



**COUNTY OF MENDOCINO**  
**DEPARTMENT OF PLANNING AND BUILDING SERVICES**  
860 NORTH BUSH STREET • UKIAH • CALIFORNIA • 95482  
120 WEST FIR STREET • FT. BRAGG • CALIFORNIA • 95437

BRENT SCHULTZ, DIRECTOR  
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FB PHONE: 707-964-5379  
FB FAX: 707-961-2427  
pbs@mendocinocounty.org  
www.mendocinocounty.org/pbs

February 13, 2020

Department of Transportation  
Environmental Health - Ukiah  
Building Inspection - Ukiah  
County Addresser

Assessor  
Air Quality Management  
CalFire - Prevention  
Hopland Municipal Advisory Council

Sanel Valley Fire District  
Cloverdale Rancheria  
Redwood Valley Rancheria  
Sherwood Valley Band of Pomo Indians

**CASE#:** AP\_2020-0003

**DATE FILED:** 1/17/2020

**OWNER:** VIRGINIA MEADOWS

**APPLICANT:** VERIZON

**AGENT:** CROWN CASTLE - ANTHONY RHEE

**REQUEST:** Modification of an existing wireless site with a 51 ft. Monopole by replacing six (6) existing antenna and installing six (6) RRHs.

**LOCATION:** 3± miles southwest of Hopland town center, lying on the north side of a private access easement, 1.5± miles southwest of its intersection with Mountain House Road (CR 110), addressed at 4655 Road 110, Hopland (APN: 049-240-25).

**ENVIRONMENTAL DETERMINATION:** Categorically Exempt

**SUPERVISORIAL DISTRICT:** 5

**STAFF PLANNER:** JESSE DAVIS

**RESPONSE DUE DATE:** February 27, 2020

**PROJECT INFORMATION CAN BE FOUND AT:**

<https://www.mendocinocounty.org/government/planning-building-services/public-agency-referrals>

Mendocino County Planning & Building Services is soliciting your input, which will be used in staff analysis and forwarded to the appropriate public hearing. You are invited to comment on any aspect of the proposed project(s). Please convey any requirements or conditions your agency requires for project compliance to the project coordinator at the above address, or submit your comments by email to [pbs@mendocinocounty.org](mailto:pbs@mendocinocounty.org). Please note the case number and name of the project coordinator with all correspondence to this department.

We have reviewed the above application and recommend the following (please check one):

- ☐ No comment at this time.
- ☐ Recommend conditional approval (attached).
- ☐ Applicant to submit additional information (attach items needed, or contact the applicant directly, copying Planning and Building Services in any correspondence you may have with the applicant)
- ☐ Recommend denial (Attach reasons for recommending denial).
- ☐ Recommend preparation of an Environmental Impact Report (attach reasons why an EIR should be required).
- ☐ Other comments (attach as necessary).

**REVIEWED BY:**

Signature \_\_\_\_\_ Department \_\_\_\_\_ Date \_\_\_\_\_

CASE: AP\_2020-0003 (Verizon - Hopland)

**OWNER:** VIRGINIA MEADOWS TTEE

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**REQUEST:** Modification of an existing wireless site with a 51 ft. Monopole by replacing six (6) existing antenna and installing six (6) RRHs.

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**APN/S:** 049-240-25-00

**PARCEL SIZE:** 332 A±

**GENERAL PLAN:** Rangeland, 160 Acre Minimum Parcel Size, (RL160)

**ZONING:** Division 1, Rangeland Zoning District, 160 Acre Minimum Parcel Size (RL:160)

**EXISTING USES:** Wireless Communication Facility (WCF)

**DISTRICT:** 5<sup>th</sup> District (Williams)

**RELATED CASES:** Use Permit (**U 22-98**); Use Permit (**U 15-2002**); Use Permit (**U 29-2003**); Use Permit Modification (**UM 15-2002/2009**); Use Permit Modification (**UM 15-2002/2010**); Use Permit Modification (**UM 15-2002/2010 (2)**); Use Permit Modification (**UM 15-2002/2012**); Administrative Permit (**AP 7-2014**); Use Permit Modification (**UM 29-2003/2014**); Administrative Permit (**AP\_2016-0023**); Administrative Permit (**AP\_2017-0038**); Administrative Permit (**AP\_2017-0050**)

	<u>ADJACENT GENERAL PLAN</u>	<u>ADJACENT ZONING</u>	<u>ADJACENT LOT SIZES</u>	<u>ADJACENT USES</u>
<b>NORTH:</b>	RL 160	RL 160	18.87 A±; 320 A±	Rangeland
<b>EAST:</b>	RL 160	RL 160	80 A±	Rangeland
<b>SOUTH:</b>	RL 160	RL 160	80 A±; 160 A±	Rangeland
<b>WEST:</b>	RL 160	RL 160	97 A±	Rangeland

REFERRAL AGENCIES

<b><u>LOCAL</u></b> <input checked="" type="checkbox"/> Air Quality Management District <input checked="" type="checkbox"/> Assessor’s Office <input checked="" type="checkbox"/> Building Division (Ukiah) <input checked="" type="checkbox"/> County Addresser <input checked="" type="checkbox"/> Department of Transportation (DOT) <input checked="" type="checkbox"/> Environmental Health (Ukiah)	<input checked="" type="checkbox"/> Sanel Valley Fire District <input checked="" type="checkbox"/> Hopland MAC  <b><u>STATE</u></b> <input checked="" type="checkbox"/> CALFIRE (Land Use)	<b><u>TRIBAL</u></b> <input checked="" type="checkbox"/> Cloverdale Rancheria <input checked="" type="checkbox"/> Redwood Valley Rancheria <input checked="" type="checkbox"/> Sherwood Valley Band of Pomo Indians
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**ADDITIONAL INFORMATION:** N/A

**STAFF PLANNER:** JESSE DAVIS **DATE:** 1/30/2020

ENVIRONMENTAL DATA

1. MAC:

GIS

Hopland

2. FIRE HAZARD SEVERITY ZONE:

CALFIRE FRAP maps/GIS

High

3. FIRE RESPONSIBILITY AREA:

CALFIRE FRAP maps/GIS

CALFIRE

4. FARMLAND CLASSIFICATION:

GIS

Grazing (G)

5. FLOOD ZONE CLASSIFICATION:

FEMA Flood Insurance Rate Maps (FIRM)

N/A

6. COASTAL GROUNDWATER RESOURCE AREA:

Coastal Groundwater Study/GIS

N/A

7. SOIL CLASSIFICATION:

Mendocino County Soils Study Eastern/Western Part

Eastern Soils Classification (160)

8. PYGMY VEGETATION OR PYGMY CAPABLE SOIL:

LCP maps, Pygmy Soils Maps; GIS

N/A

9. WILLIAMSON ACT CONTRACT:

GIS/Mendocino County Assessor's Office

NO

10. TIMBER PRODUCTION ZONE:

GIS

NO

11. WETLANDS CLASSIFICATION:

GIS

N/A

12. EARTHQUAKE FAULT ZONE:

Earthquake Fault Zone Maps; GIS

NO

13. AIRPORT LAND USE PLANNING AREA:

Airport Land Use Plan; GIS

N/A

14. SUPERFUND/BROWNFIELD/HAZMAT SITE:

GIS; General Plan 3-11

N/A

15. NATURAL DIVERSITY DATABASE:

CA Dept. of Fish & Wildlife Rarefind Database/GIS

N/A

16. STATE FOREST/PARK/RECREATION AREA ADJACENT:

GIS; General Plan 3-10

N/A

17. LANDSLIDE HAZARD:

Hazards and Landslides Map; GIS; Policy RM-61; General Plan 4-44

N/A

18. WATER EFFICIENT LANDSCAPE REQUIRED:

Policy RM-7; General Plan 4-34

N/A

19. WILD AND SCENIC RIVER:

[www.rivers.gov](http://www.rivers.gov) (Eel Only); GIS

NO

20. SPECIFIC PLAN/SPECIAL PLAN AREA:

Various Adopted Specific Plan Areas; GIS

N/A

21. STATE CLEARINGHOUSE REQUIRED:

Policy

N/A

22. OAK WOODLAND AREA:

USDA

N/A

23. HARBOR DISTRICT:

Sec. 20.512

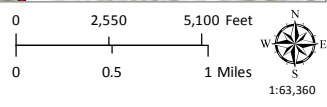
NO





CASE: AP 2020-0003  
OWNER: MEADOWS, Virginia  
APN: 049-240-26  
APLCT: Crown Castle  
AGENT: Anthony Rhee  
ADDRESS: 4655 Road 110, Hopland

