

SITE NAME:

SITE ADDRESS:

COUNTY:

JURISDICTION:

SITE TYPE:

POLE ID:

PROJECT:

STANFORD RAN 12 / RED BARN

35 VISTA LANE STANFORD, CA 94305

SANTA CLARA

SANTA CLARA COUNTY

(N) 40'-0" JPA WOOD POLE

TBD

4G/5G UPGRADE



CROWN CASTLE

1 PARK PLACE PLACE
DUBLIN, CA 94568

LEAF COMMUNICATIONS

1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

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STANFORD RAN 12 /
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35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:

(N) 40'-0" JPA WOOD POLE

| ISSUED FOR: | | | | | |
|-------------|------------|------|-------------------------|----|--|
| REV | DATE | DRWN | DESCRIPTION | QA | |
| 0 | 09/03/2021 | MJC | 90% CONSTRUCTION DWGS | CG | |
| 1 | 09/21/2021 | MJC | 90% CD REVISION | CG | |
| 2 | 10/13/2021 | MJC | 100% CONSTRUCTION DWGS | CG | |
| 3 | 01/20/2022 | CT | 100% CD CLIENT REVISION | CG | |
| 4 | 06/10/2022 | CT | 100% CD REVISIONS | CG | |
| 5 | 11/15/2022 | JG | 100% CD REVISIONS | CG | |
| 6 | 11/17/2022 | CT | 100% CD REVISIONS | CG | |
| | | | | | |
| | | | | | |

SIGNED: 2022/11/17

EXPIRES: 2023/09/30

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

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

REV:

6

SITE INFORMATION

CROWN CASTLE FIBER LLC

SITE NAME:

SITE ADDRESS:

PROPERTY OWNER:

MAP/PARCEL #:

LAT/LONG:

GROUND ELEVATION:

CURRENT ZONING:

JURISDICTION:

LEASE AREA:

OCCUPANCY:

CONSTRUCTION TYPE:

SPRINKLERS:

NUMBER OF STORIES:

ACCESSIBILITY REQUIREMENTS:

POWER COMPANY:

WATER COMPANY:

STANFORD RAN 12 / RED BARN

35 VISTA LANE
STANFORD, CA 94305

LELAND STANFORD JR UNIVERSITY BOARD OF TRUSTEES
415 BROADWAY ST.
3RD FLOOR
REDWOOD CITY, CA 94063

142-12-007

37.422952, -122.187560

±144'

OA

SANTA CLARA COUNTY

±455 SQFT

NA

NA

NA

THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. DISABLED / CHALLENGED ACCESS IS NOT REQUIRED PER CBC 2019, SECTION 11B-203.4(LIMITED ACCESS SPACE)

STANFORD UNIVERSITY

SANTA CLARA VALLEY WATER DISTRICT

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JURISDICTION APPROVAL

SANTA CLARA COUNTY
PLANNING DEPARTMENT
70 W HEDDING ST
7TH FLOOR, EAST WING
SAN JOSE, CA 95110

(DATE)

STANFORD UNIVERSITY
PLANNING DEPARTMENT
31160 PORTER DR
PALO ALTO, CA 94304

(DATE)

PROJECT TEAM APPROVAL

CROWN (NRE):

(DATE)

CROWN (PM):

(DATE)

CROWN (RF):

(DATE)

STANFORD (IT):

(DATE)

GUP CHECKLIST:

(DATE)

EXISTING SITE PHOTO

LOCATION MAP

FROM CROWN CASTLE OFFICE: 1 PARK PL, DUBLIN, CA 94568

• GET ON I-680 S IN PLEASANTON FROM HACIENDA DR, W LAS POSITAS BLVD AND FOOTHILL RD

• FOLLOW I-680 S AND I-280 N TO ALPINE RD IN SAN MATEO COUNTY. TAKE EXIT 22 FROM I-280 N

• FOLLOW I-680 S AND I-280 N TO ALPINE RD IN SAN MATEO COUNTY. TAKE EXIT 22 FROM I-280 N

• TURN RIGHT ONTO JUNIPERO SERRA BLVD

DESTINATION WILL BE ON THE RIGHT

PROJECT TEAM

ARCHITECTURAL & ENGINEERING CONTACTS:

ENGINEER OF RECORD CONTACT:

PROJECT MANAGER CONTACT:

LEAF COMMUNICATIONS
1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
DAN LEAF- (949) 485-8793
DAN.LEAF@LEAFCOMM.COM

LEAF COMMUNICATIONS
1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
ESRA H. PERSELLIN, P.E. - (949) 388-0192
ESRA.PERSELLIN@LEAFCOMM.COM

CROWN CASTLE
1 PARK PL, DUBLIN, CA 94568
JOHN GRIFFITHS
JOHN.GRIFFITHS@CROWNCastle.COM
(707) 756-2030

CALL CALIFORNIA ONE CALL
(800) 227-2600
CALL 3 WORKING DAYS
BEFORE YOU DIG!

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLING:

(1) 40'-0", TBD, DF UTILITY POLE

(2) ERICSSON RADIO/ANTENNA UNITS

(2) COMMSCOPE ANTENNAS

(2) ERICSSON RADIO UNITS

NEW ANTENNAS BE PAINTED/WRAPPED TO MATCH EXISTING COLOR

(1) U/G POWER TRENCH ±10'-0"; ±50'-0" POWER RUN

(1) U/G FIBER TRENCH ±20'-0"; ±60'-0" FIBER RUN

EQUIPMENT TO BE REMOVED:

(4) POWERWAVE ANTENNAS

(2) ERICSSON RADIO UNITS

DESIGN REFERENCE DOCUMENT:

RAN_12_Red_Barn_01 29 2020_IRF

DATED: 04/14/2022

VERSION: v9

STRUCTURAL ANALYSIS REFERENCE DOCUMENT:

RAN_12_STRUCTURAL_ANALYSIS_20220207

DATED: 02/07/2022

RESULT: PASS

APPLICABLE CODES/REFERENCE DOCUMENTS

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

2019 CALIFORNIA BUILDING CODE

2019 CALIFORNIA ADMINISTRATIVE CODE

2019 CALIFORNIA ELECTRICAL CODE

2019 CALIFORNIA MECHANICAL CODE

2019 CALIFORNIA PLUMBING CODE

2019 CALIFORNIA ENERGY CODE

2019 CALIFORNIA FIRE CODE

2019 NFPA 101

2019 NFPA 72

2019 NFPA 13

CITY/COUNY ORDINANCES

ANSI/TIA-222-H

NOTES:

PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT DRAINAGE; NO SANITARY SEWER SERVICE, PORTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. 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 WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION.
3. ALL SITE WORK TO COMPLY WITH QAS--STD--10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE TOWER SITE" AND LATEST VERSION OF TIA 1019 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
4. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS.
5. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
6. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS 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 AS SPECIFIED ON THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
13. NOTICE TO PROCEED-- NO WORK TO COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF A PURCHASE ORDER.
14. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN STANDARD CED--STD--10253 INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH THE ANSI/TIA--322 (LATEST EDITION).

STRUCTURAL STEEL NOTES:

1. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A36 UNLESS OTHERWISE NOTED.
2. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4") CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
3. NON--STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
4. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS.

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST--IN--PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. SLAB FOUNDATION DESIGN ASSUMING ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH.....3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER.....2 IN.
#5 AND SMALLER & WWF.....1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SLAB AND WALLS.....3/4 IN.
BEAMS AND COLUMNS.....1 1/2 IN.
5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

MASONRY NOTES:

1. HOLLOW CONCRETE MASONRY UNITS SHALL MEET A.S.T.M. SPECIFICATION C90, GRADE N. TYPE 1. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (F'm) SHALL BE 1500 PSI.
2. MORTAR SHALL MEET THE PROPERTY SPECIFICATION OF A.S.T.M. C270 TYP. "S" MORTAR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
3. GROUT SHALL MEET A.S.T.M. SPECIFICATION C475 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
4. CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
5. WALL SHALL RECEIVE TEMPORARY BRACING. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL GROUT IS FULLY CURED.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:













CONTRACTOR-- GENERAL CONTRACTOR (CONSTRUCTION)
SUBCONTRACTOR-- CROWN CASTLE FIBER LLC
TOWER OWNER-- ORIGINAL EQUIPMENT MANUFACTURER
OEM--
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR AND CROWN CASTLE.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWINGS.
10. 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 OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

ABBREVIATIONS AND SYMBOLS:

ABBREVIATIONS:

ACL ABOVE GRADE LEVEL
BTS BASE TRANSCIVER STATION
(E) EXISTING
MIN. MINIMUM
REF REFERENCE
RF RADIO FREQUENCY
T.B.D. TO BE DETERMINED
T.B.R. TO BE RESOLVED
TYP TYPICAL
REQ REQUIRED
EGR EQUIPMENT GROUND RING
AWG AMERICAN WIRE GAUGE
MGB MASTER GROUND BAR
EG EQUIPMENT GROUND
BCW BARE COPPER WIRE
SIAD SMART INTEGRATED ACCESS DEVICE
GEN GENERATOR
IGR INTERIOR GROUND RING (HALO)
RBS RADIO BASE STATION

SYMBOLS:

 SOLID GROUND BUS BAR
 SOLID NEUTRAL BUS BAR
 SUPPLEMENTAL GROUND CONDUCTOR
 2--POLE THERMAL--MAGNETIC CIRCUIT BREAKER
 SINGLE--POLE THERMAL--MAGNETIC CIRCUIT BREAKER
 CHEMICAL GROUND ROD
 TEST WELL
 DISCONNECT SWITCH
 METER
 EXOTHERMIC WELD (CADWELD) (UNLESS OTHERWISE NOTED)
 MECHANICAL CONNECTION
 GROUNDING WIRE

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC. HILT epoxy ANCHORS ARE REQUIRED BY CROWN CASTLE.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER--STYLE CABLE TRAY RUNGS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR--CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH PLASTIC TAPE PER COLOR SCHEDULE. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).
8. PANEL BOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN--2, CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET & DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN--2 GREEN INSULATION CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET AND DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI--CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN--2, CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET AND DRY) OPERATION WITH OUTER JACKET LISTED OR LABELED FOR THE LOCATION USED UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP--STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E. RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT) OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID--TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID--TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION--TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
21. WIREWAYS SHALL BE EPOXY--COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER).
22. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON--PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS, ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHIN ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY--COATED SHEET STEEL; SHALL MEET OR EXCEED UL 50 AND RATED NEMA 1 (OR BETTER) INDOORS OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY--COATED OR NON--CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
28. INSTALL PLASTIC LABEL ON THE METER CENTER TO SHOW "CROWN CASTLE".
29. ALL CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL--OF--POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDEND AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 AWG SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON--ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 FT. OF MAIN GROUND WIRES WITH 1--#2 AWG TIN--PLATED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS, WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS. NON--METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED, WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 TINNED SOLID IN 3/4" LIQUID TIGHT CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD--WELD TERMINATION POINT. THE EXPOSED END OF THE LIQUID TIGHT CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).

