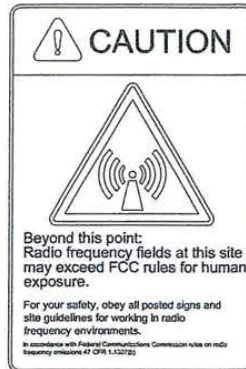



LICENSOR:

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

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**

<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>REQUIRED BATTERY NFPA SIGNAGE</p> </div> <div style="text-align: center;">  <p>DIESEL TOTAL GALLONS 190</p> </div> </div>	<div style="text-align: center;">  <p>NOTICE RF SAFETY PROGRAM IN EFFECT AT THIS SITE</p> <p>GUIDELINES:</p> <ul style="list-style-type: none"> ⚠ ONLY AUTHORIZED PERSONNEL MAY ENTER this site. ⚠ All personnel must have RF SAFETY TRAINING as per the written RFSAFETY PROGRAM for this site. ⚠ Obey all posted signs. ⚠ Assume all antennae are active, unless LOCKED OUT. ⚠ Before working on antennae, notify owners and DISABLE APPROPRIATE TRANSMITTERS. ⚠ Maintain a safe distance from all antennae. ⚠ Do not stop or work in front of active antennae. ⚠ Use personal RF MONITORS while working at this site. ⚠ Replace all transmitter shields after service. ⚠ Do not mount or use antennae in equipment room. </div>	<p>ISSUED FOR: DRY CREEK JONESVILLE 6521 GREEN VALLEY ROAD PLACERVILLE, CALIFORNIA 95667</p>  <p>5001 EXECUTIVE PARKWAY SAN RAMON, CALIFORNIA 94583</p>  <p>Connecting a Wireless World</p>  <p>1387 CALLE AYANZADO SAN CLEMENTE CA 92873 (949) 391-0524</p> <table border="1" style="width:100%; font-size: 8px;"> <tr><td>AT&T SITE NO:</td><td>CVL03123</td></tr> <tr><td>PROJECT NO:</td><td>13787633</td></tr> <tr><td>DRAWN BY:</td><td>SD</td></tr> <tr><td>CHECKED BY:</td><td>MM</td></tr> </table> <table border="1" style="width:100%; font-size: 8px;"> <tr><td>D</td><td>07/21/2021</td><td>100% Zds</td><td>REV-RFDS/RLS</td><td>WD</td></tr> <tr><td>C</td><td>04/26/2021</td><td>100% Zds</td><td></td><td>MF</td></tr> <tr><td>B</td><td>03/22/2021</td><td>100% Zds</td><td></td><td>SD</td></tr> <tr><td>A</td><td>02/04/2021</td><td>50% Zds</td><td>FOR REVIEW</td><td>SD</td></tr> <tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td></td><td>BY</td></tr> </table>	AT&T SITE NO:	CVL03123	PROJECT NO:	13787633	DRAWN BY:	SD	CHECKED BY:	MM	D	07/21/2021	100% Zds	REV-RFDS/RLS	WD	C	04/26/2021	100% Zds		MF	B	03/22/2021	100% Zds		SD	A	02/04/2021	50% Zds	FOR REVIEW	SD	REV	DATE	DESCRIPTION		BY
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<p>SITE IDENTIFICATION SIGNAGE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4</p>	<p>RF SIGNAGE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>NOTICE</p> </div> <div style="text-align: center;">  <p>CAUTION</p> </div> <div style="text-align: center;">  <p>WARNING</p> </div> </div>	<p>LICENSOR:</p> <p>IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.</p> <p>SHEET TITLE GENERAL NOTES</p> <p>SHEET NUMBER GN-2</p>																																	
<p>PROP 65 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5</p> <div style="text-align: center;">  </div>	<p>NO TRESPASSING SIGNAGE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3</p> <div style="text-align: center;">  </div>																																		

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**

SITE WORK & DRAINAGE

PART 1 -- GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE NEW WORK SHOWN IN THESE PLANS.

1.1 REFERENCES:

- DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
- ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
- OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

1.2 INSPECTION AND TESTING:

- FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTOR INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR.
- ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

1.3 SITE MAINTENANCE AND PROTECTION:

- PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
 - AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
 - KEEP SITE FREE OF ALL PONDING WATER.
 - PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
 - PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
 - EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
- * PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

PART 2 -- PRODUCTS

- SUITABLE BACKFILL: ASTM D2321 (CLASS I, II, III OR IVA) FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- NON-POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE AGGREGATE, FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR I) COARSE AGGREGATE FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- SELECT STRUCTURAL FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850-95.
- FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED.
- GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW-SM).
- COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940.
- UNUSABLE MATERIAL: HIGH AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45) MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS FT, MH, CH, OH, ML, AND OL.
- GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUAL.
- PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6 INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL CONDUCTORS, POLE BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.

PART 2 -- EXECUTION

3.1 GENERAL:

- BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ANY TIME.
- BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
- CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.

- REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
- REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.
- EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.
- REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
- PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE NEW CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
- SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.

3.2 BACKFILL:

- AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
- PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
- BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
- WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS.
- THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.3 TRENCH EXCAVATION:

- UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.

- WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.

3.5 AGGREGATE ACCESS ROAD:

- CLEAR, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF-ROLL. ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED.
- THE ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 1557.
- AFTER PREPARATION OF THE SUBGRADE IS COMPLETE, THE GEOTEXTILE FABRIC (MIRAFI 500X) SHALL BE INSTALLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG THE ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, ROLLING OUT AS SMOOTHLY AS POSSIBLE.
- OVERLAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY SURFACE WIDTH (I.E. WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3 FEET WIDE.
- TRANSVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3 FEET.
- ALL OVERLAPS SHALL BE PINNED WITH STAPLES OR NAILS A MINIMUM OF 10 INCHES LONG TO INSURE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25 FOOT CENTERS AND TRANSVERSE SEAMS EVERY 5 FEET.
- THE AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 INCH (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE END-DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. THE FIRST LIFT SHALL BE BLADED DOWN TO A THICKNESS OF 8 INCHES PRIOR TO COMPACTION. AT NO TIME SHALL EQUIPMENT, EITHER TRANSPORTING THE AGGREGATE OR GRADING THE AGGREGATE, BE PERMITTED ON THE ROADWAY WITH LESS THAN 4 INCHES OF MATERIAL COVERING THE FABRIC.
- THE AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, OR WITH A PNEUMATIC-TYRED ROLLER, OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE TOP LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE-WHEEL OR TANDEM ROLLER.

3.6 FINISH GRADING:

- PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE GRADATION OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
- UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
- ACHIEVE FINISHED GRADE BY PLACING A MINIMUM OF 4 INCHES OF 1/2" - 3/4" CRUSHED STONE ON TOP SOIL STABILIZER FABRIC.
- REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.

3.7 ASPHALT PAVING ROAD:

- DIVISION 800 - KDOT FLEXIBLE PAVEMENT. (UPDATE PER LOCAL DOT)
- SECTION 403 - MDOT ASPHALT CONCRETE PAVEMENT.

ENVIRONMENTAL NOTES

- ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
- CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS AND SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
- CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
- NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
- CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
- SEEDING AND MULCHING AND/OR SOODING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
- CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
- RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.

CONCRETE NOTES

- MIX DESIGN REQUIREMENTS: (UNLESS NOTED OTHERWISE)
 - CEMENT SHALL CONFORM TO ASTM C-150, TYPE II
 - COMPRESSIVE STRENGTH = 4,000 PSI
 - CONCRETE SLUMP SHALL BE 3"+/-1" FOR SLABS AND 4"+/-1" FOR ALL OTHER WORK
 - WATER CEMENT RATIO = 0.46 MAX
- AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (1" MAXIMUM SIZE), AND ASTM C-330 FOR STRUCTURAL LIGHT WEIGHT CONCRETE.
- WHERE CONCRETE WILL BE IN CONTACT WITH NATIVE OR IMPORTED SOIL WHICH HAS A VERY SEVERE SULFATE CONTENT, POZZOLAN SHALL BE ADDED AS REQUIRED.
- EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE.
- WATER SHALL BE POTABLE OR CLEAN, FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIS OR ORGANIC MATERIALS, OILS, AND SALTS.
- READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94.
- FLOOR SLABS SHALL CONFORM TO ASTM C-38 STANDARDS AND SHALL BE AT LEAST 3 1/2 INCHES THICK -- SEE FOUNDATION PLANS FOR REINFORCEMENT, BASE, UNDERLAYMENT, VAPOR BARRIER OR OTHER SPECIFIC REQUIREMENTS.
- FLOOR SLABS SHALL BE LEVEL OR TRUE SLOPES AS SHOWN ON DRAWINGS. TOLERANCE: 1/8 INCH IN 10 FEET
- PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.
- PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
- ALL EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE.
- FORMWORK SHALL REMAIN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL RESPONSIBILITY FOR REMOVAL AND RESHORING.
- PROVIDE CONCRETE SLABS OVER A 10 MIL POLYETHYLENE VAPOR BARRIER OVER 4" OF POROUS FILL UNLESS NOTED OTHERWISE.
- ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR MATERIAL. POROUS FILL SHALL BE COMPACTED TO 90% MAX. DRY DENSITY.
- WALKWAYS AND OTHER EXTERIOR SLABS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS. PROVIDE 4" WALKS REINFORCED WITH 6X6 - W4XW1.4 WWF UNLESS OTHERWISE NOTED.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE CBC AND TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," EXCEPT AS SPECIFIED HEREIN.
- ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL.
- MONOPOLE CAISSONS ARE DESIGNED BY OTHERS. PROVIDE ADEQUATE SEPARATION AND/OR COMPRESSIBLE MATERIAL AROUND THE TOP OF THE CAISSON AS DIRECTED BY THE CAISSON ENGINEER TO PROTECT ADJACENT NEW AND EXISTING FOUNDATIONS AND OTHER ELEMENTS.
- CONTROL JOINTS SHALL BE PLACED IN ALL CONCRETE SLABS PER THE SCHEDULE BELOW. SAWCUT WITHIN 4 HOURS AFTER THE POUR USING THE "SOFF-CUT" PROCEDURE.

SLAB THICKNESS	MAXIMUM SPACING
4"	10'-0"
5"	12'-0"
6" AND LARGER	15'-0"

REINFORCING STEEL NOTES

- ALL REINFORCING SHALL BE NEW DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR ASTM A706, GRADE 60. ALL WELDED REINFORCING BARS SHALL CONFORM TO ASTM A706.
- REINFORCING STEEL SPLICE/DEVELOPMENT LENGTHS SHALL CONFORM TO THE FOLLOWING MINIMUM LENGTHS UNLESS NOTED OTHERWISE: SPLICED BARS SHALL BE WIRE TIED TOGETHER.

SPLICE/DEVELOPMENT LENGTH (INCHES)	BAR SIZE	
	TOP BAR	OTHER BAR
#3	28	22
#4	37	29
#5	47	36
#6	56	43
#7	65	53
#8	73	62
#9	105	81
#10	116	89

THE BAR LENGTHS APPLY TO HORIZONTAL REINFORCEMENT PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE SPLICE OR DEVELOPMENT LENGTH. COMPRESSION DEVELOPMENT: 22 BAR DIAMETERS. LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2"

- MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE:

UNFORMED SURFACE IN CONTACT WITH THE GROUND:	3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER	
#6 BARS AND LARGER:	2"
#5 BARS AND SMALLER:	1.5"
FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER	
BEAMS, GIRDERS AND COLUMNS:	1.5"
SLABS, WALLS AND JOISTS	
#11 BARS AND SMALLER:	0.75"

- ALL REINFORCING SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.
- WELDING: BARS SHALL NOT BE WELDED UNLESS AUTHORIZED. WHEN AUTHORIZED, CONFORM TO ACI 301 SEC 3.2, 2.2, AND AWS D1.4 "WELDING" AND PROVIDE ASTM A706, GRADE 60 REINFORCEMENT.
- FIELD BENDING: CONFORM TO ACI 301 SEC 3.3.2.8 "FIELD BENDING OR STRAIGHTENING". BAR SIZES #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. OTHER BARS REQUIRE PREHEATING. DO NOT TWIST BARS.
- ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DETAILS.

ISSUED FOR:
DRY CREEK JONESVILLE
6521 GREEN VALLEY ROAD
PLACERVILLE, CALIFORNIA 95667



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% 20s REV-RFIS/PLS	ND
C	04/28/2021	100% 20s	MF
B	03/22/2021	100% 20s	SD
A	02/04/2021	80% 20s FOR REVIEW	SD

LICENSOR:

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SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3

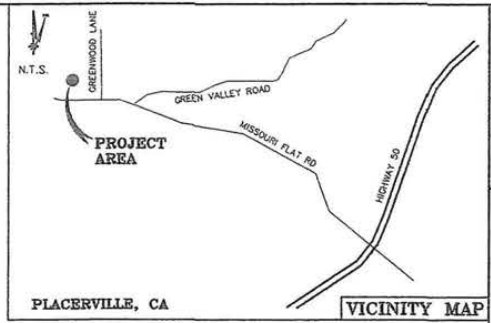
CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS

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: 12-18-18
 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. 89 DATUM. ABOVE MEAN SEA LEVEL.
 N.G.V.D. 1929 CORRECTION: SUBTRACT 2.69' FROM ELEVATIONS SHOWN.
 CONTOUR INTERVAL: 1'
 CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.
 ASSESSOR'S PARCEL NUMBER: 317-250-56-100
 OWNER(S): BLAIR CLARKE & BROOKS MITCHELL
 6521 GREEN VALLEY ROAD
 PLACERVILLE, CA 95667

Cell Engineering
 Engineering • Surveying • Planning
 1226 High Street
 Auburn, California 95603-5015
 Phone: (530) 885-0426 • Fax: (530) 823-1309
 A.T. & T. Mobility
 Project No./Name: CVL03123 / DRY CREEK JONESVILLE
 Project Site Location: 6521 Green Valley Road
 Placerville, CA 95667
 El Dorado County
 Date of Observation: 12-18-18
 Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.
 Type of Antenna Mount: Existing Monopine Tower
 Coordinates (Tower)
 Latitude: N 38° 43' 14.52" (NAD83) N 38° 43' 14.87" (NAD27)
 Longitude: W 120° 52' 32.19" (NAD83) W 120° 52' 28.41" (NAD27)
 ELEVATION of Ground at Structure (NAVD88) 1527.6' AMSL
 STRUCTURE HEIGHT (Top Tower) NOT VISIBLE
 OVERALL HEIGHT (Tallest Branch) 75.2' AGL
 CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed 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



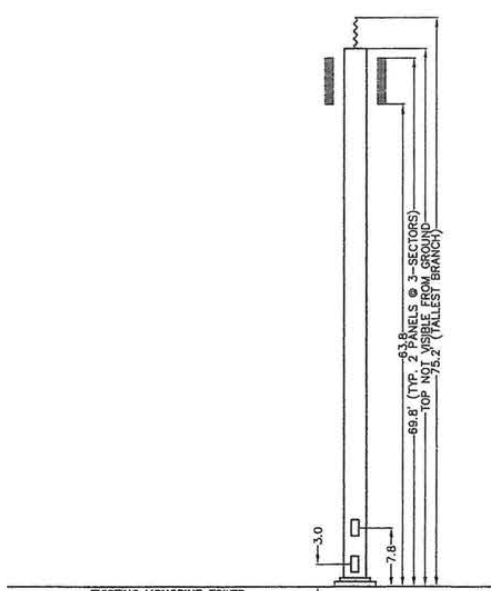
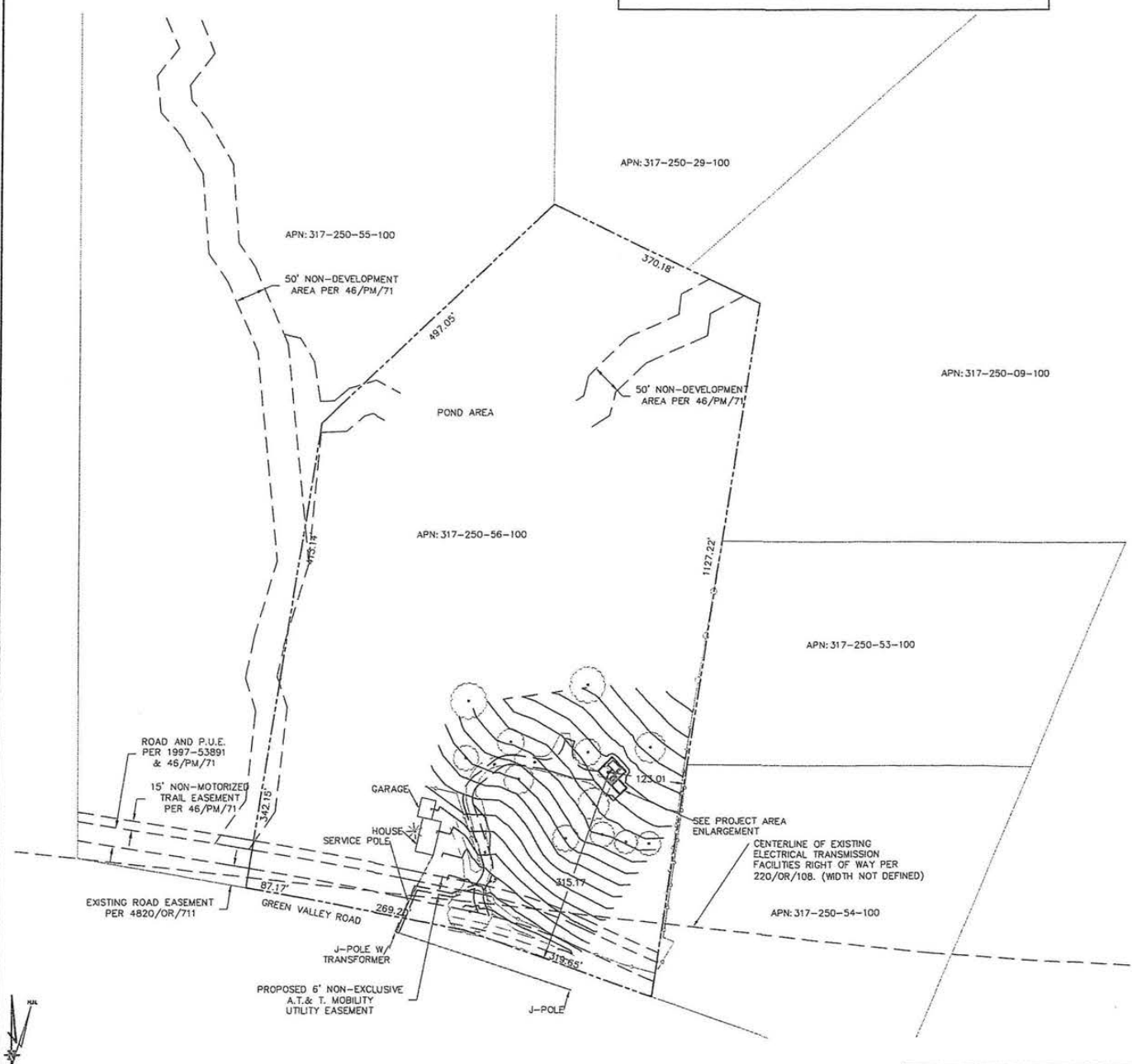
DEPT	APPROVED	DATE
ABC		
REC		
INT		
RF		
EE/VN		
OPS		
EE/OUT		

Surveyor
GEIL ENGINEERING
 ENGINEERING • SURVEYING • PLANNING
 1226 HIGH STREET
 AUBURN, CALIFORNIA 95603
 PHONE: (530) 885-0426
 FAX: (530) 823-1309