- Major Towns & Places
- Major Rivers
- Highways



LOCATION MAP

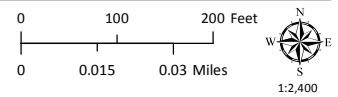




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Wireless Sites



AERIAL IMAGERY



047-100-48  
EUGENE TOSCHI  
RL 160 320 A±

047-100-29  
EUGENE TOSCHI  
RL 160 0 A±

049-240-17  
HELEN SHAPIRO  
RL 160 18.87 A±

049-360-37  
CARL SHAPIRO  
RL 160 80 A±

049-240-25  
VIRGINIA MEADOWS  
4647 RD 110  
RL 160 332.65 A±


049-240-26  
VIRGINIA MEADOWS  
4655 RD 110  
RL 160 0 A±

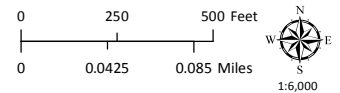
049-240-31  
MARK EGAN  
5675 SOLACE SPRINGS RD  
RL 160 80 A±

049-360-50  
MARK EGAN  
RL 160 89.71 A±

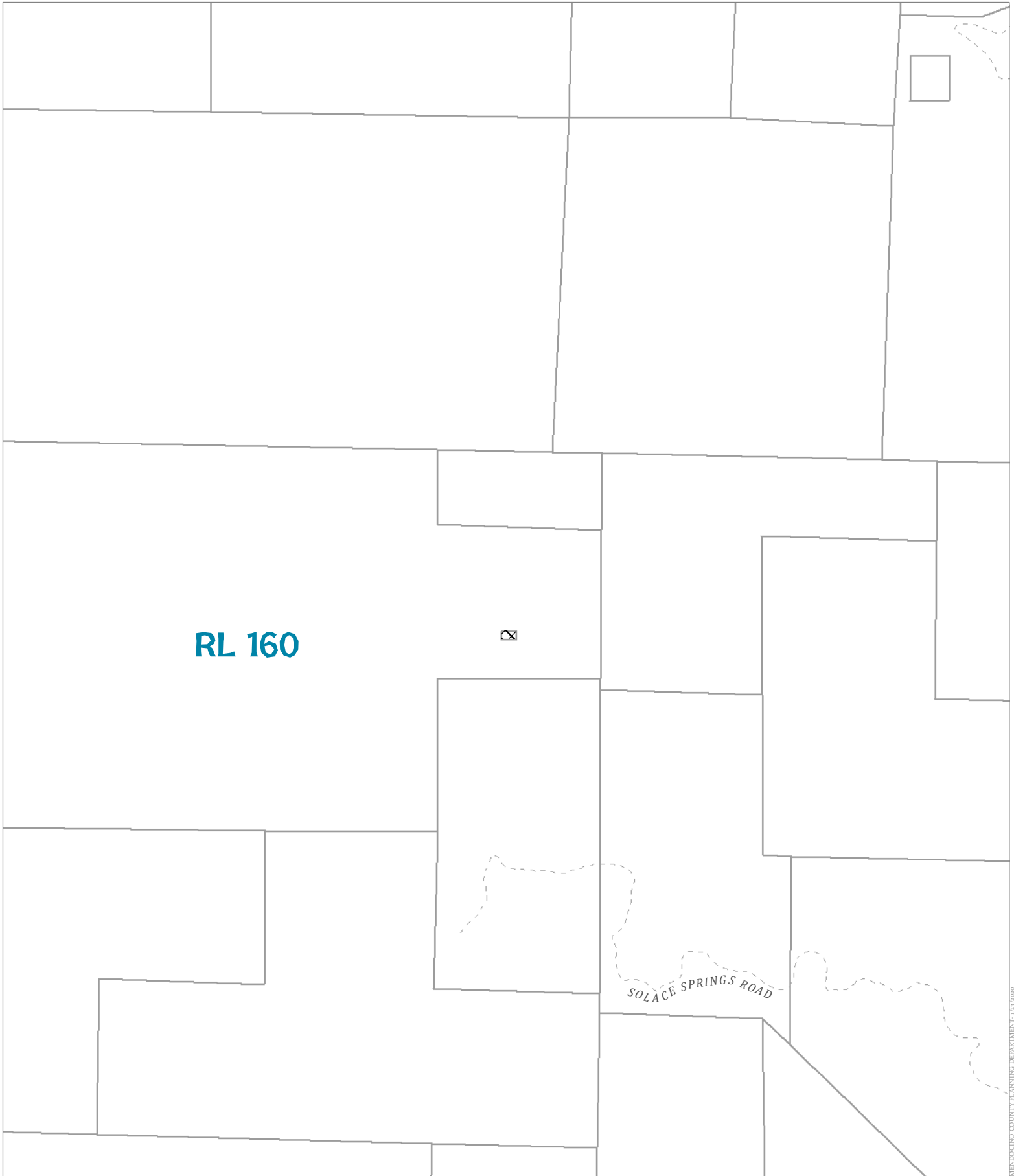
049-240-30  
GREGORY ETCHELL  
19380 MOUNTAIN HOUSE RD  
RL 160 160 A±

CASE: AP 2020-0003  
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 Assessors Parcels

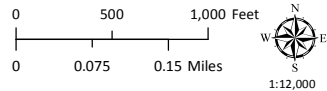


ADJACENT PARCELS

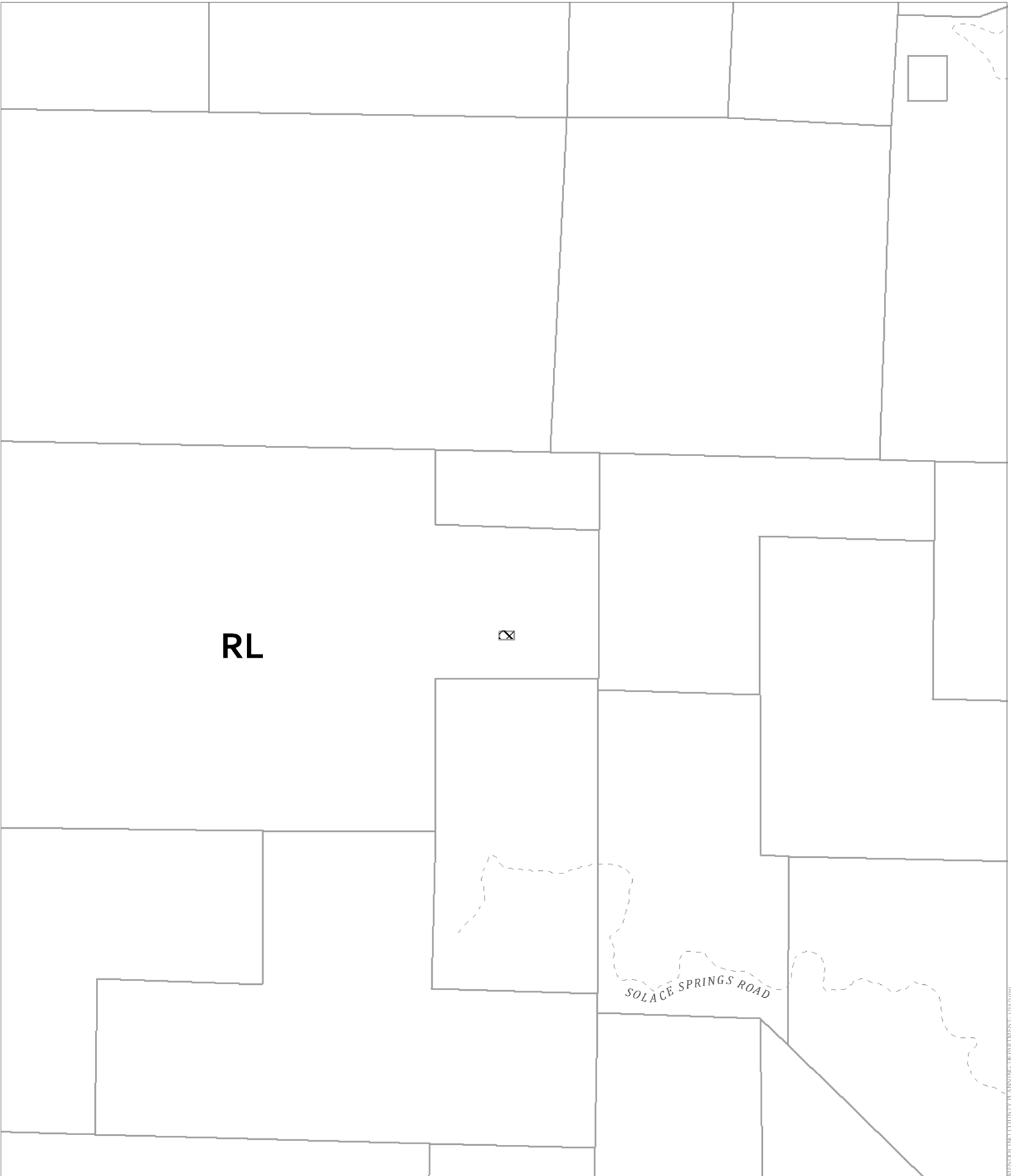


CASE: AP 2020-0003  
OWNER: MEADOWS, Virginia  
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 General Plan Classes  
 Assessors Parcels