| NEC INSULATOR COLOR CODE | | |
|--------------------------|-------------------|--------------------------------------|
| DESCRIPTION | PHASE/CODE LETTER | WIRE COLOR |
| 240V/120 1Ø | LEG 1 | BLACK |
| | LEG 2 | RED |
| | LEG 3 | BLUE |
| AC NEUTRAL | N | WHITE |
| GROUND (EGC) | G | GREEN |
| VDC POS | + | *RED--POLARITY MARK AT TERMINATION |
| VDC NEG | - | *BLACK--POLARITY MARK AT TERMINATION |
| 240V OR 208V, 3Ø | PHASE A | BLACK |
| | PHASE B | RED(ORG. IF HI LEG) |
| | PHASE C | BLUE |
| 480V, 3Ø | PHASE A | BROWN |
| | PHASE B | ORANGE |
| | PHASE C | YELLOW |

* SEE NEC 210.5(C)(1) AND (2)



1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

SITE NAME:
STANFORD RAN 12 /
RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|------------|------|-------------------------|----|
| 0 | 09/03/2021 | MJC | 90% CONSTRUCTION DWGS | CG |
| 1 | 09/21/2021 | MJC | 90% CD REVISION | CG |
| 2 | 10/13/2021 | MJC | 100% CONSTRUCTION DWGS | CG |
| 3 | 01/20/2022 | CT | 100% CD CLIENT REVISION | CG |
| 4 | 06/10/2022 | CT | 100% CD REVISIONS | CG |
| 5 | 11/15/2022 | JG | 100% CD REVISIONS | CG |
| 6 | 11/17/2022 | CT | 100% CD REVISIONS | CG |
| | | | | |
| | | | | |



SIGNED: 2022/11/17
EXPIRES: 2023/09/30

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SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:

GN-1

REV:

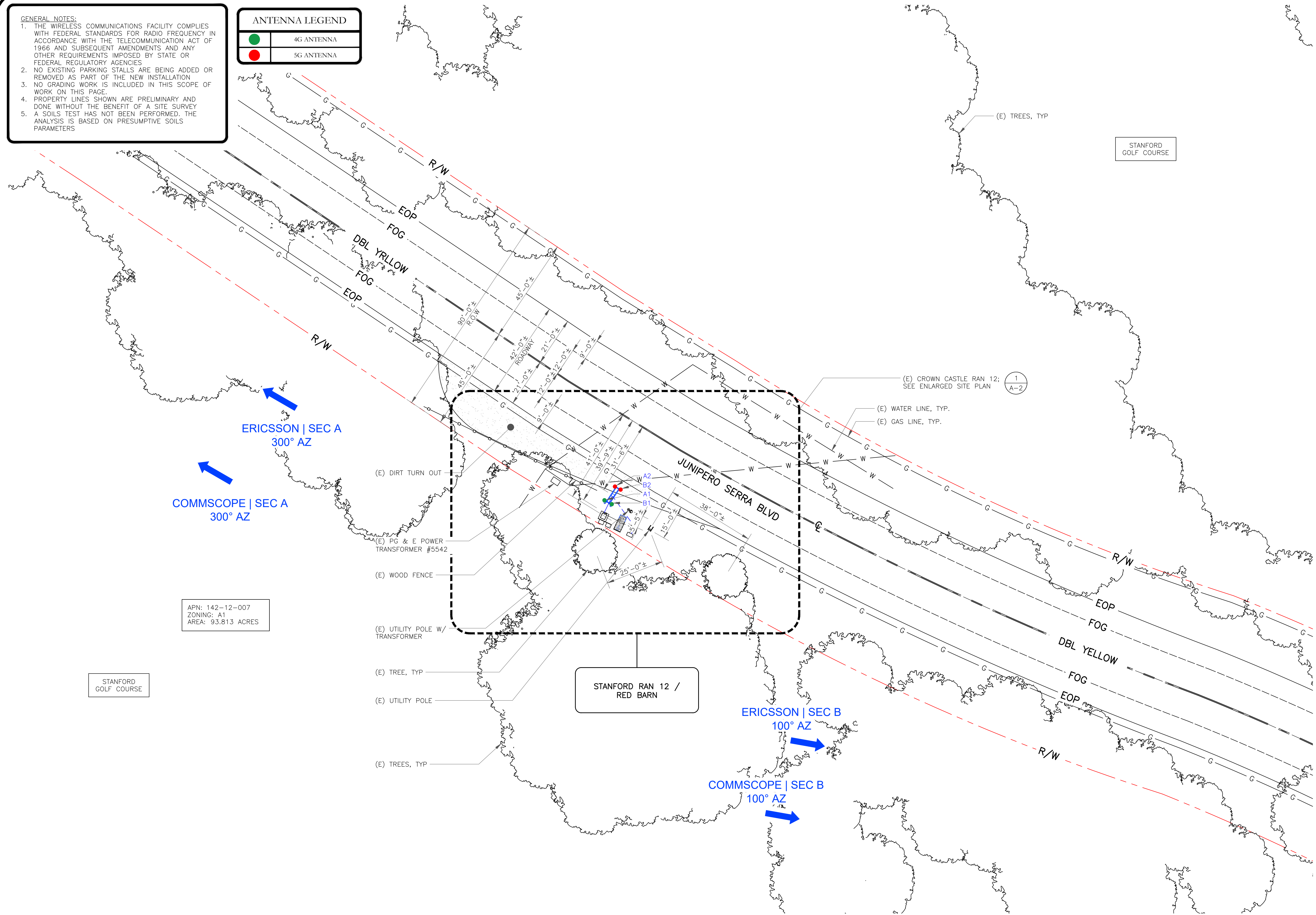
6

GENERAL NOTES:

1. THE WIRELESS COMMUNICATIONS FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1966 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. NO GRADING WORK IS INCLUDED IN THIS SCOPE OF WORK ON THIS PAGE.
4. PROPERTY LINES SHOWN ARE PRELIMINARY AND DONE WITHOUT THE BENEFIT OF A SITE SURVEY
5. A SOILS TEST HAS NOT BEEN PERFORMED. THE ANALYSIS IS BASED ON PRESUMPTIVE SOILS PARAMETERS

ANTENNA LEGEND

| | |
|---|------------|
|  | 4G ANTENNA |
|  | 5G ANTENNA |

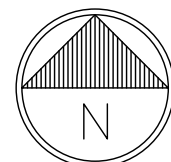


APN: 142-12-007
ZONING: A1
AREA: 93.813 ACRES

STANFORD RAN 12 /
RED BARN

1 SITE PLAN

SCALE: 1"=20'-0" (FULL SIZE)
1"=40'-0" (11x17)



1 PARK PLACE PLACE
DUBLIN, CA 94568



1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

SITE NAME:
STANFORD RAN 12 /
RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
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| 5 | 11/15/2022 | JG | 100% CD REVISIONS | CG |
| 6 | 11/17/2022 | CT | 100% CD REVISIONS | CG |



SIGNED: 2022/11/17
EXPIRES: 2023/09/30

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TO ALTER THIS DOCUMENT.

SHEET TITLE:
SITE PLAN

SHEET NUMBER:

A-1

REV:

6

GENERAL NOTES:

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ANTENNA LEGEND

| | |
|--|------------|
| | 4G ANTENNA |
| | 5G ANTENNA |

GENERAL NOTES:

1. REQUIREMENTS AND PROCEDURES SHALL BE FOLLOWED, AS DETAILED IN THE FDG SPECIFICATIONS GUIDELINE 01532 TREE AND SHRUB PROTECTION.
2. THE ROOT ZONE OF ALL TREES MUST BE PROTECTED ON ALL CONSTRUCTION PROJECTS, AS DESCRIBED BELOW. A TREE'S ROOT ZONE IS DEFINED AS THE AREA FROM THE TRUNK OUT TO 10' BEYOND THE TREE'S DRIPLINE.
3. A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST SHALL BE CONTACTED TO EVALUATE ALL WORK WITHIN ANY TREES' ROOT ZONES.
4. ALL TREES TO REMAIN ON A PROJECT SHALL HAVE PROTECTIVE FENCING INSTALLED PER THE TREE PROTECTION DRAWING INCLUDED IN THE PLAN SET.
5. PROTECTIVE FENCING SHALL BE CHAIN LINK ON SECURE FOOTINGS, OR IMBEDDED AS REQUIRED BY THE CAMPUS PLANNING AND DESIGN OFFICE OR A STANFORD UNIVERSITY GROUNDS SERVICES CERTIFIED ARBORIST, THAT WILL NOT FALL OVER ONTO TREES.
6. PROTECTIVE FENCING SHALL BE PLACED AT THE OUTER EDGE OF THE ROOT ZONE, 10' BEYOND THE TREE DRIP LINE WHEREVER POSSIBLE AS SHOWN ON TREE PROTECTION DRAWING. IF PROJECT CONSTRAINTS DO NOT ALLOW OF THE ROOT ZONE, FENCING MUST BE PLACED AS CLOSE TO THIS AS POSSIBLE AND APPROVED AFTER IT IS IN PLACE BY A STANFORD UNIVERSITY GROUNDS SERVICES CERTIFIED ARBORIST.
7. LAYDOWN, STAGING AND PARKING AREAS SHALL BE APPROVED BY THE STANFORD UNIVERSITY ARCHITECT/CAMPUS PLANNING DEPARTMENT AND SHALL BE SHOWN ON THE PLANS IF WITHIN THE PROJECT LIMIT AREA, OR ON THE CONSTRUCTION LOGISTICS PLAN IF OUTSIDE THE PROJECT LIMIT AREA. ALL TREE PROTECTION GUIDELINES APPLY TO TREES IN LAYDOWN, STAGING AND PARKING AREAS AS WELL AS TO TREES WITHIN THE PROJECT LIMITS.
8. CONSTRUCTION MATERIALS/EQUIPMENT/PERSONAL VEHICLES SHALL NOT BE STORED, PARKED OR TEMPORARILY PLACED IN THE ROOT ZONES OF ANY TREES. NOTHING SHALL BE STORED OR PLACED TEMPORARILY WITHIN PROTECTIVE FENCING, TO AVOID SOIL COMPACTION AND SOIL CONTAMINATION UNDER TREES. ROOT ZONES OF TREES SHALL NOT BE DRIVEN OVER. PROVIDE ALTERNATIVE ROUTES FOR CONSTRUCTION TRAFFIC OF ANY KIND INCLUDING CARS, PEOPLE, TRACTORS, EQUIPMENT, CRANES, OR ANY OTHER TRAFFIC AND ALL STAGING OR STORAGE AREAS.
9. PROTECT OVERHANGING TREE CANOPIES FROM CONSTRUCTION DAMAGE. IF DRIVE AISLES ARE ANTICIPATED UNDER LOW CANOPIES CALL FOR AN EVALUATION BY A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST TO DETERMINE APPROPRIATE MEASURES.
10. THERE SHALL BE NO GRADE CHANGE WITHIN A MINIMUM OF TEN FEET OF THE TRUNK OF EXISTING TREES, AND PREFERABLY NONE WITHIN THE ENTIRE ROOT ZONE. NATIVE OAKS ARE PARTICULARLY SENSITIVE TO GRADE CHANGES.
11. NO RINSING, CLEANING EQUIPMENT OR DUMPING CONSTRUCTION LIQUID MATERIALS SHALL BE ALLOWED IN THE TREE ROOT ZONE, OR IN AN AREA THAT DRAINS INTO THE ROOT ZONE. CARE SHALL BE TAKEN IN CLEANING UP EQUIPMENT. THERE SHALL BE NO STORAGE OF DUMPSTERS OR ACCUMULATED DEBRIS FROM DEMOLITION ON OR AROUND THE ROOT ZONES OF EXISTING TREES AND SHRUBS.
12. EXISTING TREES SHALL BE MONITORED WEEKLY AND IRRIGATED AS NEEDED DURING THE COURSE OF CONSTRUCTION.
13. NO LIME OR OTHER SOIL TREATMENT SHALL BE APPLIED WITHOUT THE CONSENT OF A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST.
14. ALL TRENCHING SHALL CONFORM TO THE FOLLOWING GUIDELINES.
 - A. A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST IS REQUIRED TO BE PRESENT TO SUPERVISE ANY TRENCHING, DIGGING OR EXCAVATION OF ANY KIND WITHIN A TREE'S ROOT ZONE.
 - B. ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL NOT BE SEVERED WITHOUT CALLING A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST FOR CUTTING OR REVIEW.
 - C. TUNNELING OR BORING UNDER ROOTS RATHER THAN PRUNING IS PREFERRED.
 - D. DIGGING WITHIN A TREE'S ROOT ZONE SHALL BE AVOIDED. IF IT IS NECESSARY, HAND DIGGING SHALL BE USED FOR ANY TRENCHING WITHIN THE TREE'S ROOT ZONE UNLESS OTHERWISE APPROVED BY A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST.
 - E. ALL ROOTS THAT NEED TO BE CUT SHALL BE PRUNED CLEANLY, NOT TORN. THE PRECEDING GUIDELINES SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE GREATER THE DISTANCE OF TREE PROTECTION PROVIDED THE GREATER THE INSTANTANCE OF TREE SUCCESS IN CONSTRUCTION AREAS.