CVL03123
 DRY CREEK JONESVILLE
 6521 GREEN VALLEY ROAD
 PLACERVILLE, CA 95667
 PLOT PLAN AND
 SITE TOPOGRAPHY

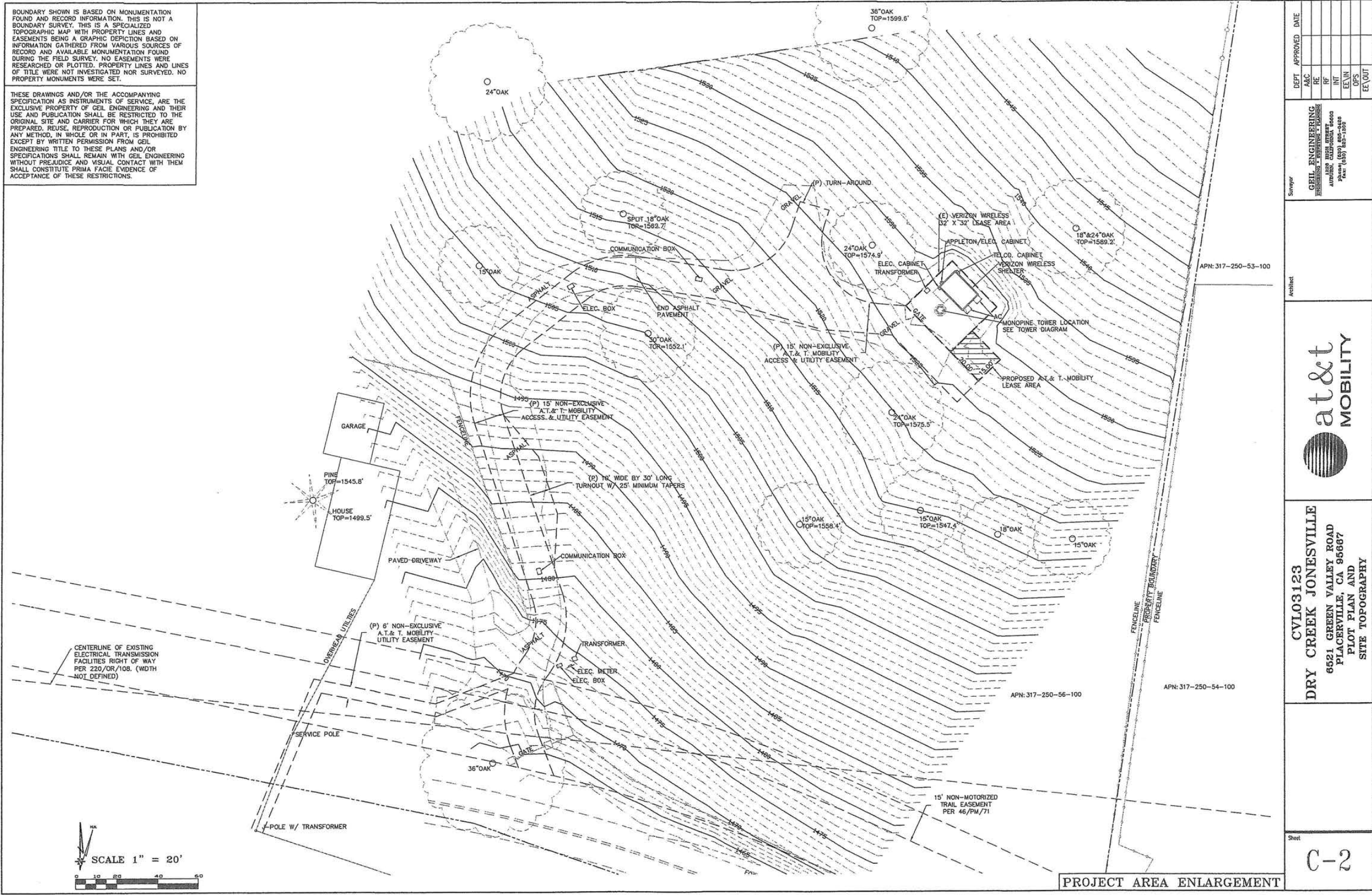
Lease Area Description
 All that certain lease area being a portion of Parcel 2 as is shown on that certain Parcel Map filed for record at Book 46 of Parcel Maps at Page 71, Official Records of El Dorado County, being located in the City of Placerville, County of El Dorado, State of California, being more particularly described as follows:
 Commencing at a 3/4" Iron Pipe Stamped LS3864 set at the Northwest corner of Tract 1 as is shown on that certain Record of Survey filed for record at Book 17 of Surveys at Page 99, Official Records, from which a similar monument stamped RCE14747 set at the Southwest corner of the above referenced Tract 1 bears South 08°44'17" West 363.14 feet; thence from said point of commencement South 23°32'07" West 416.03 feet to the True Point of Beginning; thence from said point of beginning South 44°03'06" East 20.00 feet; thence South 45°56'54" West 15.00 feet; thence North 44°03'06" West 20.00 feet; thence North 45°56'54" East 15.00 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 South 45°56'54" West 7.50 feet from the most Southerly corner of the above described lease area and running thence from said point of beginning North 44°03'06" West 49.18 feet; thence North 85°18'26" West 35.89 feet; thence North 73°48'16" West 22.05 feet to a point hereafter defined as Point "A"; thence continuing North 73°48'16" West 32.17 feet; thence North 80°57'56" West 42.88 feet; thence through a curve to the left having a radius of 37.50 feet, the chord of which bears South 75°40'18" West 28.74 feet, through an arc distance of 30.58 feet; thence South 52°18'27" West 40.33 feet; thence through a curve to the left having a radius of 37.50 feet, the chord of which bears South 16°54'03" West 43.45 feet, through an arc distance of 46.35 feet; thence South 18°30'20" East 91.58 feet; thence through a curve to the right having a radius of 37.50 feet, the chord of which bears South 09°38'52" West 35.39 feet, through an arc distance of 36.85 feet to a point hereafter defined as Point "B"; thence continuing through said curve to the right through an arc distance of 3.80 feet, the chord of which bears South 34°53'52" West 3.80 feet; thence through a curve to the left having a radius of 37.50 feet, the chord of which bears South 05°52'24" West 33.02 feet, through an arc distance of 34.19 feet; thence South 20°14'52" East 16.8 feet more or less to the public right of way more commonly known as Green Valley Road.
 Also together with a non-exclusive easement for access purposes fifteen feet in width the centerline of which is described as follows: beginning at Point "A" as previously defined and running thence North 17°12'49" East 50.11 feet.
 Also together with a non-exclusive easement for utility purposes, six feet in width, the centerline of which is described as follows: beginning at Point "B" as previously defined and running thence South 68°46'52" West 50.60 feet; thence North 78°20'45" West 59.57 feet; thence South 22°43'11" West 77 feet more or less to the existing utility pole.
 Also together with a non-exclusive easement for utility purposes from the above described lease area to the existing monopine tower; thence up, over, and upon said tower as is necessary to install, operate, and maintain the necessary communications equipment.



REVISIONS	DATE	BY	DESCRIPTION
REV	12-18-18	KG	PRELIMINARY DRAWING
REV	10-20-18	KG	LEASE AREA PLACED
REV	10-24-18	KG	LEASE AREA MOD.
REV	10-24-18	KG	LEASE AREA MOD.
REV	10-24-18	KG	LEASE AREA MOD.
REV	10-24-18	KG	LEASE AREA MOD.
REV	10-24-18	KG	LEASE AREA MOD.
REV	10-24-18	KG	LEASE AREA MOD.

Sheet
C-1

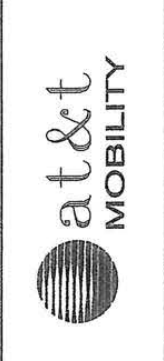
**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**



DEPT	APPROVED	DATE
A&C		
RE		
INT		
EE/IN		
OPS		
EE/OUT		

Surveyor
GEIL ENGINEERING
PROFESSIONAL ENGINEERING & PLANNING
4800 HIGHWAY 99
SUITE 1000
PLACERVILLE, CA 95667
Phone: (530) 835-1335

Architect



**CVL03123
DRY CREEK JONESVILLE
6621 GREEN VALLEY ROAD
PLACERVILLE, CA 95667
PLOT PLAN AND
SITE TOPOGRAPHY**

Sheet

C-2

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS

NOTES:

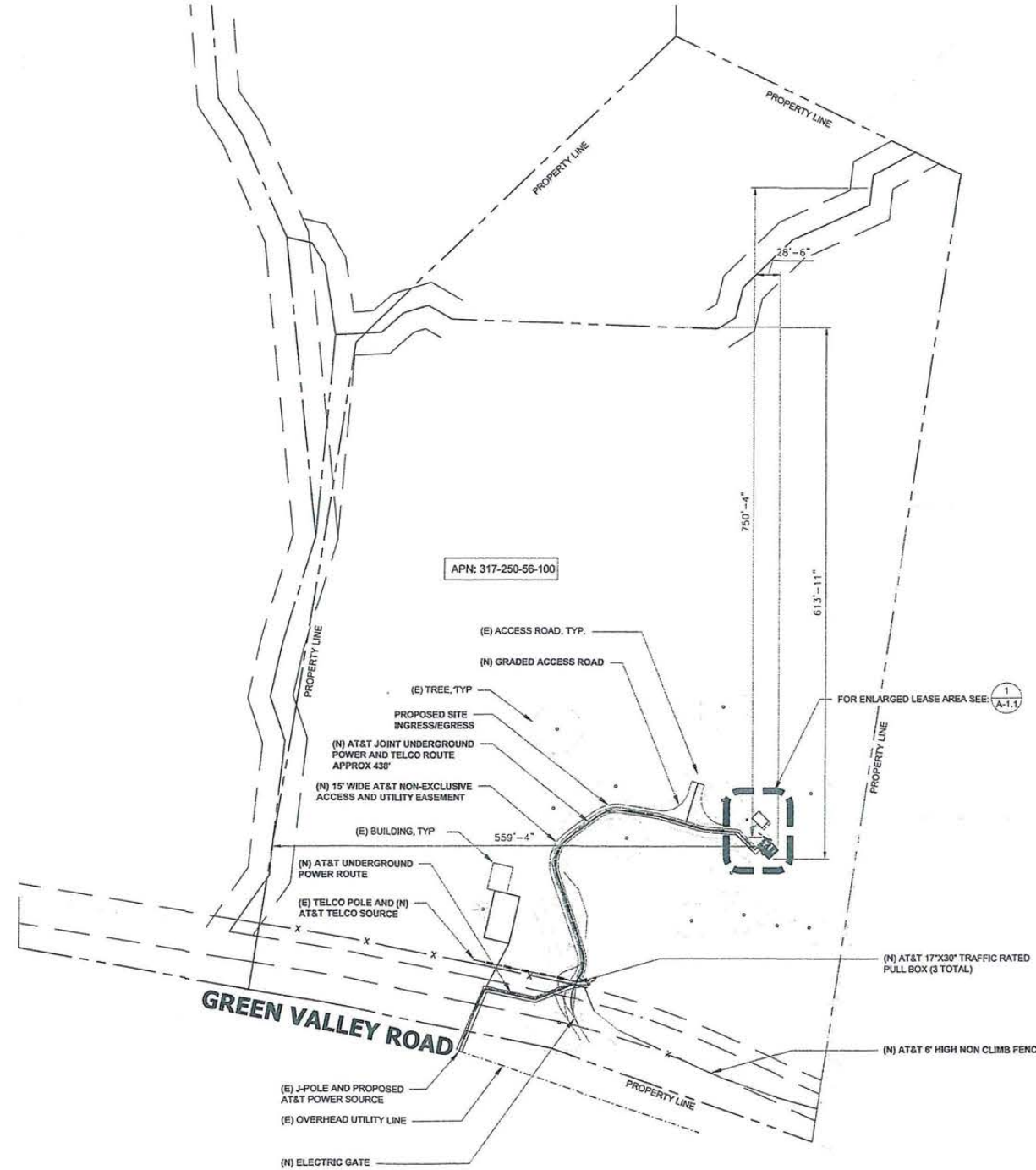
1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
3. THE BELOW GRADING INFORMATION IS AN ESTIMATE:
 - TRENCH IS TO BE 3'-0" DEEP AND 16" WIDE - ALL SPOILS TO BE PLACED BACK INTO TRENCH & COMPACTED TO 90%
 - CONCRETE FOOTING IS TO BE 18 YARDS WITH A 5'-0" DIA.
 - CONCRETE PAD IS TO BE 9 YARDS TOTAL DISPLACEMENT - HALF ABOVE GRADE; DIRT TO BE IMPACTED 5 YARDS UNDER
 - ALL SPOILS TO BE REMOVED FROM PROJECT SITE



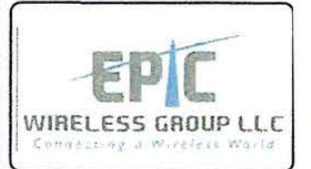
DISCLAIMER:
THIS SET OF DRAWINGS WAS PREPARED UTILIZING INFORMATION OBTAINED FROM PUBLIC DOCUMENTS MADE AVAILABLE ON THE JURISDICTIONS WEBSITE. M SQUARED WIRELESS CANNOT GUARANTEE THE ACCURACY OF THE DATA AND INFORMATION DEPICTED ON THE JURISDICTIONS WEBSITE AND HEREBY EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE TRUTH, VALIDITY, INVALIDITY, ACCURACY, INACCURACY OF ANY SAID DATA AND INFORMATION. THE PARCEL LINES ON MAPS ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A SURVEY PRODUCT. USER ACCEPTS RESPONSIBILITY FOR THE UNAUTHORIZED USE OR TRANSMISSION OF ANY SUCH DATA OR INFORMATION IN ITS ACTUAL OR ALTERED FORM.

LEGEND

- PROPERTY LINE - SUBJECT PARCEL
- EXISTING SETBACK LINE
- EXISTING FENCE LINE
- EXISTING ROAD
- EXISTING BUILDING



ISSUED FOR:
**DRY CREEK
JONESVILLE**
6521 GREEN VALLEY
ROAD
PLACERVILLE, CALIFORNIA
95667



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV-RFDS/RLS	WD
C	04/28/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

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SHEET TITLE
SITE PLAN

SHEET NUMBER
A-0

SITE PLAN

24"x36" SCALE: 1" = 80'-0"
11"x17" SCALE: 1" = 160'-0"
80' 40' 0' 80' 1

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS

NOTES:

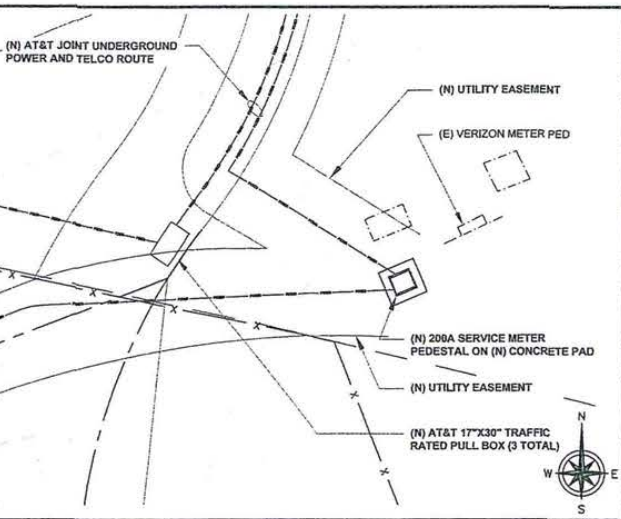
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 - CONCRETE FOOTING IS TO BE 18 YARDS WITH A 5'-0" DIA.
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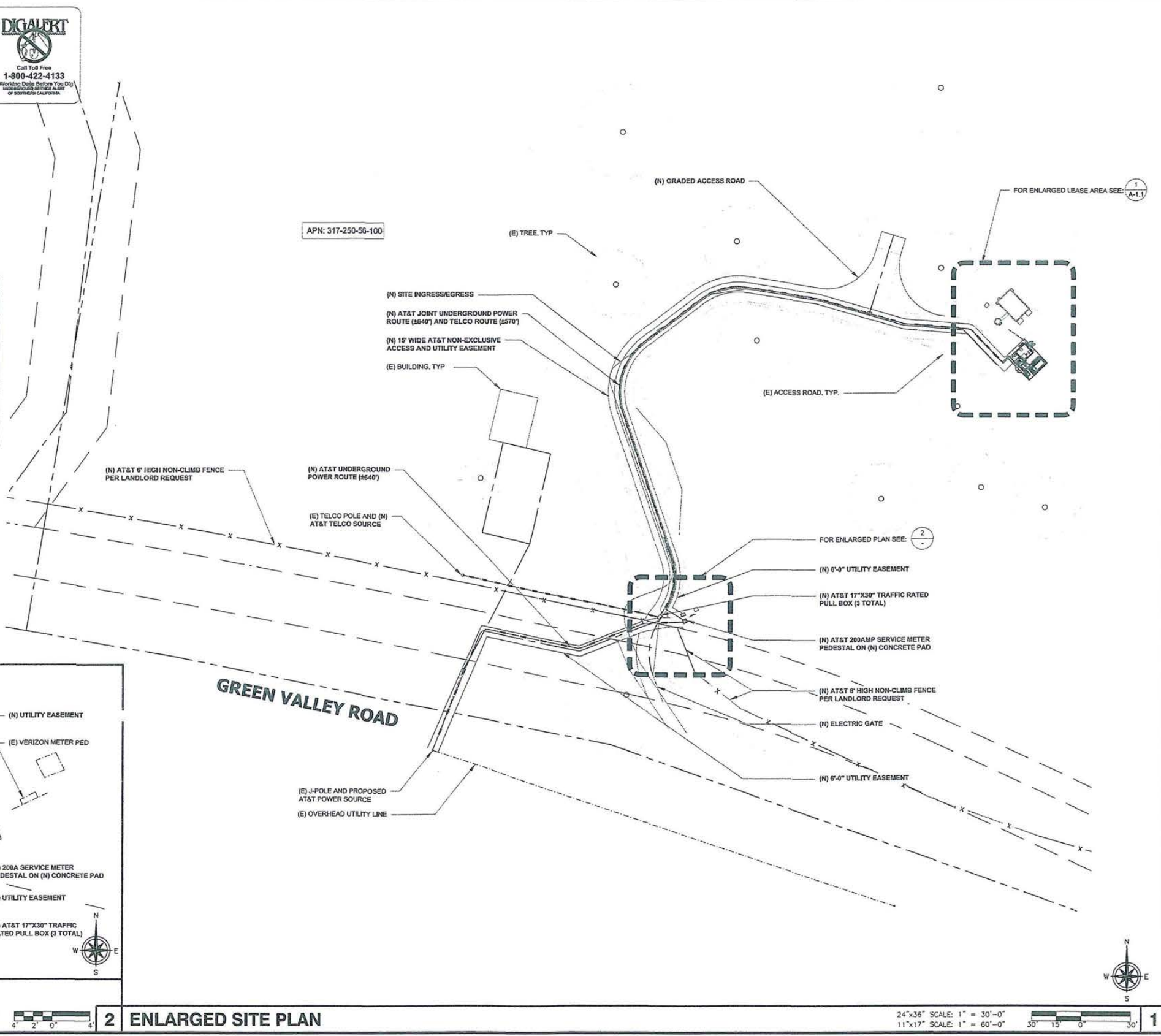
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LEGEND

	PROPERTY LINE - SUBJECT PARCEL
	EXISTING SETBACK LINE
	EXISTING FENCE LINE
	EXISTING ROAD
	EXISTING BUILDING



ENLARGED PLAN
24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"



2 ENLARGED SITE PLAN

24"x36" SCALE: 1" = 30'-0"
11"x17" SCALE: 1" = 60'-0"

ISSUED FOR:
DRY CREEK JONESVILLE
6521 GREEN VALLEY ROAD
PLACERVILLE, CALIFORNIA 95667



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% 2D REV-RFDS/RLS	WD
C	04/28/2021	100% 2D	MF
B	03/22/2021	100% 2D	SD
A	02/06/2021	90% 2D FOR REVIEW	SD