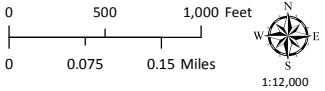


GENERAL PLAN CLASSIFICATIONS



CASE: AP 2020-0003  
OWNER: MEADOWS, Virginia  
APN: 049-240-26  
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ADDRESS: 4655 Road 110, Hopland

 Zoning Districts  
 Assessors Parcels



ZONING DISPLAY MAP



NEW VERIZON EQUIPMENT  
(6) RRHS  
(6) ANTENNAS  
MOUNTED TO EXISTING MOUNTS

VERIZON EQUIPMENT  
ANTENNA CL: 54'-0"  
MOUNT CL: 54'-0"

(E) VERIZON EQUIPMENT TO REMAIN  
(3) DUMMY ANTENNAS  
(3) OMNI ANTENNAS

(E) OTHER ANTENNA TO REMAIN  
(TYP.)

(E) VERIZON FEEDLINES REMAINING  
(18) COAX CABLES (7/8")  
(E) 51'-0" MONOPOLE

EXISTING T.O. APPURTENANCE  
ELEV. = 61'-6"

EXISTING VERIZON RAD CENTER  
ELEV. = 54'-0"

HEIGHT OF STRUCTURE  
ELEV. = 51'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 47'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 42'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 40'-0"

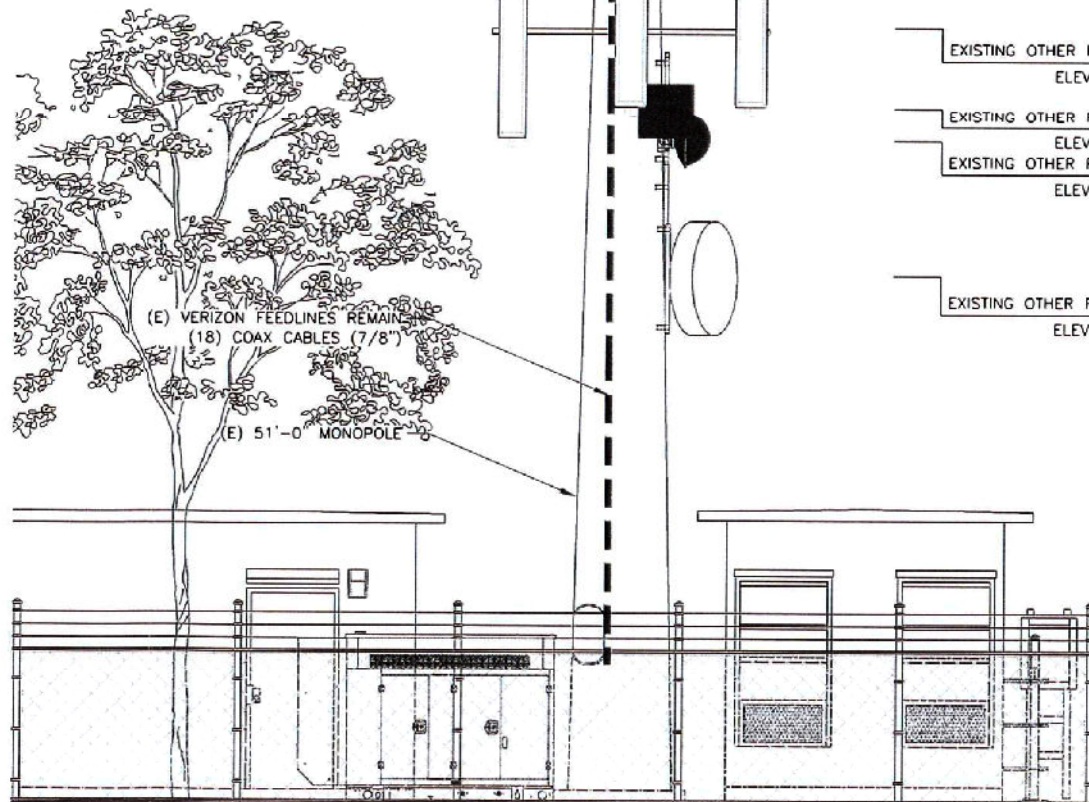
EXISTING OTHER RAD CENTER  
ELEV. = 36'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 27'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 24'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 23'-0"

EXISTING OTHER RAD CENTER  
ELEV. = 18'-0"



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ADDRESS: 4655 Road 110, Hopland

NO SCALE

PROPOSED ELEVATIONS





VERIZON SITE NUMBER: 116274

VERIZON SITE NAME: HOPLAND

SITE TYPE: MONOPOLE

TOWER HEIGHT: 51'-0"

BUSINESS UNIT #: 814998

SITE ADDRESS: 4655 ROAD 110  
HOPLAND, CA 95449

COUNTY: MENDOCINO

JURISDICTION: CITY OF MENDOCINO

VERIZON 15216645



VERIZON SITE NUMBER:  
116274

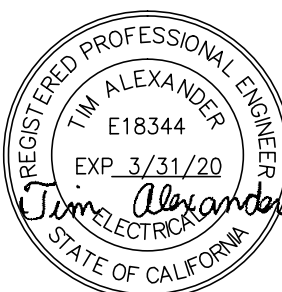
BU #: 814998  
HOPLAND

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/03/19	AK	PRELIMINARY	CW
0	01/24/20	AW	SUBMITTAL	CW



SIGNED, 24 JAN 2020

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 NUMBER:

T-1

REVISION:

0

SITE INFORMATION

SITE NAME: HOPLAND  
SITE ADDRESS: 4655 ROAD 110  
HOPLAND, CA 95449  
COUNTY: MENDOCINO  
MAP/PARCEL #: 049-240-26  
AREA OF CONSTRUCTION: EXISTING  
LATITUDE: 38° 55' 53.00"  
LONGITUDE: -123° 8' 34.01"  
LAT/LONG TYPE: NAD83  
CURRENT ZONING: N/A  
JURISDICTION: CITY OF MENDOCINO  
OCCUPANCY CLASSIFICATION: U  
TYPE OF CONSTRUCTION: IIB  
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION  
PROPERTY OWNER: TRUSTEE OF VIRGINIA MEADOWS  
1651 MADRONE DRIVE  
UKIAH CA 95482  
TOWER OWNER: CROWN CASTLE  
2000 CORPORATE DRIVE  
CANONSBURG, PA 15317  
APPLICANT/CARRIER: VERIZON  
126 W. GEMINI DRIVE  
TEMPE, AZ 85283  
CROWN CASTLE USA INC.  
APPLICATION ID: 508506  
ELECTRIC PROVIDER: PACIFIC GAS & ELECTRIC  
800-743-5000  
TELCO PROVIDER: N/A  
N/A

PROJECT TEAM

TELCYTE A&E FIRM: TELCYTE INFRASTRUCTURE SERVICES  
3450 N. HIGLEY ROAD  
SUITE 102, MESA, AZ 85215  
CWOLFE@TELCYTE.COM

CROWN CASTLE USA INC. DISTRICT CONTACTS:

1 PARK PLACE, SUITE 300  
DUBLIN, CA 94568

STACIE ESPISIT - PROJECT MANAGER  
925-864-2272

GARY HORACE - CONSTRUCTION MANAGER  
925-737-1068

MAYSON DAVIS - A&E PROJECT MANAGER  
480-258-8249

VERIZON CONTACTS: WENDY SCHWIMER - PROJECT MANAGER

LORRAINE DAVIES - REAL ESTATE SPECIALIST  
MARCI BRAWLEY - CONSTRUCTION MANAGER

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	OVERALL SITE PLAN
C-1.2	SITE PLAN
C-2.1	EXISTING AND FINAL ELEVATIONS
C-2.2	EXISTING AND FINAL ELEVATIONS
C-3	EXISTING AND FINAL EQUIPMENT LAYOUTS
C-4	DETAILS
C-5	DETAILS
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34.  
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.