COMMSCOPE | SEC A
255° AZ

ERICSSON | SEC A
255° AZ

COMMSCOPE | SEC B
128° AZ

ERICSSON | SEC B
128° AZ

STANFORD RAN 12 /
RED BARN

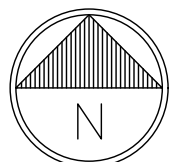
STANFORD
GOLF COURSE

(E) 66'-8" JPA WOOD POLE
(POLE# 8-162 T40653227)
SMALL CELL NODE TO BE
RELOCATED TO (N) POLE.

APN: 142-12-007
ZONING: A1
AREA: 93.813 ACRES

1 ENLARGED SITE PLAN

SCALE: 3/16"=1'-0" (FULL SIZE)
3/32"=1'-0" (11x17)



1 PARK PLACE PLACE
DUBLIN, CA 94568



1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

SITE NAME:
STANFORD RAN 12 /
RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|------------|------|-------------------------|----|
| 0 | 09/03/2021 | MJC | 90% CONSTRUCTION DWGS | CG |
| 1 | 09/21/2021 | MJC | 90% CD REVISION | CG |
| 2 | 10/13/2021 | MJC | 100% CONSTRUCTION DWGS | CG |
| 3 | 01/20/2022 | CT | 100% CD CLIENT REVISION | CG |
| 4 | 06/10/2022 | CT | 100% CD REVISIONS | CG |
| 5 | 11/15/2022 | JG | 100% CD REVISIONS | CG |
| 6 | 11/17/2022 | CT | 100% CD REVISIONS | CG |
| | | | | |
| | | | | |



SIGNED: 2022/11/17
EXPIRES: 2023/09/30

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TO ALTER THIS DOCUMENT.

SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:

A-2

REV:

6



SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|------------|------|-------------------------|----|
| 0 | 09/03/2021 | MJC | 90% CONSTRUCTION DWGS | CG |
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| 6 | 11/17/2022 | CT | 100% CD REVISIONS | CG |
| | | | | |



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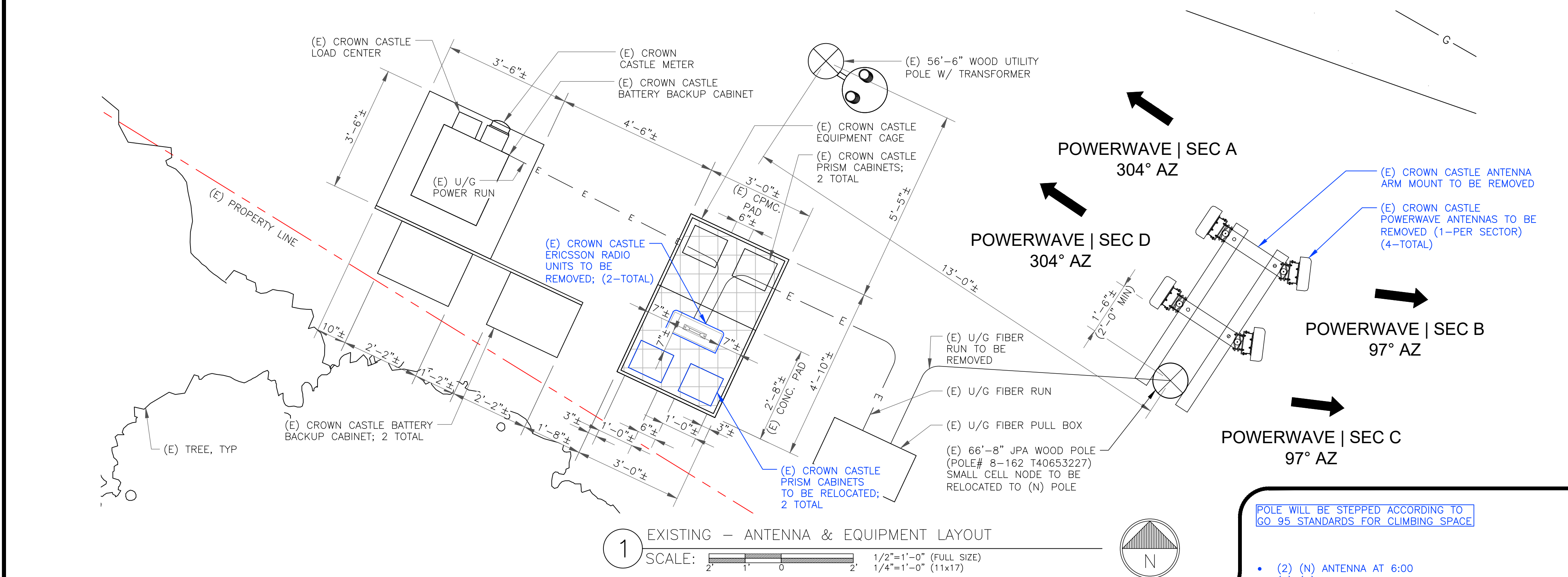
SHEET TITLE:
ANTENNA LAYOUT |
EQUIPMENT LAYOUT

SHEET NUMBER:

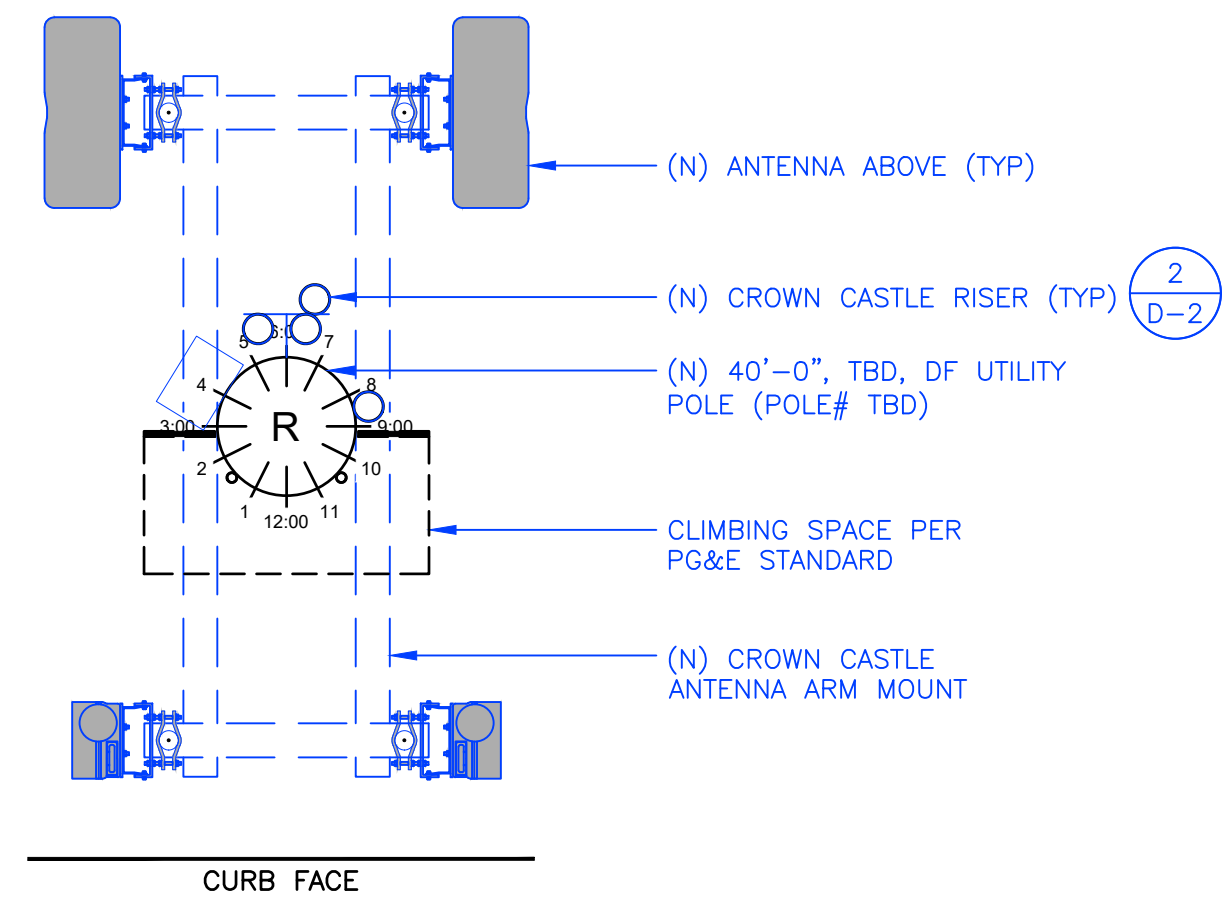
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A-3