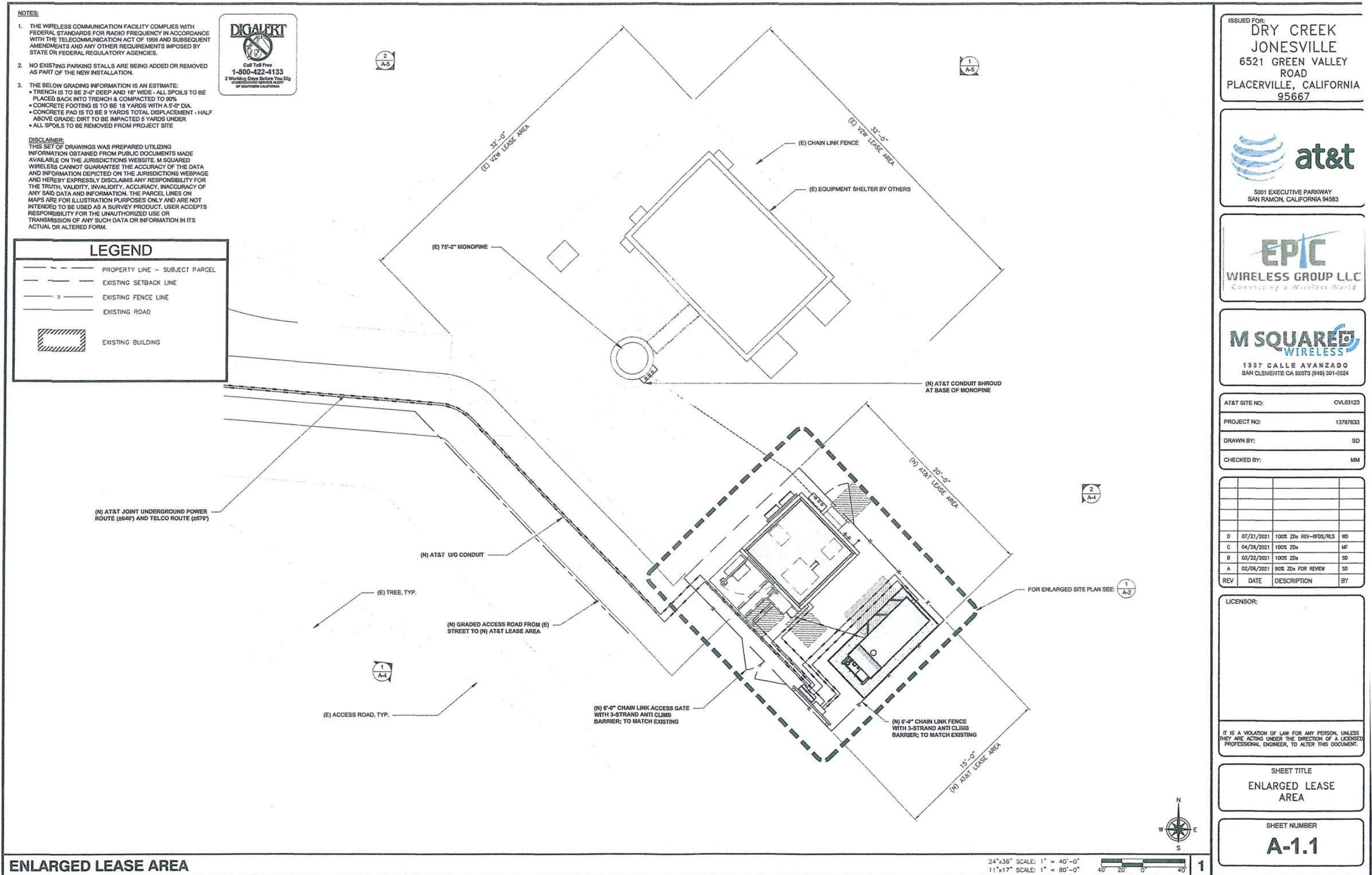
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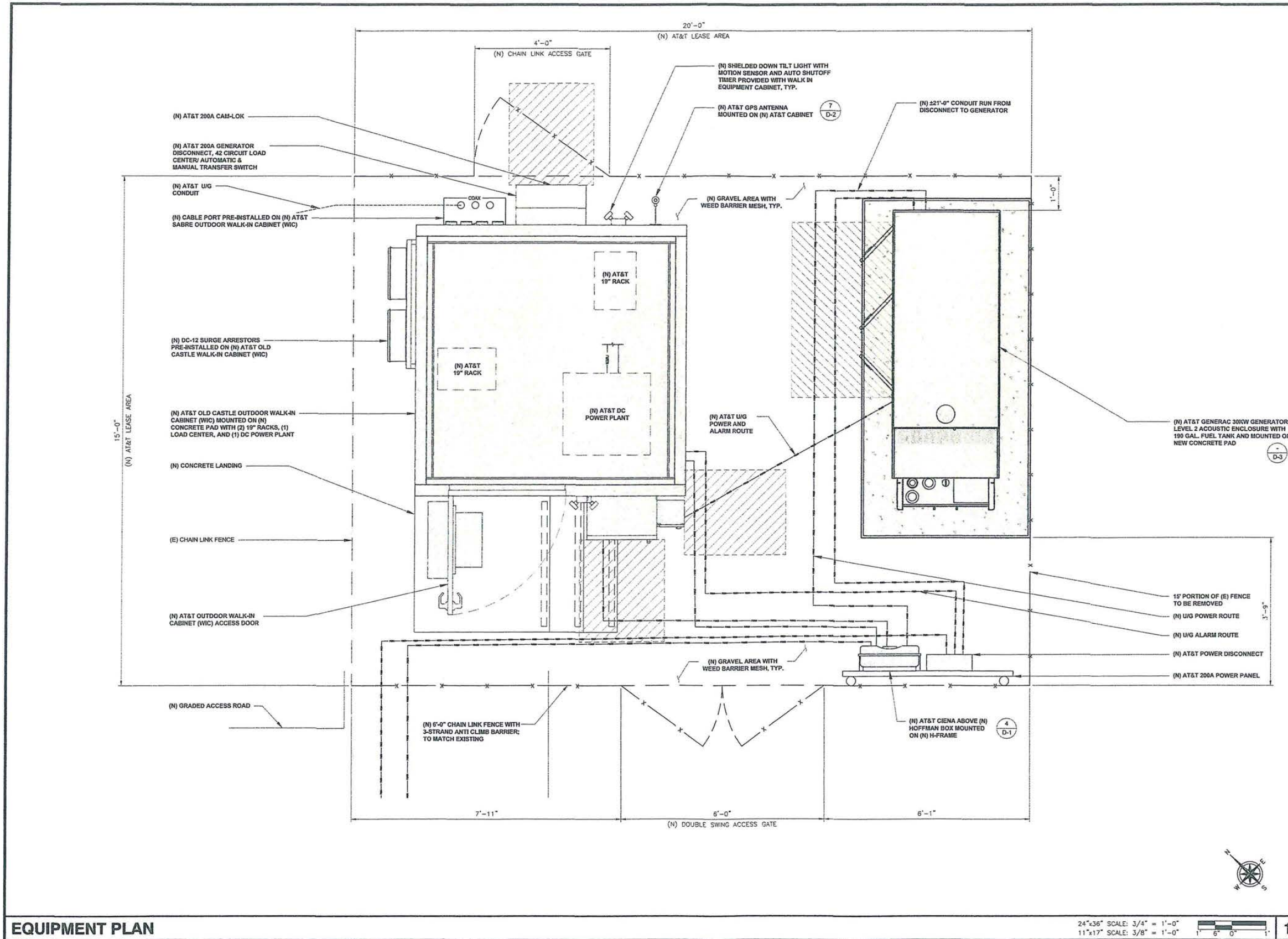
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-1

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS



**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**



ISSUED FOR:
**DRY CREEK
 JONESVILLE**
 6521 GREEN VALLEY
 ROAD
 PLACERVILLE, CALIFORNIA
 95667



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% Zds REV-RFDS/RLS	WD
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SHEET TITLE
EQUIPMENT PLAN

SHEET NUMBER
A-2

EQUIPMENT PLAN

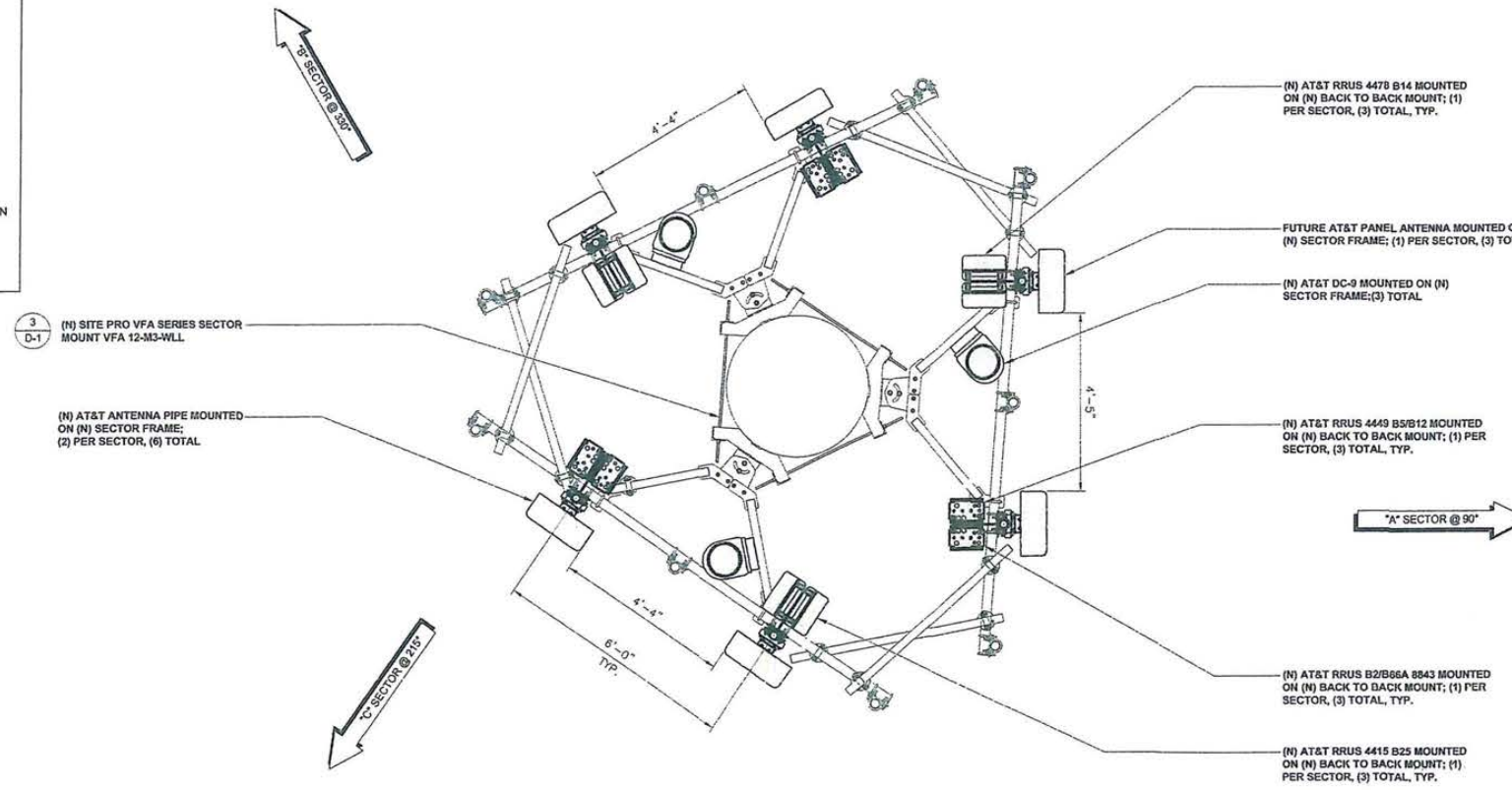
24"x36" SCALE: 3/4" = 1'-0"
 11"x17" SCALE: 3/8" = 1'-0"
 1" = 6'-0"

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**

ANTENNA	NEW OPTIMAL ANTENNA AND TRANSMISSION CABLES REQUIREMENT (VERIFY WITH CURRENT RFDS)						NEW REMOTE RADIO UNITS, TOWER MOUNTED AMPLIFIERS AND ANTENNA FILTERS (VERIFY WITH CURRENT RFDS)						
	NEW TECHNOLOGY	ANTENNA MODEL	ANTENNA AZIMUTH	RAD CENTER	TRANSMISSION LINE		RRUS MODEL	RRUS COUNT	TMA, ANTENNA FILTER & SURGE SUPPRESSOR	TMA/FILTER/SURGE COUNT	#DC FEEDS		
					LENGTH	TYPE							
ALPHA SECTOR	A1	LTE 700/850/1900	ANDREW (COMMSCOPE) NNH4-658-R8H4 (6'-0")	90°	67'-0"	±90'	FIBER	RRUS B5/B12 4449, RRUS B2/B66A 8843	2	DC-9 'SQUID' SURGE SUPPRESSOR	1	4	
	A2	LTE 700/1900/AWS	ANDREW (COMMSCOPE) NNH4-658-R8H4 (6'-0")	90°	67'-0"	±90'	FIBER	RRUS B14 4478, RRUS B25 4415	2	-	-	2	
BETA SECTOR	B1	LTE 700/850/1900	ANDREW (COMMSCOPE) NNH4-658-R8H4 (6'-0")	330°	67'-0"	±90'	FIBER	RRUS B5/B12 4449, RRUS B2/B66A 8843	2	DC-9 'SQUID' SURGE SUPPRESSOR	1	4	
	B2	LTE 700/1900/AWS	ANDREW (COMMSCOPE) NNH4-658-R8H4 (6'-0")	330°	67'-0"	±90'	FIBER	RRUS B14 4478, RRUS B25 4415	2	-	-	2	
GAMMA SECTOR	C1	LTE 700/850/1900	ANDREW (COMMSCOPE) NNH4-658-R8H4 (6'-0")	245°	67'-0"	±90'	FIBER	RRUS B5/B12 4449, RRUS B2/B66A 8843	2	DC-9 'SQUID' SURGE SUPPRESSOR	1	4	
	C2	LTE 700/1900/AWS	ANDREW (COMMSCOPE) NNH4-658-R8H4 (6'-0")	245°	67'-0"	±90'	FIBER	RRUS B14 4478, RRUS B25 4415	2	-	-	2	
								TOTAL	12				TOTAL TOTAL

ANTENNA & TOWER MOUNTED EQUIPMENT SCHEDULE

- NOTES TO CONTRACTOR:**
- M SQUARED WIRELESS ACCEPTS NO LIABILITY FOR THE STRUCTURAL CAPACITY OF THE TOWER STRUCTURE, MOUNTS, ANTENNAS, CABLES OR ANY OTHER APPURTENANCE ON THE TOWER. THE CONTRACTOR AND SUBCONTRACTOR SHALL COORDINATE WITH AND COMPLY WITH THE PROVISIONS OF THE STRUCTURAL ANALYSIS PREPARED FOR THIS SITE AND PROJECT PRIOR TO THE INSTALLATION OF ANTENNAS AND CABLE ON THE TOWER. IMMEDIATELY REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND THE STRUCTURAL ANALYSIS TO AT&T.
 - CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
 - CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION DURING SITE-WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
 - CONTRACTOR TO VERIFY PORTS HAVE SUFFICIENT ROOM.



NEW ANTENNA PLAN

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

ISSUED FOR:
**DRY CREEK
JONESVILLE**
6521 GREEN VALLEY
ROAD
PLACERVILLE, CALIFORNIA
95667



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% 2D REV-RFDS/RLS	WD
C	04/28/2021	100% 2D	MF
B	03/22/2021	100% 2D	SD
A	02/08/2021	90% 2D FOR REVIEW	SD

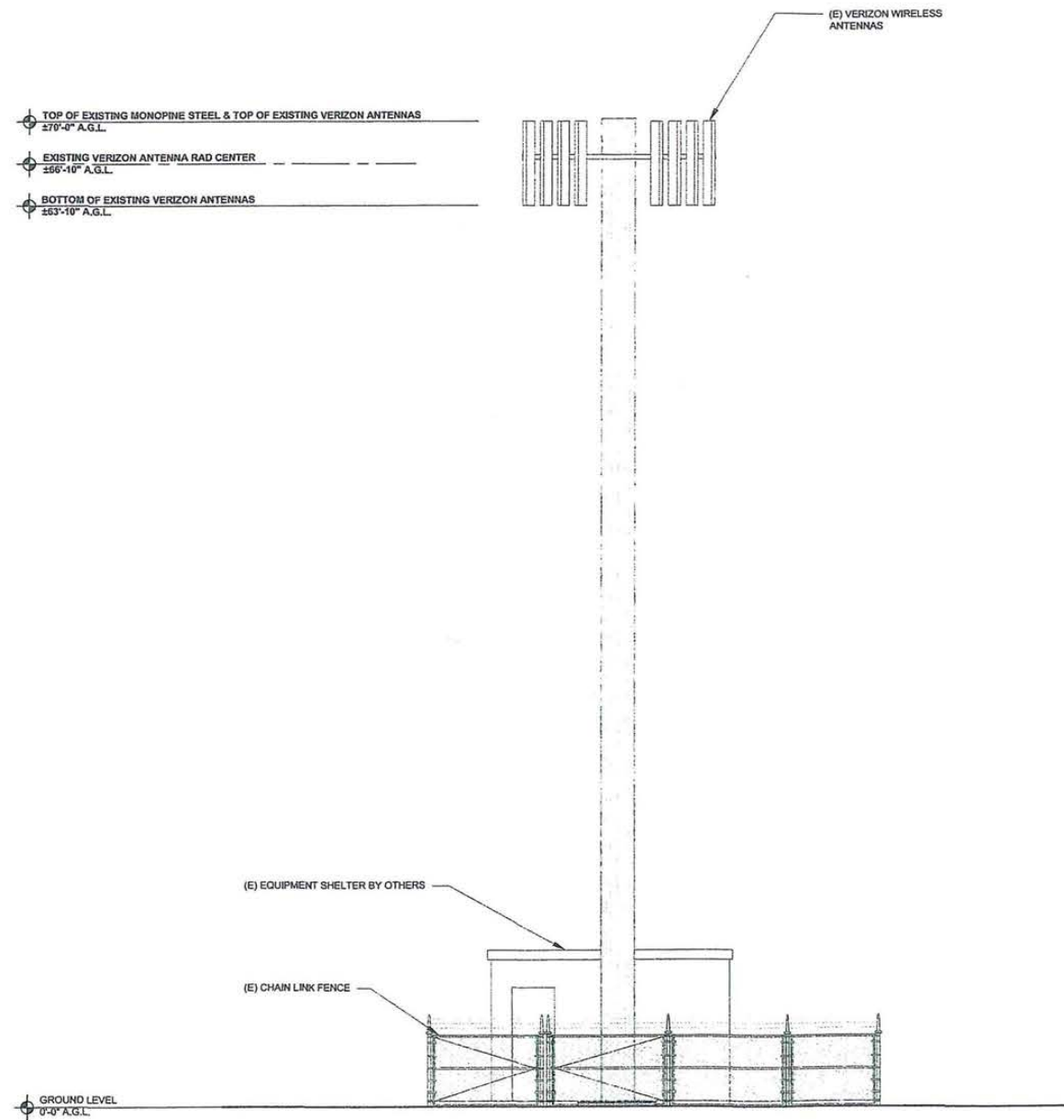
LICENSOR:

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

SHEET TITLE
**ANTENNA PLAN &
SCHEDULE**

SHEET NUMBER
A-3

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**



ISSUED FOR:
**DRY CREEK
 JONESVILLE**
 6521 GREEN VALLEY
 ROAD
 PLACERVILLE, CALIFORNIA
 95667



AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV-RFDS/RLS	WD
C	04/28/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

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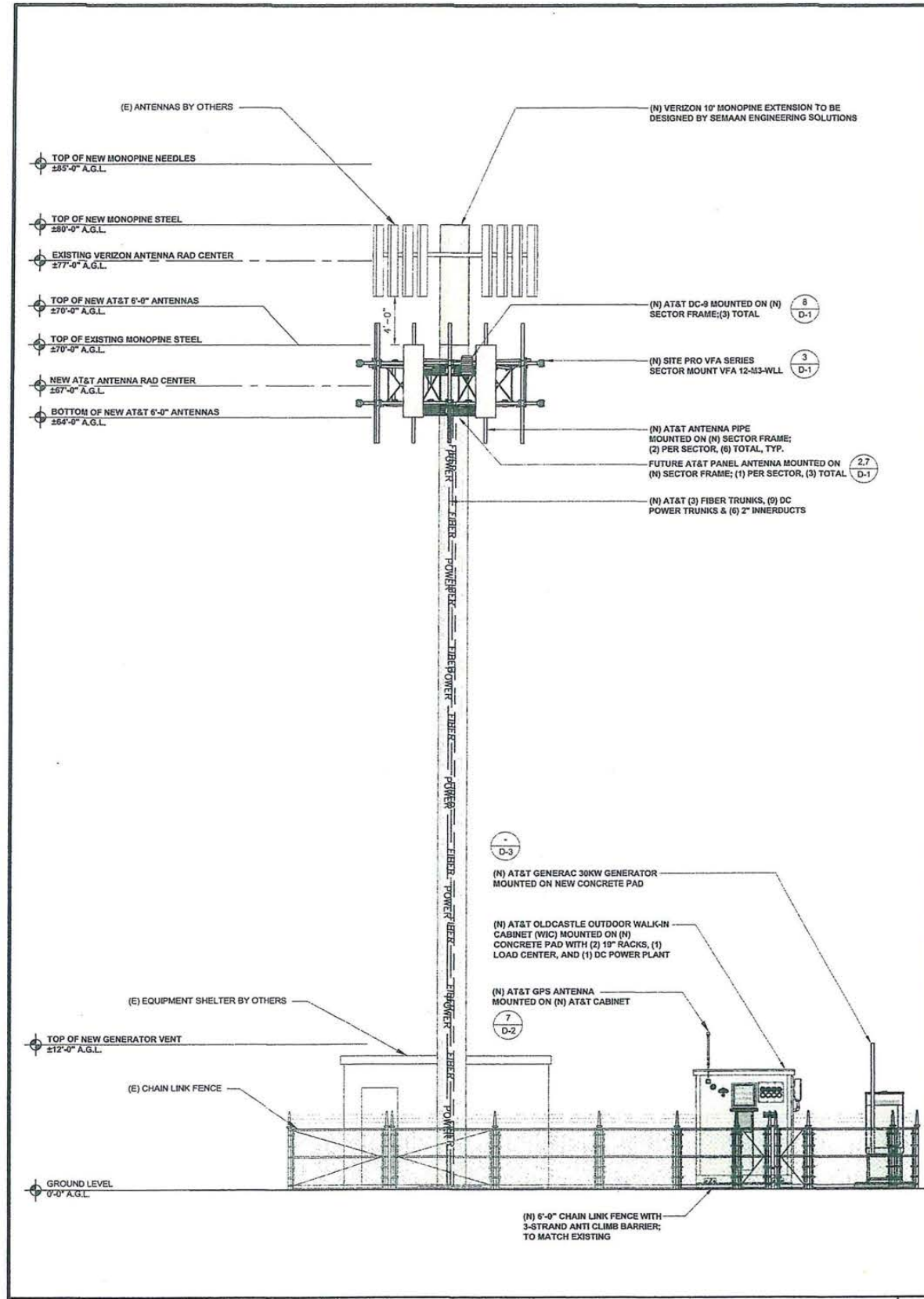
SHEET TITLE
EXISTING ELEVATION