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO PROPOSE AN ANTENNA  
MODIFICATION ON AN EXISTING WIRELESS SITE.  
TOWER

- REMOVE (6) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (6) ANTENNAS

DESIGN PACKAGE BASED ON APPLICATION  
ID: 508506  
REVISION: 0

APPROVALS

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

	PRINT NAME	SIGNATURE	DATE
INTERNAL REVIEW	_____	_____	_____
CONSTRUCTION SIGNATURE	_____	_____	_____
RF SIGNATURE	_____	_____	_____
REAL ESTATE SIGNATURE	_____	_____	_____

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (4502 10TH AVE HANFORD, CA 93230)

GET ON CA-99 N IN SELMA FOR 11.9 MI CONTINUE ON CA-99 N. TAKE I-205 W, I-580 W AND CA-92 W TO SAN BRUNO AVE IN SAN MATEO COUNTY.  
TAKE EXIT SAN BRUNO AVE FROM US-101 N FOR 202 MI FOLLOW SAN BRUNO AVE AND SAN MATEO AVE TO SHAW RD. TURN RIGHT ONTO SHAW  
RD, THE DESTINATION WILL BE ON THE RIGHT

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:

CODE TYPE	CODE
BUILDING	2016 IBC
MECHANICAL	2016 IMC
ELECTRICAL	2016 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: BY OTHERS

MOUNT ANALYSIS: BY OTHERS



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



SITE PHOTO:





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 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 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/TIA 1019 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA–1019 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.

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–  
SUBCONTRACTOR–  
CARRIER–  
TOWER OWNER–  
OEM–













GENERAL CONTRACTOR (CONSTRUCTION)  
VERIZON  
CROWN CASTLE  
ORIGINAL EQUIPMENT MANUFACTURER
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:

AGL ABOVE GRADE LEVEL  
BTS BASE TRANSCIEVER 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. HILTI 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 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 BUSHING 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 IUL 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 "VERIZON".
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 GROUNDED 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
240/120 1Ø	LEG 1	BLACK
	LEG 2	RED
AC NEUTRAL GROUND (EGC)	N	WHITE
	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)



VERIZON SITE NUMBER:  
**116274**

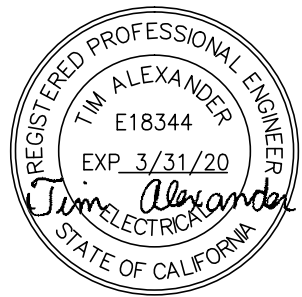
BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/03/19	AK	PRELIMINARY	CW
0	01/24/20	AW	SUBMITTAL	CW



SIGNED, 24 JAN 2020

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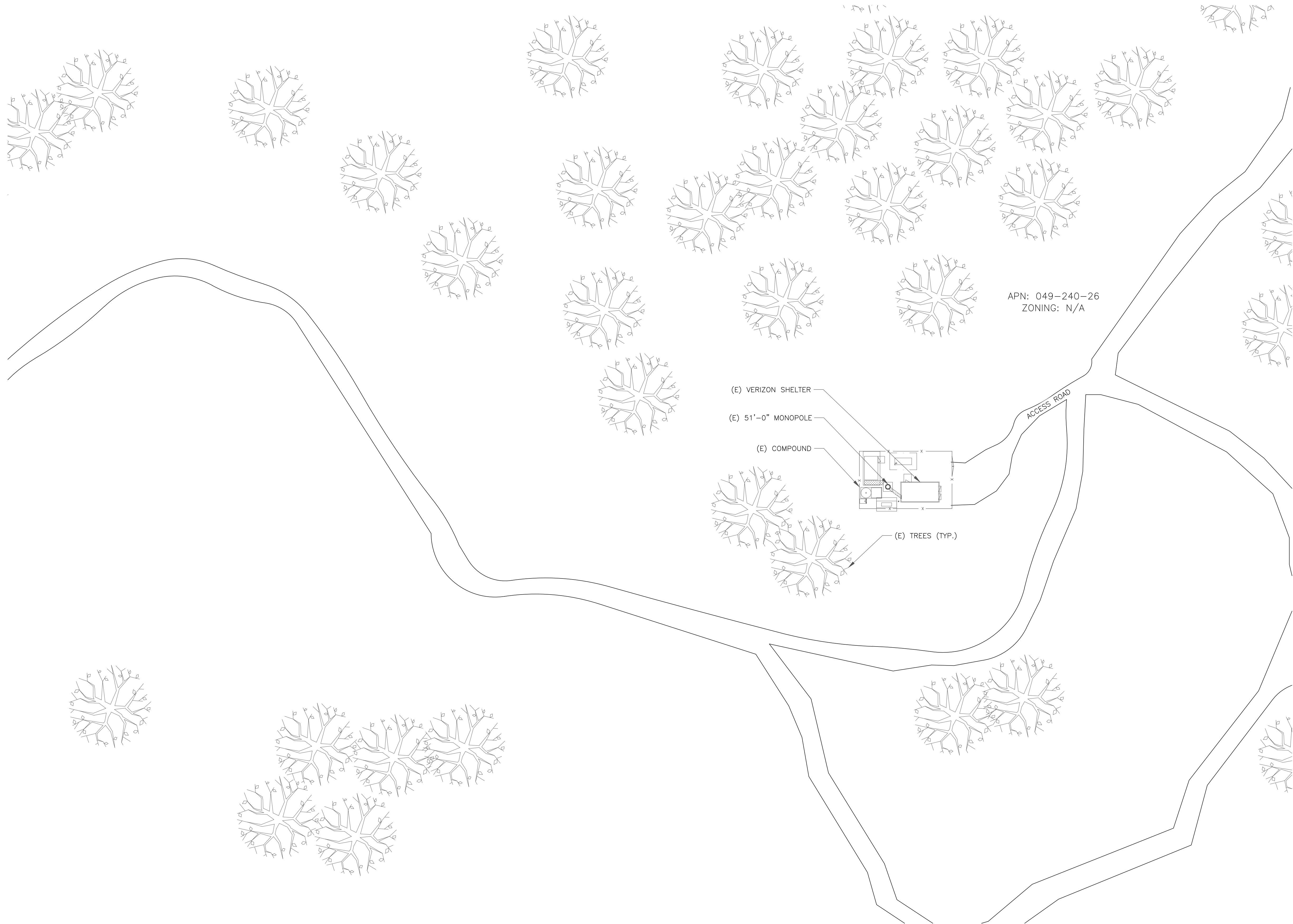
SHEET NUMBER:

**T-2**

REVISION:

**0**





1 OVERALL SITE PLAN  
SCALE: 1"=30'-0" (FULL SIZE)  
1"=60'-0" (11x17)



**verizon**  
4502 10TH AVE HANFORD,  
CA 93230

**CROWN  
CASTLE**

VERIZON SITE NUMBER:  
**116274**

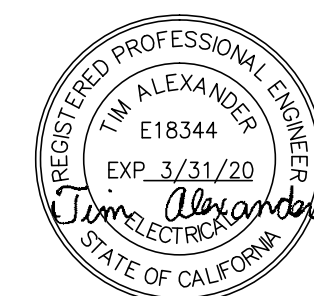
BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