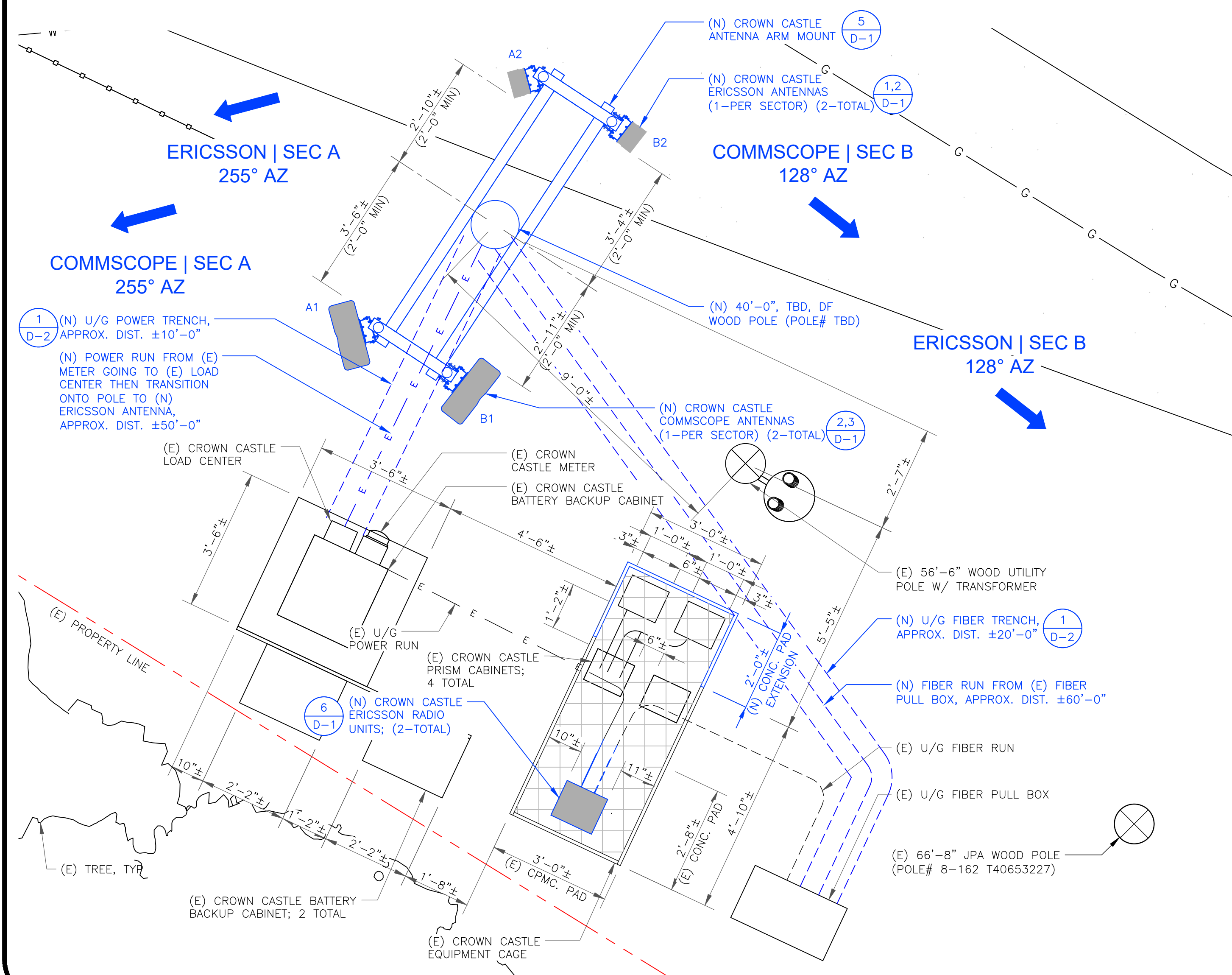
6



- (2) (N) ANTENNA AT 6:00
- (2) (N) ANTENNA AT 12:00
- (1) (N)/(E) CROWN CASTLE ELECTRICAL BOX AT 4:00
- (3) (N) 6" CROWN CASTLE FIBER/COAX RISER AT 6:00
- (1) (N) 4" CROWN CASTLE POWER RISER AT 8:30



3 RISER/EQUIPMENT DIAGRAM
SCALE:

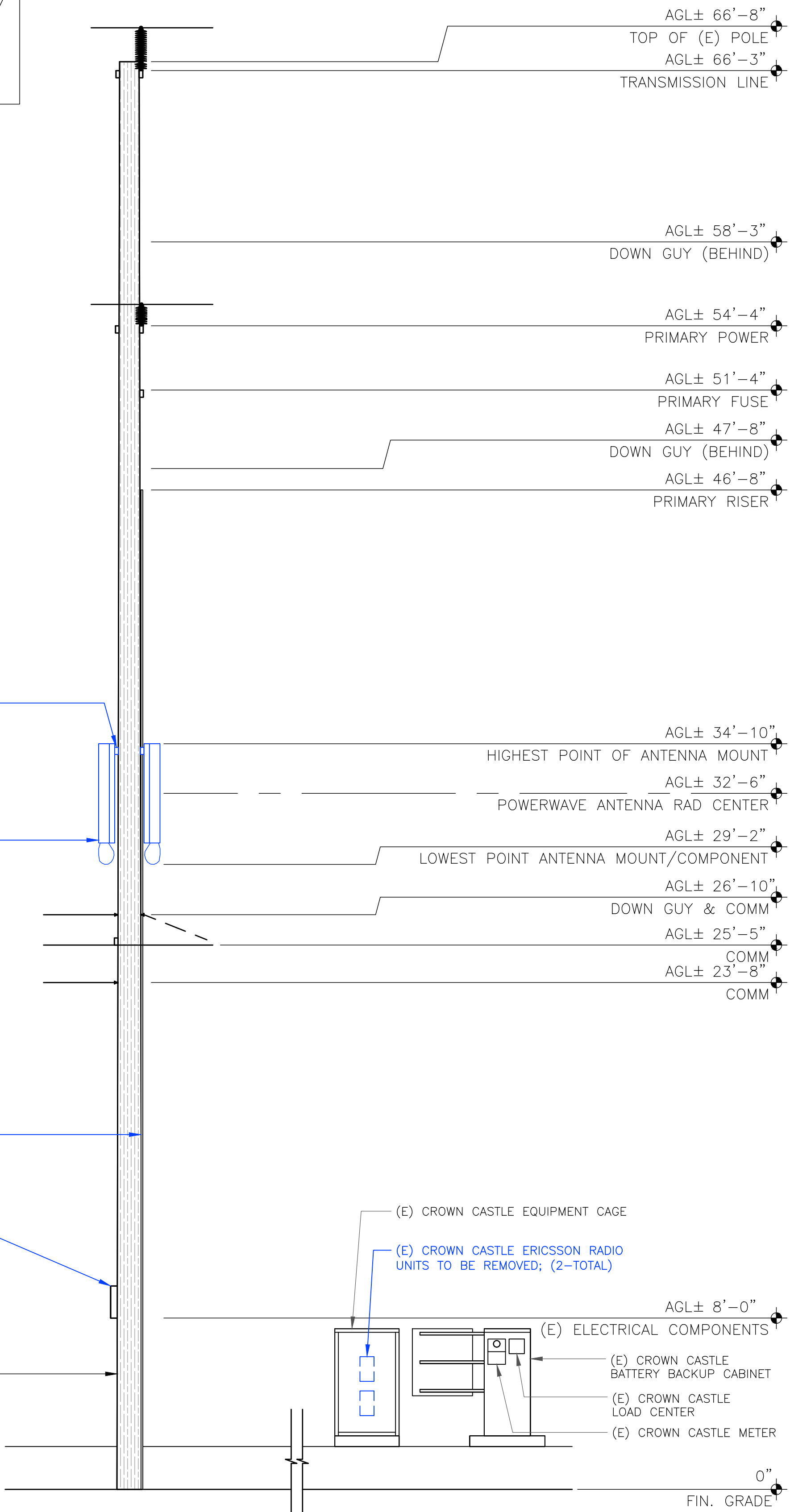


2 NEW - ANTENNA & EQUIPMENT LAYOUT

SCALE: 1/2"=1'-0" (FULL SIZE)
1/4"=1'-0" (1/4"=1')

| NEW ANTENNA SCHEDULE | | | | | | | | | |
|----------------------|----|--------------|------------------|--------------------------|---------|------------|----------------------------------|---|---|
| SECTOR | | ANTENNA | | | AZIMUTH | RAD CENTER | RRU | OTHER EQUIP | CABLING |
| | | MANUFACTURER | MODEL | TECHNOLOGY | | | | | |
| SECTOR A | A1 | COMMSCOPE | FFV4S4-65B-R7 | 700/1900/2100/CELL (VZW) | 255° | 31'-4" | ERICSSON 8843 (1900/2100 VZW) | COMMSCOPE PRISM "A" (CELL VZW) COMMSCOPE PRISM "C" (700 VZW) | (E) COAX (2) (N) SM FIBER (±60') (1) (N) POWER CABLE (±50') |
| | A2 | ERICSSON | STREETMACRO 6701 | 5G (VZW) | 255° | 32'-6" | -- | -- | |
| | A3 | -- | -- | -- | -- | -- | -- | -- | |
| | A4 | -- | -- | -- | -- | -- | -- | -- | |
| SECTOR B | B1 | COMMSCOPE | FFV4S4-65B-R7 | 700/1900/2100/CELL (VZW) | 128° | 31'-4" | ERICSSON 8843 (1900/2100 VZW) | COMMSCOPE PRISM "A" (CELL VZW) COMMSCOPE PRISM "C" (700 VZW) | (E) COAX (2) (N) SM FIBER (±60') (1) (N) POWER CABLE (±50') |
| | B2 | ERICSSON | STREETMACRO 6701 | 5G (VZW) | 128° | 32'-6" | -- | -- | |
| | B3 | -- | -- | -- | -- | -- | -- | -- | |
| | B4 | -- | -- | -- | -- | -- | -- | -- | |

| | |
|-------------------------|------------------|
| (E) POLE TYPE: | PG&E--OWNED WOOD |
| (E) POLE ID: | JPA POLE |
| (E) POLE CLASS/SPECIES: | 8-162 T40653227 |
| (E) POLE CIRCUMFERENCE: | 1/DOUGLAS FIR |
| (E) POLE HEIGHT: | 54" |
| (E) POLE OWNER: | 75' |
| (E) POLE OWNER: | PG&E |



