SITE NUMBER: CVL03123
SITE NAME: DRY CREEK JONESVILLE

6521 GREEN VALLEY ROAD
PLACERVILLE, CALIFORNIA 95667

JURISDICTION: COUNTY OF EL DORADO

APN: 317-250-56-100

PACE ID: MRSFR073684, FA: 13787633, PTN: 3701A0WDE3

SITE TYPE: MONOPINE/CO-LOCATION

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO CONSTRUCT AN UNMANNED TELECOMMUNICATIONS FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL (1) NEW 12'X20' FENCED LEASE AREA
- INSTALL NEW AT&T POWER / TELCO / FIBER TO SITE LOCATION
- INSTALL (1) NEW AT&T PRE-MANUFACTURED WALK IN CABINET (WIC)
- INSTALL (6) NEW AT&T PANEL ANTENNAS
- INSTALL (12) NEW AT&T RRUS @ ANTENNA LEVEL
- INSTALL (3) NEW AT&T DC-SURGE SUPPRESSORS "SQUIDS" @ ANTENNA LEVEL
- INSTALL (1) NEW AT&T GPS UNIT MOUNTED TO FACADE OF NEW PRE-MANUFACTURED WALK IN CABINET (WIC)
- INSTALL (1) NEW AT&T 30KW DIESEL EMERGENCY BACKUP GENERATOR WITH 190 GAL. BELLY TANK
- INSTALL (3) NEW AT&T FIBER TRUNK, (1) PER DC-9
- INSTALL (9) NEW AT&T DC POWER TRUNK, (3) PER DC-9
- INSTALL (1) NEW AT&T CIENA BOX MOUNTED ON NEW H-FRAME
- INSTALL (1) NEW AT&T POWER PANEL MOUNTED ON NEW H-FRAME
- INSTALL (1) NEW AT&T 200A POWER METER MOUNTED ON NEW H-FRAME
- INSTALL (1) NEW AT&T GENERATOR ATS MOUNTED ON NEW H-FRAME
- INSTALL (6) NEW 2" INNERDUCT FOR FIBER/DC TRUNKS

NOTE: RF EQUIPMENT IS SHOWN IN CHART ON A-3.

PROJECT INFORMATION

SITE NAME: DRY CREEK JONESVILLE

SITE NUMBER: CVL03123

SEARCH RING: DRY CREEK JONESVILLE

FA# 13787633

SITE ADDRESS:	6521 GREEN VALLEY ROAD PLACERVILLE, CALIFORNIA 95667
ASSESSOR'S PARCEL NO.:	317-250-56-100
NEW USE:	UNMANNED OUTDOOR TELECOMMUNICATIONS FACILITY
ZONING JURISDICTION:	COUNTY OF EL DORADO
LATITUDE:	38° 43' 14.52" N (38.7207060)
LONGITUDE:	120°52'32.19" W (-120.8755920)
GROUND ELEVATION:	1527.6'
ZONING CLASSIFICATION:	TBD
TYPE OF CONSTRUCTION:	V-B
OCCUPANCY GROUP:	U

PROPERTY OWNER:
BLAIR CLARKE & BROOKS MITCHELL
6521 GREEN VALLEY ROAD
PLACERVILLE, CALIFORNIA 95667

POWER AGENCY:
PG&E CORPORATION
1 MARKET STREET, SPEAR TOWER
SAN FRANCISCO, CA 94105-1126
PHONE: (800) 743-5000

TELEPHONE AGENCY:
AT&T CALIFORNIA
525 MARKET STREET
SAN FRANCISCO, CA 94105
PHONE: (800) 310-2355

TOWER MANAGEMENT:
VERIZON WIRELESS
255 PARKSHORE DR
FOLSOM, CA 95630

RFDS DATES: 12/26/2018 ISSUE: 1.00.00
REVISION: 1.00.01
RFDS DATE UPDATED: 11/10/2020

PROJECT TEAM

APPLICANT / LESSEE:
AT&T MOBILITY
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583
CONTACT: BRADLEY HEAD
EMAIL: bh97a@att.com
PHONE: (925) 983-7370

STRUCTURAL ENGINEER:
VECTOR STRUCTURAL ENGINEERS, LLC.
651 W. GALENA PARK BLVD, SUITE 101
DRAPED, UT 84020
CONTACT: RUSSELL N. EMERY, P.E.
PHONE: (801) 990-1775

SITE ACQUISITION:
KAREN LIENERT
landmarkconsulting@sbcglobal.net
PHONE: 916-834-0834

CONSTRUCTION MANAGER:
EPIC WIRELESS
ANDREW MEDINA
PHONE: 530-574-4773

M SQUARED WIRELESS:
1387 CALLE AVANZADO
SAN CLEMENTE, CA 92673
CONTACT: MICHAEL MONTELLO
PHONE: (949) 391-6824
www.msquaredwireless.com

RF ENGINEER:
AT&T MOBILITY
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583
CONTACT: ASAD SHAHBAZ
ms455v@att.com

PRE-FABRICATED SHELTER:
CELLXION, LLC
A DIVISION OF SABRE INDUSTRIES
5031 HAZEL JONES RD
BOSSIER CITY, LA 71111
PHONE: (318) 213-2900

CIVIL VENDOR:
QUALTEK WIRELESS
MATTHEW VIGIL
PHONE: (714) 742-7387
EMAIL: mvigil@qualtekwireless.com

SHEET INDEX

		REV
T-1	TITLE SHEET	D
GN-1	GENERAL NOTES	C
GN-2	GENERAL NOTES	D
GN-3	GENERAL NOTES	C
C-1	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)	C
C-2	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)	C
A-0	SITE PLAN	D
A-1	ENLARGED SITE PLAN	D
A-1.1	ENLARGED LEASE AREA	D
A-2	EQUIPMENT PLAN	D
A-3	ANTENNA PLAN AND SCHEDULE	D
A-4	EXISTING ELEVATION	C
A-5	PROPOSED ELEVATIONS	D
A-6	PROPOSED ELEVATIONS	D
D-1	DETAILS	D
D-2	DETAILS	D
D-3	DETAILS	C
E-1	UTILITY ROUTE PLAN	B
E-2	ELECTRICAL & GROUNDING DETAILS	B

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- CALIFORNIA ADMINISTRATIVE CODE (INCL TITLE 24 & 25)
- 2019 CALIFORNIA BUILDING CODE (CBC)
- CITY/COUNTY ORDINANCES
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2019 CALIFORNIA FIRE CODE (CFC)
- 2019 CALIFORNIA BUILDING CODE (2015 IBC)
- 2019 CALIFORNIA RESIDENTIAL CODE (CRC)
- 2019 CALIFORNIA ELECTRICAL CODE
- 2019 CALIFORNIA MECHANICAL CODE (CMC)
- 2019 CALIFORNIA PLUMBING CODE (CPC)
- 2019 CALIFORNIA ENERGY CODE
- 2019 CALIFORNIA GREEN BUILDING CODE

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

AT&T RF ENGINEER: _____ DATE: _____

AT&T OPERATIONS: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

CONSTRUCTION MANAGER: _____ DATE: _____

PROPERTY OWNER: _____ DATE: _____

ZONING: _____ DATE: _____

PROJECT MANAGER: _____ DATE: _____

VICINITY MAP

DIRECTIONS

DIRECTIONS FROM AT&T OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA:

1. HEAD NORTHEAST TOWARD SUNSET DR
2. TURN RIGHT
3. TURN RIGHT TOWARD SUNSET DR
4. TURN LEFT TOWARD SUNSET DR
5. CONTINUE ONTO SUNSET DR
6. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD
7. USE THE RIGHT 2 LANES TO MERGE ONTO I-680 N VIA THE RAMP TO SACRAMENTO
8. MERGE ONTO I-680 N
9. KEEP LEFT AT THE FORK TO STAY ON I-680 N
10. KEEP LEFT AT THE FORK TO CONTINUE ON I-680
11. USE THE RIGHT 2 LANES TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO
12. MERGE ONTO I-80 E
13. KEEP LEFT TO CONTINUE ON I-80BL E/US-50 E/CAPITAL CITY FREEWAY, FOLLOW SIGNS FOR SACRAMENTO/SOUTH LAKE TAHOE
14. CONTINUE ONTO US-50 E
15. TAKE EXIT 41 FOR GREENSTONE RD
16. TURN RIGHT ONTO GREENSTONE RD
17. TURN RIGHT ONTO GREEN VALLEY RD

SPECIAL INSPECTIONS

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE SCALED TO FULL SIZE AT 22"x34" AND HALF SIZE AT 11"x17". CONTRACTOR SHALLVERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONFITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE MAY 26, 2022
BY KAREN L. GARNER/DS
EXECUTIVE SECRETARY

CUP-R21-0049

DIGALERT
Call Toll Free
1-800-422-4133
2 Working Days Before You Dig
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

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	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

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 LAT&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.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. 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 SHOWN 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
8. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. 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.
10. 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.
11. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
12. 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.
13. 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.
14. 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 CONSTRUCTION.
15. SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
16. 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.
17. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
18. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
20. 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.
21. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2–A OT 2–A:10–B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
22. 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.
23. ALL EXISTING INACTIVE SEWER, 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.
24. 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.
25. 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.
26. 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.
27. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 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.
28. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
29. 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.
30. SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS–BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
31. SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
32. 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).
33. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
34. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE NEW .
35. 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.
36. 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.
37. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
38. 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.
39. NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
40. ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
41. NO NOISE, SMOKE, DUST, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF THIS SITE HAS A GENERATOR)
42. NO ADDITIONAL PARKING TO BE NEW . EXISTING ACCESS AND PARKING TO REMAIN, UNLESS NOTED OTHERWISE.
43. 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. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
10. 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.
11. 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.
12. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY AT&T.
13. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
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 IECE.
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–6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE 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 TELECOMM".
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", "I") WITH 1" HIGH LETTERS.
3. ALL HARDWARE 18–8 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 LOOSE, 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 EARTH, 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 COMPACTED 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.
7. 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.
8. NEW LY GRADED SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR–3401 AS MANUFACTURED BY "CONSTRUCTION MATERIAL 1–800–238–3841" OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE 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.
9. IN ALL AREAS TO RECEIVE FILL, REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.
10. 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.
11. 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.
12. 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.
13. 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 COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.
14. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING 'MATTS' 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.
15. 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.
16. 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
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 301-5824

AT&T SITE NO:	CVL03123
PROJECT NO:	13787833
DRAWN BY:	SD
CHECKED BY:	MM

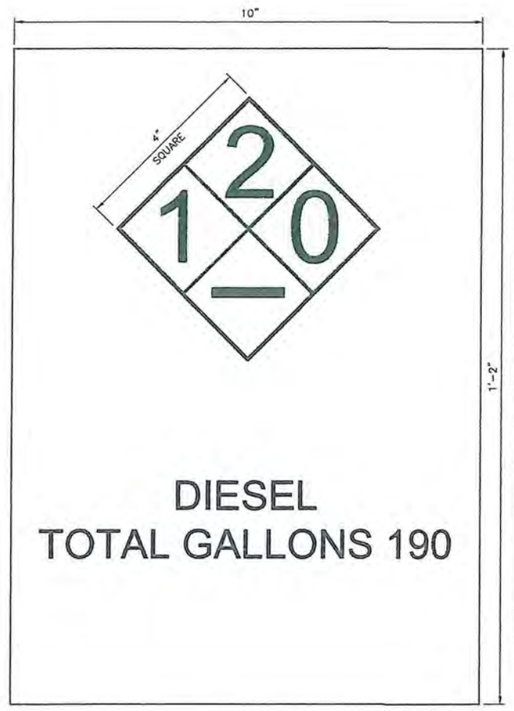
REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV–RFDS/RLS	WD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/05/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