SHEET NUMBER
A-4

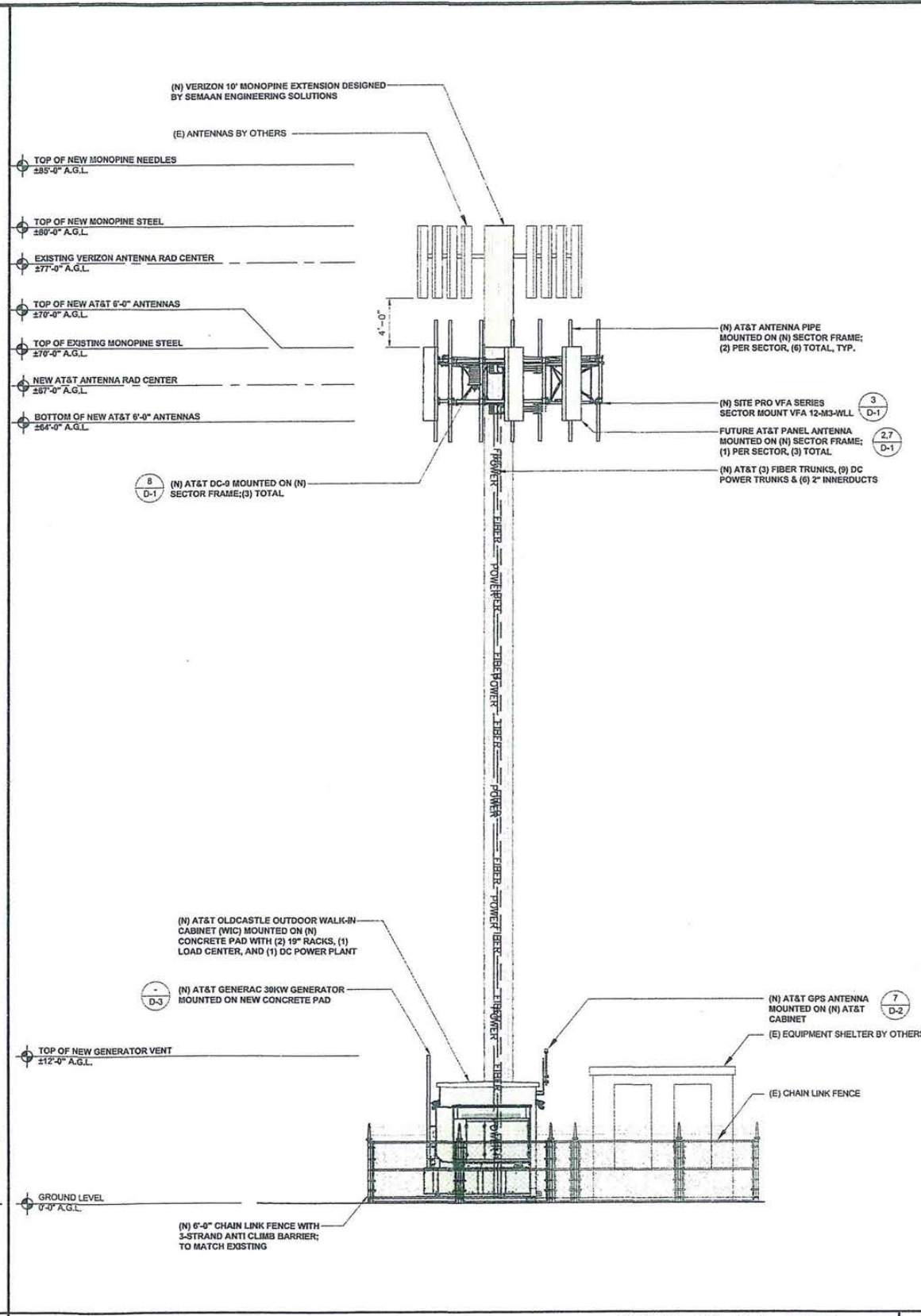
EXISTING SOUTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
 11"x17" SCALE: 3/32" = 1'-0"
1

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS



PROPOSED SOUTHWEST ELEVATION 24"x36" SCALE: 3/16" = 1'-0" 11"x17" SCALE: 3/32" = 1'-0" 1



PROPOSED SOUTHEAST ELEVATION 24"x36" SCALE: 3/16" = 1'-0" 11"x17" SCALE: 3/32" = 1'-0" 2

ISSUED FOR:
DRY CREEK JONESVILLE
6521 GREEN VALLEY ROAD
PLACERVILLE, CALIFORNIA 95667

5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

1337 CALLE AVANZADO
SAN CLEMENTE CA 92873 (949) 391-8524

AT&T SITE NO: CVL03123
PROJECT NO: 13787633
DRAWN BY: SD
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV-RFDS/RLS	WD
C	04/28/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/04/2021	90% ZDs FOR REVIEW	SD

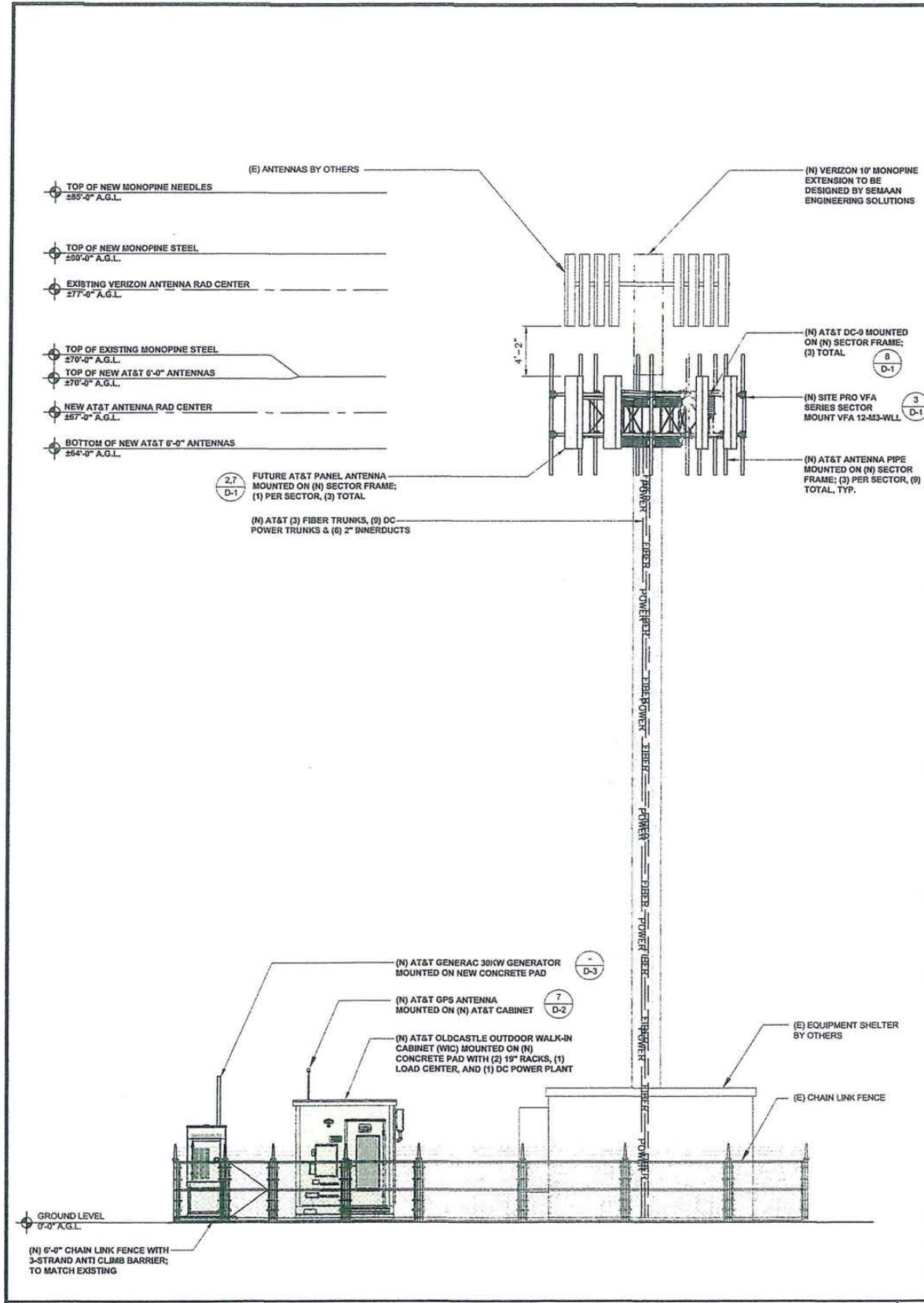
LICENSOR:

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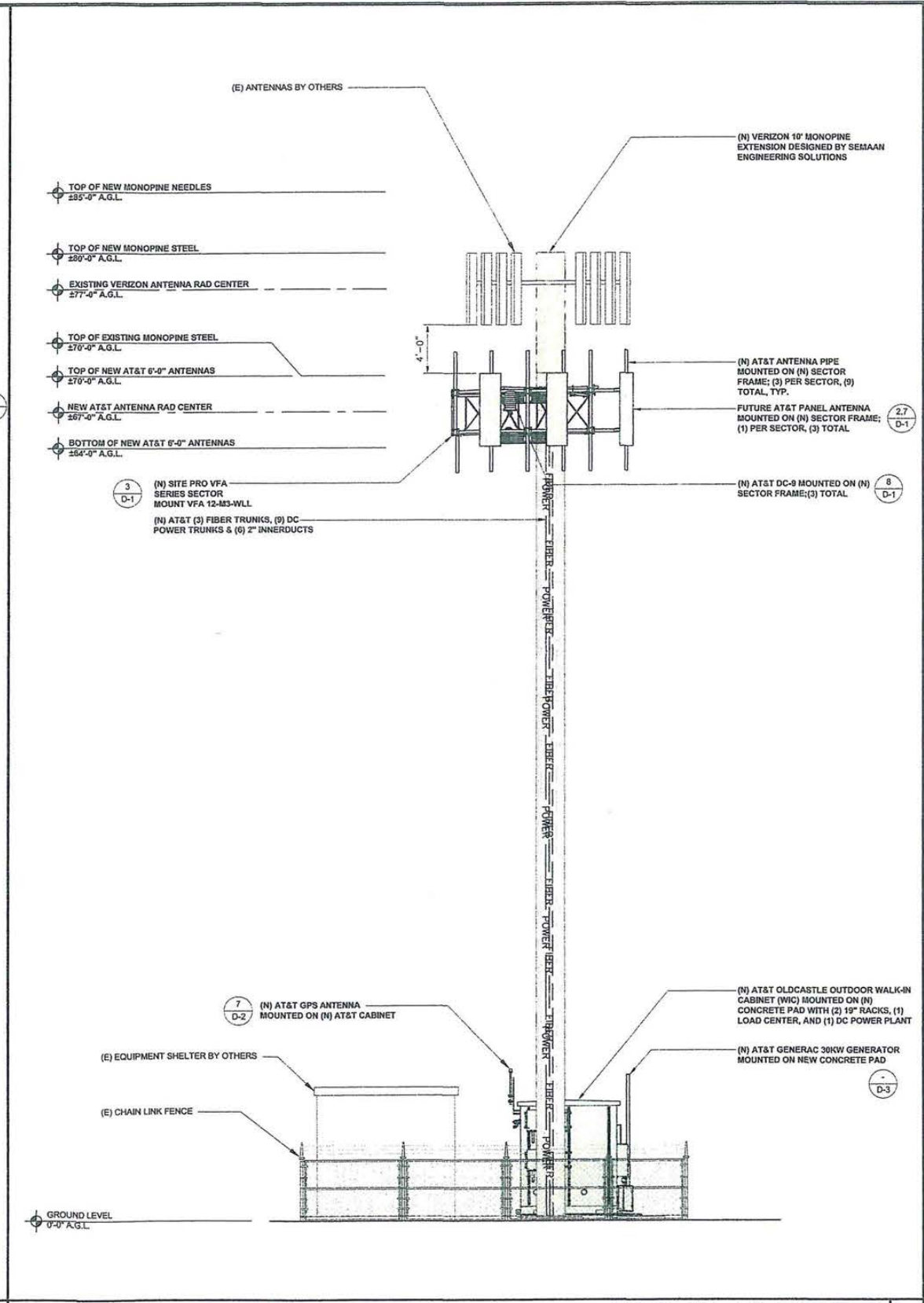
SHEET TITLE
PROPOSED ELEVATIONS

SHEET NUMBER
A-5

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**



PROPOSED NORTHEAST ELEVATION 24"x36" SCALE: 3/16" = 1'-0" 11"x17" SCALE: 3/32" = 1'-0" 1 4" 2" 0" 4"



PROPOSED NORTHWEST ELEVATION 24"x36" SCALE: 3/16" = 1'-0" 11"x17" SCALE: 3/32" = 1'-0" 2 4" 2" 0" 4"

ISSUED FOR:
DRY CREEK JONESVILLE
6521 GREEN VALLEY ROAD
PLACERVILLE, CALIFORNIA 95667

5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

Connecting a Wireless World

1337 CALLE AVANZADO
SAN CLEMENTE CA 92573 (949) 391-8824

AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% 2D REV-RFDS/RLS	WD
C	04/26/2021	100% 2D	WF
B	03/22/2021	100% 2D	SD
A	02/06/2021	90% 2D FOR REVIEW	SD

LICENSOR:

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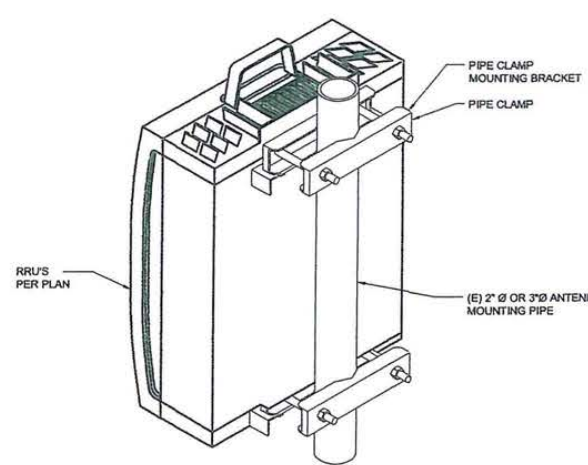
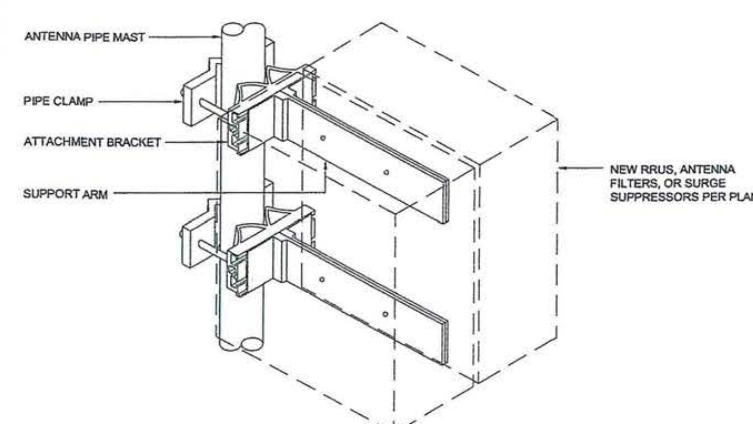
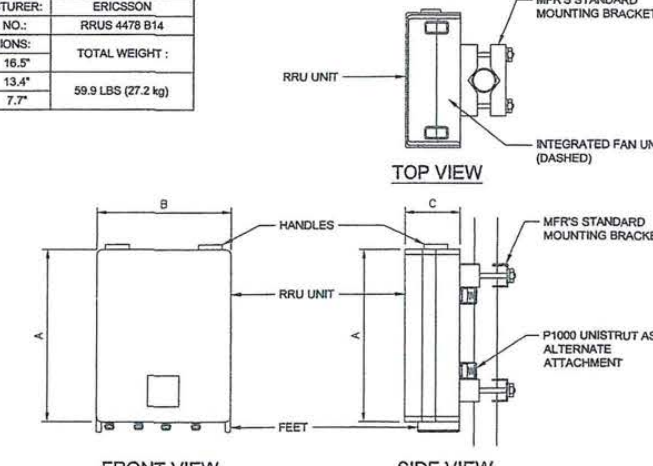
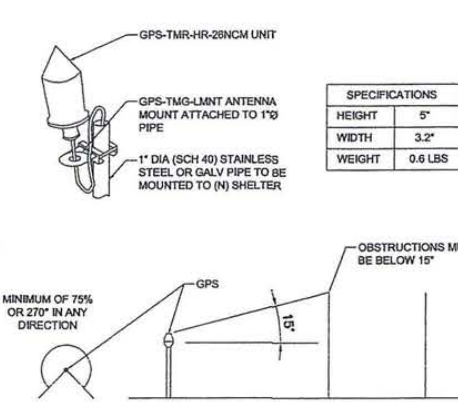
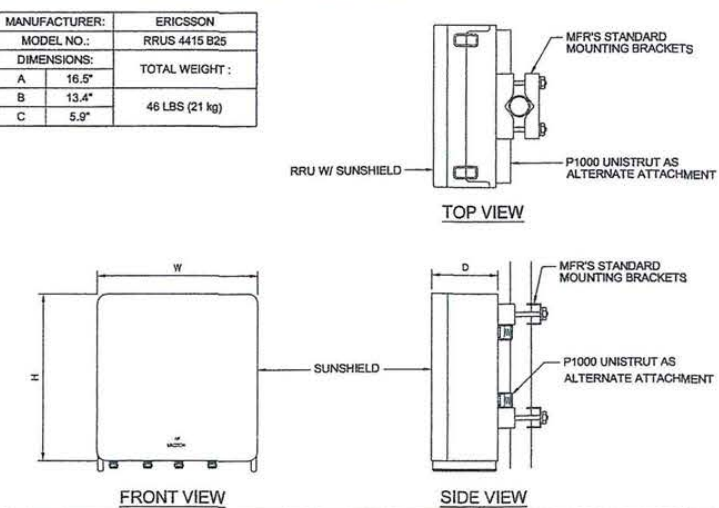
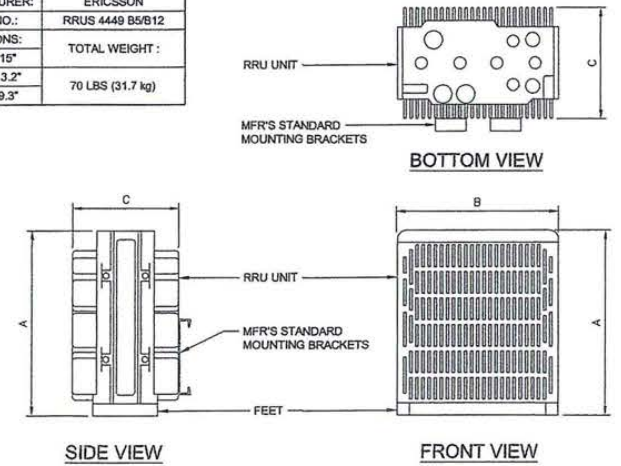
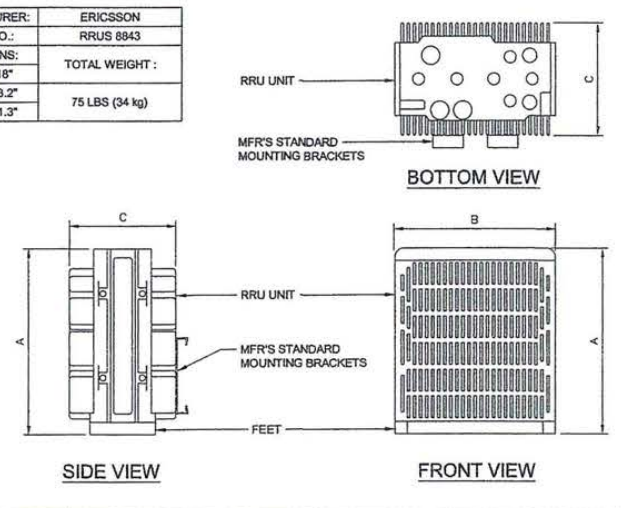
SHEET TITLE
PROPOSED ELEVATIONS