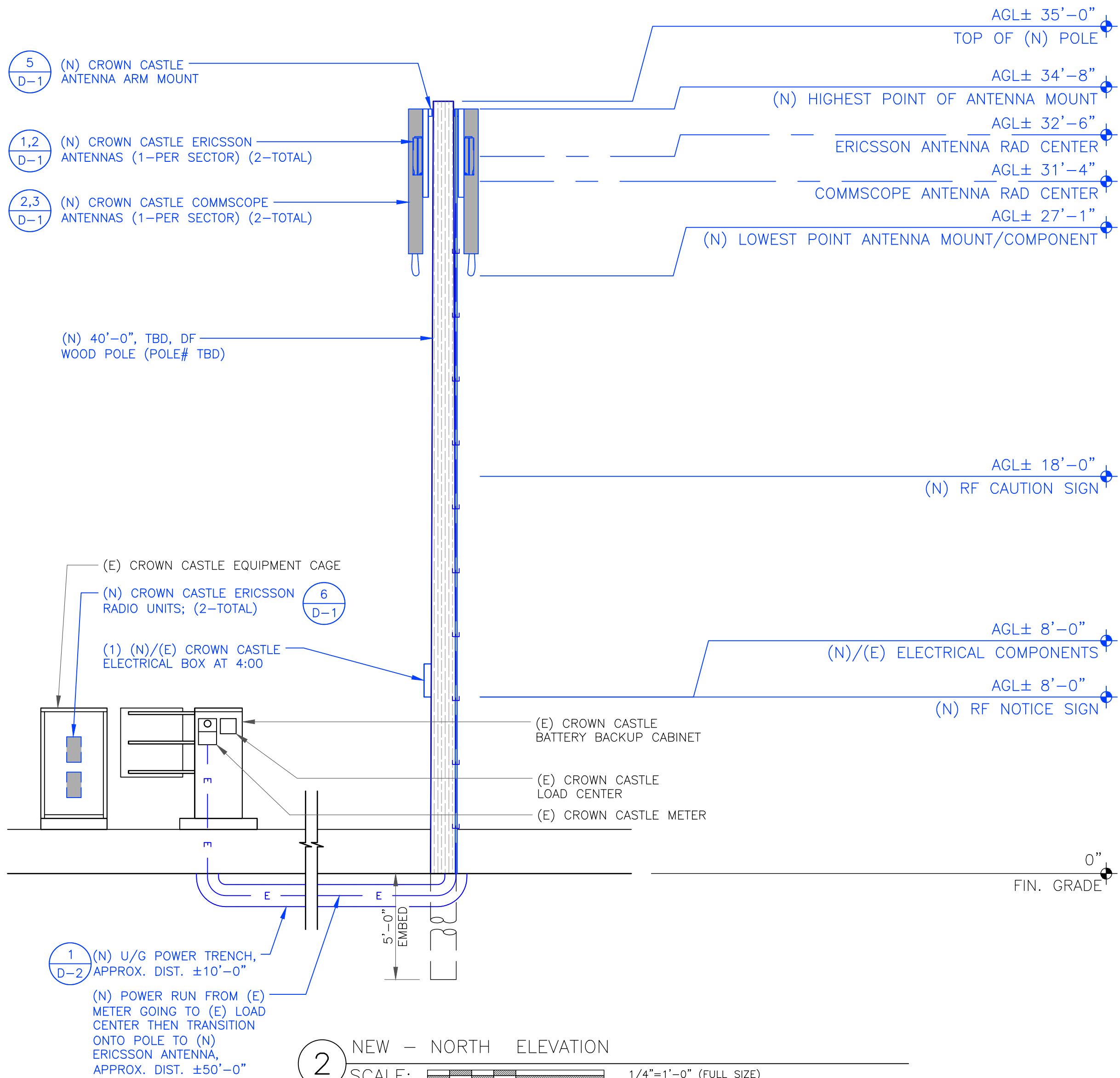
1 EXISTING - NORTH ELEVATION

SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

4G AZIMUTHS:
SECTOR A = 255°
SECTOR B = 128°
4G ANTENNA RAD CENTER = 31'-4"

5G AZIMUTHS:
SECTOR A = 255°
SECTOR B = 128°
5G ANTENNA RAD CENTER = 32'-6"

| | |
|-----------------------------|---------------|
| (N) POLE TYPE: | WOOD JPA POLE |
| (N) POLE LENGTH / CLASS: | 40' / 2 |
| (N) POLE SPECIES: | DOUGLAS FIR |
| (N) SETTING DEPTH: | 5' |
| (N) POLE G/L CIRCUMFERENCE: | 38.90" |
| (N) POLE HEIGHT: | 35' AGL |
| (N) POLE OWNER: | CROWN CASTLE |



2 NEW - NORTH ELEVATION

SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

SITE NAME:
STANFORD RAN 12 /
RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|------------|------|-------------------------|----|
| 0 | 09/03/2021 | MJC | 90% CONSTRUCTION DWGS | CG |
| 1 | 09/21/2021 | MJC | 90% CD REVISION | CG |
| 2 | 10/13/2021 | MJC | 100% CONSTRUCTION DWGS | CG |
| 3 | 01/20/2022 | CT | 100% CD CLIENT REVISION | CG |
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| 5 | 11/15/2022 | JG | 100% CD REVISIONS | CG |
| 6 | 11/17/2022 | CT | 100% CD REVISIONS | CG |



SIGNED: 2022/11/17
EXPIRES: 2023/09/30

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TO ALTER THIS DOCUMENT.

SHEET TITLE:
ELEVATIONS

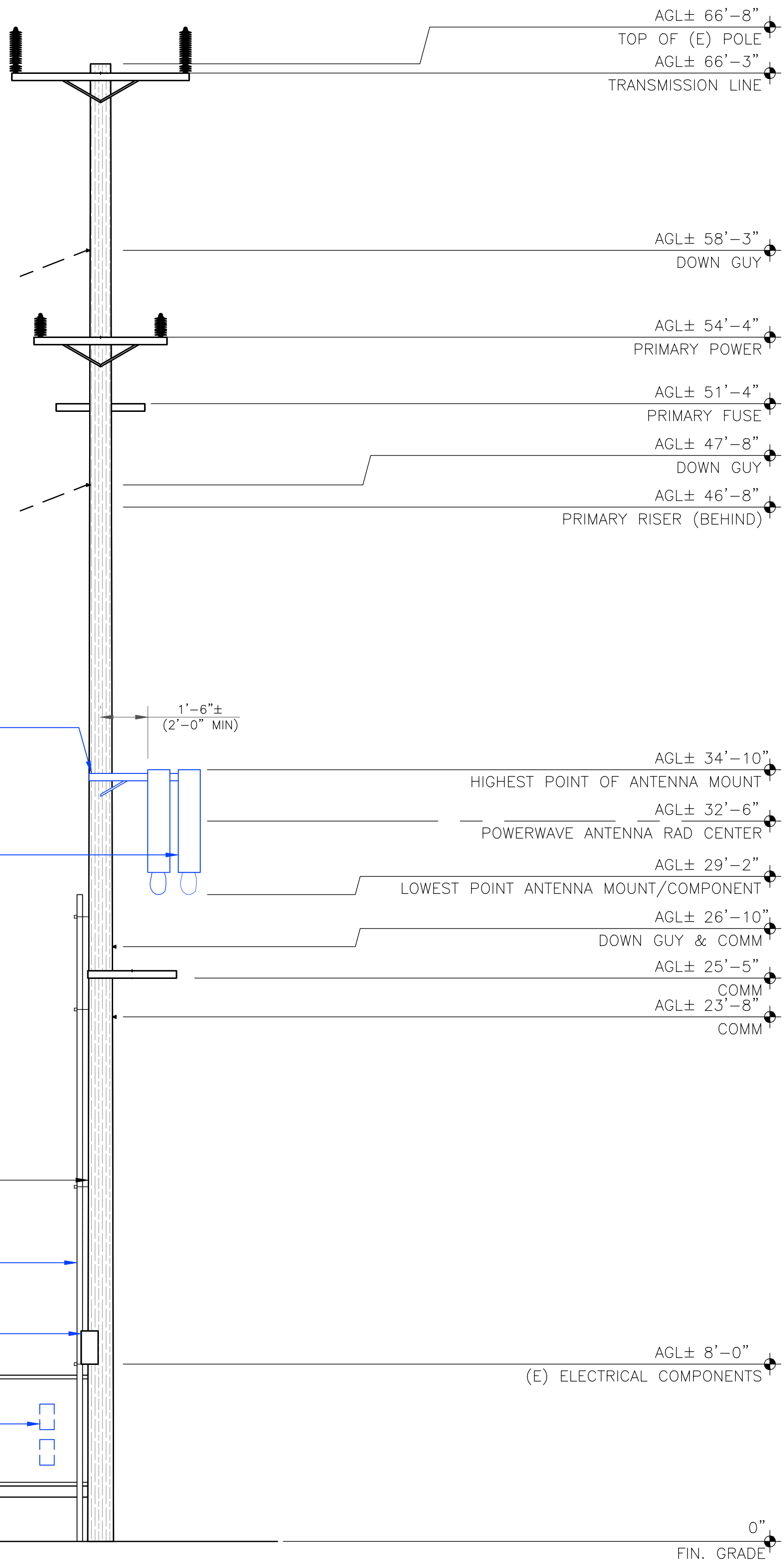
SHEET NUMBER:

A-4

REV:

6

| | |
|-------------------------|------------------|
| (E) POLE TYPE: | PG&E--OWNED WOOD |
| (E) POLE ID: | JPA POLE |
| (E) POLE CLASS/SPECIES: | 8-162 T40653227 |
| (E) POLE CIRCUMFERENCE: | 1/DOUGLAS FIR |
| (E) POLE HEIGHT: | 54" |
| (E) POLE OWNER: | PG&E |

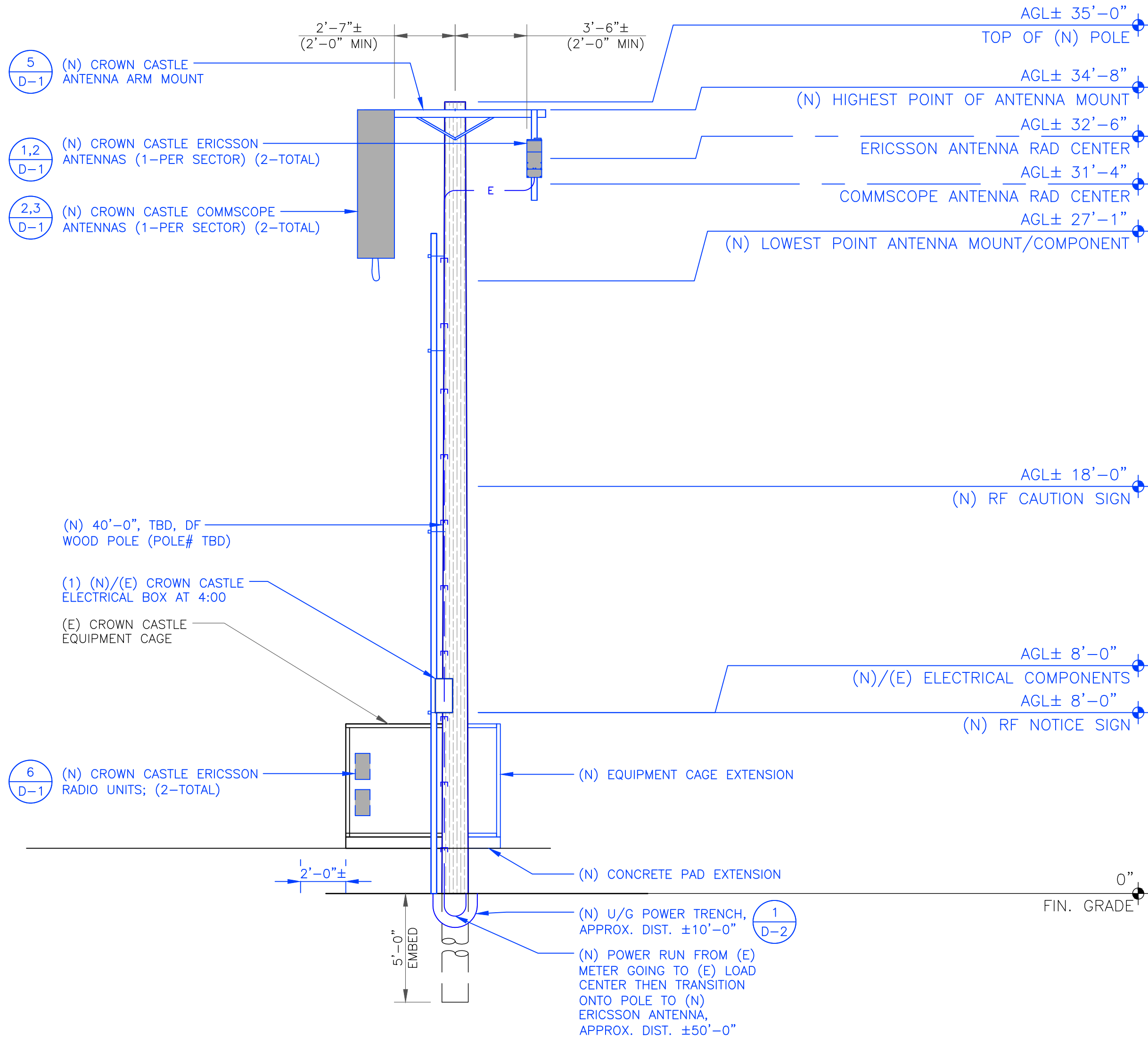


1 EXISTING - EAST ELEVATION
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

4G AZIMUTHS:
SECTOR A = 255°
SECTOR B = 128°
4G ANTENNA RAD CENTER = 31'-4"