REQUIRED BATTERY NFPA SIGNAGE

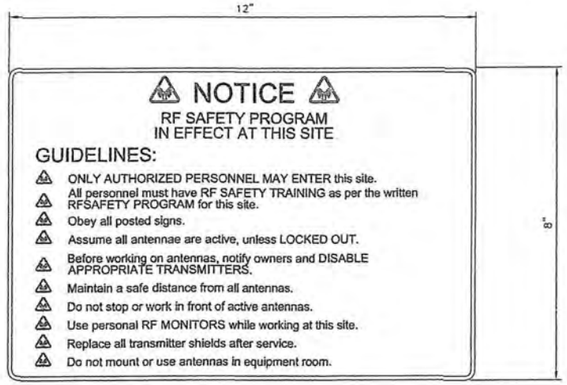


NFPA SIGNAGE

SITE IDENTIFICATION SIGNAGE

24"x36" SCALE: NTS
11"x17" SCALE: NTS

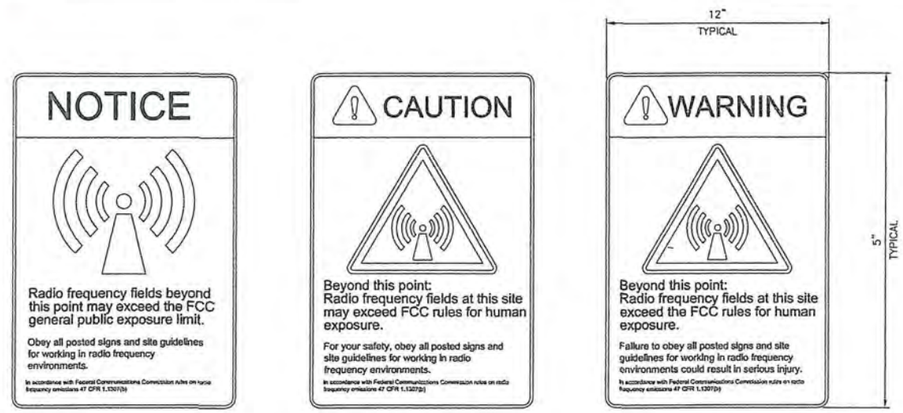
4



RF SIGNAGE

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1



PROP 65

24"x36" SCALE: NTS
11"x17" SCALE: NTS

5

NO TRESPASSING SIGNAGE

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1397 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-5224

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	MD
C	04/28/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

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

1.2 INSPECTION AND TESTING:
A. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTORS INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR.
B. 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:
A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
B. 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.
C. KEEP SITE FREE OF ALL PONDING WATER.
D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
E. 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.
F. 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

2.1 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.
2.2 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.
2.3 POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR II) 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.
2.4 SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850–95, FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED.
2.5 GRANULAR BEDDING AND TRENCH BACKFILL: WELL–GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW–SM).
2.6 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940.
2.7 UNSUITABLE 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 PT, MH, CH, OH, ML, AND OL.
2.8 GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUAL.
2.9 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, FOIL 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:

A. 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.
B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
C. 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.

1. 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.
2. 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.
3. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.

D. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
E. 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.
F. 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:
A. 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.
1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
2. 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.
3. 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.

B. 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:

A. 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.

B. 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:
A. 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.
B. 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.
C. AFTER PREPARATION OF THE SUBGRADE IS COMPLETE THE GEOTEXTILE FABRIC (MIRAFI 500XI) 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.
1. 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.
2. 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.
3. 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.

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

3.7 ASPHALT PAVING ROAD:
A. DIVISION 600 – KDOT FLEXIBLE PAVEMENT. (UPDATE PER LOCAL DOT)
B. SECTION 403 – MODOT ASPHALT CONCRETE PAVEMENT.

ENVIRONMENTAL NOTES

1. 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.
2. 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.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. 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.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
6. 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.
7. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
8. 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.
9. 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

1. MIX DESIGN REQUIREMENTS: (UNLESS NOTED OTHERWISE)
   A. CEMENT SHALL CONFORM TO ASTM C–150, TYPE II
   B. COMPRESSIVE STRENGTH = 4,000 PSI
   C. CONCRETE SLUMP SHALL BE 3"+/–1" FOR SLABS AND 4"+/–1" FOR ALL OTHER WORK
   D. WATER CEMENT RATIO = 0.46 MAX
2. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C–33 (1" MAXIMUM SIZE), AND ASTM C–330 FOR STRUCTURAL LIGHT WEIGHT CONCRETE.
3. WHERE CONCRETE WILL BE IN CONTACT WITH NATIVE OR IMPORTED SOIL WHICH HAS A VERY SEVERE SULFATE CONTENT, POZZOLAN SHALL BE ADDED AS REQUIRED.
4. 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.
5. WATER SHALL BE POTABLE OR CLEAN, FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIS OR ORGANIC MATERIALS, OILS, AND SALTS.
6. READY–MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C–94.
7. 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.
8. FLOOR SLABS SHALL BE LEVEL OR TRUE SLOPES AS SHOWN ON DRAWINGS. TOLERANCE: 1/8 INCH IN 10 FEET
9. PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.
10. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
11. ALL EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE.
12. FORMWORK SHALL REMAIN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.
13. PROVIDE CONCRETE SLABS OVER A 10 MIL POLYETHYLENE VAPOR BARRIER OVER 4" OF POROUS FILL UNLESS NOTED OTHERWISE.
14. ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR MATERIAL. POROUS FILL SHALL BE COMPACTED TO 90% MAX. DRY DENSITY.
15. 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 – W1.4XW1.4 WWF UNLESS OTHERWISE NOTED.
16. 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.
17. ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL.
18. 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.
19. 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 LARGE	15'–0"

REINFORCING STEEL NOTES

1. 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.
2. REINFORCING STEEL SPLICE/DEVELOPMENT LENGTHS SHALL CONFORM TO THE FOLLOWING MINIMUM LENGTHS UNLESS NOTED OTHERWISE: SPLICED BARS SHALL BE WIRED TOGETHER.

SPLICE/DEVELOPMENT LENGTH (INCHES)		
BAR SIZE	TOP BAR	OTHER BAR
#3	28	22
#4	37	29
#5	47	36
#6	56	43
#7	81	63
#8	93	72
#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 DEVELOP LENGTH. COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS. LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2"

3. 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"

4. BARS SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.
5. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO INSPECTIONS, PLACING CONCRETE, OR GROUTING MASONRY.
6. 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.
7. 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.
8. SPLICE ALL BARS IN MASONRY WITH A MINIMUM OF 48 BAR DIAMETER LAPS (2'–0" MINIMUM).
9. 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
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC

M SQUARED WIRELESS
1357 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 361-3824

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	MD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3

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. 88 DATUM. ABOVE MEAN SEA LEVEL.

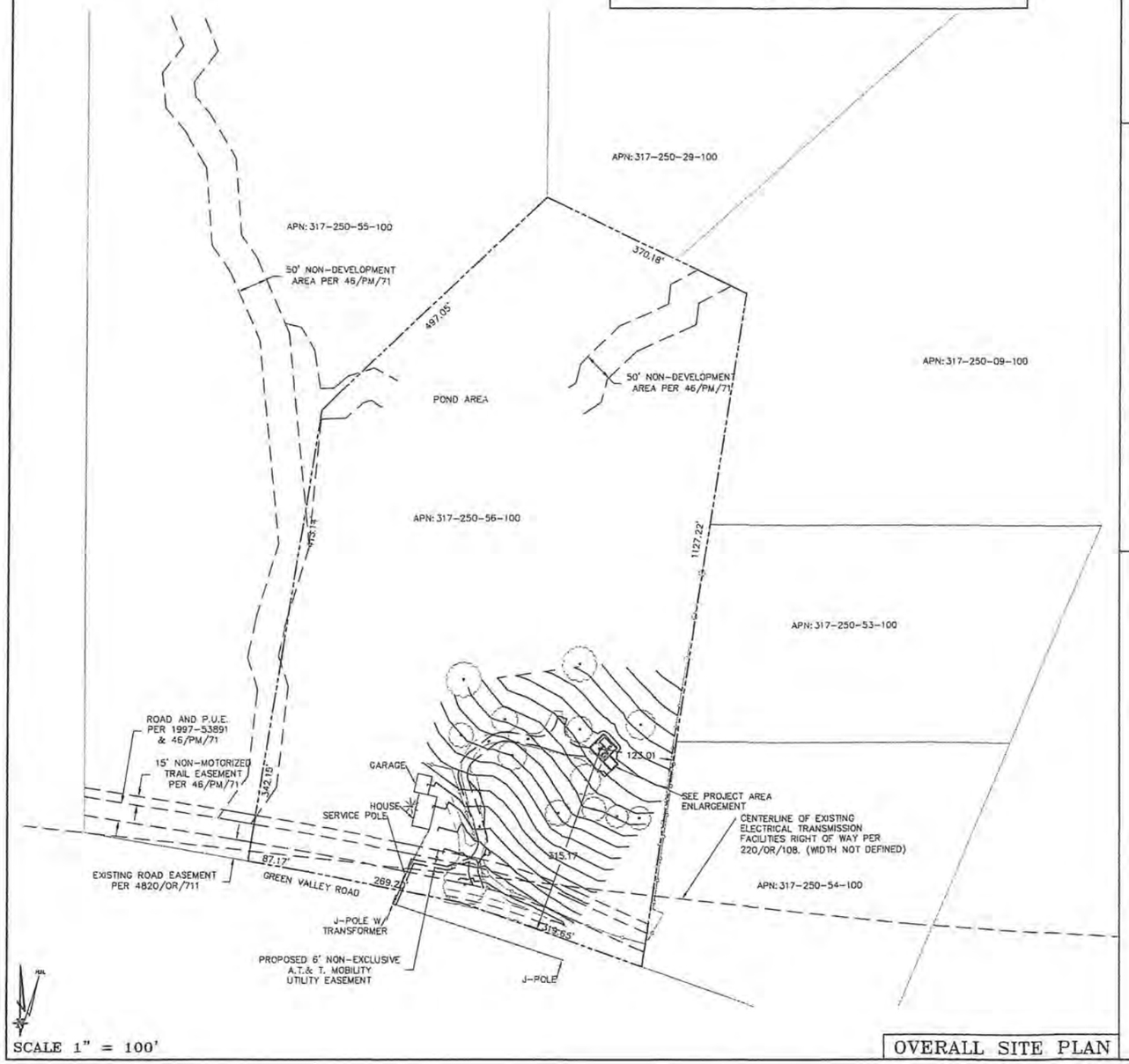
N.G.V.D. 1929 CORRECTION: SUBTRACT 2.69' FROM ELEVATIONS SHOWN.