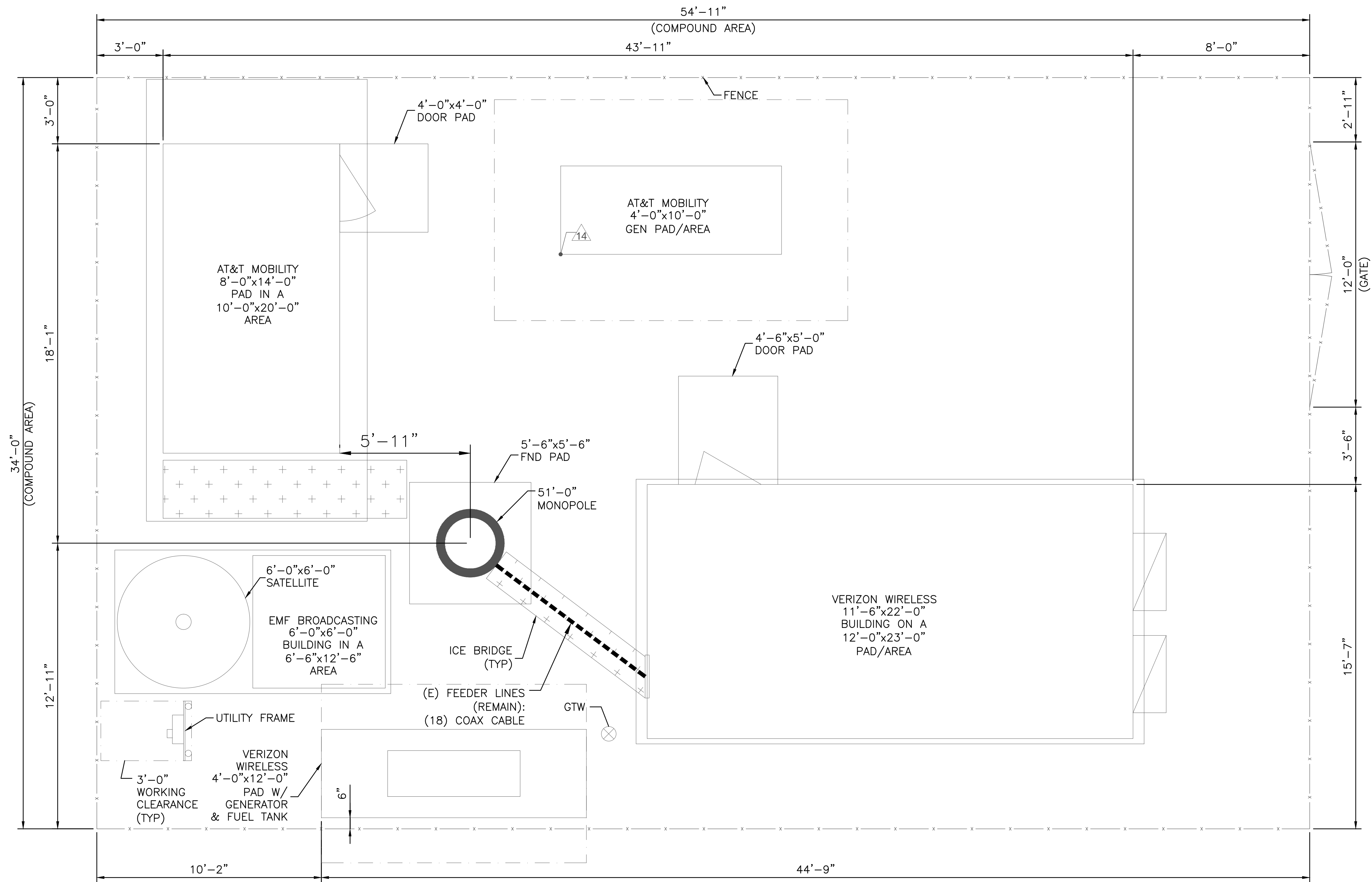
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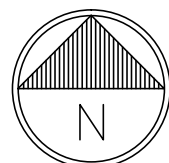
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1 SITE PLAN  
SCALE: 1/4"=1'-0" (FULL SIZE)  
1/8"=1'-0" (11x17)



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CA 93230

**CROWN  
CASTLE**

VERIZON SITE NUMBER:  
**116274**

BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

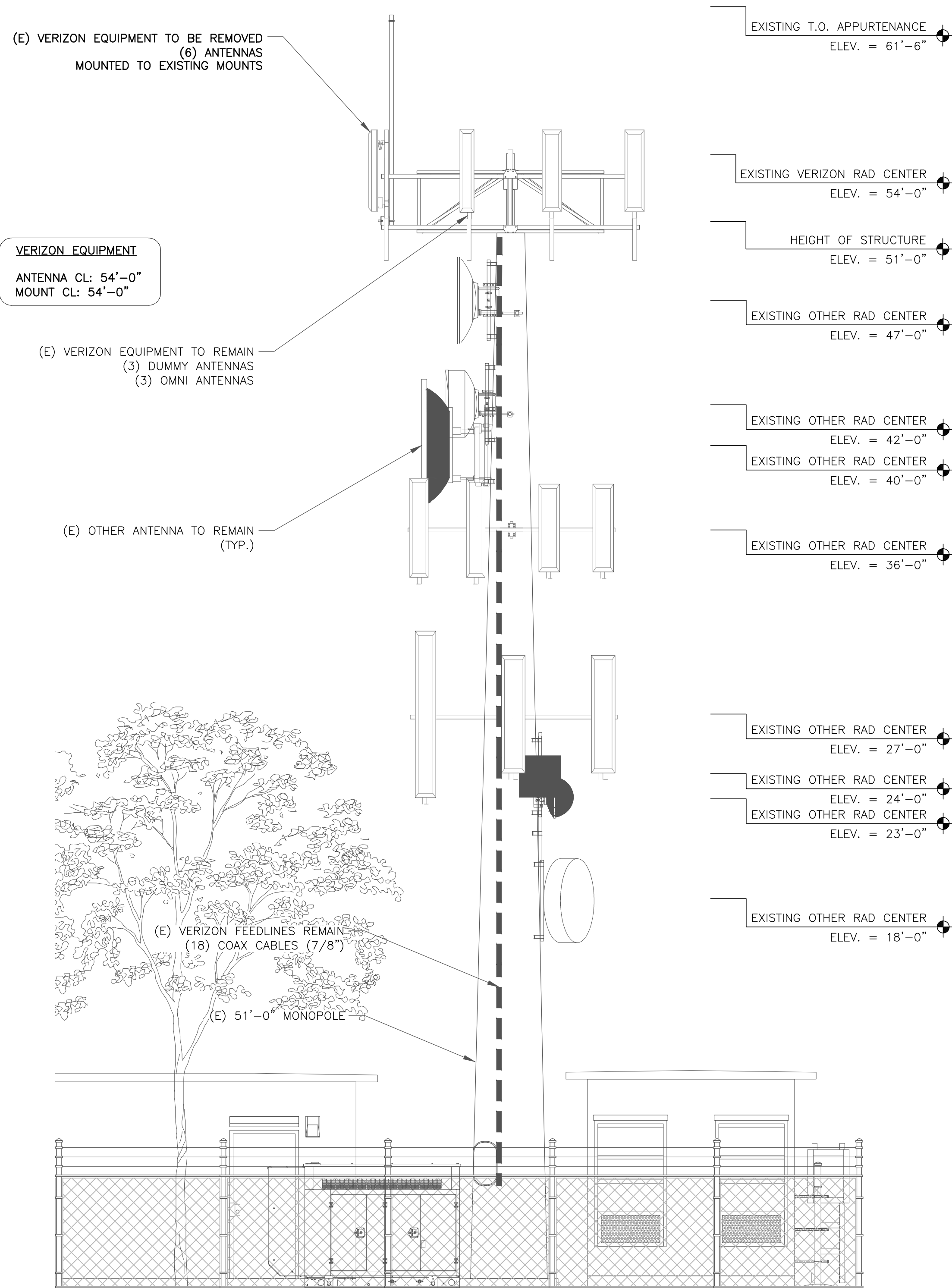
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/03/19	AK	PRELIMINARY	CW
0	01/24/20	AW	SUBMITTAL	CW