5G AZIMUTHS:
SECTOR A = 255°
SECTOR B = 128°
5G ANTENNA RAD CENTER = 32'-6"

| | |
|-----------------------------|---------------|
| (N) POLE TYPE: | WOOD JPA POLE |
| (N) POLE LENGTH / CLASS: | 40' / 2 |
| (N) POLE SPECIES: | DOUGLAS FIR |
| (N) SETTING DEPTH: | 5' |
| (N) POLE G/L CIRCUMFERENCE: | 38.90" |
| (N) POLE HEIGHT: | 35' AGL |
| (N) POLE OWNER: | CROWN CASTLE |



2 NEW - EAST ELEVATION
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)



SITE NAME:
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STANFORD, CA 94305

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SHEET TITLE:
ELEVATIONS


SHEET NUMBER:

A-5

REV:

6






Stanford RAN 12 / Red Barn
160 Junipero Serra Blvd
Stanford, CA

Aerial Map
Applied Imagination 510 914-0500





Stanford RAN 12 / Red Barn
160 Junipero Serra Blvd
Stanford, CA

Looking Northwest from Junipero Serra Blvd
View #1
Applied Imagination 510 914-0500



**CROWN
CASTLE**
1 PARK PLACE PLACE
DUBLIN, CA 94568



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SAN CLEMENTE, CA 92673
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SHEET TITLE:
PHOTO SIMULATION

SHEET NUMBER:

A-6

REV:

6



Existing



Proposed

CROWN CASTLE
2/4/22

Stanford RAN 12 / Red Barn
160 Junipero Serra Blvd
Stanford, CA

Looking Northwest from Junipero Serra Blvd
View #2
Applied Imagination 510 914-0500



Existing



Proposed

CROWN CASTLE
2/4/22

Stanford RAN 12 / Red Barn
160 Junipero Serra Blvd
Stanford, CA

Looking South from Junipero Serra Blvd
View #3
Applied Imagination 510 914-0500

CROWN CASTLE
1 PARK PLACE PLACE
DUBLIN, CA 94568

LEAF COMMUNICATIONS
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LEAF COMMUNICATIONS



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SHEET TITLE:
PHOTO SIMULATION

SHEET NUMBER:

A-7

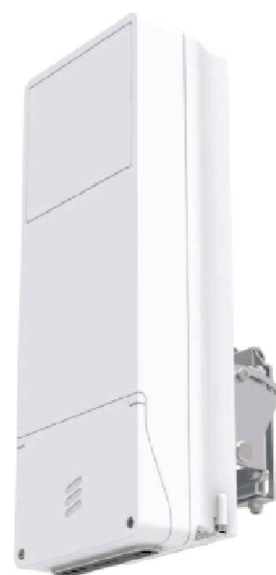
REV:

6

Streetmacro 6701

Tentative spec

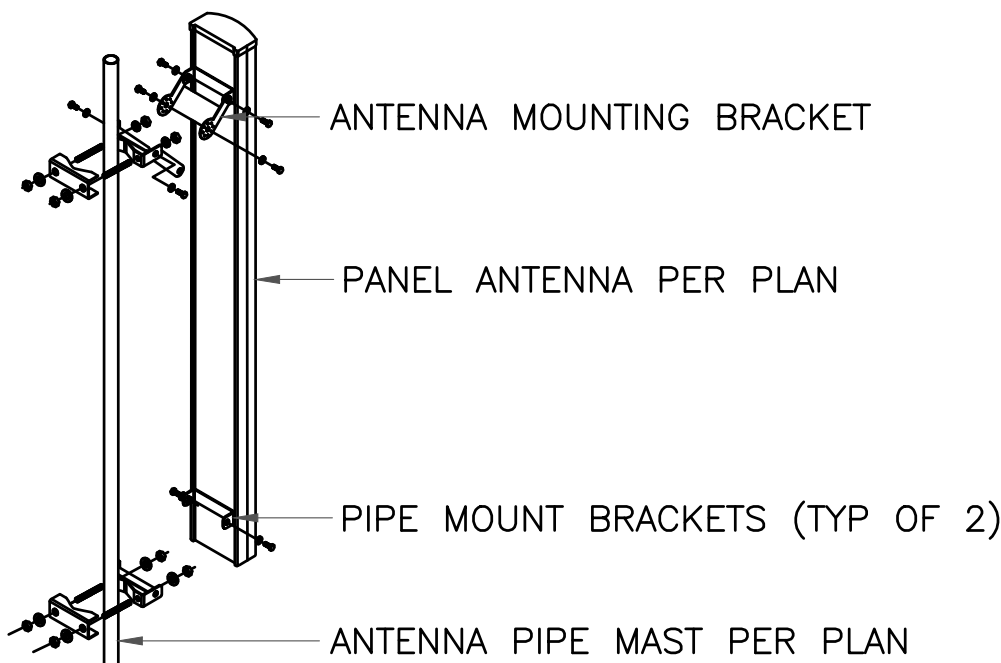
- General information
 - Integrated product based on Baseband 6318 and AIR 1281
 - RF bands support: 26.50 – 29.50 GHz (Bn257)
 - Number of beams: 2-4 (single PAAM)
 - OBW: 800 MHz (single PAAM)
 - Total CRP: 55dBm (single PAAM)
 - Total Carrier BW: 1600 MHz
- Capacity
 - Max users: +2000
 - Bit rate: 5 Gbps / 1 Gbps (DL/UL)
- Interfaces:
 - Transport Network/IDL: 2 x SFP ports, 10 Gbps optical or electrical
 - Transport Network: 1 Gbps, electrical PoE+
 - Ext Radio IP: 2 x CPRI ports, 10 Gbps, electrical PoE+
 - Misc. 4x External Alarms, integrated GPS, LMT
 - Power Supply: 100-250VAC, ~40 VDC
 - Power Consumption: Approx. 350 W (single PAAM)
- Mechanics
 - Installation type: Pole/Wall
 - Dimensions: Approx. 510x120x200 (~13 L)
 - Weight: ~14 kg
 - Operating temperature: -40°C to +55°C
 - Cooling: Active
 - IP Class: IP65



2019-11-19 | RAN Overview | Commercial in Confidence | Page 23

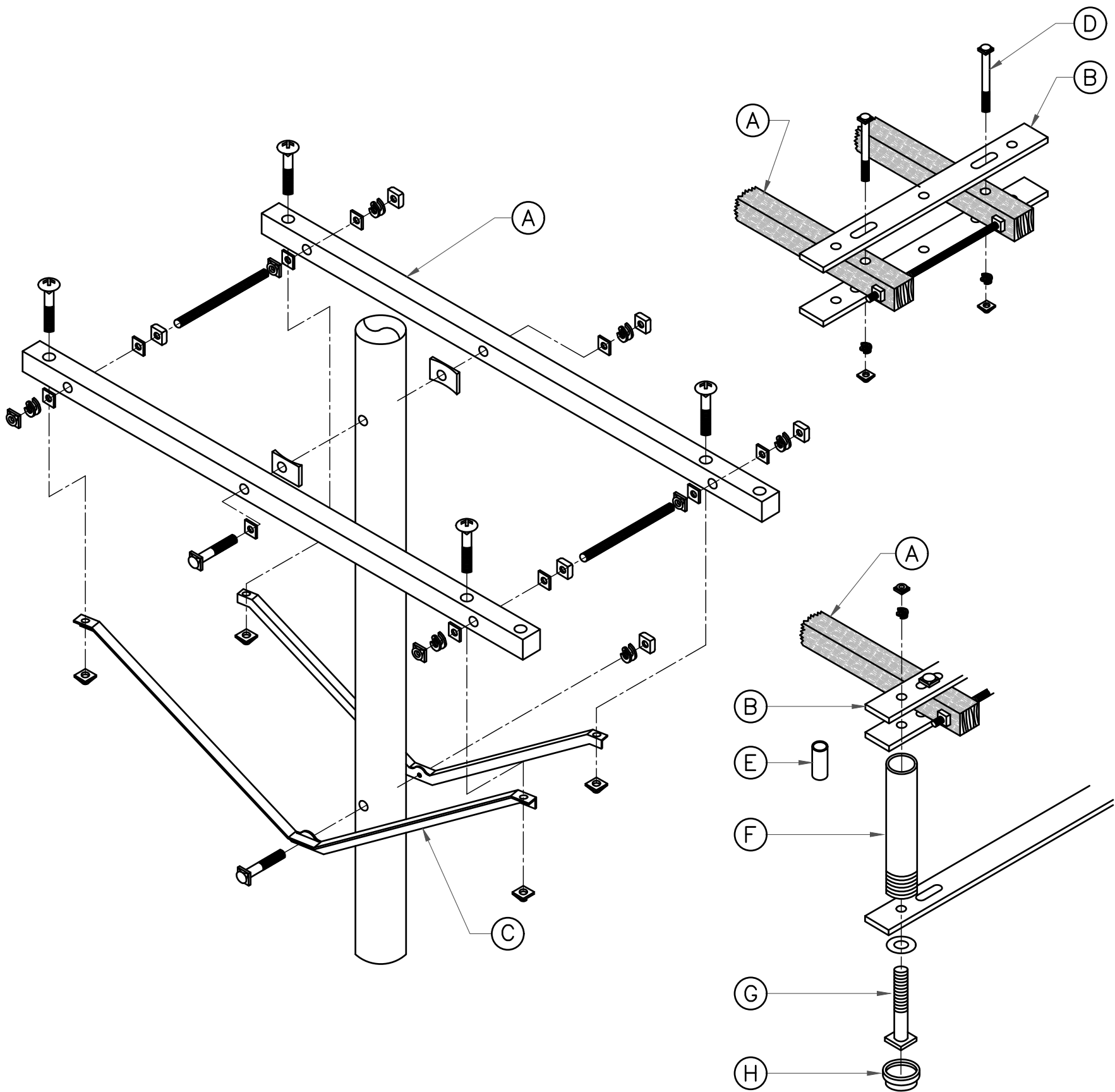
1 ERICSSON ANTENNA SPEC. SHEET
SCALE: N.T.S.