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



SCALE 1" = 100'

OVERALL SITE PLAN

Geil 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.

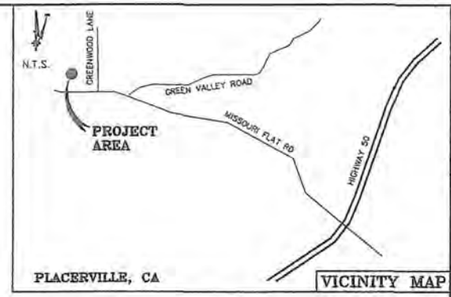
Type of Antenna Mount: Existing Monopine Tower

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



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:

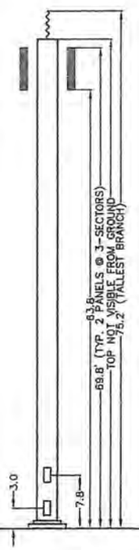
Commencing at a 3/4" Iron Pipe Stamped LS3864 set at the Northwest corner of Tract 1 as is shown on that certain Record of Survey filed for record at Book 17 of Surveys at Page 99, Official Records, from which a similar monument stamped RCE14747 set at the Southwest corner of the above referenced Tract 1 bears South 08°44'17" West 383.14 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°56'545" 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 42.68 feet; thence through a curve to the left having a radius of 37.50 feet, the chord of which bears South 75°40'16" West 29.74 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 16.6 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.



TOWER DIAGRAM

DEPT.	APPROVED	DATE
AMC		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor
GEIL ENGINEERING
ENGINEERING * SURVEYING * PLANNING
1226 HIGH STREET
AUBURN, CALIFORNIA 95603
phone: (530) 885-0426
Fax: (530) 823-1309

at&t MOBILITY

CVL03123
DRY CREEK JONESVILLE

6521 GREEN VALLEY ROAD
PLACERVILLE, CA 95667
PLOT PLAN AND
SITE TOPOGRAPHY

REVISIONS		
REV	12-19-18 N. ROHDE	PRELIMINARY DRAWING
REV	05-30-19 N. ROHDE	LEASE AREA PLACED
REV	03-24-21 N. ROHDE	LEASE AREA MOD.
REV		
REV		
REV		

Sheet
C-1

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.

38"OAK TOP=1599.6'
24"OAK
SPLIT 18"OAK TOP=1562.7'
COMMUNICATION BOX
15"OAK
ASPHALT
ELEC. BOX
END ASPHALT PAVEMENT
30"OAK TOR=1552.1'
(P) TURN-AROUND
GRAVEL
(E) VERIZON WIRELESS 32' X 32' LEASE AREA
APPLETON/ELEC. CABINET
TELCO. CABINET
VERIZON WIRELESS SHELTER
ELEC. CABINET TRANSFORMER
24"OAK TOP=1574.9'
18"&24"OAK TOP=1589.2'
APN: 317-250-53-100
GATE
AC
MONOPINE TOWER LOCATION SEE TOWER DIAGRAM
(P) 15' NON-EXCLUSIVE A.T.& T. MOBILITY ACCESS & UTILITY EASEMENT
20.00
15.00
PROPOSED A.T.& T. MOBILITY LEASE AREA
24"OAK TOP=1575.5'
(P) 15' NON-EXCLUSIVE A.T.& T. MOBILITY ACCESS & UTILITY EASEMENT
GARAGE
FENCELINE
ASPHALT
PINE TOP=1545.8'
HOUSE TOP=1499.5'
(P) 10' WIDE BY 30' LONG TURNOUT W/ 25' MINIMUM TAPERS
15"OAK TOP=1558.4'
15"OAK TOP=1547.4'
18"OAK
15"OAK
PAVED DRIVEWAY
COMMUNICATION BOX
FENCELINE
PROPERTY BOUNDARY
FENCELINE
OVERHEAD UTILITIES
(P) 6' NON-EXCLUSIVE A.T.& T. MOBILITY UTILITY EASEMENT
TRANSFORMER
ELEC. METER
ELEC. BOX
CENTERLINE OF EXISTING ELECTRICAL TRANSMISSION FACILITIES RIGHT OF WAY PER 220/OR/108. (WIDTH NOT DEFINED)
APN: 317-250-56-100
APN: 317-250-54-100
SERVICE POLE
GATE
36"OAK
15' NON-MOTORIZED TRAIL EASEMENT PER 46/PM/71
POLE W/ TRANSFORMER

SCALE 1" = 20'
0 10 20 40 60

PROJECT AREA ENLARGEMENT

DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\VA		
OPS		
EE\OUT		

Surveyor
GEIL ENGINEERING
ENGINEERING • ECONOMICS • PLANNING
1520 HIGH STREET
AUBURN, CALIFORNIA 95603
Phone: (530) 885-1656
Fax: (530) 885-1883

Architect

at&t MOBILITY

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

Sheet
C-2

NOTES:

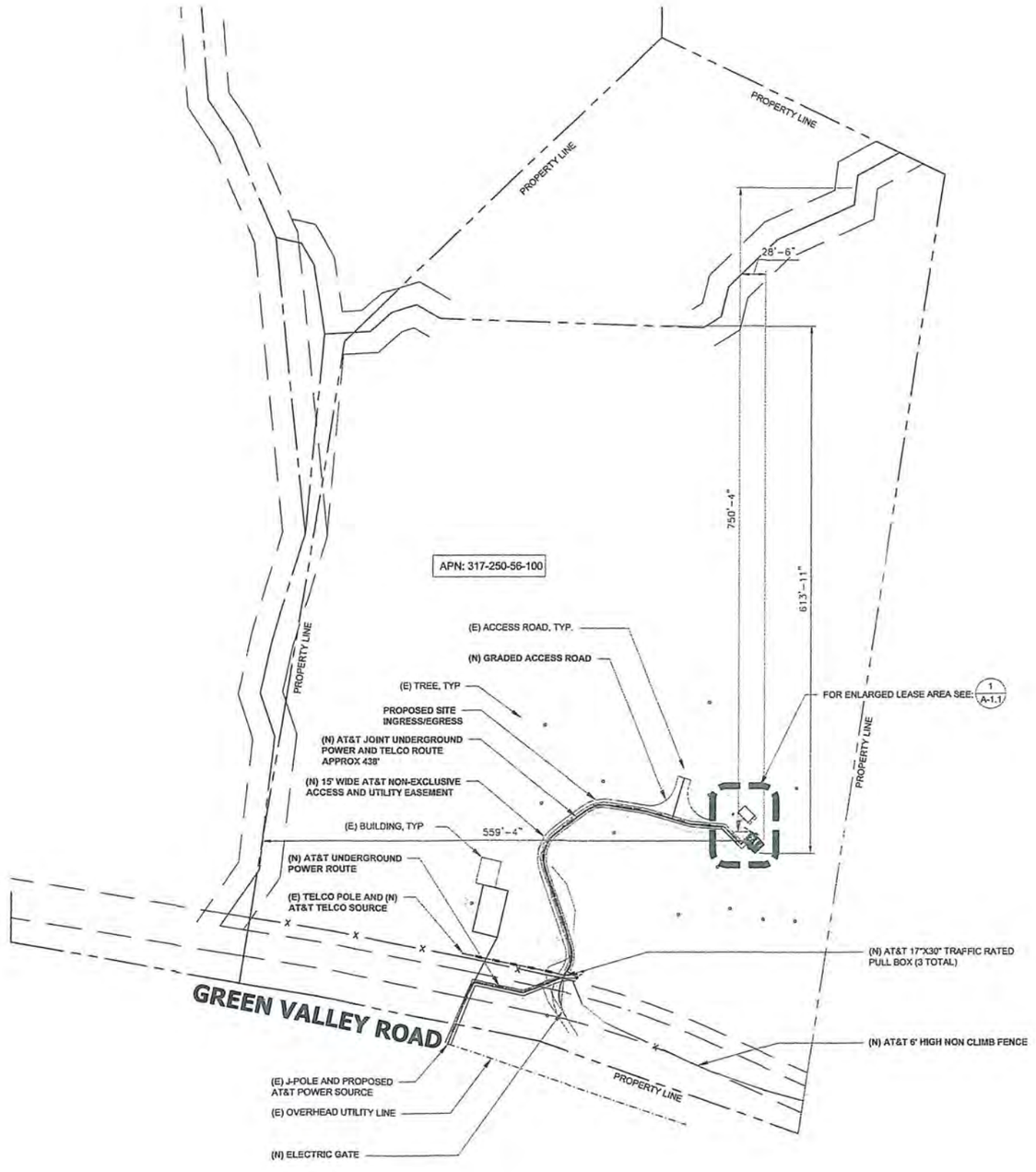
1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED 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 WEBPAGE 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.

DIGALERT
Call Toll Free
1-800-422-4133
2 Working Days Before You Dig
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

LEGEND

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



N
W E
S

SITE PLAN

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

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC

M SQUARED WIRELESS
1337 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-5824

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	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/06/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
SITE PLAN

SHEET NUMBER
A-0

NOTES:

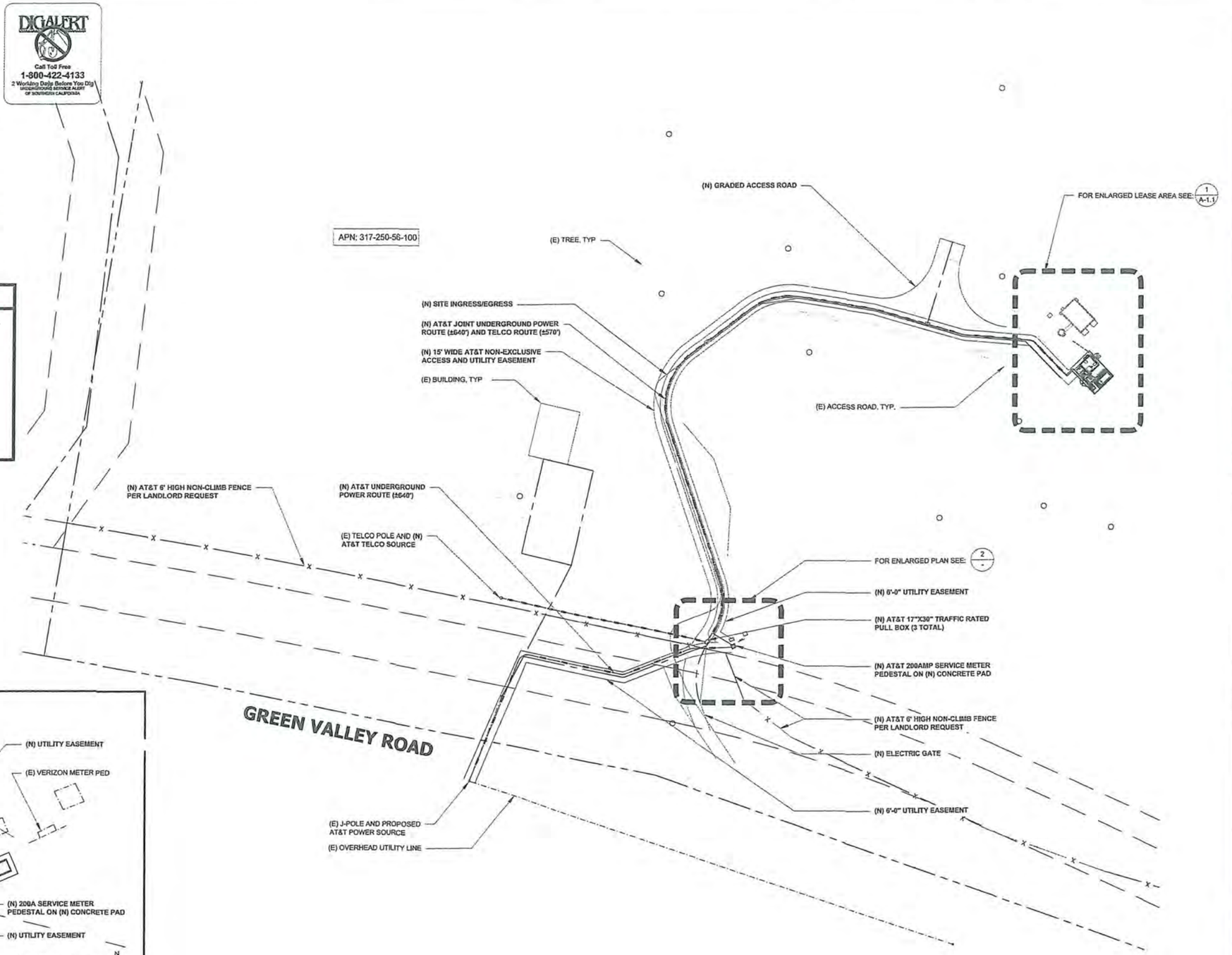
1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED 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