REGISTERED PROFESSIONAL ENGINEER  
JIM ALEXANDER  
E18344  
EXP. 3/31/20  
STATE OF CALIFORNIA  
SIGNED, 24 JAN 2020

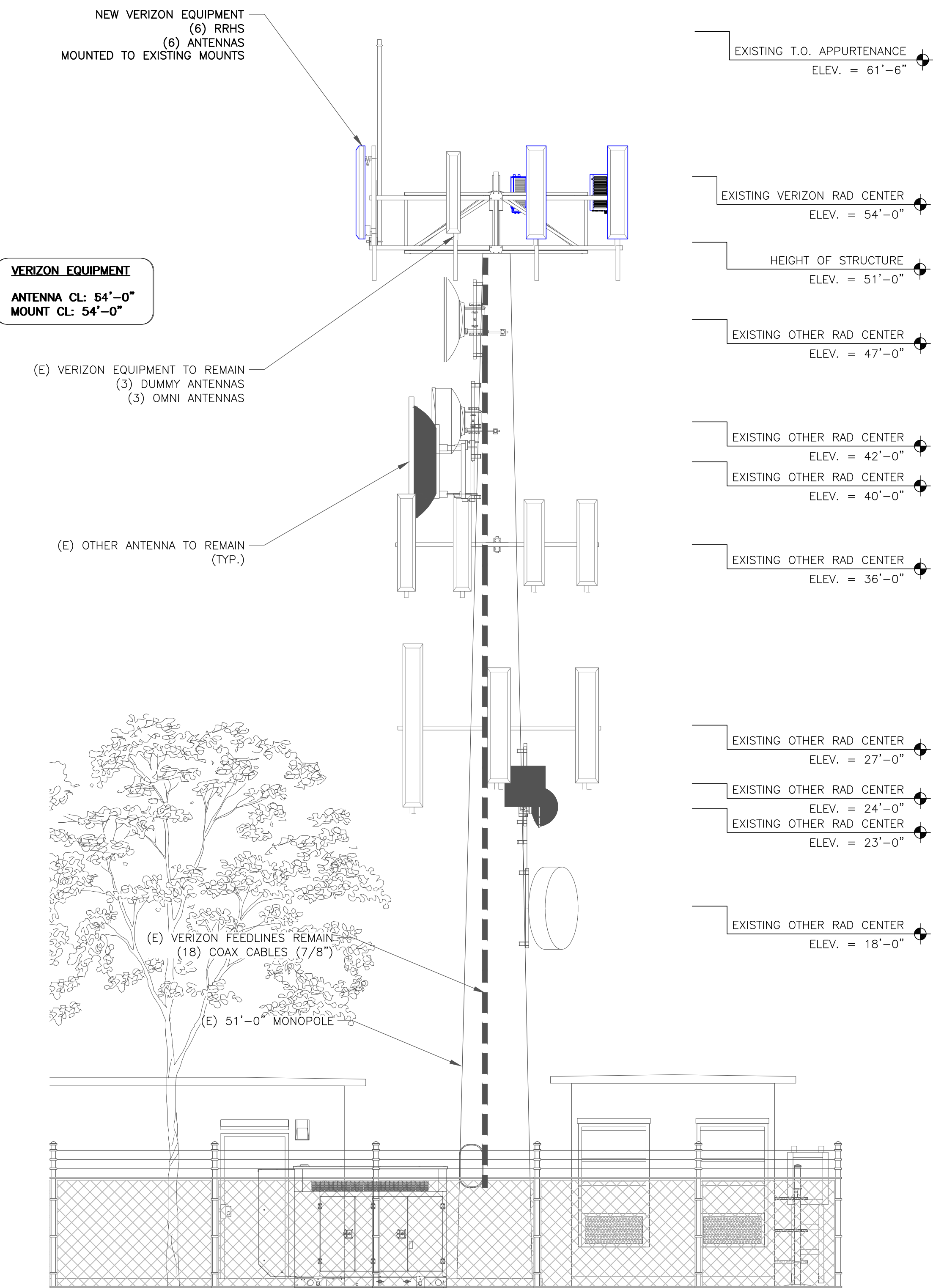
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1 EXISTING NORTH ELEVATION  
SCALE: NOT TO SCALE



2 FINAL NORTH ELEVATION  
SCALE: NOT TO SCALE

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CA 93230

**CROWN  
CASTLE**

VERIZON SITE NUMBER:  
**116274**

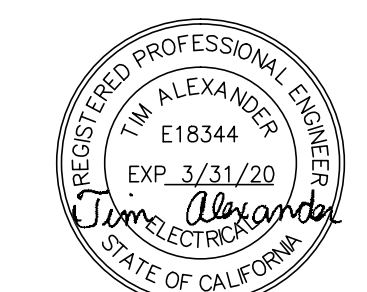
BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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0	01/24/20	AW	SUBMITTAL	CW

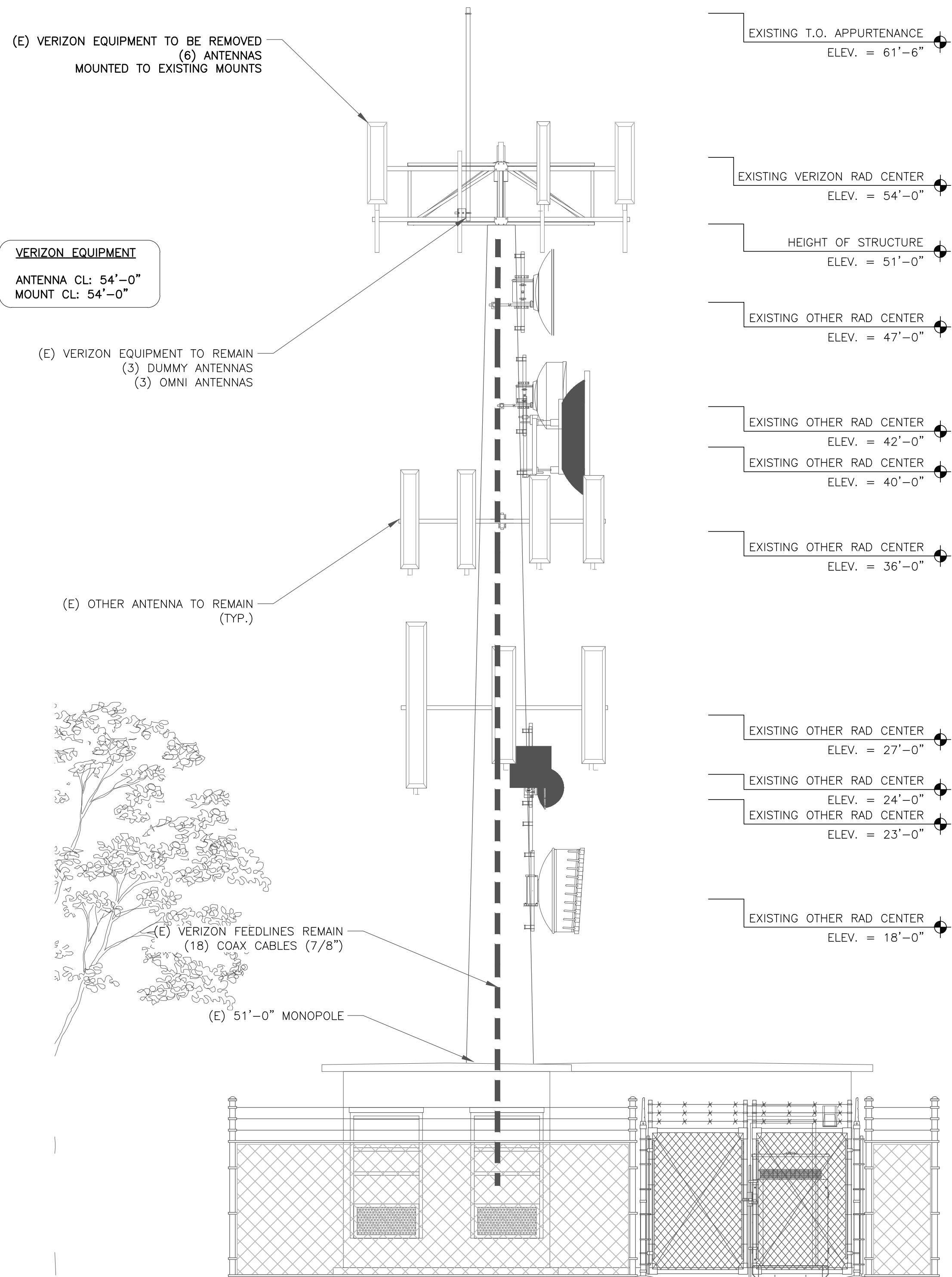


SIGNED, 24 JAN 2020

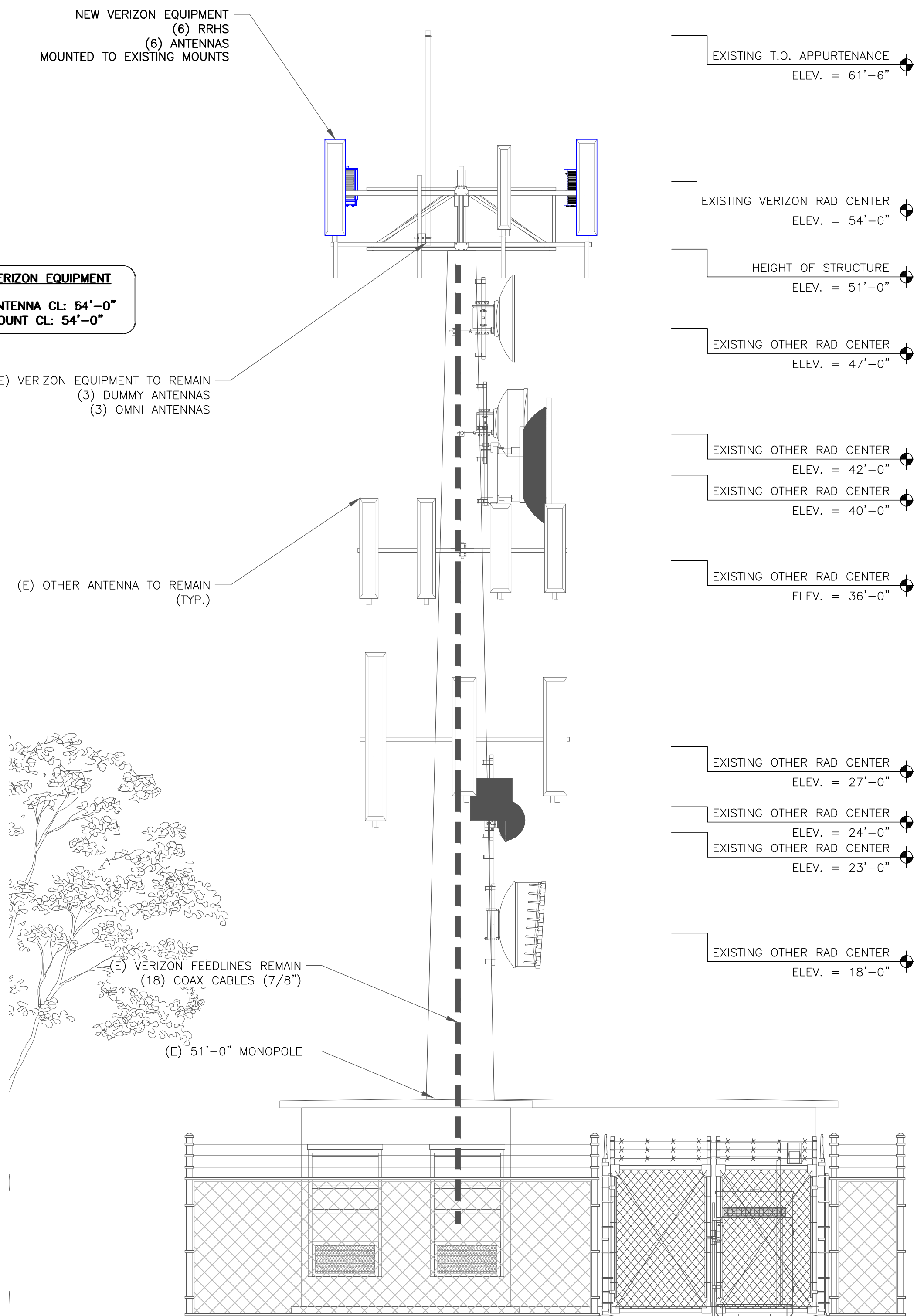
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1 EXISTING EAST ELEVATION  
SCALE: NOT TO SCALE