NOTE:
ALL PIPES BRACKETS AND MISCELLANEOUS HARDWARE
TO BE GALVANIZED UNLESS NOTED OTHERWISE

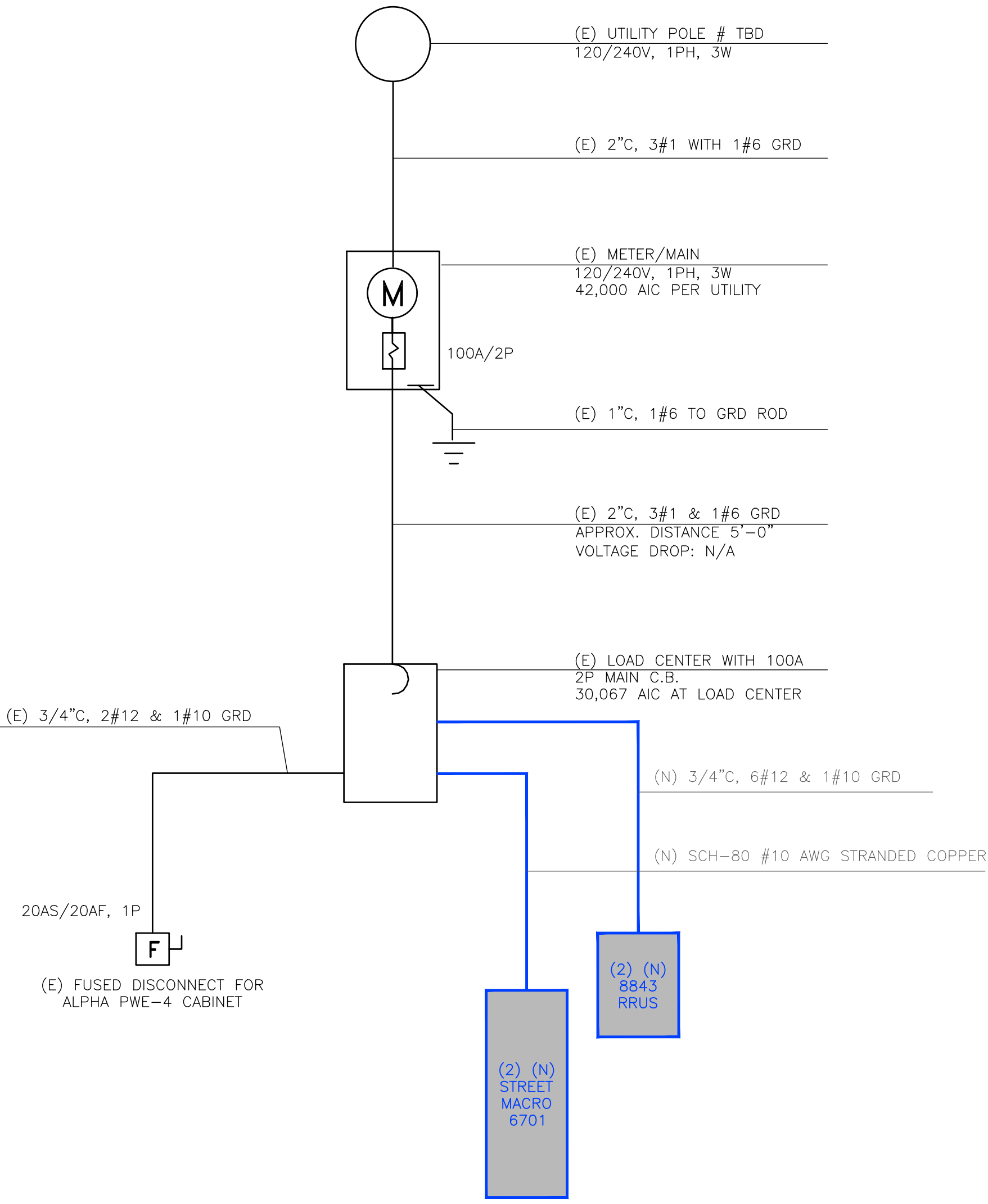


2 ANTENNA MOUNTING DETAIL
SCALE: N.T.S.

| PARTS LIST | | | | |
|------------|------------------------|---|---------------------------------|----------------------|
| NO. | DESCRIPTION | MANUFACTURE | PART NO. | PHONE /ORDER |
| A | WOOD ARM | HUGHES BROTHERS | TYPE 04 OR 05 OR APPROVED EQUAL | GRAYBAR OR HD SUPPLY |
| B | MOUNTING PLATE | CUSTOM/JA-V INDUSTRIES | N/A | GLENN (909) 946-5959 |
| C | ANGLE BRACE | JOSLYN/MACLEAN POWER | J1442 | GRAYBAR OR HD SUPPLY |
| D | ALL POLE LINE HARDWARE | JOSLYN/MACLEAN POWER | VARIES | GRAYBAR OR HD SUPPLY |
| E | SPACER | GALVANIZED PIPE – 4–3/4" x 1"Ø | | |
| F | ANTENNA PIPE MAST | 2"Ø X 22" MOUNTING PIPE W/ (1) THREADED END | | |
| G | THREADED BOLT | 5/8"Ø X 30" LONG | | |
| H | THREADED CAP | | | |



5 ANTENNA ARM MOUNT DETAIL
SCALE: N.T.S.



8 ONE-LINE DIAGRAM
SCALE: N.T.S.

FFV4S4-65B-R7

20-port sector antenna, 4x 617-894, 8x 1695-2690 MHz 65° HPBW and 8x 3300-3800 MHz, 90° HPBW, 7x RET

| General Specifications | |
|--|---|
| Antenna Type | Sector and beamforming |
| Band | Multiband |
| Calibration Connector Interface | NALCO |
| Calibration Connector Quantity | 1 |
| Cable | 1/2" (1.27 in) |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting base |
| Performance Note | Outdoor design |
| Radiator Material | Aluminum or stainless |
| Reflector Material | Aluminum |
| RF Connector Interface | 4.3-10 Female / NALCO |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 8 |
| RF Connector Quantity, mid band | 8 |
| RF Connector Quantity, low band | 4 |
| RF Connector Quantity, total | 20 |
| Remote Electrical Tilt (RET) Information | |
| RET Hardware | CommsRET-12 |
| RET Interface | 8-pin D15 Female / 8-pin D15 Male |
| RET Interface Quantity | 1 female / 1 male |
| Input Voltage | 10-40 Vdc |
| Internal RET | High band (1) / Low band (2) / Mid band (2) |
| Power Consumption, active state, maximum | 5 W |
| Power Consumption, life state, maximum | 1 W |

FFV4S4-65B-R7

| Dimensions | |
|----------------------------------|---------------------|
| Width | 498 mm / 19.609 in |
| Depth | 157 mm / 6.181 in |
| Length | 2020 mm / 79.528 in |
| Net Weight, without mounting kit | 45 kg / 99.2 lb |
| TDO Column Spacing | 42 mm / 1.654 in |

3 COMMSCOPE ANTENNA SPEC. SHEET
SCALE: N.T.S.

RADIO 8843 – B2 + B66A (PREV 4443)
4TX 4RX PER BAND

- 8 antenna ports, 4TX/4RX for 2 bands with separate RF ports
- Up to 320W RF Power shared between 2 bands
 - Examples:
 - 4x40W on each band or
 - 4x20W on B2 and 4x60W on Band 66A
 - 2x60W on Band 2 and 2x60W on Band 66A
- Carrier Capacity:
 - Up to 24 carrier and up to 60+70 MHz OBW for LTE
- 2x 10Gbps CPRI
- Size and Weight:

| Radio 8843 - B2 & B66A | Height | Width | Depth | Weight |
|------------------------|----------------|------------------|------------------|-------------------|
| no protruding items | 15 in (380 mm) | 13.2 in (335 mm) | 11.3 in (282 mm) | 75 lbs (34.02 Kg) |
| w protruding items | 16 in (405 mm) | 13.2 in (335 mm) | 11.3 in (287 mm) | |

- 48 VDC
- 2xTBD fuse (2 power connectors, 2 or 3 wire)
- AISG TMA & RET support (2 Bias-T, 1 ALD port)
- Type 4.3-10 RF connectors
- 2 external alarms
- IP 65, -40 to +55°C

RADIO 8843



Portrait Mount Only

6 ERICSSON RADIO SPEC. SHEET
SCALE: N.T.S.

| LOAD CENTER | | | | | | | | | | | | | | | 100 AMP MAIN 100 AMP BUS | | | |
|---------------------|---------|-----------|-------------|-------------|---------------|-------------|---------------|-----------|-------------|-------------|-------------|---------|------|---------------------|-----------------------------|--|--------------|--|
| 120/240V, 1PH, 3W | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | WATTAGE | | L T S | R E C | C B P/A | C R C | C B P/A | | M S C | R E C | L T S | WATTAGE | | DESCRIPTION | | | | |
| | A | B | | | | | A | B | | | | A | B | | | | | |
| SPACE | - | - | | - | - | 1 | 2 | 1/20 | 1 | | | 1000 | - | (E) FLEX. PRISM CAB | | | | |
| (E) ALPHA PWE-4 | | 1920 | | - | 1 | 1/20 | 3 | 4 | 1/20 | 1 | | | 1000 | 8843 RRUS | | | | |
| STREETMACRO 6701 | 700 | - | | 1 | 1/20 | 5 | 6 | - | - | | | - | - | SPACE | | | | |
| SPACE | | - | | - | - | 7 | 8 | - | - | | | - | - | SPACE | | | | |
| WATTS | | A = 1,700 | | | | | | B = 2,920 | | | | | | | | | | |
| TOTAL WATTS = 4,620 | | | | | | | | | | | | | | | AMPS = 19.3 | | WITH LCL N/A | |

9 LOAD CENTER
SCALE: N.T.S.

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LEAF COMMUNICATIONS



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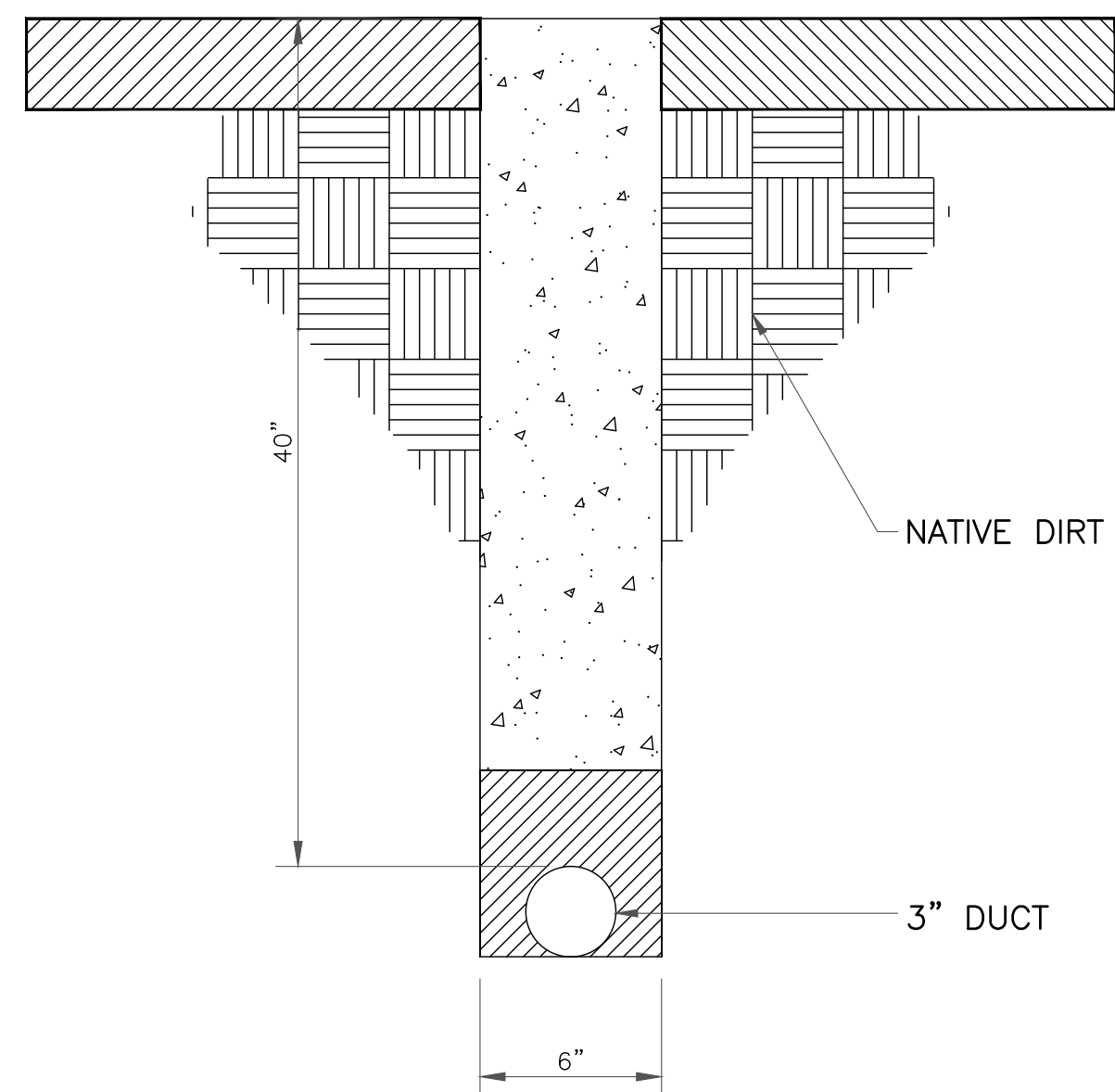
SHEET TITLE:
EQUIPMENT DETAILS