SHEET NUMBER
A-6

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**

<p>RAYCAP DC9-48-60-24-8C-EV</p> <p>DIMENSIONS, WXDHX: 260x798MM (10.24"x31.41")</p> <p>NOMINAL OPERATING VOLTAGE: 60 VDC</p> <p>NOMINAL DISCHARGE CURRENT: 20 KA 8/20MS</p> <p>MAXIMUM CONTINUOUS OPERATING VOLTAGE: 60 VDC</p> <p>VOLTAGE PROTECTION RATING: 330 V</p> <p>WIND LOADING: 150 MPH (SUSTAINED) 195 MPH (GUST)</p> <p>TOTAL WEIGHT: 26.2 LBS</p> <p>RAYCAP "SQUID" DC SURGE PROTECTOR</p> <p>MOUNTING BRACKET BY MANUFACTURER</p> <p>CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION</p> <p>NOTE: TO BE INSTALLED WITHIN 10 FEET OF RADIO UNIT</p>	<p>MANUFACTURER: RAYCAP</p> <p>MODEL NO.: DC12-48-60-0-25E</p> <p>DIMENSIONS:</p> <table border="1"> <tr><td>A</td><td>20.06"</td></tr> <tr><td>B</td><td>18.17"</td></tr> <tr><td>C</td><td>6.37"</td></tr> </table> <p>TOTAL WEIGHT: 56.3 LBS</p> <p align="center">BOTTOM VIEW FRONT VIEW</p>	A	20.06"	B	18.17"	C	6.37"	<p>ISSUED FOR: DRY CREEK JONESVILLE 6521 GREEN VALLEY ROAD PLACERVILLE, CALIFORNIA 95667</p> <p>5001 EXECUTIVE PARKWAY SAN RAMON, CALIFORNIA 94583</p> <p>CONnecting a Wireless World</p> <p>1337 CALLE AVANZADO SAN CLEMENTE CA 92673 (949) 391-0824</p> <table border="1"> <tr><td>AT&T SITE NO:</td><td>CVL03123</td></tr> <tr><td>PROJECT NO:</td><td>13787633</td></tr> <tr><td>DRAWN BY:</td><td>SD</td></tr> <tr><td>CHECKED BY:</td><td>MM</td></tr> </table> <table border="1"> <tr><td>D</td><td>07/21/2021</td><td>100% 2D</td><td>REV-RFDS/RLS</td><td>MD</td></tr> <tr><td>C</td><td>04/26/2021</td><td>100% 2D</td><td></td><td>MF</td></tr> <tr><td>B</td><td>03/22/2021</td><td>100% 2D</td><td></td><td>SD</td></tr> <tr><td>A</td><td>02/09/2021</td><td>90% 2D</td><td>FOR REVIEW</td><td>SD</td></tr> <tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td></td><td>BY</td></tr> </table> <p>LICENSOR:</p> <p>IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.</p> <p align="center">SHEET TITLE DETAILS</p> <p align="center">SHEET NUMBER D-1</p>	AT&T SITE NO:	CVL03123	PROJECT NO:	13787633	DRAWN BY:	SD	CHECKED BY:	MM	D	07/21/2021	100% 2D	REV-RFDS/RLS	MD	C	04/26/2021	100% 2D		MF	B	03/22/2021	100% 2D		SD	A	02/09/2021	90% 2D	FOR REVIEW	SD	REV	DATE	DESCRIPTION		BY
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<p>DC-9 "SQUID" SURGE SUPPRESSOR 24"x36" SCALE: NTS 8</p> <p>DC-12 SURGE SUPPRESSOR 24"x36" SCALE: NTS 6</p> <p>NOT USED 24"x36" SCALE: NTS 3</p>	<p>NOT USED 24"x36" SCALE: NTS 5</p> <p>COMMSCOPE 6' PANEL ANTENNA 24"x38" SCALE: NTS 2</p>	<p>COMMSCOPE NNH4-6SB-R6H4</p> <table border="1"> <tr><td>HEIGHT (H)</td><td>72.0"</td></tr> <tr><td>WIDTH (W)</td><td>19.6"</td></tr> <tr><td>DEPTH (D)</td><td>7.8"</td></tr> <tr><td>WEIGHT</td><td>84.4 LBS.</td></tr> <tr><td>SURVIVAL WIND SPEED:</td><td>150.0 MPH</td></tr> <tr><td>WIND LOADING, MAX:</td><td></td></tr> <tr><td>FRONT:</td><td>694 N @ 150 km/h</td></tr> <tr><td>SIDED:</td><td>235 N @ 150 km/h</td></tr> <tr><td>CONNECTOR:</td><td>(12) 4.3-10 DIN FEMALE - BOTTOM</td></tr> <tr><td>MOUNTING POLE:</td><td>2.4 - 4.5 INCHES</td></tr> </table> <p align="center">FRONT OF ANTENNA</p> <p align="center">BOTTOM VIEW FRONT VIEW SIDE VIEW</p>	HEIGHT (H)	72.0"	WIDTH (W)	19.6"	DEPTH (D)	7.8"	WEIGHT	84.4 LBS.	SURVIVAL WIND SPEED:	150.0 MPH	WIND LOADING, MAX:		FRONT:	694 N @ 150 km/h	SIDED:	235 N @ 150 km/h	CONNECTOR:	(12) 4.3-10 DIN FEMALE - BOTTOM	MOUNTING POLE:	2.4 - 4.5 INCHES																			
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<p>ANTENNA MOUNTING DETAIL 24"x36" SCALE: NTS 7</p> <p>H-FRAME DETAIL 24"x36" SCALE: NTS 4</p>	<p>NOT USED 24"x36" SCALE: NTS 4</p> <p>SITE PRO VFA MOUNT 11"x17" SCALE: NTS 1</p>																																								

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT F - SITE PLANS**

 <p>RRU'S PER PLAN</p> <p>PIPE CLAMP MOUNTING BRACKET</p> <p>PIPE CLAMP</p> <p>(E) 2" Ø OR 3"Ø ANTENNA MOUNTING PIPE</p>	<p>RRUS @ STD. PIPE MOUNT</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>9</p>	<p>NOT USED</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>6</p>	<p>NOT USED</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>3</p>																								
 <p>ANTENNA PIPE MAST</p> <p>PIPE CLAMP</p> <p>ATTACHMENT BRACKET</p> <p>SUPPORT ARM</p> <p>NEW RRUS, ANTENNA FILTERS, OR SURGE SUPPRESSORS PER PLAN</p>	<p>RRU BACK-TO-BACK MOUNT</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>8</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>MANUFACTURER:</td><td>ERICSSON</td></tr> <tr><td>MODEL NO.:</td><td>RRUS 4478 B14</td></tr> <tr><td>DIMENSIONS:</td><td>TOTAL WEIGHT:</td></tr> <tr><td>A 16.5"</td><td></td></tr> <tr><td>B 13.4"</td><td>59.9 LBS (27.2 kg)</td></tr> <tr><td>C 7.7"</td><td></td></tr> </table>  <p>RRU UNIT</p> <p>MFR'S STANDARD MOUNTING BRACKETS</p> <p>INTEGRATED FAN UNIT (DASHED)</p> <p>TOP VIEW</p> <p>FRONT VIEW</p> <p>SIDE VIEW</p> <p>HANDLES</p> <p>P1000 UNISTRUT AS ALTERNATE ATTACHMENT</p> <p>FEET</p>	MANUFACTURER:	ERICSSON	MODEL NO.:	RRUS 4478 B14	DIMENSIONS:	TOTAL WEIGHT:	A 16.5"		B 13.4"	59.9 LBS (27.2 kg)	C 7.7"		<p>ERICSSON RRU 4478 B14</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>5</p>												
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<p>NOTE:</p> <p>1. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1"Ø, SCH. 40, GALVANIZED S.S. STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQ'D LENGTH USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBARRED.</p> <p>2. IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2" OF LEVEL.</p> <p>3. DO NOT SWEEP TEST GPS ANTENNA.</p>  <p>GPS-TMR-HR-28NCM UNIT</p> <p>GPS-TMG-LMNT ANTENNA MOUNT ATTACHED TO 1"Ø PIPE</p> <p>1" DIA (SCH 40) STAINLESS STEEL OR GALV PIPE TO BE MOUNTED TO (N) SHELTER</p> <table border="1" style="width:50%; border-collapse: collapse;"> <tr><th colspan="2">SPECIFICATIONS</th></tr> <tr><td>HEIGHT</td><td>5"</td></tr> <tr><td>WIDTH</td><td>3.2"</td></tr> <tr><td>WEIGHT</td><td>0.6 LBS</td></tr> </table> <p>MINIMUM OF 75% OR 270° IN ANY DIRECTION</p> <p>GPS</p> <p>OBSTRUCTIONS MUST BE BELOW 15°</p>	SPECIFICATIONS		HEIGHT	5"	WIDTH	3.2"	WEIGHT	0.6 LBS	<p>(N) GPS ANTENNA</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>7</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>MANUFACTURER:</td><td>ERICSSON</td></tr> <tr><td>MODEL NO.:</td><td>RRUS 4415 B25</td></tr> <tr><td>DIMENSIONS:</td><td>TOTAL WEIGHT:</td></tr> <tr><td>A 16.5"</td><td></td></tr> <tr><td>B 13.4"</td><td>46 LBS (21 kg)</td></tr> <tr><td>C 5.9"</td><td></td></tr> </table>  <p>RRU W/ SUNSHIELD</p> <p>MFR'S STANDARD MOUNTING BRACKETS</p> <p>P1000 UNISTRUT AS ALTERNATE ATTACHMENT</p> <p>TOP VIEW</p> <p>FRONT VIEW</p> <p>SIDE VIEW</p> <p>SUNSHIELD</p> <p>MFR'S STANDARD MOUNTING BRACKETS</p> <p>P1000 UNISTRUT AS ALTERNATE ATTACHMENT</p> <p>FEET</p>	MANUFACTURER:	ERICSSON	MODEL NO.:	RRUS 4415 B25	DIMENSIONS:	TOTAL WEIGHT:	A 16.5"		B 13.4"	46 LBS (21 kg)	C 5.9"		<p>RRUS 4415 B25</p> <p>24"x36" SCALE: NTS 11"x17" SCALE: NTS</p> <p>4</p>				
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ISSUED FOR:
**DRY CREEK
JONESVILLE**
6521 GREEN VALLEY
ROAD
PLACERVILLE, CALIFORNIA
95667



AT&T SITE NO.:	CVL03123
PROJECT NO.:	13787633
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D	07/21/2021	100% 2Dh REV-RFDS/RLS	WD
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REV	DATE	DESCRIPTION	BY

LICENSOR:

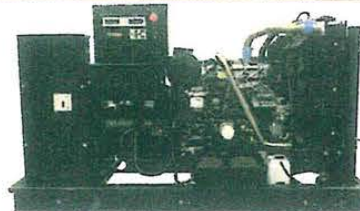
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE
DETAILS

SHEET NUMBER
D-2

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT F - SITE PLANS

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET



Standby Power Rating
30 kW, 30 kVA, 60 Hz

Prime Power Rating*
27 kW, 24 kVA, 60 Hz

ISO 9001, ISO 14001

Codes and Standards
Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL508, UL469, UL142
- CSA C22.2
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7837, 8528, 9001
- NEMA ICS10, ICS1, 250, ICS6, AS1
- ANSI C82.41

Powering Ahead
For over 50 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

FOR REFERENCE ONLY

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

STANDBY FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Charge
- Standard Diesel Fuel/Electrical Connections
- Factory Fused Oil and Coolant
- Engine Coolant Access (Two Set Only)
- Global Voltage Connections (See Only)
- Engine Coolant Inlets

Fuel System

- Full-Volume Fuel Filter
- Primary Fuel Filter

Cooling System

- Chilled Coolant Recovery System
- 100% Oil-Filled Radiator
- Standard Radiator
- 30-50% Ethanol Fuel Additive

Electrical System

- Battery Charging Alternator
- Battery Cabinet
- Battery Tray
- Factory-Installed Electrical Connections
- Subnet-Isolated Start-Up

ALTERNATOR SYSTEM

- IEEE 2981 (2-Phase 4-Wire) or 3-Phase 3-Wire
- IEEE 2980 (3-Phase 3-Wire)
- IEEE 2982 (3-Phase 4-Wire)
- IEEE 2983 (3-Phase 3-Wire)
- IEEE 2984 (3-Phase 4-Wire)
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- IEEE 2990 (3-Phase 4-Wire)
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- IEEE 3198 (3-Phase 4-Wire)
- IEEE 3199 (3-Phase 3-Wire)
- IEEE 3200 (3-Phase 4-Wire)

ENCLOSURE (If Selected)

- Open Top Enclosures with 16-18" Slotted Panels
- High Performance Sound Attenuation Material (Optional)
- Soundproof Doors
- Internal Air Inlets
- Upward Facing Exhaust Ports (Optional)
- Weather-Resistant Exterior
- Standard 18" (18) Diameter Exhaust
- Standard 24" (24) Diameter Exhaust
- Standard 30" (30) Diameter Exhaust
- Standard 36" (36) Diameter Exhaust
- Standard 42" (42) Diameter Exhaust
- Standard 48" (48) Diameter Exhaust
- Standard 54" (54) Diameter Exhaust
- Standard 60" (60) Diameter Exhaust
- Standard 66" (66) Diameter Exhaust
- Standard 72" (72) Diameter Exhaust
- Standard 78" (78) Diameter Exhaust
- Standard 84" (84) Diameter Exhaust
- Standard 90" (90) Diameter Exhaust
- Standard 96" (96) Diameter Exhaust
- Standard 102" (102) Diameter Exhaust
- Standard 108" (108) Diameter Exhaust
- Standard 114" (114) Diameter Exhaust
- Standard 120" (120) Diameter Exhaust
- Standard 126" (126) Diameter Exhaust
- Standard 132" (132) Diameter Exhaust
- Standard 138" (138) Diameter Exhaust
- Standard 144" (144) Diameter Exhaust
- Standard 150" (150) Diameter Exhaust
- Standard 156" (156) Diameter Exhaust
- Standard 162" (162) Diameter Exhaust
- Standard 168" (168) Diameter Exhaust
- Standard 174" (174) Diameter Exhaust
- Standard 180" (180) Diameter Exhaust
- Standard 186" (186) Diameter Exhaust
- Standard 192" (192) Diameter Exhaust
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- Standard 204" (204) Diameter Exhaust
- Standard 210" (210) Diameter Exhaust
- Standard 216" (216) Diameter Exhaust
- Standard 222" (222) Diameter Exhaust
- Standard 228" (228) Diameter Exhaust
- Standard 234" (234) Diameter Exhaust
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- Standard 282" (282) Diameter Exhaust
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- Standard 300" (300) Diameter Exhaust
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- Standard 366" (366) Diameter Exhaust
- Standard 372" (372) Diameter Exhaust
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- Standard 402" (402) Diameter Exhaust
- Standard 408" (408) Diameter Exhaust
- Standard 414" (414) Diameter Exhaust
- Standard 420" (420) Diameter Exhaust
- Standard 426" (426) Diameter Exhaust
- Standard 432" (432) Diameter Exhaust
- Standard 438" (438) Diameter Exhaust
- Standard 444" (444) Diameter Exhaust
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- Standard 456" (456) Diameter Exhaust
- Standard 462" (462) Diameter Exhaust
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- Standard 666" (666) Diameter Exhaust
- Standard 672" (672) Diameter Exhaust
- Standard 678" (678) Diameter Exhaust
- Standard 684" (684) Diameter Exhaust
- Standard 690" (690) Diameter Exhaust
- Standard 696" (696) Diameter Exhaust
- Standard 702" (702) Diameter Exhaust
- Standard 708" (708) Diameter Exhaust
- Standard 714" (714) Diameter Exhaust
- Standard 720" (720) Diameter Exhaust
- Standard 726" (726) Diameter Exhaust
- Standard 732" (732) Diameter Exhaust
- Standard 738" (738) Diameter Exhaust
- Standard 744" (744) Diameter Exhaust
- Standard 750" (750) Diameter Exhaust
- Standard 756" (756) Diameter Exhaust
- Standard 762" (762) Diameter Exhaust
- Standard 768" (768) Diameter Exhaust
- Standard 774" (774) Diameter Exhaust
- Standard 780" (780) Diameter Exhaust
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- Standard 792" (792) Diameter Exhaust
- Standard 798" (798) Diameter Exhaust
- Standard 804" (804) Diameter Exhaust
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- Standard 816" (816) Diameter Exhaust
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- Standard 852" (852) Diameter Exhaust
- Standard 858" (858) Diameter Exhaust
- Standard 864" (864) Diameter Exhaust
- Standard 870" (870) Diameter Exhaust
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- Standard 900" (900) Diameter Exhaust
- Standard 906" (906) Diameter Exhaust
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- Standard 924" (924) Diameter Exhaust
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- Standard 996" (996) Diameter Exhaust
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- Standard 1008" (1008) Diameter Exhaust
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- Standard 1800" (1800) Diameter Exhaust
- Standard 1806" (1806) Diameter Exhaust
- Standard 1812" (1812) Diameter Exhaust
- Standard 1818" (1818) Diameter Exhaust
- Standard 1824" (1824) Diameter Exhaust
- Standard 1830" (1830) Diameter Exhaust
- Standard 1836" (1836) Diameter Exhaust
- Standard 1842" (1842) Diameter Exhaust
- Standard 1848" (1848) Diameter Exhaust
- Standard 1854" (1854) Diameter Exhaust
- Standard 1860" (1860) Diameter Exhaust
- Standard 1866" (1866) Diameter Exhaust
- Standard 1872" (1872) Diameter Exhaust
- Standard 1878" (1878) Diameter Exhaust
- Standard 1884" (1884) Diameter Exhaust
- Standard 1890" (1890) Diameter Exhaust
- Standard 1896" (1896) Diameter Exhaust
- Standard 1902" (1902) Diameter Exhaust
- Standard 1908" (1908) Diameter Exhaust
- Standard 1914" (1914) Diameter Exhaust
- Standard 1920" (1920) Diameter Exhaust
- Standard 1926" (1926) Diameter Exhaust
- Standard 1932" (1932) Diameter Exhaust
- Standard 1938" (1938) Diameter Exhaust
- Standard 1944" (1944) Diameter Exhaust
- Standard 1950" (1950) Diameter Exhaust
- Standard 1956" (1956) Diameter Exhaust
- Standard 1962" (1962) Diameter Exhaust
- Standard 1968" (1968) Diameter Exhaust
- Standard 1974" (1974) Diameter Exhaust
- Standard 1980" (1980) Diameter Exhaust
- Standard 1986" (1986) Diameter Exhaust
- Standard 1992" (1992) Diameter Exhaust
- Standard 1998" (1998) Diameter Exhaust
- Standard 2004" (2004) Diameter Exhaust
- Standard 2010" (2010) Diameter Exhaust
- Standard 2016" (2016) Diameter Exhaust
- Standard 2022" (2022) Diameter Exhaust
- Standard 2028" (2028) Diameter Exhaust
- Standard 2034" (2034) Diameter Exhaust
- Standard 2040" (2040) Diameter Exhaust
- Standard 2046" (2046) Diameter Exhaust
- Standard 2052" (2052) Diameter Exhaust
- Standard 2058" (2058)

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT G - SITE PHOTO SIMULATIONS

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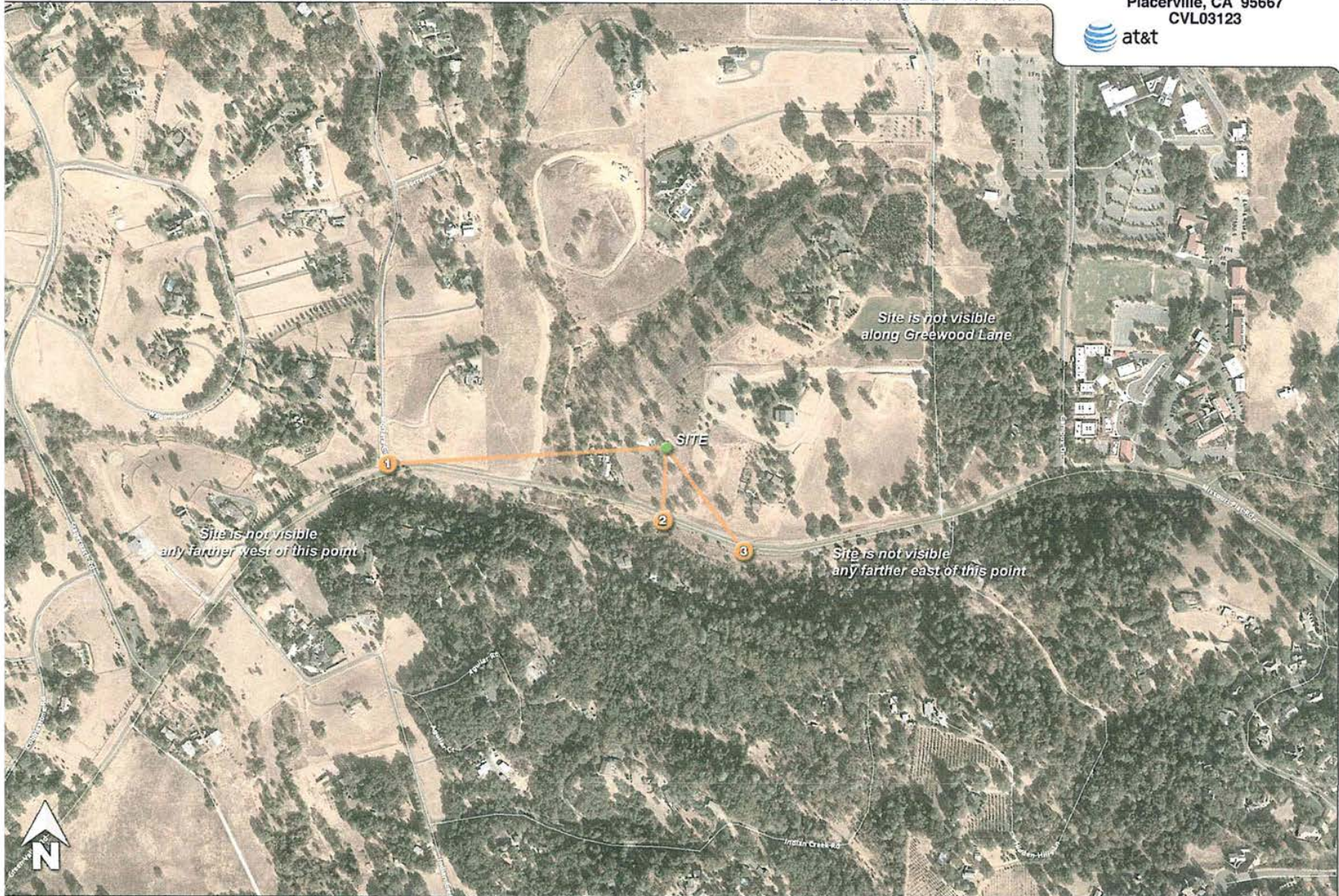
Version Date: August 3, 2021

Aerial photograph showing the viewpoints for the photosimulations.