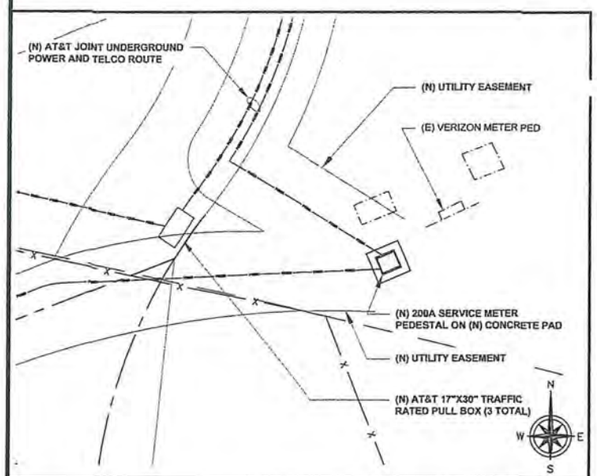
DISCLAIMER:
THIS SET OF DRAWINGS WAS PREPARED UTILIZING INFORMATION OBTAINED FROM PUBLIC DOCUMENTS MADE AVAILABLE ON THE JURISDICTIONS WEBSITE. M SQUARED WIRELESS CANNOT GUARANTEE THE ACCURACY OF THE DATA AND INFORMATION DEPICTED ON THE JURISDICTIONS WEBPAGE AND HEREBY EXPRESSLY DISCLAIMS ANY RESPONSIBILITY 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.

DIGALERT
Call Toll Free
1-800-422-4133
2 Working Days Before You Dig
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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"
4' 2' 0" 4'

2 **ENLARGED SITE PLAN**

24"x36" SCALE: 1" = 30'-0"
11"x17" SCALE: 1" = 60'-0"
30' 15' 0" 30'

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-0824

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	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/05/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-1

NOTES:

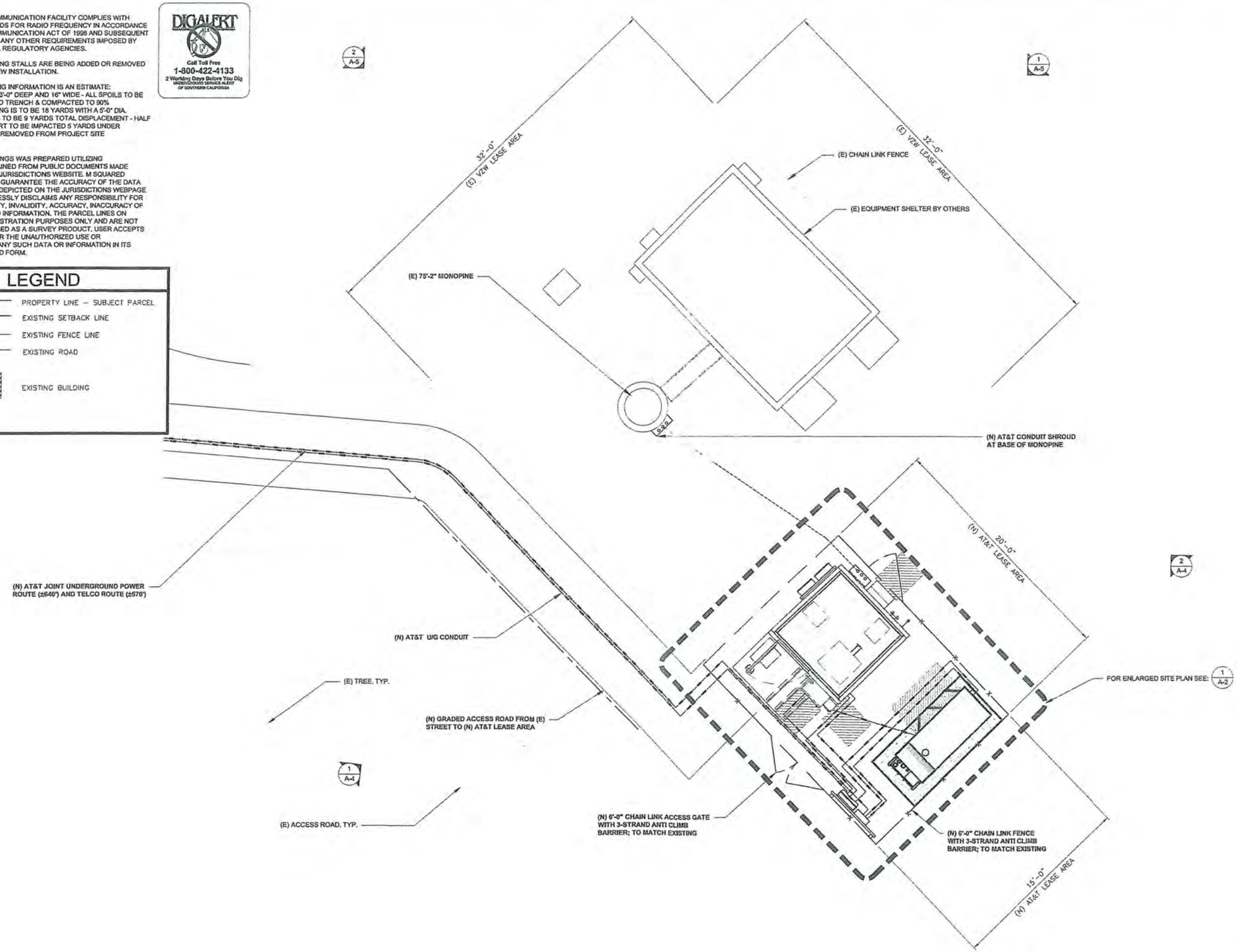
1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED 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 WEBPAGE 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.

DIGALERT
Call Toll Free
1-800-422-4133
2 Working Days Before You Dig
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

LEGEND

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



ENLARGED LEASE AREA

24"x36" SCALE: 1" = 40'-0"
11"x17" SCALE: 1" = 80'-0"
40' 20' 0' 40'

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-0624

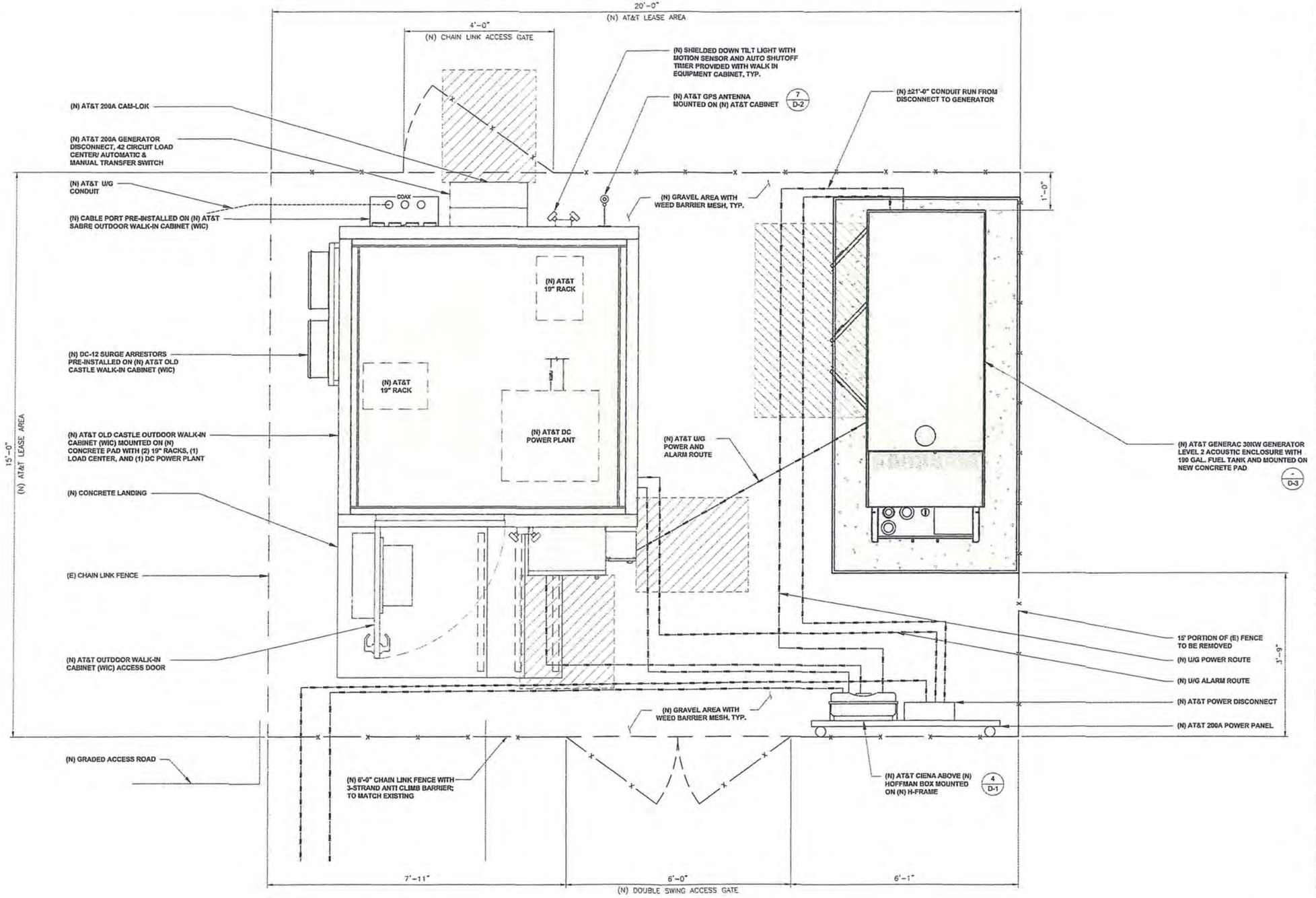
AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