2 FINAL EAST ELEVATION  
SCALE: NOT TO SCALE

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CA 93230

**CROWN  
CASTLE**

VERIZON SITE NUMBER:  
**116274**

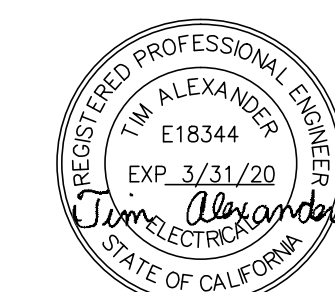
BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

**ISSUED FOR:**

REV	DATE	DRWN	DESCRIPTION	DES./QA
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0	01/24/20	AW	SUBMITTAL	CW

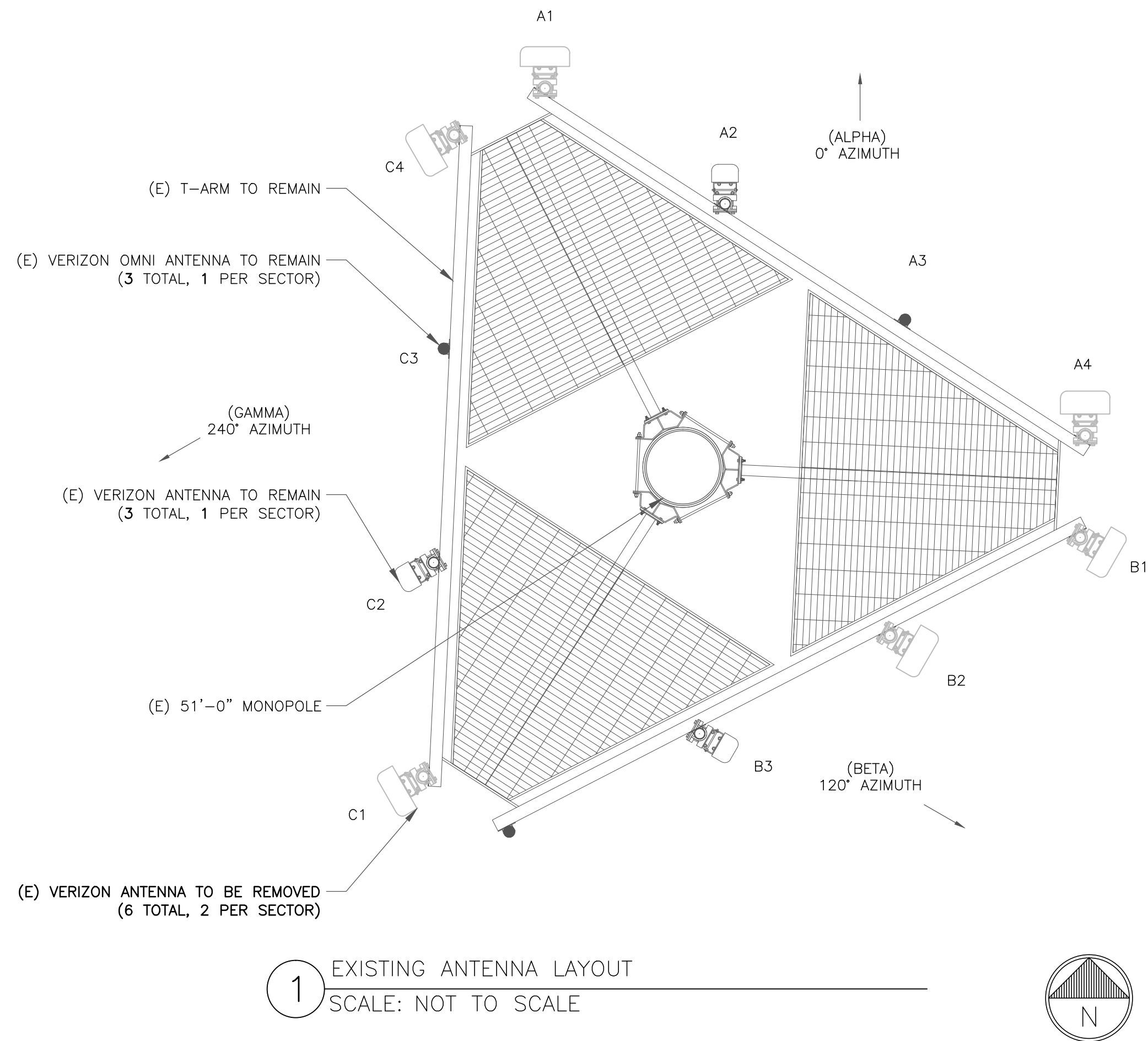


SIGNED, 24 JAN 2020

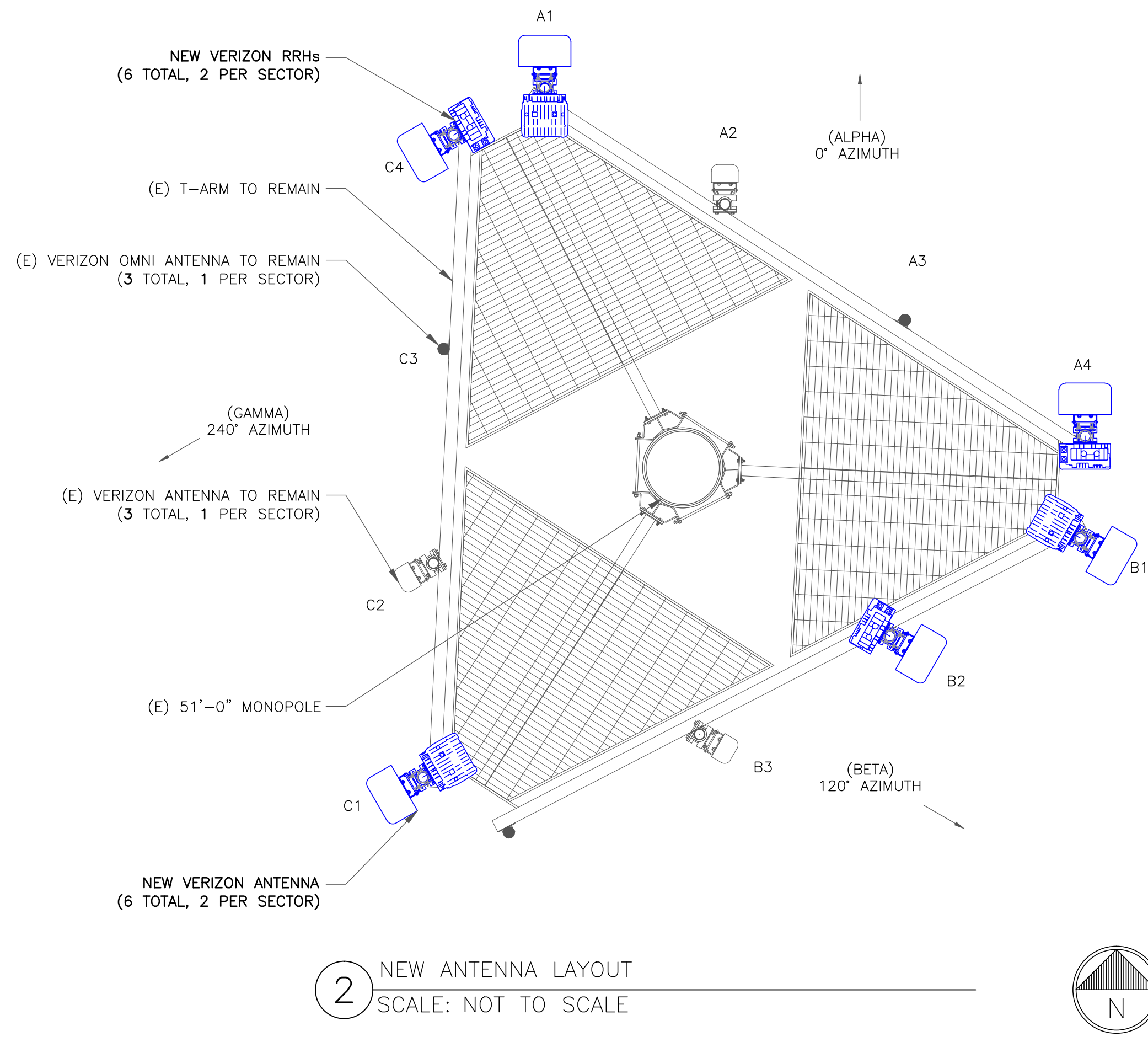
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SHEET NUMBER: **C-2.2** REVISION: **0**