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Dry Creek Jonesville

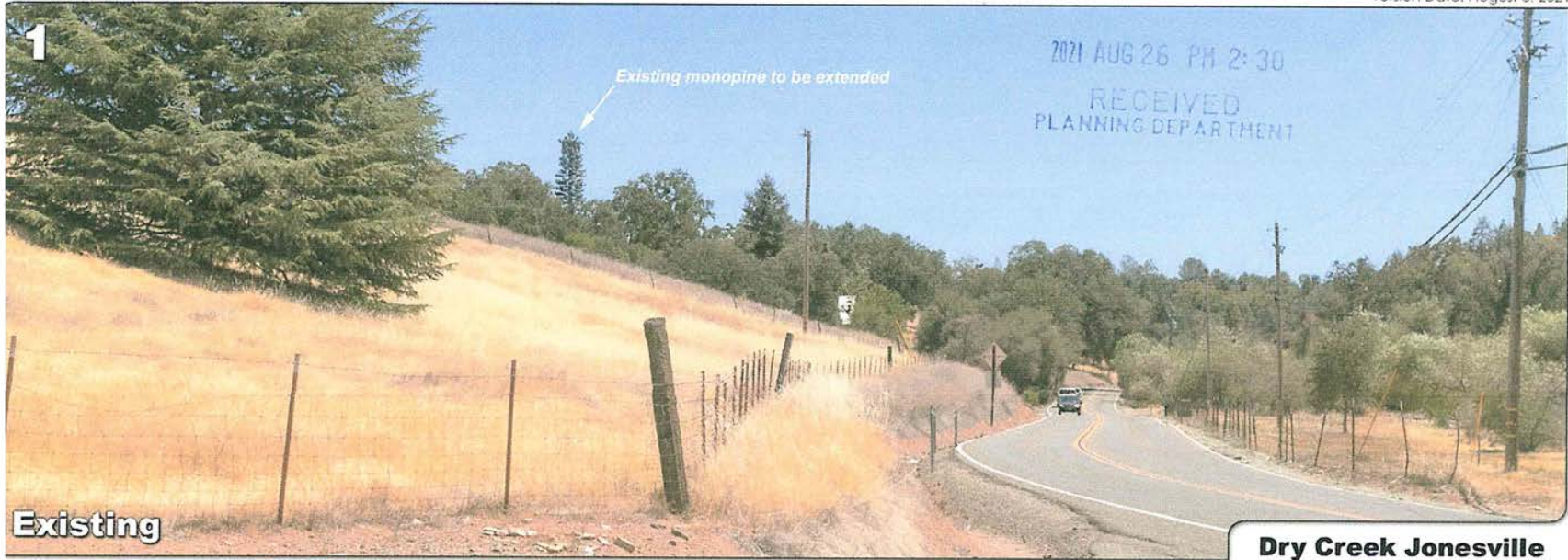
6521 Green Valley Rd
Placerville, CA 95667
CVL03123



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EXHIBIT G - SITE PHOTO SIMULATIONS

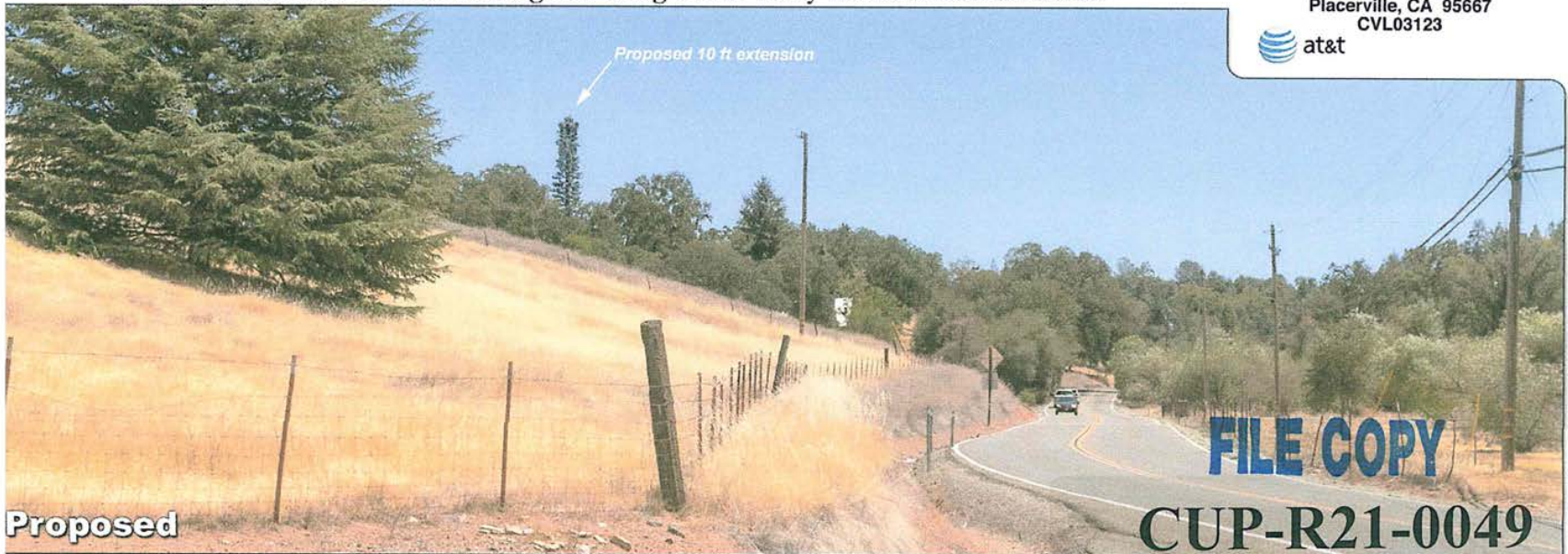
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Existing

Photosimulation of the view looking east along Green Valley Rd from Mortara Circle.

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Proposed

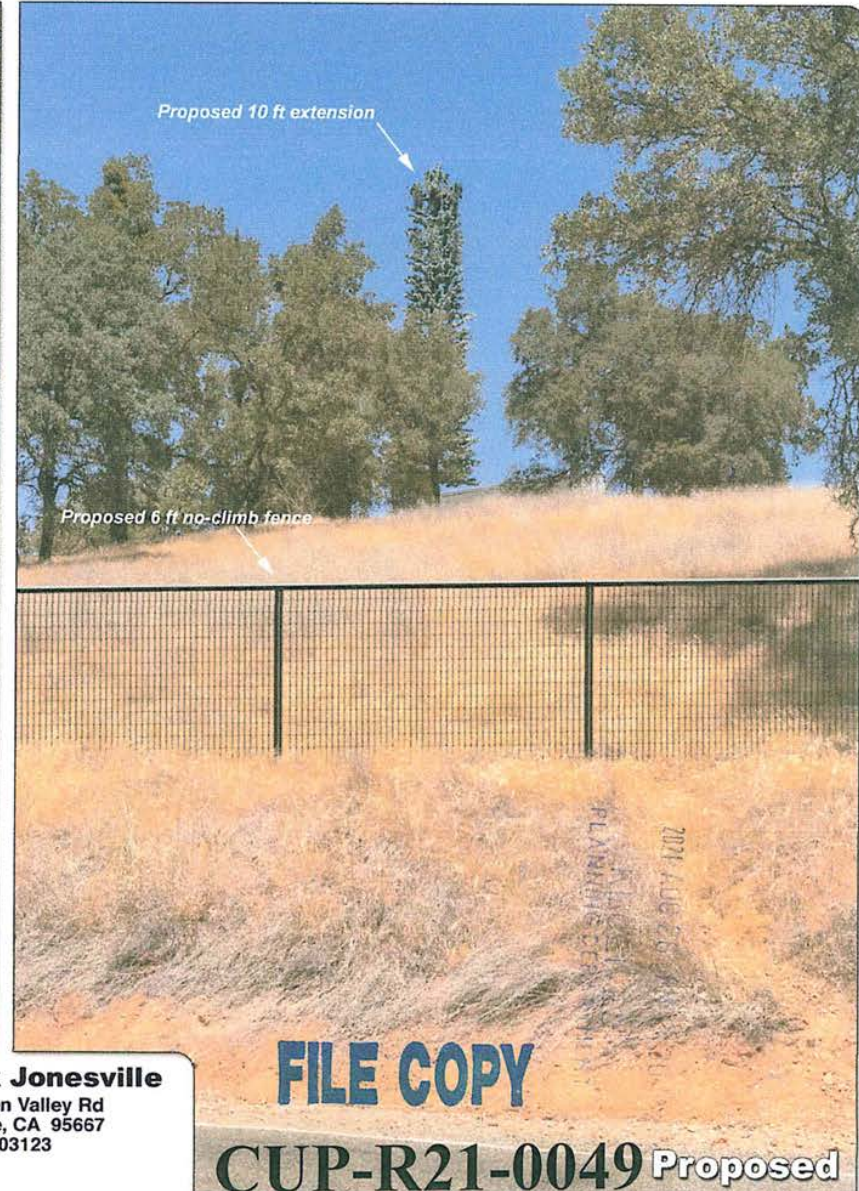
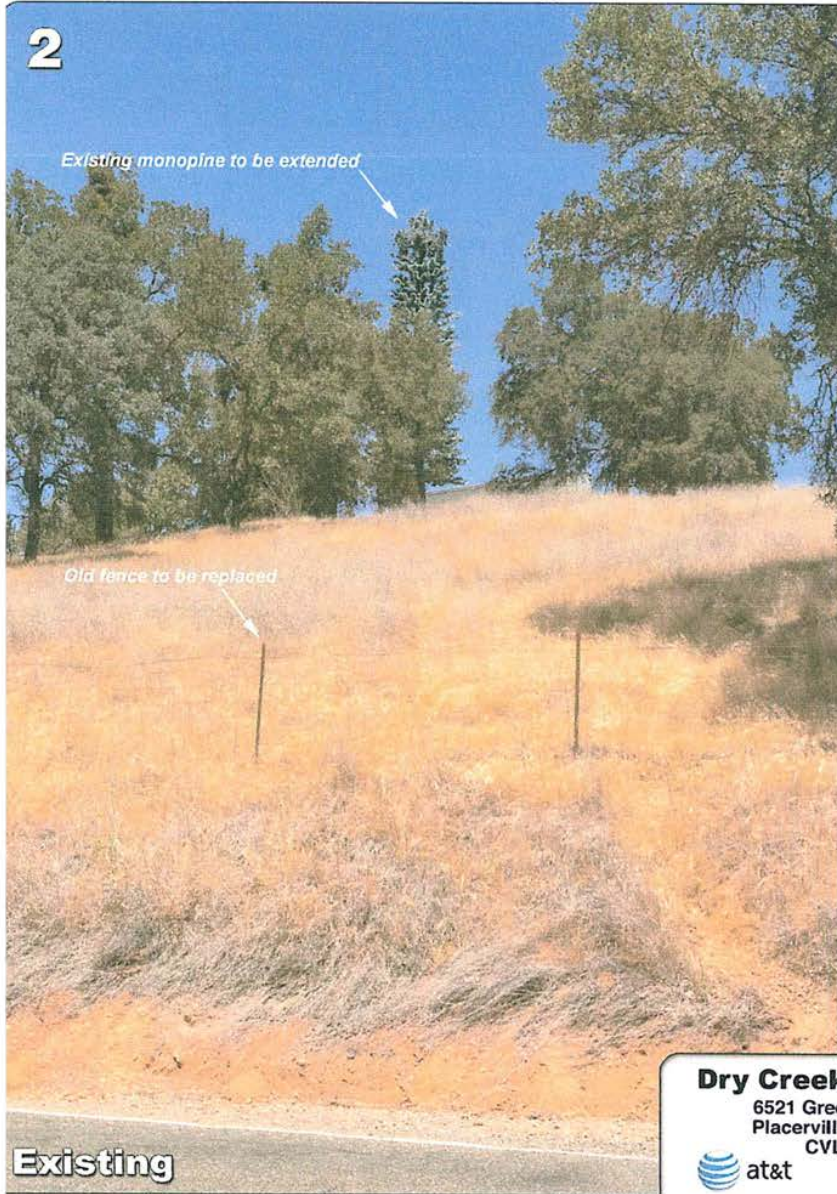
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EXHIBIT G - SITE PHOTO SIMULATIONS

Version Date: August 3, 2021

Photosimulation of the view looking due north, between the trees, from the nearest point along Green Valley Road.



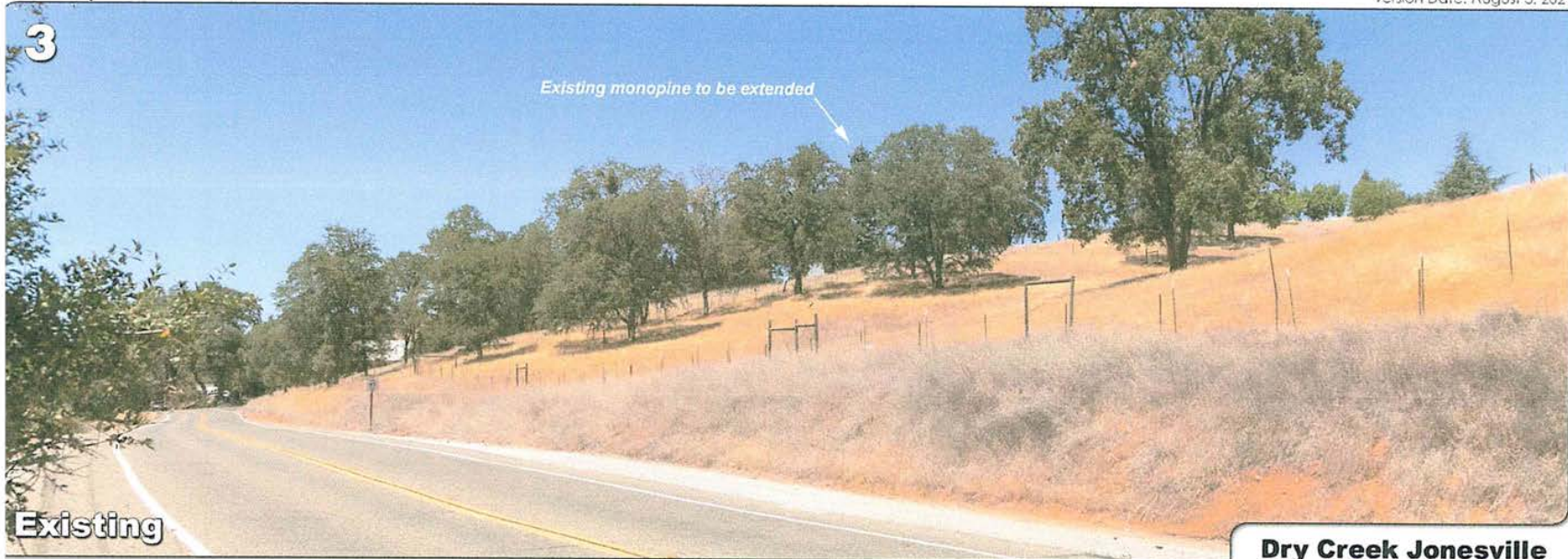
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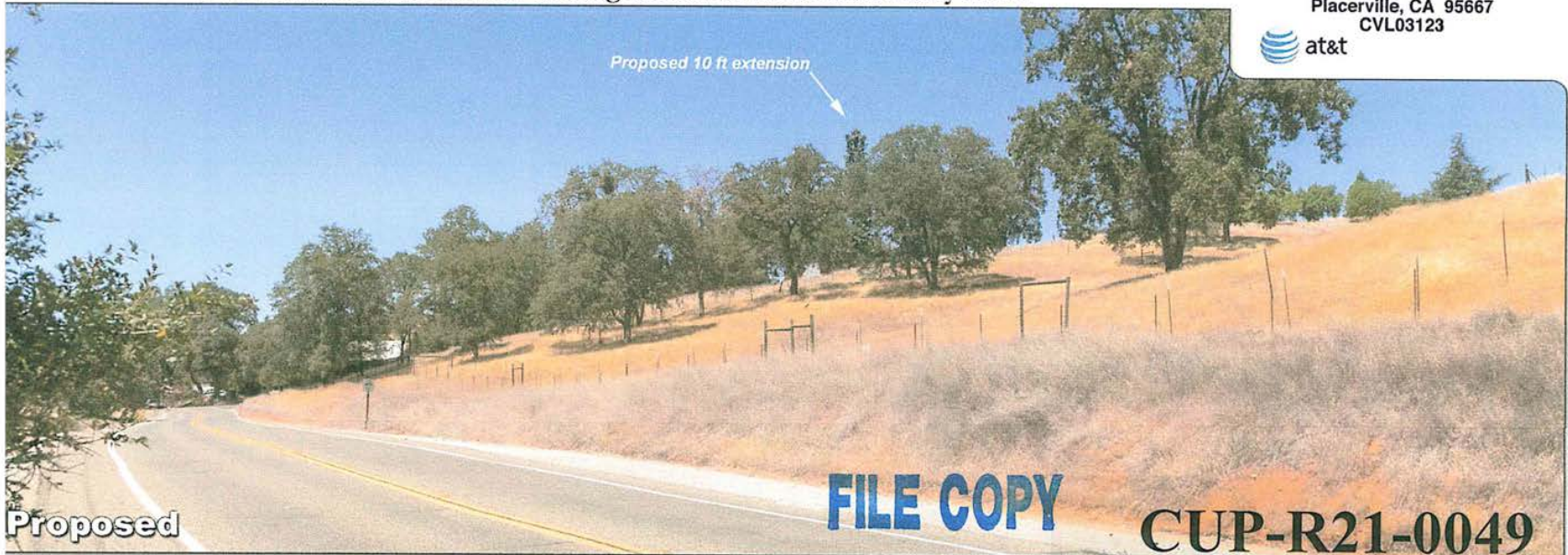
CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT G - SITE PHOTO SIMULATIONS

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Photosimulation of the view looking northwest from Green Valley Road.

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**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT H - RADIO FREQUENCY (RF) REPORT**

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WATERFORD

Radio Frequency Emissions Compliance Report For AT&T Mobility

Site Name: Dry Creek Jonesville	Site Structure Type: Monopine
Address: 6521 Green Valley Road Placerville, CA	Latitude: 38.720706
Report Date: August 7, 2019	Longitude: -120.875592
	Project: New Build

Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the Dry Creek Jonesville installation proposed by AT&T Mobility will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. §§ 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the Monopine to authorized climbers that have completed RF safety training is required for Occupational environment compliance. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

Certification

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



General Summary

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

CUP-R21-0049

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT H - RADIO FREQUENCY (RF) REPORT**

Dry Creek Jonesville – New Site Build 080719

Table 1: FCC Limits

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

f=Frequency (MHz)

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

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any location given the spatial orientation and operating parameters of multiple RF sources. The power density in the Far Field of an RF source is specified by OET-65 Equation 5 as follows:

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \text{ (mW/cm}^2\text{)}$$

where EIRP is the Effective Radiated Power relative to an isotropic antenna and R is the distance between the antenna and point of study. Additionally, consideration is given to the manufacturers' horizontal and vertical antenna patterns as well as radiation reflection. At any location, the predicted power density in the Far Field is the spatial average of points within a 0 to 6-foot vertical profile that a person would occupy. Near field power density is based on OET-65 Equation 20 stated as

$$S = \left(\frac{180}{\theta_{BW}} \right) \cdot \frac{100 \cdot P_{in}}{\pi \cdot R \cdot h} \text{ (mW/cm}^2\text{)}$$

where P_{in} is the power input to the antenna, θ_{BW} is the horizontal pattern beamwidth and h is the aperture length.

Some antennas employ beamforming technology where RF energy allocated to each customer device is dynamically directed toward their location. In the analysis presented herein, predicted exposure levels are based on all beams at full utilization (i.e. full power) simultaneously focused in any direction. As this condition is unlikely to occur, the actual power density levels at ground and at adjacent structures are expected to be less than the levels reported below. These theoretical results represent worst-case predictions as all RF emitters are assumed to be operating at 100% duty cycle.

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

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT H - RADIO FREQUENCY (RF) REPORT**

Dry Creek Jonesville – New Site Build 080719

Analysis

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

- INSTALL (9) NEW AT&T 6'-6" PANEL ANTENNAS
- INSTALL (3) NEW AT&T 6'-0" PANEL ANTENNAS
- INSTALL (3) NEW AT&T RRUS 4415 825 @ANTENNA LEVEL
- INSTALL (3) NEW AT&T RRUS B14 4478 @ANTENNA LEVEL
- INSTALL (6) NEW AT&T RRUS 4449 B5/B12 @ANTENNA LEVEL
- INSTALL (6) NEW AT&T RRUS 8843 B2/B66A@ANTENNA LEVEL
- INSTALL (3) NEW AT&T RRUS E2 829@ ANTENNA LEVEL
- INSTALL (6) NEW AT&T RRUS 32 @ANTENNA LEVEL

The antennas will be mounted on a new 10' extension to a 70-foot monopine with centerlines 77 feet above ground level. The antennas will be oriented towards 90, 210 and 330 degrees. The radio equipment to be operated at this location is capable of a maximum of 40W per 4G channel at 700 MHz, 40W per 4G channel at 850 MHz, 40W per 4G channel at 1900 MHz, 40W per 4G channel at 2100 MHz, and 25W per 4G channel at 2300 MHz. Other appurtenances such as GPS antennas, RRUs and hybrid cable below the antennas are not sources of RF emissions. Panel antennas have been installed at this site by other wireless operators. Assumed operating parameters for these antennas are listed in Appendix A.