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

LICENSOR:

SHEET TITLE
ENLARGED LEASE AREA

SHEET NUMBER
A-1.1



EQUIPMENT PLAN

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

1' 6" 0" 1'

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1337 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 351-8824

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	MD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
EQUIPMENT PLAN

SHEET NUMBER
A-2

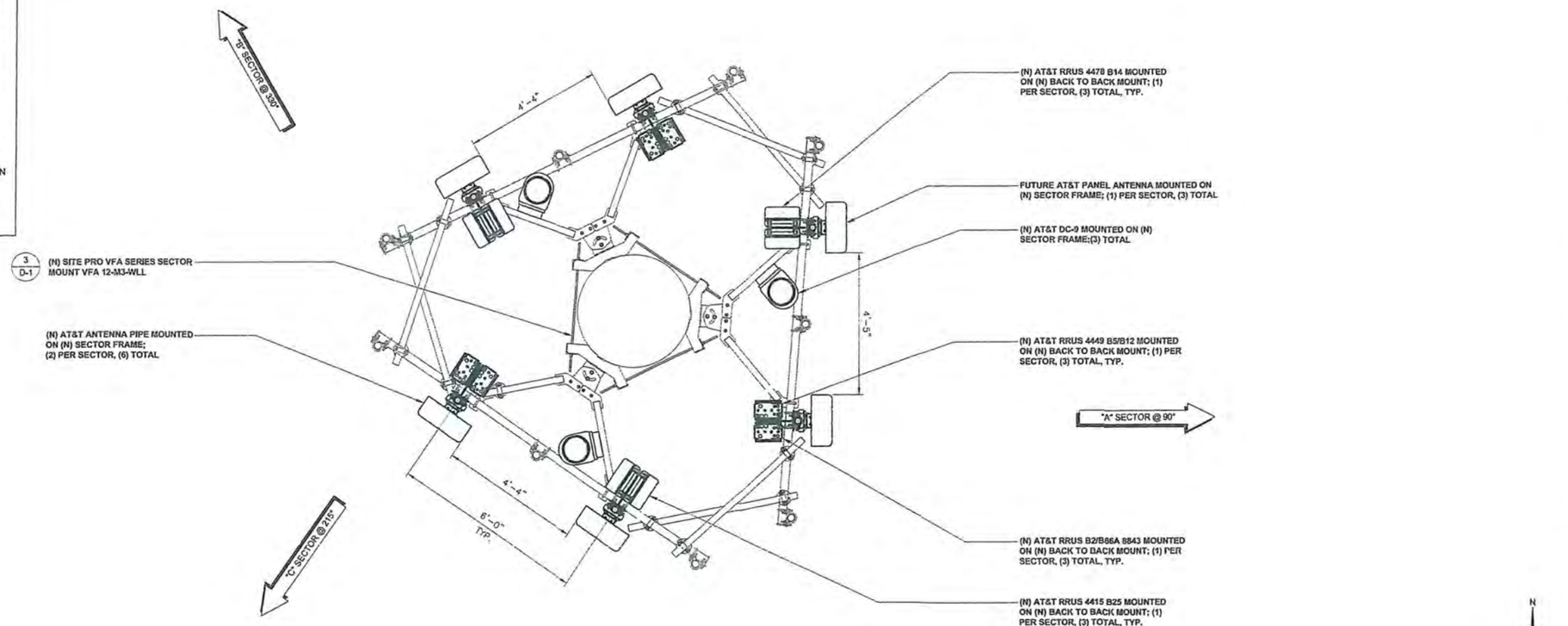
		NEW OPTIMAL ANTENNA AND TRANSMISSION CABLES REQUIREMENT (VERIFY WITH CURRENT RFDS)						NEW REMOTE RADIO UNITS, TOWER MOUNTED AMPLIFIERS AND ANTENNA FILTERS (VERIFY WITH CURRENT RFDS)					
	ANTENNA	NEW TECHNOLOGY	ANTENNA MODEL	ANTENNA AZIMUTH	RAD CENTER	TRANSMISSION LINE		RRUS MODEL	RRUS COUNT	TMA, ANTENNA FILTER, & SURGE SUPRESSOR	TMA/ FILTER/ SURGE COUNT	#DC FEEDS	DATE:03/23/2021
						LENGTH	TYPE						
ALPHA SECTOR	A1	LTE 700/850/1900	ANDREW (COMMSCOPE) NNH4-65B-R6H4 (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) NNH4-65B-R6H4 (6'-0")	90°	67'-0"	±90'	FIBER	RRUS B14 4478, RRUS B25 4415	2	-	-	2	
BETA SECTOR	B1	LTE 700/850/1900	ANDREW (COMMSCOPE) NNH4-65B-R6H4 (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) NNH4-65B-R6H4 (6'-0")	330°	67'-0"	±90'	FIBER	RRUS B14 4478, RRUS B25 4415	2	-	-	2	
GAMMA SECTOR	C1	LTE 700/850/1900	ANDREW (COMMSCOPE) NNH4-65B-R6H4 (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) NNH4-65B-R6H4 (6'-0")	245°	67'-0"	±90'	FIBER	RRUS B14 4478, RRUS B25 4415	2	-	-	2	
									12 TOTAL		3 TOTAL	18 TOTAL	RFDS - REV 3.00

ANTENNA & TOWER MOUNTED EQUIPMENT SCHEDULE

2

NOTES TO CONTRACTOR:

1. 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.
2. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION
3. CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION DURING SITE-WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK
4. CONTRACTOR TO VERIFY PORTS HAVE SUFFICIENT ROOM



NEW ANTENNA PLAN

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

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Engineering & Wireless Realty

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-5824

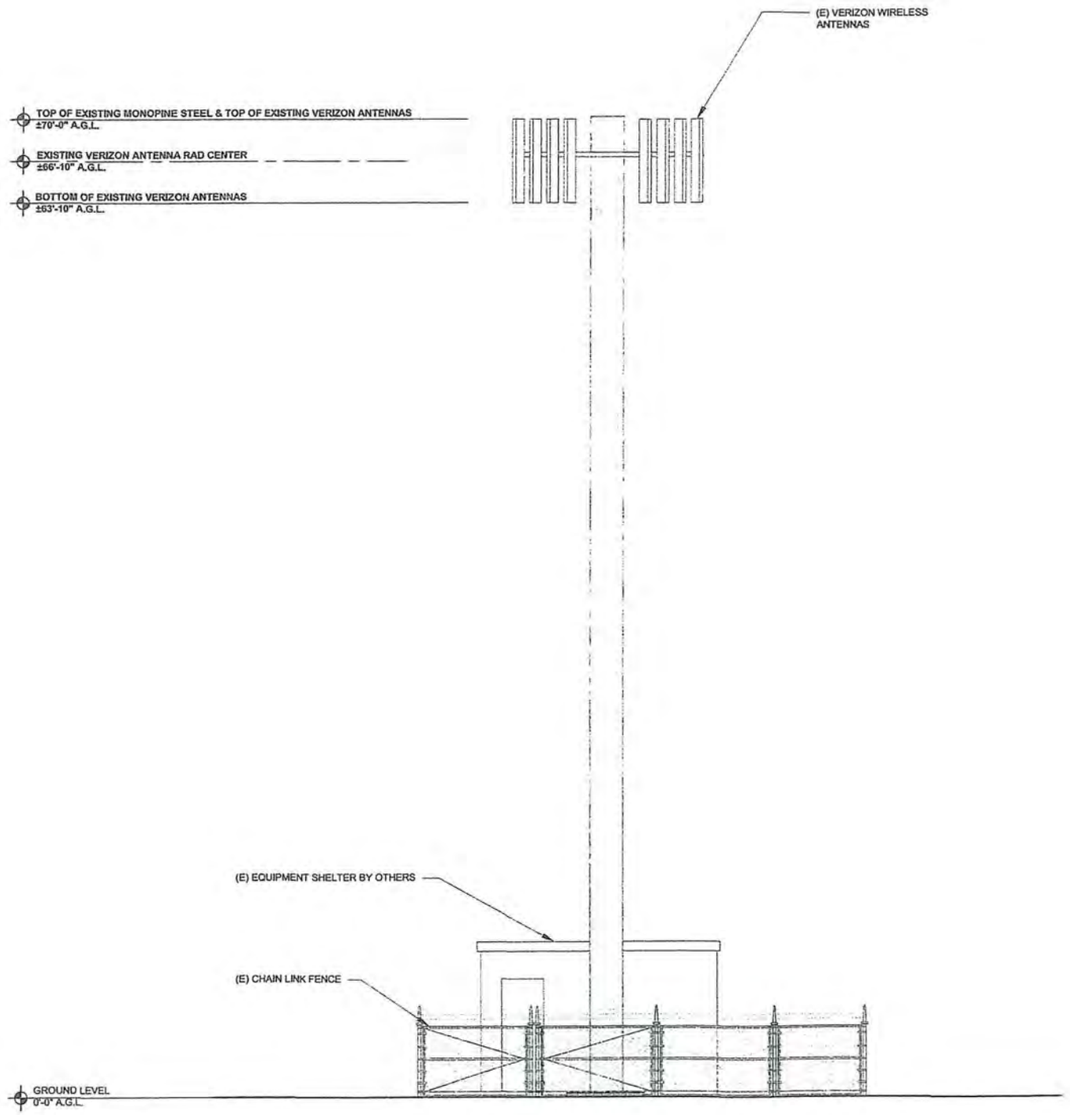
AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV-RFDS/RLS	WD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
ANTENNA PLAN & SCHEDULE