SHEET NUMBER:

D-1

REV:

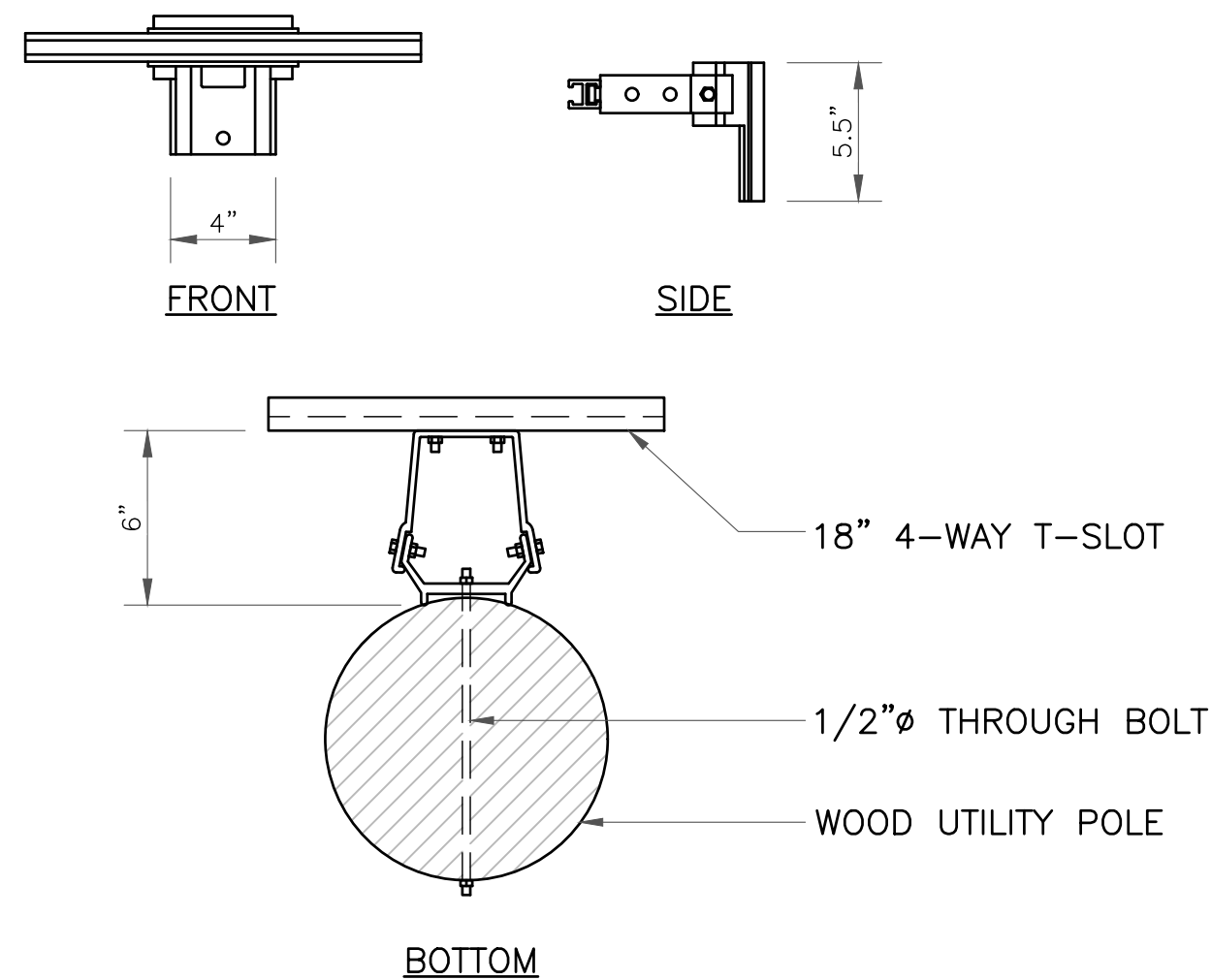
6



* TRENCH TO BE BACK FILL WITH
NATIVE MATERIAL & COMPACTED
TO 90% OR BETTER & REPLACE
LANDSCAPING IN KIND.

1 TRENCH DETAIL
SCALE: N.T.S.

| SPECIFICATIONS | |
|--------------------|-----------------------------|
| DIMENSIONS (HXWxD) | 5.5"x4"x6" |
| WEIGHT | 4.5 LBS |
| MANUFACTURER | HUBBELL POWER SYSTEMS |
| MODEL | C6CS018 (OR APPROVED EQUAL) |



2 6" RISER STAND OFF SPECS.
SCALE: N.T.S.



CAUTION

Keep Back ____ FT From
this Antenna. FCC RF Public
Exposure Limits May Be
Exceeded Within This Distance.
Call 888-632-0931 for Instructions.
Qualified Workers:
FCC Occupational Limits May Be
Exceeded Within This Distance.

Site ID # _____

REV. A

3

RF WARNING SIGN
SCALE: N.T.S.



NOTICE

POLE WORKERS

There is an antenna operation
high on this pole. Please follow
guidance on signs near the antenna or
call the number below.

Site ID # _____

 CROWN CASTLE 888-632-0931

REV. A

4

RF WARNING SIGN
SCALE: N.T.S.

 **CROWN
CASTLE**
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 **LEAF**
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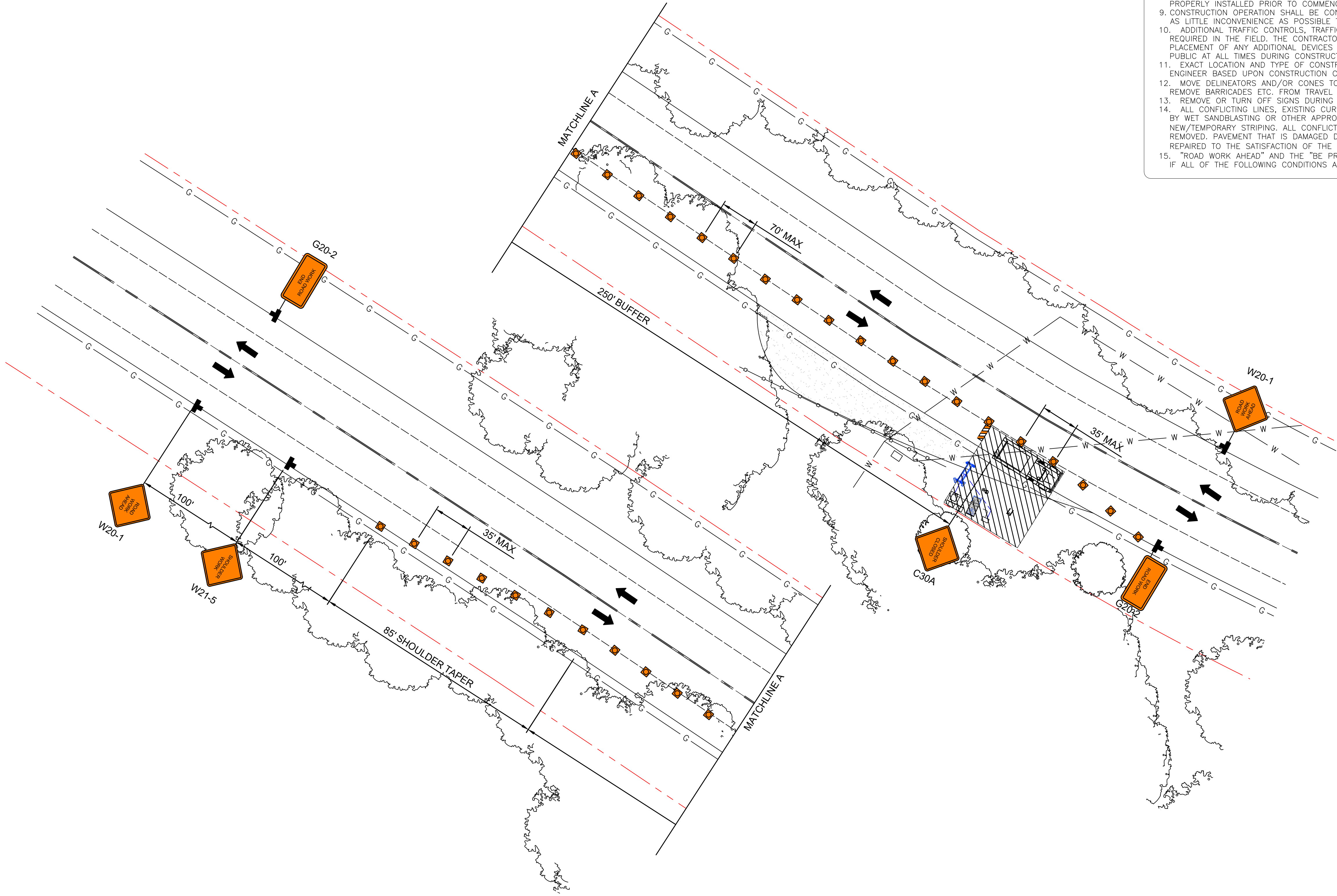
D-2

REV:

6

GENERAL NOTES:
A. WORK OPERATIONS ARE 60 MINUTES OR LESS
B. SPEED LIMIT IS 45 MPH OR LESS
C. NO SIGHT OBSTRUCTIONS TO VEHICLES APPROACHING THE WORK AREA FOR A DISTANCE EQUAL TO THE BUFFER SPACE
D. VEHICLES IN THE WORK AREA HAVE HIGH-INTENSITY, ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS OPERATING
E. VOLUME AND COMPLEXITY OF THE ROADWAY HAVE BEEN CONSIDERED

GENERAL NOTES:
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) 2016 EDITION.
2. ALL STRINGS AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA, STANDARD PLANS AND SPECIFICATIONS, INCLUDING STANDARD PLAN A-20, DETAILS.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK AREA OVERNIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE, IF USED DURING NIGHT-TIME HOURS.
7. THE CONTRACTOR SHALL MAINTAIN ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. CONSTRUCTION OPERATION SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS.
10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS, OR BARRICADING MAY BE REQUIRED IN THE FIELD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC. FROM TRAVEL LANE.
13. REMOVE OR TURN OFF SIGNS DURING NON-WORK HOURS.
14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKING SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
15. "ROAD WORK AHEAD" AND THE "BE PREPARED TO STOP" SIGNS MAY BE OMITTED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:



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SHEET TITLE:
TRAFFIC CONTROL PLAN

SHEET NUMBER:
TCP-1

REV:
6