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION EXHIBIT H - RADIO FREQUENCY (RF) REPORT

Dry Creek Jonesville – New Site Build 080719



Figure 1: Antenna Locations

Power density decreases significantly with distance from any antenna. The panel-type antennas to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serves to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at ground level, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.7504% of the FCC General Population limits. Based on the operating parameters in Appendix A, the cumulative power density level at this location from all antennas is 1.0663% of the FCC General Population limits. Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 5.3551% of the FCC General Population limits. Based on the operating parameters in Appendix A, the cumulative power density level at this location from all antennas is 6.5429% of the FCC General Population limits. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

Waterford Consultants, LLC recommends posting RF alerting signage with contact information (Caution 2B) at the base of the Monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT H - RADIO FREQUENCY (RF) REPORT**

Dry Creek Jonesville – New Site Build 080719

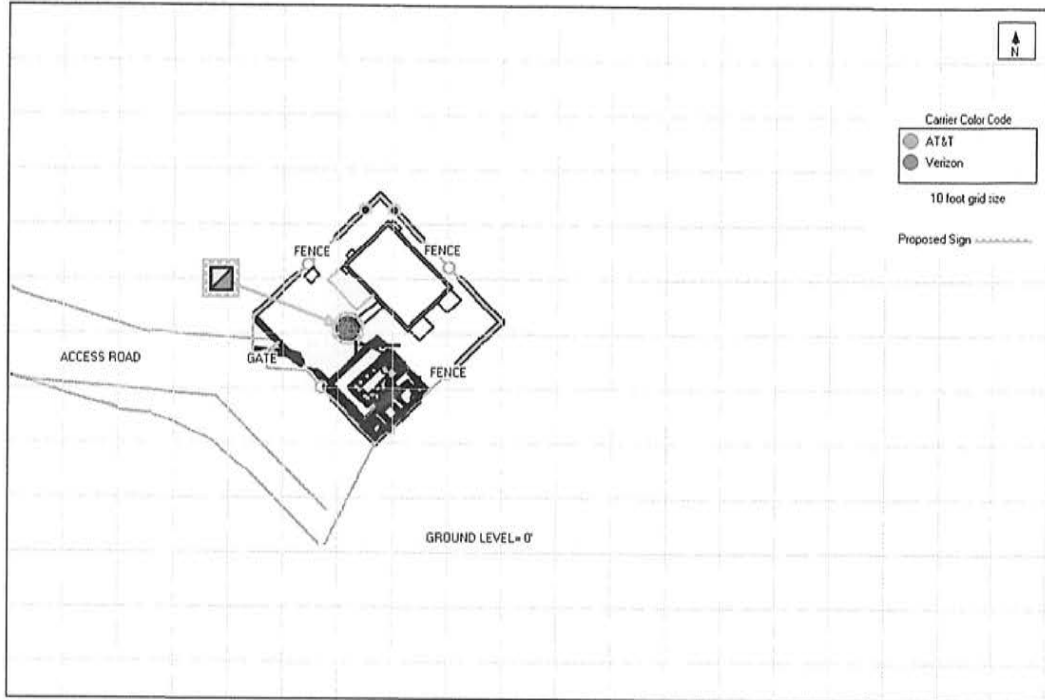


Figure 2: Mitigation Recommendations
Caution 2B posted at base of monopine



**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT H - RADIO FREQUENCY (RF) REPORT**

Dry Creek Jonesville – New Site Build 080719

Appendix A: Assumed Parameters for Antennas Installed by Other Operators

Antenna #:	Carrier:	Manufacturer	Pattern:	Band:	Mech Az (deg):	Mech DT (deg):	H BW (deg):	Length (m):	TPO (W):	Channels:	Loss (dB):	Gain (dBd):	ERP (W):	EIRP (W):	Rad Center (ft):
13	Verizon	COMMSCOPE	NHH-65B-R2B 02DT	700	0	0	65	1.83	80	2	0	12.3	2711	4448	67
14	Verizon	COMMSCOPE	NHH-65B-R2B 02DT	850	0	0	60	1.83	20	8	0	12.6	2938	4821	67
15	Verizon	COMMSCOPE	NHH-65B-R2B 00DT	1900	0	0	69	1.83	40	4	0	15.7	5875	9638	67
16	Verizon	COMMSCOPE	NHH-65B-R2B 00DT	2100	0	0	64	1.83	40	4	0	16.2	6701	10993	67
17	Verizon	COMMSCOPE	NHH-65B-R2B 02DT	700	120	0	65	1.83	80	2	0	12.3	2711	4448	67
18	Verizon	COMMSCOPE	NHH-65B-R2B 02DT	850	120	0	60	1.83	20	8	0	12.6	2938	4821	67
19	Verizon	COMMSCOPE	NHH-65B-R2B 00DT	1900	120	0	69	1.83	40	4	0	15.7	5875	9638	67
20	Verizon	COMMSCOPE	NHH-65B-R2B 00DT	2100	120	0	64	1.83	40	4	0	16.2	6701	10993	67
21	Verizon	COMMSCOPE	NHH-65B-R2B 02DT	700	240	0	65	1.83	80	2	0	12.3	2711	4448	67
22	Verizon	COMMSCOPE	NHH-65B-R2B 02DT	850	240	0	60	1.83	20	8	0	12.6	2938	4821	67
23	Verizon	COMMSCOPE	NHH-65B-R2B 00DT	1900	240	0	69	1.83	40	4	0	15.7	5875	9638	67
24	Verizon	COMMSCOPE	NHH-65B-R2B 00DT	2100	240	0	64	1.83	40	4	0	16.2	6701	10993	67

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT I - ORIGINAL S15-0007**

S15-0007/Indian Creek Verizon Wireless – As approved by the Planning Commission on November 12, 2015

Conditions of Approval

Project Description

1. This Special Use Permit is based upon and limited to compliance with the project description, the following hearing exhibits, and conditions of approval set forth below:

Exhibit F.....Site Plans and Elevations; dated January 14, 2015
Exhibit G.....Visual Simulations

Any deviations from the project description, exhibits, or conditions must be reviewed and approved by the County for conformity with this approval. Deviations may require approved changes to the permit and/or further environmental review. Deviations without the above described approval will constitute a violation of permit approval.

Approval of the Special Use Permit allows the construction and operation of a new wireless communications facility to support cellular transmission within the front half of the existing 16.26-acre parcel identified by Assessor’s Parcel Number 317-250-56, and consisting of the following:

- a. Up to six panel antennas mounted centerline at the height of 67 feet on a 70 foot tall monopine tower, with the top branches not to exceed 75 feet;
- b. One 11.5 by 17 foot concrete equipment shelter within a 32 by 32 foot lease area to house equipment cabinets and associated equipment;
- c. One eight foot tall chain link fence with vinyl slats topped with one foot of barbed wire constructed around the perimeter of the lease area, with one access gate;
- d. One 7 by 13 foot concrete pad for a 30 kW emergency standby generator; and
- e. An aggregate base and paved access road measuring 12 feet wide by approximately 435 feet in length from the existing paved driveway to the cell tower site.

The grading, development, use, and maintenance of the property, the size, shape, arrangement, and location of structures, parking areas and landscape areas, and the protection and preservation of resources shall conform to the project description above and the hearing exhibits and conditions of approval below. The property and any portions thereof shall be sold, leased or financed in compliance with this project description and the approved hearing exhibits and conditions of approval hereto. All plans must be submitted for review and approval and shall be implemented as approved by the County.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT I - ORIGINAL S15-0007**

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Conditions of Approval from the Mitigated Negative Declaration

The following mitigation measure is required as a means to reduce potential significant environmental effects to a level of insignificance.

2. MM BIO 1: If construction activities will occur during the 2016 nesting season (March to September 2016), a pre-construction survey for the presence of special-status bird species or any nesting bird species shall be conducted by a qualified biologist within 500 feet of the proposed construction areas. If active nests are identified in these areas, CDFW and/or USFWS shall be contacted to develop measures to avoid “take” of active nests prior to the initiation of any construction activities. Avoidance measures may include establishment of a buffer zone using construction fencing or the postponement of vegetation removal until after the nesting season, or until after a qualified biologist has determined the young have fledged and are independent of the nest site.

Monitoring Responsibility: The applicant shall conduct all construction activities outside the nesting season or perform a pre-construction survey and perform the necessary avoidance measures prior to initiation of construction activities. This mitigation measure shall be noted on the grading plans.

Monitoring Requirement: California Department of Fish and Wildlife (CDFW) and El Dorado County Development Services Division.

Planning Services

3. **Expiration:** Pursuant to Zoning Ordinance Section 130.22.250, implementation of the project shall occur within 24 months of approval of this permit, otherwise the permit becomes null and void. It is the responsibility of the applicant to monitor the time limit and make diligent progress toward implementation of the project and compliance with Conditions of Approval.
4. **Responsibility for Interference:** The applicant shall assume full responsibility for resolving television reception interference or other electrical interference caused by the operation of this facility. The applicant shall take corrective action within 30 days of the receipt of any written complaint.
5. **Facility Appearance and Screening:** All equipment shelters, cabinets or other auxiliary structures shall be painted in a matching color to comply with the screening requirements of Section 130.14.210.F of the Zoning Ordinance. The pole shall be painted a brown non-reflective color and the antennas shall be painted a green non-reflective color and maintained to match the color of the branch needles. All antennas shall be covered with antenna socks that match the color and texture of the branch needles. The branches shall be installed with random lengths that create an asymmetrical appearance conforming to the shape of a natural pine tree. No antenna shall project out past the branch tips.

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Planning Commission/November 12, 2015
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Planning Services shall verify the painting of all structures prior to approval of the final building permit.

6. **Facility Maintenance:** All improvements associated with the communication facility, including equipment shelters, antennae, and fencing shall be properly maintained at all times. Colors of the panels, equipment enclosure, and other improvements visible to the public shall be maintained to ensure the appearance remains consistent.
7. **Generator Maintenance:** Any routine maintenance that requires running the generator or automatic recycling of the generator shall be performed between the hours of 9:00 a.m. to 3:00 p.m. Monday through Friday.
8. **Conditions Compliance:** Prior to issuance of a building permit or commencement of any use authorized by this permit, the applicant shall provide a written description, together with appropriate documentation, showing conformance of the project with each condition imposed as part of the project approval. The applicant shall also schedule an inspection by Planning Services prior to Building Permit final for any Building Permit for verification of compliance with applicable Conditions of Approval.
9. **Obsolete Equipment:** All obsolete or unused communication facilities shall be removed within six months after the use of that facility has ceased or the facility has been abandoned. The applicant shall notify Planning Services at the time of abandonment and all disturbance related to the communication facility shall be restored to pre-project conditions.
10. **Five-Year Review:** Due to the ever-changing technology of wireless communication systems, this Special Use Permit shall be reviewed by the County Development Services Division every five years. At each five-year review, the permit holder shall provide the Development Services Division with a status report on the then current use of the subject site and related equipment. Development Services shall review the status and determine whether to:
 - a. Allow the facility to continue to operate under all applicable conditions; or
 - b. Hold a public hearing to determine whether to modify the conditions of approval in order to reduce identified adverse impacts; or initiate proceedings to revoke the special use permit, requiring the facility's removal if it is no longer an integral part of the wireless communications system.

By operation of this condition, it is the intent of County to reserve the right to modify or add new conditions, consistent with the language specified above. The failure of the County to conduct or complete a five-year review in a timely fashion shall not invalidate the Special Use Permit. The applicant shall pay a fee determined by the Development Services Director to cover the cost of processing a five-year review on a time and materials basis.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT I - ORIGINAL S15-0007**

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11. **Compliance Responsibility:** The tower operator (lessee) and property owner (lessor) are responsible for complying with all conditions of approval contained in this Special Use Permit. Any zoning violations concerning the installation, operation, and/or abandonment of the facility are the responsibility of the operator and the owner.
12. **Payment of Processing Fees-Development Services:** The applicant shall make the actual and full payment of Planning and Building Services processing fees for the special use permit and building permits prior to issuance of a building permit.
13. **Archeological Resources:** The following shall be incorporated as a note on the grading/improvement plans:

In the event archeological resources are discovered during grading and construction activities, the applicant shall ensure that all such activities cease within 50 feet of the discovery until an archaeologist can examine the find in place. If the find is determined to be a “unique archeological resource”, contingency funding, and a time allotment sufficient to allow recovering an archeological sample or to employ one of the avoidance measures may be required under the provisions set forth in Section 21083.2 of the Public Resources Code. Construction work could continue on other parts of the project site while archeological mitigation takes place.

If the find is determined to be a “unique archeological resource”, the archaeologist shall determine the proper method(s) for handling the resource or item in accordance with Section 21083.2(b-k). Any additional costs as a result of complying with this section shall be borne by the project applicant. Grading and construction activities may resume after appropriate measures are taken or the site is determined a “nonunique archeological resource”.

Planning Services shall verify the inclusion of this notation on the grading/improvement plans prior to the issuance of a permit.

14. **Human Remains:** The following shall be incorporated as a note on the grading/improvement plans:

In the event of the discovery of human remains, all work shall cease and the County coroner shall be immediately notified pursuant to subdivision (c) of Section 7050.5 of the Health and Safety Code and Section 5097.98 of the Public Resources Code. The Coroner shall make his or her determination within two working days from the time the person responsible for the excavation, or his or her authorized representative, notifies the Coroner of the discovery or recognition of the human remains. If the Coroner determines that the remains are not subject to his or her authority and if the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission.

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Upon the discovery of the Native American remains, the landowner shall ensure that the immediate vicinity, according to generally accepted cultural or archaeological standards or practices, where the Native American human remains are located, is not damaged or disturbed by further development activity until the landowner has discussed and conferred, as prescribed in Section 5097.98 of the Public Resources Code, with the most likely descendants regarding their recommendations. The descendants shall complete their inspection and make their recommendation within 48 hours of their notification by the Native American Heritage Commission. The recommendation may include the scientific removal and nondestructive analysis of human remains and items associated with Native American burials or other proper method(s) for handling the remains in accordance with Section 5097.98(b-h). Any additional costs as a result of complying with this section shall be borne by the project applicant. Grading and construction activities may resume after appropriate measures are taken.

Planning Services shall verify the inclusion of this notation on the grading/improvement plans prior to the issuance of a permit.

15. **Hold Harmless Agreement:** In the event of any legal action instituted by a third party challenging the validity of any provision of this approval, the developer and landowner agree to be responsible for the costs of defending such suit and shall hold County harmless from any legal fees or costs County may incur as a result of such action.

The developer and land owner shall defend, indemnify, and hold harmless El Dorado County and its agents, officers, and employees from any claim, action, or proceeding against El Dorado County or its agents, officers, or employees to attack, set aside, void, or annul an approval of El Dorado County concerning a special use permit.

The County shall notify the applicant of any claim, action, or proceeding, and the County shall cooperate fully in the defense.

Environmental Management-Solid Waste and Hazardous Materials Division

16. **Hazardous Materials:** Under the Certified Unified Program Agencies (CUPA) programs, if the operation will involve the storage of reportable quantities of hazardous materials (55 gallons, 500 pounds, 200 cubic feet) for backup power generation, a hazardous materials business plan for the site must be submitted to the Community Development Agency/Environmental Management Division and applicable fees paid.

Air Quality Management District (AQMD)

17. **Fugitive Dust:** The project construction will involve grading and excavation operations, which will result in a temporary negative impact on air quality with regard to the release of particulate matter (PM10) in the form of dust. The project shall adhere to the regulations and mitigation measures for fugitive dust emissions during the construction process. In addition, a Fugitive Dust Mitigation Plan (DMP) Application with

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EXHIBIT I - ORIGINAL S15-0007**

S15-0007/Indian Creek Verizon Wireless
Planning Commission/November 12, 2015
Final Conditions of Approval
Page 6

appropriate fees shall be submitted to and approved by the AQMD prior to start of project construction if a Grading Permit is required from the Building Dept. (Rules 223 and 223.1)

18. **Paving:** Project construction may involve road development and shall adhere to AQMD Rule 224 Cutback and Emulsified Asphalt Paving Materials. (Rule 224)
19. **Painting/Coating:** The project construction may involve the application of architectural coating, which shall adhere to AQMD Rule 215 Architectural Coatings.
20. **Construction Emissions:** During construction, all self-propelled diesel-fueled engines greater than 25 horsepower shall be in compliance with the California Air Resources Board (ARB) Regulation for In-Use Off-Road Diesel Fueled Fleets (§ 2449 et al, title 13, article 4.8, chapter 9, California Code of Regulations (CCR)). The full text of the regulation can be found at ARB's website here: <http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm>. An applicability flow chart can be found here: http://www.arb.ca.gov/msprog/ordiesel/faq/applicability_flow_chart.pdf. Questions on applicability should be directed to ARB at 1-866-634-3735. ARB is responsible for enforcement of this regulation.
21. **New Point Source:** Prior to construction/installation of any new point source emissions units (i.e., emergency standby engine greater than 50hp, etc.), Authority to Construct applications shall be submitted to the AQMD. Submittal of applications shall include facility diagram(s), equipment specifications and emission factors. (Rule 501 and 523)
22. **Portable Equipment:** All portable combustion engine equipment with a rating of 50 horsepower or greater shall be under permit from the California Air Resources Board (CARB). A copy of the current portable equipment permit shall be with said equipment. The applicant shall provide a complete list of heavy-duty diesel-fueled equipment to be used on this project, which includes the make, model, year of equipment, daily hours of operations of each piece of equipment.

Diamond Springs/El Dorado Fire District

23. The applicant shall adhere to pertinent codes and standards from the California Code of Regulations Title 24 Part 9 California Fire Code (CFC), as amended by the Diamond Springs/El Dorado Fire Protection District (FPD), to the satisfaction of the FPD.
24. The new access road shall be a minimum 12 feet wide and be paved for slopes over 15 percent, to the satisfaction of the Fire Protection District.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT J - STORMWATER COORDINATOR WEST SLOPE COMMENTS**

10/14/21, 11:42 AM

Edcgov.us Mail - Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLLOCATION



Bianca Dinkler <bianca.dinkler@edcgov.us>

Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLLOCATION

Amy Phillips <amy.phillips@edcgov.us>
To: Bianca Dinkler <bianca.dinkler@edcgov.us>

Thu, Oct 14, 2021 at 9:52 AM

Hi Bianca,

I do not have any comments for this project.

Thank you,
[Quoted text hidden]

--

Amy A. Phillips, CPSWQ, CPESC, QSD
Storm Water Coordinator - West Slope

County of El Dorado
Tahoe Planning and Stormwater Division
[2850 Fairlane Court, Placerville, CA 95667](https://www.edcgov.us/2850-Fairlane-Court-Placerville-CA-95667)
(530) 621-5921
amy.phillips@edcgov.us

 **Initial Consultation Letter_CUP-R21-0049.pdf**
259K

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT K - COUNTY DEPARTMENT OF TRANSPORTATION COMMENTS
WITH TIS FORM**

10/14/21, 11:44 AM

Edcgov.us Mail - Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLLOCATION



Bianca Dinkler <bianca.dinkler@edcgov.us>

Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLLOCATION

Dave Spiegelberg <dave.spiegelberg@edcgov.us>
To: Bianca Dinkler <bianca.dinkler@edcgov.us>

Thu, Oct 14, 2021 at 11:10 AM

Bianca -

Please see the attached TIS-ID form, completed for the project. No Traffic Study or On-Site Review is required.
DOT takes no exceptions to this project, and offers no further comments or conditions.

Dave W. Spiegelberg, P.E.
Senior Civil Engineer

County of El Dorado
Community Development
Department of Transportation, Development Section
2850 Fairlane Court
Placerville, CA 95667
530-621-6077 / 530-957-3521 (cell) / 530-295-2655 (fax)
dave.spiegelberg@edcgov.us

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----- Forwarded message -----

From: **Planning Department** <planning@edcgov.us>
Date: Thu, Oct 14, 2021 at 8:37 AM
Subject: Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLLOCATION
To:

[Quoted text hidden]

Initial Consultation Letter_CUP-R21-0049.pdf
259K

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT K - COUNTY DEPARTMENT OF TRANSPORTATION COMMENTS
WITH TIS FORM**



**DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PLANNING**

2850 Fairlane Court, Placerville, CA 95667
Phone (530) 621-6543, Fax (530) 698-8019

Transportation Impact Study (TIS) – Initial Determination

The information provided with this form will be used by County staff to determine if the proposed project will be required to complete a Transportation Impact Study (TIS) or an On-Site Transportation Review (OSTR). If one or both are required, County staff will contact the applicant with more information about the required studies. Both studies are described in the TIS Guidelines, which can be found on the County's website. *An OSTR is typically required for all projects.*

Complete and submit this form along with a detailed project description and a site plan by mail, fax or email.

Mail: DOT, Transportation Planning Attn: Natalie Porter / Tia Raamot 2850 Fairlane Court Placerville, CA 95667 Date Received by Transportation Planning: _____	Fax: (530) 698-8019 Phone: (530) 621-5442 Email: natalie.porter@sdcgov.us
--	---

MAY 10 2026 11:28 AM
PLANNING DEPARTMENT

Applicant Information:

Name: <u>AT&T Attn: Karen Lienert</u>	Phone #: <u>916-834-0834</u>
Address: <u>605 Coolidge Drive #100, Folsom, CA</u>	Email: <u>landmarkconsulting@sbcglobal.net</u>

Project Information:

Name of Project: <u>AT&T Jonesville Site</u>	Planning Number: _____
Project Location: <u>6521 Green Valley Road, Placerville, CA</u>	Bldg Size: _____
APN(s): <u>317-250-56</u>	Project Planner: _____
	Number of units: _____

Description of Project: (Use, Number of Units, Building Size, etc.)