SHEET NUMBER
A-3



EXISTING SOUTHWEST ELEVATION

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

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-5824

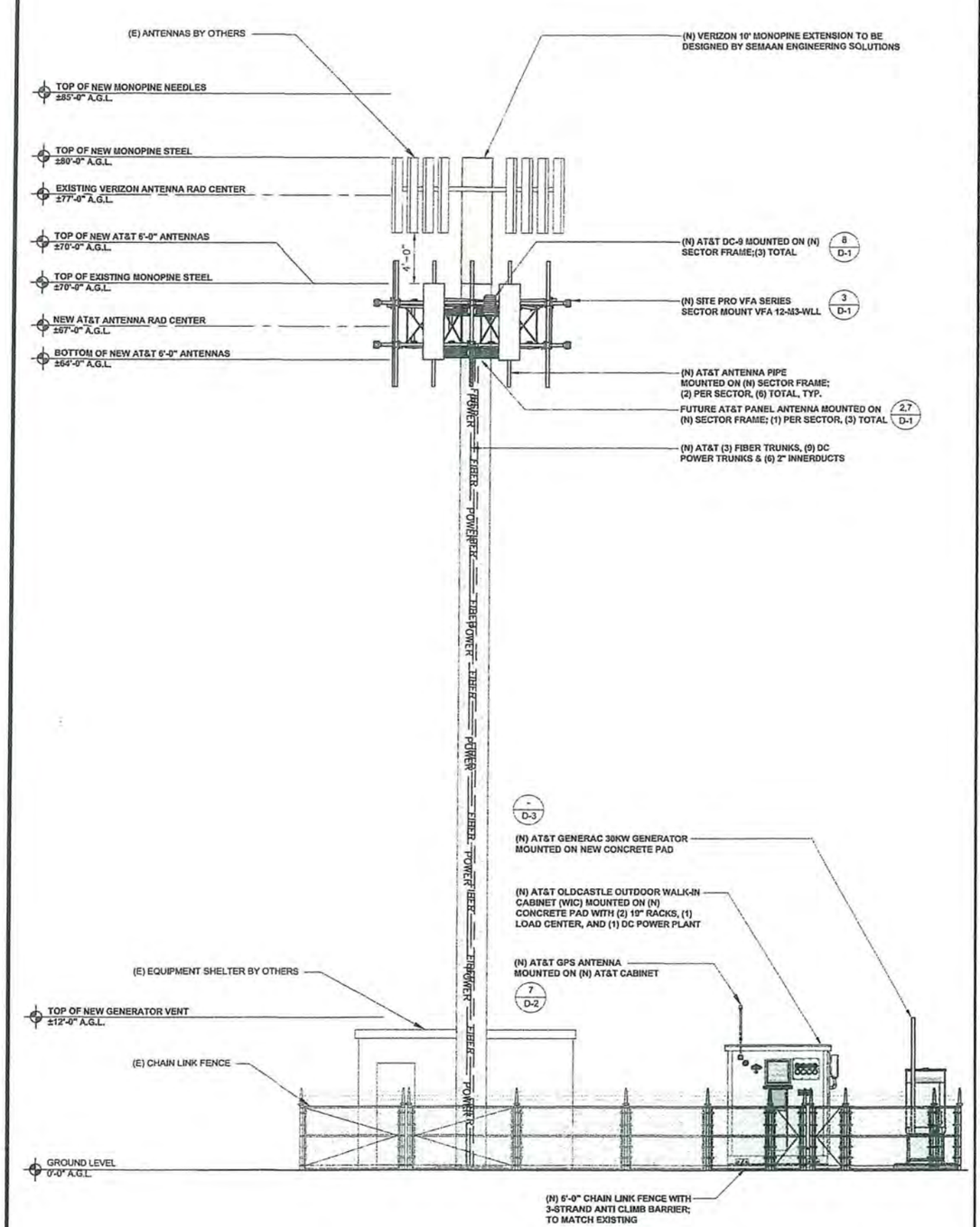
AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV-RFDS/RLS	WD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
EXISTING ELEVATION

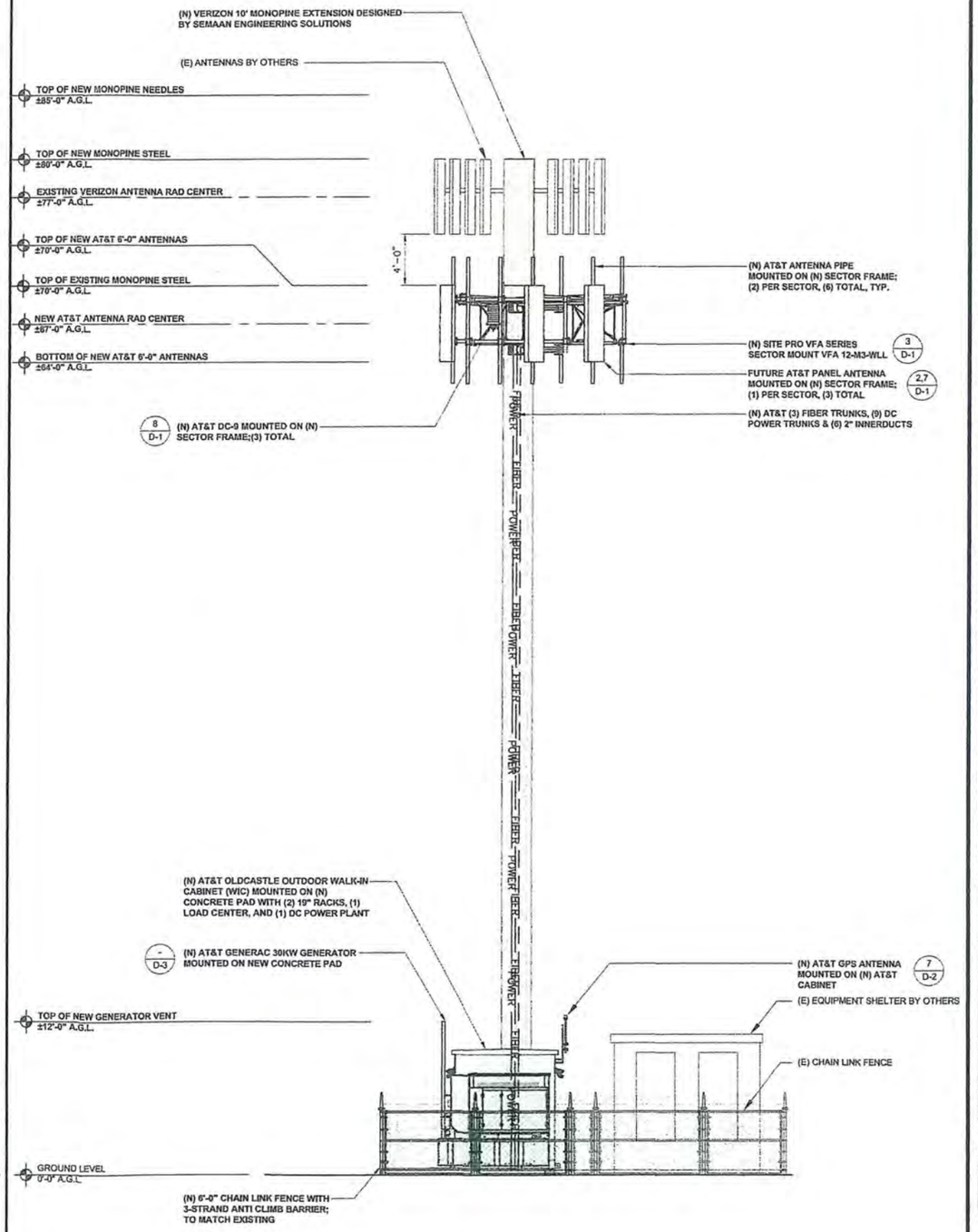
SHEET NUMBER
A-4



PROPOSED SOUTHWEST ELEVATION

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

1



PROPOSED SOUTHEAST ELEVATION

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

2

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

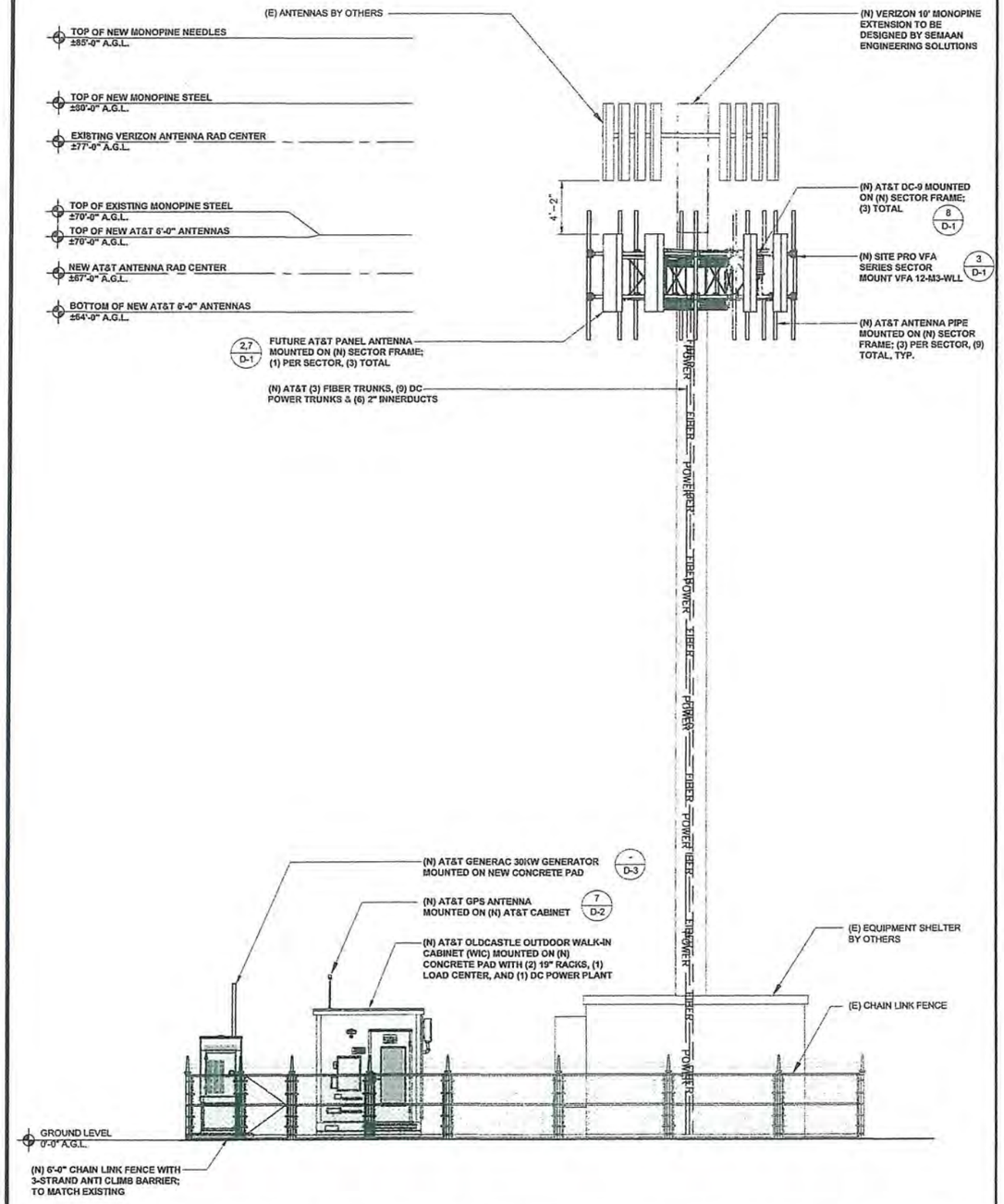
AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

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

LICENSOR:

SHEET TITLE
PROPOSED ELEVATIONS

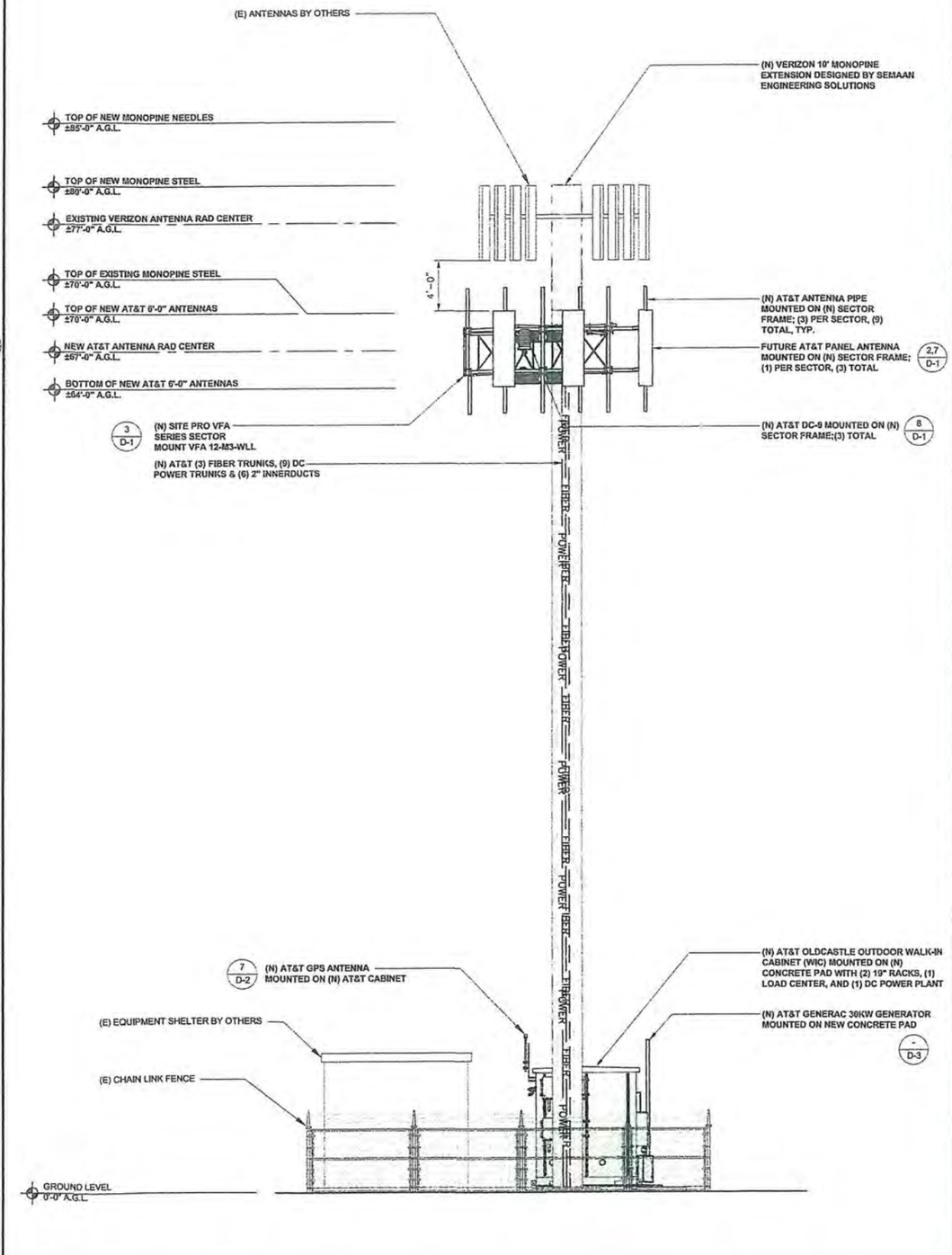
SHEET NUMBER
A-5



PROPOSED NORTHEAST ELEVATION

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

1



PROPOSED NORTHWEST ELEVATION

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

2

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-5524

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	MD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/06/2021	90% ZDs FOR REVIEW	SD

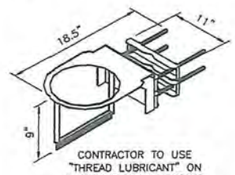
LICENSOR:

SHEET TITLE
PROPOSED ELEVATIONS

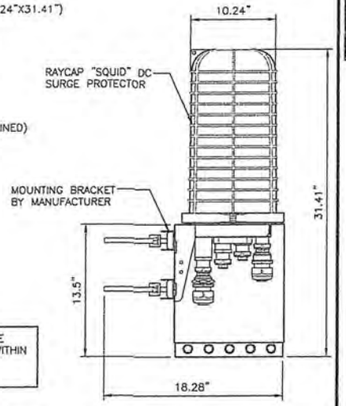
SHEET NUMBER
A-6

RAYCAP DC9-48-60-24-8C-EV

DIMENSIONS, WXDXH:	260X798MM (10.24"X31.41")
NOMINAL OPERATING VOLTAGE:	60 VDC
NOMINAL DISCHARGE CURRENT:	20 KA 8/20MS
MAXIMUM CONTINUOUS OPERATING VOLTAGE:	60 VDC
VOLTAGE PROTECTION RATING:	330 V
WIND LOADING:	150 MPH (SUSTAINED) 195 MPH (GUST)
TOTAL WEIGHT:	26.2 LBS



CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION



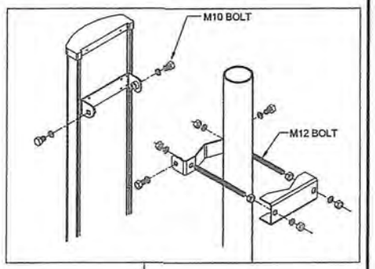
NOTE: TO BE INSTALLED WITHIN 10 FEET OF RADIO UNIT

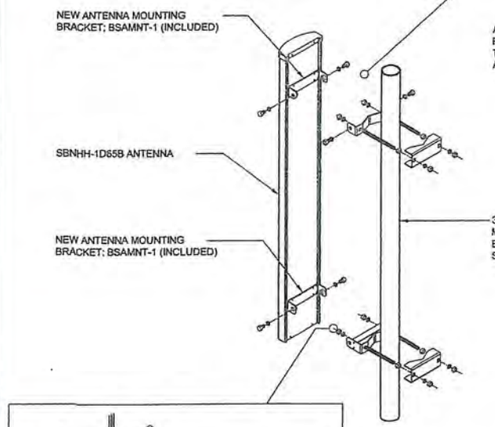
DC-9 "SQUID" SURGE SUPPRESSOR

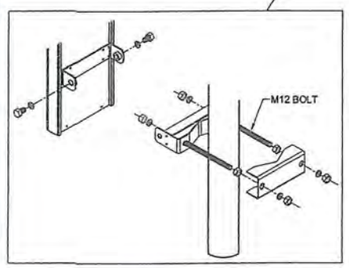
24"x36" SCALE: NTS
11"x17" SCALE: NTS

8

MAXIMUM TORQUE	
M8	15N.m (11FT.LBS)
M10	37N.m (27FT.LBS)
M12	58N.m (43FT.LBS)







MAXIMUM TORQUE	
M10	37N.m (27FT.LBS)
M12	58N.m (43FT.LBS)

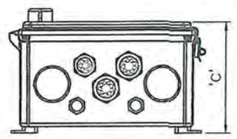
ANTENNA MOUNTING DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

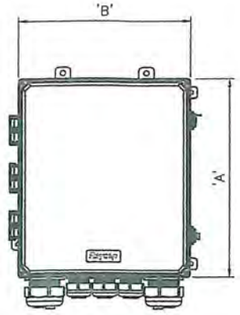
7

MANUFACTURER:	RAYCAP
MODEL NO.:	DC12-48-60-0-25E
DIMENSIONS:	
A	20.06"
B	18.17"
C	6.37"

TOTAL WEIGHT: 56.3 LBS



BOTTOM VIEW



FRONT VIEW

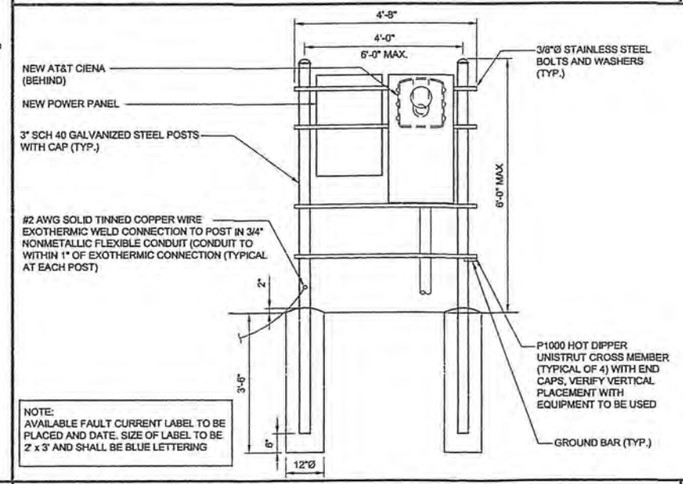
DC-12 SURGE SUPPRESSOR

24"x36" SCALE: NTS
11"x17" SCALE: NTS

6

NOT USED

5



NOTE:
AVAILABLE FAULT CURRENT LABEL TO BE PLACED AND DATE. SIZE OF LABEL TO BE 2' x 3' AND SHALL BE BLUE LETTERING

H-FRAME DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

4

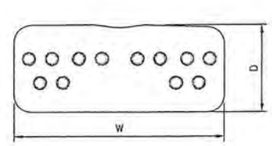
NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

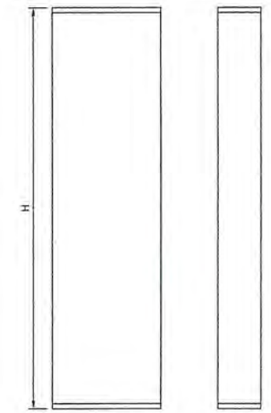
3

COMMSCOPE NNH4-65B-R6H4	
HEIGHT (H)	72.0"
WIDTH (W)	19.6"
DEPTH (D)	7.8"
WEIGHT	84.4 LBS.
SURVIVAL WIND SPEED: WIND LOADING, MAX: FRONT: SIDED: CONNECTOR: MOUNTING POLE:	150.0 MPH 694 N @ 150 km/h 235 N @ 150 km/h (12) 4.3-10 DIN FEMALE - BOTTOM 2.4 - 4.5 INCHES

FRONT OF ANTENNA



BOTTOM VIEW



FRONT VIEW

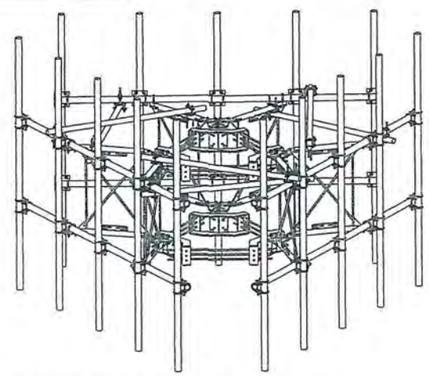
SIDE VIEW

COMMSCOPE 6' PANEL ANTENNA

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

MANUFACTURER:	SITE PRO1
MODEL NO.:	VFA12-A23-WLL
DESCRIPTION:	THREE SECTORS HEAVY WLL FRAME WITH FIVE MOUNTING PIPES. (12" TO 49" OD) 12'-0" FACE
WEIGHT:	±2099.58 LBS



SITE PRO VFA MOUNT

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1337 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6324