This is an unmanned communication facility. Site will be visited following construction 1-2 times per month -

*AT&T CO-LOCATION ON EXIST VERIZON
MONOPINE + NEW AT&T GROUND EQUIP-*

Please attach a project site plan

If an OSTR is required, the following information shall be evaluated and the findings signed and stamped by a registered Traffic Engineer or Civil Engineer, and shall be included with the project submittal:

1. Existence of any current traffic problems in the local area such as a high-accident location, non-standard intersection or roadway, or an intersection in need of a traffic signal
2. Proximity of proposed site driveway(s) to other driveways or intersections
3. Adequacy of vehicle parking relative to both the anticipated demand and zoning code requirements
4. Adequacy of the project site design to fully satisfy truck circulation and loading demand on-site, when the anticipated number of deliveries and service calls may exceed 10 per day
5. Adequacy of the project site design to provide at least a 25 foot minimum required throat depth (MRTD) at project driveways, include calculation of the MRTD
6. Adequacy of the project site design to convey all vehicle types
7. Adequacy of sight distance on-site
8. Queuing analysis of "drive-through" facilities

Rev 3/24/2020

CUP-R21-0049

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT K - COUNTY DEPARTMENT OF TRANSPORTATION COMMENTS
WITH TIS FORM**



**DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PLANNING**

2850 Fairlane Court, Placerville, CA 95667
Phone (530) 621-6543, Fax (530) 698-8019

Transportation Impact Study (TIS) – Initial Determination (Page 2)

TO BE COMPLETED BY COUNTY STAFF:

The following project uses are typically exempt from the preparation of a TIS:

- | | |
|--|--|
| <input type="checkbox"/> 4 or less single family homes | <input type="checkbox"/> 10,000 square feet or less for industrial |
| <input type="checkbox"/> 4 or less multi-family units | <input type="checkbox"/> 20,000 square feet or less for church |
| <input type="checkbox"/> 2,000 square feet or less for shopping center | <input type="checkbox"/> 40,000 square feet or less for warehouse |
| <input type="checkbox"/> 6,000 square feet or less for general office | <input type="checkbox"/> 45,000 square feet or less for mini-storage |
- None apply – a TIS is required with applicable fee.

County Staff Determination:

The TIS or OSTR may be waived if no additional vehicle trips will be generated by the proposed change, no up-zoning is requested, or no intensification of use is requested. Transportation Planning staff may waive the TIS requirement. The Transportation Director or his/her designee may waive the OSTR requirement.

- TIS and OSTR are both waived. No further transportation studies are required.
- On-Site Transportation Review is required. A TIS is not required. The OSTR shall address all items listed, unless otherwise noted.
- The TIS and OSTR are required. An initial deposit for TIS scoping and review is required by DOT Transportation Planning staff. See Attached TIS Initial Fund Request letter.

TIS waiver approved by:

DOT Transportation Planning Signature

10/14/21
Date

W/12
ADH TS

OSTR waiver approved by:

Department of Transportation Director or Designee

10/14/21
Date

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT L - EDC EMERGENCY SERVICES AUTHORITY COMMENTS**

10/14/21, 1:07 PM

Edcgov.us Mail - Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLOCATION



Bianca Dinkler <bianca.dinkler@edcgov.us>

Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLOCATION

Planning Department <planning@edcgov.us>
To: Bianca Dinkler <bianca.dinkler@edcgov.us>

Thu, Oct 14, 2021 at 12:44 PM

----- Forwarded message -----

From: **Brian Veerkamp** <bveerkamp@edcjsa.org>
Date: Thu, Oct 14, 2021 at 12:27 PM
Subject: RE: Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLOCATION
To: Planning Department <planning@edcgov.us>
Cc: Cristy Jorgensen <cjorgensen@edcjsa.org>

Bianca,

Thank you for the opportunity to comment on this project. The El Dorado County Emergency Services Authority would like to go on record of supporting this project. Our service relies upon communication connectivity for emergency response and communication and this project supports and enhances our service to our community, our Base Hospital, and communications center. Thanks again and feel free to reach back if we can be of any assistance to get this project approved.

Sincerely,

Brian K. Veerkamp
Director

From: krystina.baudrey@edcgov.us <krystina.baudrey@edcgov.us> **On Behalf Of** Planning Department
Sent: Thursday, October 14, 2021 8:38 AM
Subject: Project for Review & Comment - CUP-R21-0049 – AT&T/VERIZON COLOCATION

Good Morning,

[Quoted text hidden]

WARNING: This email and any attachments may contain private, confidential, and privileged material for the sole use of the intended recipient. Any unauthorized review, copying, or distribution of this email (or any attachments) by other than the intended recipient is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments.

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT M - COUNTY ENVIRONMENTAL MANAGEMENT DEPARTMENT COMMENTS



ENVIRONMENTAL MANAGEMENT DEPARTMENT

<http://www.edcgov.us/EMD/>

PLACERVILLE OFFICE:

2850 Fairlane Court
Placerville, CA 95667
(530) 621-5300
(530) 626-7130 Fax

LAKE TAHOE OFFICE:

924 B Emerald Bay Road
South Lake Tahoe, CA 96150
(530) 573-3450
(530) 542-3364 Fax

INTEROFFICE MEMORANDUM

TO: **BIANCA DINKLER**, Project Planner
EDC Development Services Division

FROM: Environmental Management

SUBJECT: CUP-R21-0049 AT&T

DATE: 11/12/2021

CC:

Environmental Management Department staff have reviewed the subject application. The following reflects our concerns and requirements:

Environmental Health (Bryan Vyverberg x5924):

Proposed cellular tower meets setbacks from existing septic system. No other comments or concerns.

Hazardous Materials (Mark Moss x6665):

EMD Hazmat/CUPA: If the facility is handling hazardous materials in excess of reportable quantities the facility will be required to submit the appropriate information into CERS (California Environmental Reporting System) within 30 day of having the hazardous materials onsite.

Solid Waste Division (Timothy Engle x6587):

Construction and Demolition (C&D) Debris Recycling
State Law mandates that a minimum of 65% of the waste materials generated from covered Construction and Demolition projects must be diverted from being landfilled by being recycled or reused on site. Please visit the following website to view El Dorado County's Construction & Demolition Debris Recycling Ordinance Program information and requirements. If after reviewing this information you still have questions, you're welcome to call Environmental Management at (530) 621-5300.

Tribal Cultural Resources Unanticipated Discoveries

The following mitigation measure¹ is intended to address the evaluation and treatment of inadvertent/unanticipated discoveries of potential tribal cultural resources (TCRs), archaeological, or cultural resources during a project's ground disturbing activities.

If any suspected TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find, or an agreed upon distance based on the project area and nature of the find. A Tribal Representative from a California Native American tribe that is traditionally and culturally affiliated with a geographic area shall be immediately notified and shall determine if the find is a TCR (PRC §21074). The Tribal Representative will make recommendations for further evaluation and treatment as necessary.

When avoidance is infeasible, preservation in place is the preferred option for mitigation of TCRs under CEQA and UAIC protocols, and every effort shall be made to preserve the resources in place, including through project redesign, if feasible. Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, or returning objects to a location within the project area where they will not be subject to future impacts. Permanent curation of TCRs will not take place unless approved in writing by UAIC or by the California Native American Tribe that is traditionally and culturally affiliated with the project area.

The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate tribal treatment of the find, as necessary. Treatment that preserves or restores the cultural character and integrity of a TCR may include Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil.

Work at the discovery location cannot resume until all necessary investigation and evaluation of the discovery under the requirements of the CEQA, including AB52, have been satisfied.



¹ Proposed Mitigation Measure includes suggested template language to assist lead CEQA agencies, and their consultants, in understanding the Tribe's policies and expectations. All measures are subject to periodic review and change by the consulting Tribe to reflect best practices and to be worded on a project scope and site specific basis.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



Plan Review Team
Land Management

PGPlanReview@pge.com

October 22, 2021

Bianca Dinkler
County of El Dorado
2850 Fairlane Court
Placerville, CA 95667

Ref: Gas and Electric Transmission and Distribution

Dear Bianca Dinkler,

Thank you for submitting the CUP-R21-0049 plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: https://www.pge.com/en_US/business/services/building-and-renovation/overview/overview.page.
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team
Land Management

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



Attachment 1 – Gas Facilities

There could be gas transmission pipelines in this area which would be considered critical facilities for PG&E and a high priority subsurface installation under California law. Care must be taken to ensure safety and accessibility. So, please ensure that if PG&E approves work near gas transmission pipelines it is done in adherence with the below stipulations. Additionally, the following link provides additional information regarding legal requirements under California excavation laws: <https://www.usanorth811.org/images/pdfs/CA-LAW-2018.pdf>

1. Standby Inspection: A PG&E Gas Transmission Standby Inspector must be present during any demolition or construction activity that comes within 10 feet of the gas pipeline. This includes all grading, trenching, substructure depth verifications (potholes), asphalt or concrete demolition/removal, removal of trees, signs, light poles, etc. This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48 hours is required. Ensure the USA markings and notifications are maintained throughout the duration of your work.

2. Access: At any time, PG&E may need to access, excavate, and perform work on the gas pipeline. Any construction equipment, materials, or spoils may need to be removed upon notice. Any temporary construction fencing installed within PG&E's easement would also need to be capable of being removed at any time upon notice. Any plans to cut temporary slopes exceeding a 1:4 grade within 10 feet of a gas transmission pipeline need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

3. Wheel Loads: To prevent damage to the buried gas pipeline, there are weight limits that must be enforced whenever any equipment gets within 10 feet of traversing the pipe.

Ensure a list of the axle weights of all equipment being used is available for PG&E's Standby Inspector. To confirm the depth of cover, the pipeline may need to be potholed by hand in a few areas.

Due to the complex variability of tracked equipment, vibratory compaction equipment, and cranes, PG&E must evaluate those items on a case-by-case basis prior to use over the gas pipeline (provide a list of any proposed equipment of this type noting model numbers and specific attachments).

No equipment may be set up over the gas pipeline while operating. Ensure crane outriggers are at least 10 feet from the centerline of the gas pipeline. Transport trucks must not be parked over the gas pipeline while being loaded or unloaded.

4. Grading: PG&E requires a minimum of 36 inches of cover over gas pipelines (or existing grade if less) and a maximum of 7 feet of cover at all locations. The graded surface cannot exceed a cross slope of 1:4.

5. Excavating: Any digging within 2 feet of a gas pipeline must be dug by hand. Note that while the minimum clearance is only 12 inches, any excavation work within 24 inches of the edge of a pipeline must be done with hand tools. So to avoid having to dig a trench entirely with hand tools, the edge of the trench must be over 24 inches away. (Doing the math for a 24 inch

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [$24/2 + 24 + 36/2 = 54$] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 12 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible ($90^\circ \pm 15^\circ$). All utility lines crossing the gas pipeline must have a minimum of 12 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



11. Cathodic Protection: PG&E pipelines are protected from corrosion with an “Impressed Current” cathodic protection system. Any proposed facilities, such as metal conduit, pipes, service lines, ground rods, anodes, wires, etc. that might affect the pipeline cathodic protection system must be reviewed and approved by PG&E Corrosion Engineering.

12. Pipeline Marker Signs: PG&E needs to maintain pipeline marker signs for gas transmission pipelines in order to ensure public awareness of the presence of the pipelines. With prior written approval from PG&E Pipeline Services, an existing PG&E pipeline marker sign that is in direct conflict with proposed developments may be temporarily relocated to accommodate construction work. The pipeline marker must be moved back once construction is complete.

13. PG&E is also the provider of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E’s facilities must be reviewed and approved by PG&E to ensure that no impact occurs which may endanger the safe operation of its facilities.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. Buildings and Other Structures: No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as "**RESTRICTED USE AREA – NO BUILDING.**"
2. Grading: Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. Fences: Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. Landscaping: Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), trees and shrubs are limited to those varieties that do not exceed 15 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. Reservoirs, Sumps, Drainage Basins, and Ponds: Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. Automobile Parking: Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. Storage of Flammable, Explosive or Corrosive Materials: There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



8. Streets and Roads: Access to facilities must be maintained at all times. Street lights may be allowed in the fee strip(s) and/or easement(s) but in all cases must be reviewed by PG&E for proper clearance. Roads and utilities should cross the transmission easement as nearly at right angles as possible. Road intersections will not be allowed within the transmission easement.

9. Pipelines: Pipelines may be allowed provided crossings are held to a minimum and to be as nearly perpendicular as possible. Pipelines within 25 feet of PG&E structures require review by PG&E. Sprinklers systems may be allowed; subject to review. Leach fields and septic tanks are not allowed. Construction plans must be submitted to PG&E for review and approval prior to the commencement of any construction.

10. Signs: Signs are not allowed except in rare cases subject to individual review by PG&E.

11. Recreation Areas: Playgrounds, parks, tennis courts, basketball courts, barbecue and light trucks (pickups, vans, etc.) may be allowed; subject to review of plans. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications.

12. Construction Activity: Since construction activity will take place near PG&E's overhead electric lines, please be advised it is the contractor's responsibility to be aware of, and observe the minimum clearances for both workers and equipment operating near high voltage electric lines set out in the High-Voltage Electrical Safety Orders of the California Division of Industrial Safety (<https://www.dir.ca.gov/Title8/sb5g2.html>), as well as any other safety regulations. Contractors shall comply with California Public Utilities Commission General Order 95 (http://www.cpuc.ca.gov/gos/GO95/go_95_startup_page.html) and all other safety rules. No construction may occur within 25 feet of PG&E's towers. All excavation activities may only commence after 811 protocols has been followed.

Contractor shall ensure the protection of PG&E's towers and poles from vehicular damage by (installing protective barriers) Plans for protection barriers must be approved by PG&E prior to construction.

13. PG&E is also the owner of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E's facilities must be reviewed and approved by PG&E to ensure that no impact occurs that may endanger the safe and reliable operation of its facilities.

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT O - PG&E COMMENTS**



Plan Review Team
Land Management

PGEPlanReview@pge.com

November 15, 2021

Bianca Dinkler
County of El Dorado
2850 Fairlane Court
Placerville, CA 95667

Re: CUP-R21-0049
6521 Green Valley Road, Placerville, CA

Dear Bianca Dinkler,

Thank you for providing PG&E the opportunity to review your proposed plans for CUP-R21-0049 dated October 21, 2021. Our review indicates your proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights.

Please note this is our preliminary review and PG&E reserves the right for additional future review as needed. This letter shall not in any way alter, modify, or terminate any provision of any existing easement rights. If there are subsequent modifications made to your design, we ask that you resubmit the plans to the email address listed below.

If you require PG&E gas or electrical service in the future, please continue to work with PG&E's Service Planning department: <https://www.pge.com/cco/>.

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

If you have any questions regarding our response, please contact the PG&E Plan Review Team at (877) 259-8314 or pgeplanreview@pge.com.

Sincerely,

PG&E Plan Review Team
Land Management

CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT P - COUNTY AGRICULTURAL COMMISSION RECOMMENDATION

COUNTY OF EL DORADO



AGRICULTURAL COMMISSION

311 Fair Lane
Placerville, CA 95667
(530) 621-5520
(530) 626-4756 FAX
eldcag@edcgov.us

Greg Boeger, Chair – Agricultural Processing Industry
Dave Bolster, Vice-chair – Fruit and Nut Farming Industry
Chuck Bacchi – Livestock Industry
Bill Draper – Forestry/Related Industries
Ron Mansfield – Fruit and Nut Farming Industry
Tim Neilsen – Livestock Industry
Lloyd Walker – Other Agricultural Interests

MEMORANDUM

DATE: December 8, 2021
TO: Development Services/Planning
FROM: Greg Boeger, Chair
Subject: ADM AT&T/Verizon Colocation (Project File No. CUP-R21-0049)

During the Agricultural Commission's regularly scheduled meeting held in the Board of Supervisors Meeting Room and via ZOOM meeting held on December 8, 2021, 6:30 pm the Commission heard a request from the Planning Department for a Conditional Use Permit Revision for AT&T colocation on an existing Verizon 70-ft monopine cell tower. Project would include six (6) new AT&T antennas for a new height of 85-ft. Project includes a new fenced lease area of 12-ft x 20-ft with associated equipment, including new premanufactured walk-in cabinets, and a 30KW Diesel Emergency Backup Generator. The property, identified by Assessor's Parcel Number 317-250-056, consists of 16.26 acres, and is located on the north side of Green Valley Road, approximately 1000 feet east of the intersection with Mortara Circle in the Placerville area. The parcel is zoned Estate Residential, Five-acre (RE-5) with a General Plan land use designation of Low Density Residential (LDR), and is adjacent to Planned Agricultural, Ten-acre (PA-10) zoning to the east.

General Plan Policy 8.1.4.1. requires a recommendation from the Agricultural Commission as follows:

Policy 8.1.4.1 The County Agricultural Commission shall review all discretionary development applications and the location of proposed public facilities involving land zoned for or designated agriculture, or lands adjacent to such lands, and shall make recommendations to the reviewing authority. Before granting approval, a determination shall be made by the approving authority that the proposed use:

- A. Will not intensify existing conflicts or add new conflicts between adjacent residential areas and agricultural activities; and

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT P - COUNTY AGRICULTURAL COMMISSION RECOMMENDATION**

Meeting Date: December 8, 2021
Re: AT&T/Verizon CUP-R21-0049

- B. Will not create an island effect wherein agricultural lands located between the project site and other non-agricultural lands will be negatively affected; and
- C. Will not significantly reduce or destroy the buffering effect of existing large parcel sizes adjacent to agricultural lands.

Parcel Description:

- Parcel Number and Acreage: 317-250-56, 16.259 Acres
- Agricultural District: No
- Land Use Designation:LDR = Low Density Residential
- Zoning: RE-5.
- Choice Soils = BhD: Boomer Gravelly Loam 15 To 30 % Slopes

Staff Recommendation:

Staff recommends support of Conditional Use Permit CUP-R21-0049, as staff believes there will be no conflict with General Plan policy 8.1.4.1.

Chair Boeger brought the item back to the Commission for discussion. Commissioner Draper brought up the placement of the generator to the adjoining property and inquired if the new generator could be placed further away from the neighboring property Parcel No. 317-250-054. Commissioner Walker discussed the continuation of the generator being run after power was restored per the public comment received. The applicant was not present.

It was moved by Commissioner Walker and seconded by Commissioner Neilsen to recommend APPROVAL of staff's recommendations for the above-referenced Conditional Use Permit Revision with a request to forward the public comment letter to the Planning Commission for further review of generator placement and extended noise after power restoration, as staff believes there will be no conflict with General Plan policy 8.1.4.1.

Please note: Bianca Dinkler from Planning answered additional questions from the Commissioners and said she would forward the following to the applicant: Concerns on placement of generator to mitigate effects of noise and the extended run time of the generator after power outages are restored. (Letter submitted by Kasey and Charity Owens forwarded with this document)

For the complete presentation and all of the public participants questions and concerns please go to: (Note: Will be posted after Minutes are approved at next scheduled Agricultural Commission Meeting) <https://eldorado.legistar.com>

Motion passed:

**AYES: Walker, Boeger, Neilsen, Bacchi,
ZOOM AYES: Bolster, Draper,
NOES: None
ABSENT: Mansfield**

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT Q - PUBLIC COMMENT, KASEY & CHARITY OWENS**

12/6/2021

Dear Agricultural Commission Members,

I am writing this to relay my opposition to an AT&T project (Project File No. R21-0049). Unfortunately, we did not protest the original project as we saw a Mortara address description which is over ¼ mile from us did not foresee how that could be the description of our immediate neighbors' address. Our issue with the location of the initial Verizon tower was not the tower itself, it was the proximity to our property line. On a 16 acre property, the tower was put approximately 40 yards from our property line. As this is an Agricultural Commission, I won't get in to the aesthetics of the tower, but rather talk about the impacts to us in relation to our Agricultural health. The new projects' additional height will be an eyesore but my main complaint about the project is the second 30kw Diesel generator that will be installed. During our power outages over the last couple of years the current Verizon generator will start and remain on for days after the outage is over. In one case last fall, the generator ran for a full week after the outage had ended. The cell tower and accompanying generator sit due West of my house which is our prevailing wind direction and the diesel exhaust can be smelled and heard from my house. We raise pigs, goats, chickens and will occasionally house cattle in the pasture which adjoins my neighbor's property. The cattle and pigs will not graze the adjoining pasture while the generator is running. This additional generator and extension to the cell tower is not an impact to my neighbors as they profit from the tower and have a second residence in Sacramento. We do not have the same luxuries.

I will make every effort to be available during the public comment on Zoom but as I am on duty for the El Dorado Hills FD on the night of the meeting I am unsure if this will be possible. I appreciate the opportunity to relay my opposition by letter.

Warm regards'

Kasey and Charity Owens

[Phone] 


[Email] 

[Website] 

[Street Address, City, State, Zip Code] 

**CUP-R21-0049 AT&T VERIZON COLOCATION CELL TOWER REVISION
EXHIBIT Q - PUBLIC COMMENT, KASEY & CHARITY OWENS**



[Phone] 

[Email] 

[Website] 

[Street Address, City, State, Zip Code] 