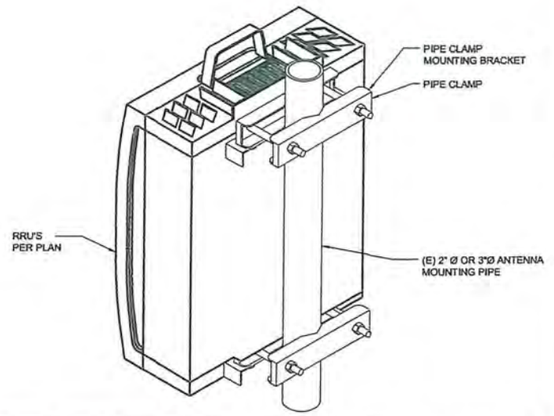
AT&T SITE NO:	CVL03123
PROJECT NO:	13787633
DRAWN BY:	SD
CHECKED BY:	MM

REV	DATE	DESCRIPTION	BY
D	07/21/2021	100% ZDs REV-RFDS/RLS	WD
C	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/08/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
DETAILS

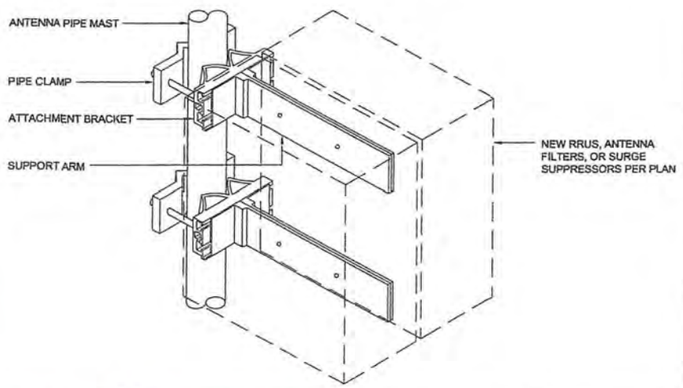
SHEET NUMBER
D-1



RRUS @ STD. PIPE MOUNT

24"x36" SCALE: NTS
11"x17" SCALE: NTS

9

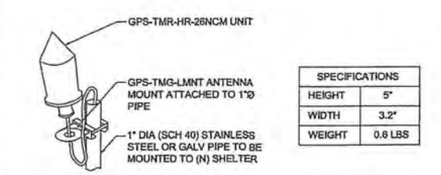


RRU BACK-TO-BACK MOUNT

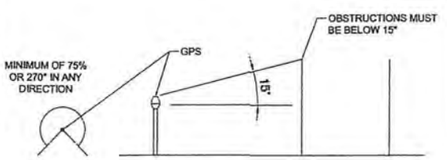
24"x36" SCALE: NTS
11"x17" SCALE: NTS

8

NOTE:
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.
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.
3. DO NOT SWEEP TEST GPS ANTENNA.



SPECIFICATIONS	
HEIGHT	5"
WIDTH	3.2"
WEIGHT	0.6 LBS



(N) GPS ANTENNA

24"x36" SCALE: NTS
11"x17" SCALE: NTS

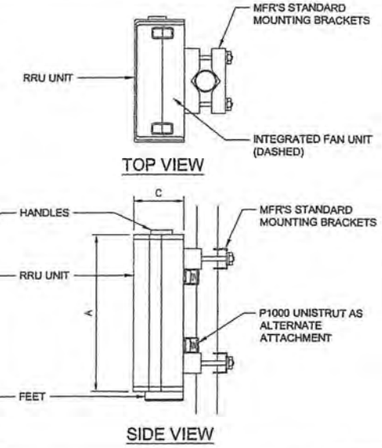
7

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

6

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 4478 B14
DIMENSIONS:	TOTAL WEIGHT :
A 16.5"	59.9 LBS (27.2 kg)
B 13.4"	
C 7.7"	

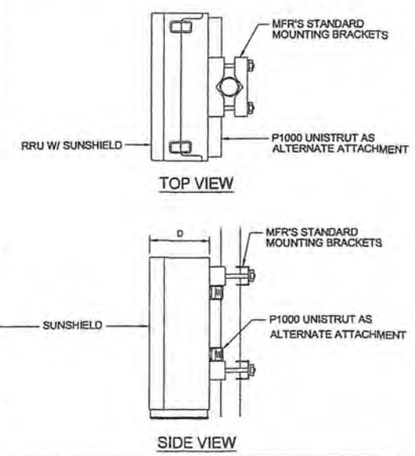


ERICSSON RRUS 4478 B14

24"x36" SCALE: NTS
11"x17" SCALE: NTS

5

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 4415 B25
DIMENSIONS:	TOTAL WEIGHT :
A 16.5"	46 LBS (21 kg)
B 13.4"	
C 5.9"	



RRUS 4415 B25

24"x36" SCALE: NTS
11"x17" SCALE: NTS

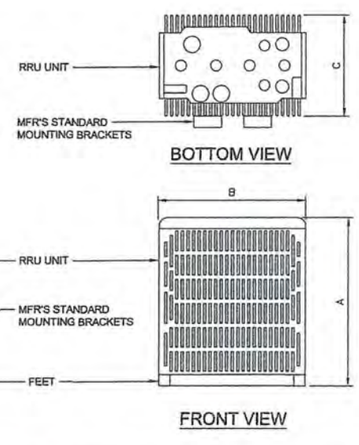
4

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 4449 B5/B12
DIMENSIONS:	TOTAL WEIGHT :
A 15"	70 LBS (31.7 kg)
B 13.2"	
C 9.3"	

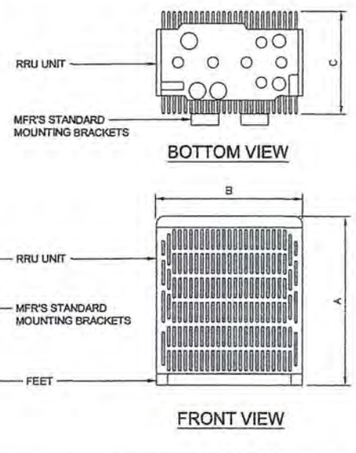


ERICSSON RRUS 4449 B5/B12

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 8843
DIMENSIONS:	TOTAL WEIGHT :
A 18"	75 LBS (34 kg)
B 13.2"	
C 11.3"	



ERICSSON RRU 8843

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Engineering a Wireless World

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-5824

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	04/26/2021	100% ZDs	MF
B	03/22/2021	100% ZDs	SD
A	02/06/2021	90% ZDs FOR REVIEW	SD

LICENSOR:

SHEET TITLE
DETAILS

SHEET NUMBER
D-2

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

GENERAC INDUSTRIAL

Standby Power Rating
30 kW, 38 kVA, 60 Hz

Prime Power Rating*
27 kW, 34 kVA, 60 Hz

Codes and Standards

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

- UL2200, UL508, UL489, UL142
- CSA C22.2
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, AB1
- ANSI C62.41

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.

SPEC SHEET

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

GENERAC INDUSTRIAL

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- 50/50 Ethylene Glycol Antifreeze
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Battery-Rated Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GENSURE™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearings
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3 Phase Only)
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

ENCLOSURE (If Selected)

- Hood Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air Intake Louvers
- Upward Facing Discharge Louvers (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- Fade Coat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested
- Engine Basin Alarm
- Fuel Level
- Check Valve in Supply and Return Lines
- Rhin-Coat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM

Digital H Control Panel- Dual 4x20 Display

Program Functions

- Programmable Quiet Modes
- 7 Day Programmable Exercise
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2 Wire Start Capability
- Date Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof Sealed Connectors

- Audible Alarms and Shutdowns
- Red in Auto or Manual Light
- Auto/Off/Manual Switch
- E-Stop Red Mushroom Type
- NFPA110 Level I and II Programmable
- Customizable Alarms, Warnings, and Events
- MenuNav™ Prokeys
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Protected Adjustment Protection
- Simple Print Control
- 16 Channel Remote Annunciator
- 0.2 second High Speed Data Recording
- Alarm Information Automatically Annunciated on the Display

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltages
- All Phase Currents

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shot and Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

SPEC SHEET

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

GENERAC INDUSTRIAL

ENGINE SYSTEM

- Oil Heater
- Oil and Starter (Open Set Only)
- Radiator Shroud Guard
- Level 1 Fan and Belt Guards (Open Set Only)

FUEL SYSTEM

- 125 Flexible Fuel Line

ELECTRICAL SYSTEM

- 10A 1ϕ Load Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Heating
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- Extended Factory Testing
- 3 Position Load Center
- Part Vibration Isolation

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Hardware Type Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 2000 ASH Load Rating (Contact Factory for Availability)
- ACCESS Enclosure Lighting Kit
- Door Alarm Switch
- Enclosure Heater
- Damper Alarm Contacts

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 3 Year Limited Warranty
- 3 Year Extended Limited Warranty
- 5 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFPA 110 Compliant 21 Light Remote Annunciator
- Form-a Relay Assembly (5 or 10)
- Oil Temperature Indication and Alarm
- Form-b (Late Break Glass-Type Station Shunt)
- Form-b (Stop-Red Mushroom Type Station Shunt)
- Form-b (Stop-Red Mushroom Type, Field-Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciator
- 120V GFCI and 240V Outputs
- Form-in Communication - Modem
- 10A Engine Run Relay

FUEL TANKS (Size On Last Page)

- 38 in (972.2 mm) Fill Extension
- 53 in (1295.2 mm) Fill Extension
- 59 in (1429.6 mm) Fill Extension
- Overfill Protection Valve
- 3-Gallon Spill Box Polish Brass
- 5-Gallon Spill Box
- Tank Risers
- Fuel Level Switch and Alarm
- 12V Vent System
- Flex Fuel Stainless Steel Fuel Hose

PACKAGING OPTIONS

ENGINE SYSTEM

- Coolant Heater Isolation Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM

- 2nd Breaker System

GENERATOR SET

- Special Testing

FUEL TANKS

- UL2085 Tank
- Stainless Steel Tanks
- Special Fuel Tanks
- Vent Extensions

SPEC SHEET

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

GENERAC INDUSTRIAL

ENGINE SPECIFICATIONS

ALTERNATOR SPECIFICATIONS

SPEC SHEET

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

GENERAC INDUSTRIAL

POWER RATINGS

MOTOR STARTING CAPABILITIES (skVA)

skVA vs. Voltage Dip

FUEL CONSUMPTION RATES*

Diesel - gph (Lph)

COOLING

COMBUSTION AIR REQUIREMENTS

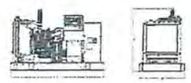
ENGINE

EXHAUST

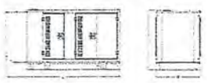
SPEC SHEET

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET

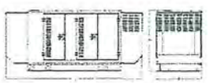
GENERAC INDUSTRIAL



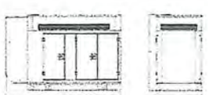
OPEN SET (Includes Exhaust Flex)



WEATHER PROTECTED ENCLOSURE



LEVEL 1 ACOUSTIC ENCLOSURE



LEVEL 2 ACOUSTIC ENCLOSURE

SPEC SHEET

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

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CALIFORNIA 94583

EPIC WIRELESS GROUP LLC
Connecting a Wireless World

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 361-8824

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

LICENSOR:

SHEET TITLE
DETAILS

SHEET NUMBER
D-3