1 EXISTING ANTENNA LAYOUT  
SCALE: NOT TO SCALE



2 NEW ANTENNA LAYOUT  
SCALE: NOT TO SCALE

ANTENNA SCHEDULE									
SECTOR	POS.	RAD CENTER	AZIMUTH	ANTENNA TYPE	ANTENNA DIMENSION	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	54'-0"	0°	NEW ANTENNA	55.6"x11.9"x7.1"	0°	2°	(N) (1) RRH	COAX
ALPHA	A2	54'-0"	0°	EXISTING ANTENNA	48.75"x6.06"x3.15"	0°	2°	—	—
ALPHA	A3	54'-0"	0°	EXISTING OMNI ANTENNA	—	0°	0°	—	—
ALPHA	A4	54'-0"	0°	NEW ANTENNA	55.6"x11.9"x7.1"	0°	2°	(N) (1) RRH	COAX
BETA	B1	54'-0"	120°	NEW ANTENNA	55.6"x11.9"x7.1"	0°	1°	(N) (1) RRH	COAX
BETA	B2	54'-0"	120°	NEW ANTENNA	55.6"x11.9"x7.1"	0°	1°	(N) (1) RRH	COAX
BETA	B3	54'-0"	120°	EXISTING ANTENNA	48.75"x6.06"x3.15"	0°	1°	—	—
BETA	B4	54'-0"	120°	EXISTING OMNI ANTENNA	—	0°	0°	—	—
GAMMA	C1	54'-0"	240°	NEW ANTENNA	55.6"x11.9"x7.1"	0°	0°	(N) (1) RRH	COAX
GAMMA	C2	54'-0"	240°	EXISTING OMNI ANTENNA	—	0°	0°	—	—
GAMMA	C3	54'-0"	240°	EXISTING ANTENNA	48.75"x6.06"x3.15"	0°	0°	—	—
GAMMA	C4	54'-0"	240°	NEW ANTENNA	55.6"x11.9"x7.1"	0°	0°	(N) (1) RRH	COAX

3 ANTENNA SCHEDULE  
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRHs RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING.
2. DO NOT OPEN RRH PACKAGES IN THE RAIN.
3. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

VERIZON RRH AND HARDWARE SUPPLIED BY MANUFACTURER (TYP)

NOTE:  
ANTENNA NOT SHOWN FOR CLARITY

MOUNTING BRACKET (SUPPLIED W/ ANTENNA)

MOUNTING PIPE (TYP)

ANTENNA MOUNTING PIPE (TYP)

ANTENNA PER PLAN

VALMONT — RRUDSM AND HARDWARE (TYP)

MOUNTING BRACKET (SUPPLIED W/ ANTENNA)

MOUNTING DETAIL  
SCALE: NOT TO SCALE

**verizon**  
4502 10TH AVE HANFORD,  
CA 93230

**CROWN CASTLE**

VERIZON SITE NUMBER:  
**116274**

BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	12/03/19	AK	PRELIMINARY	CW
0	01/24/20	AW	SUBMITTAL	CW



SIGNED, 24 JAN 2020

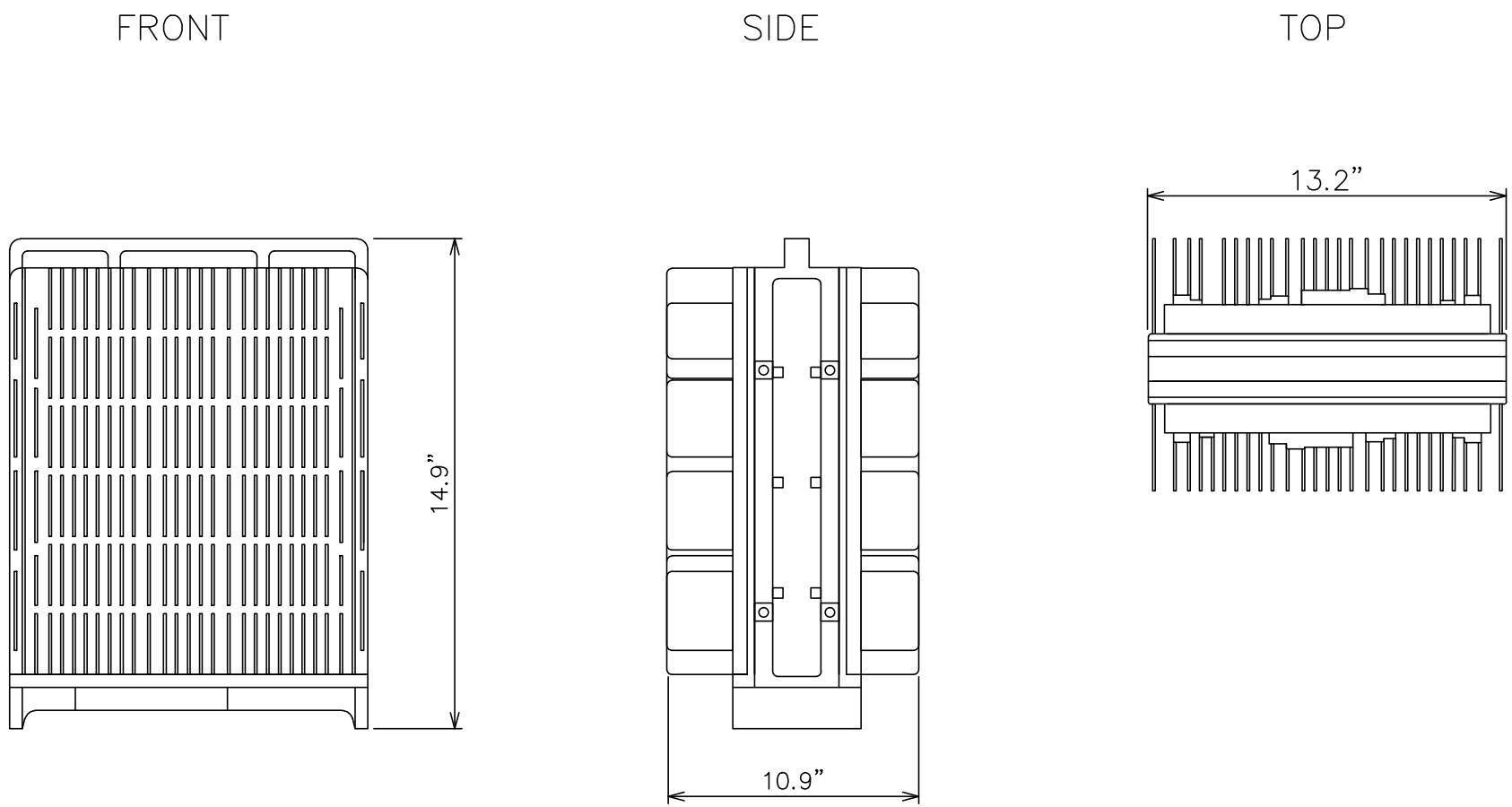
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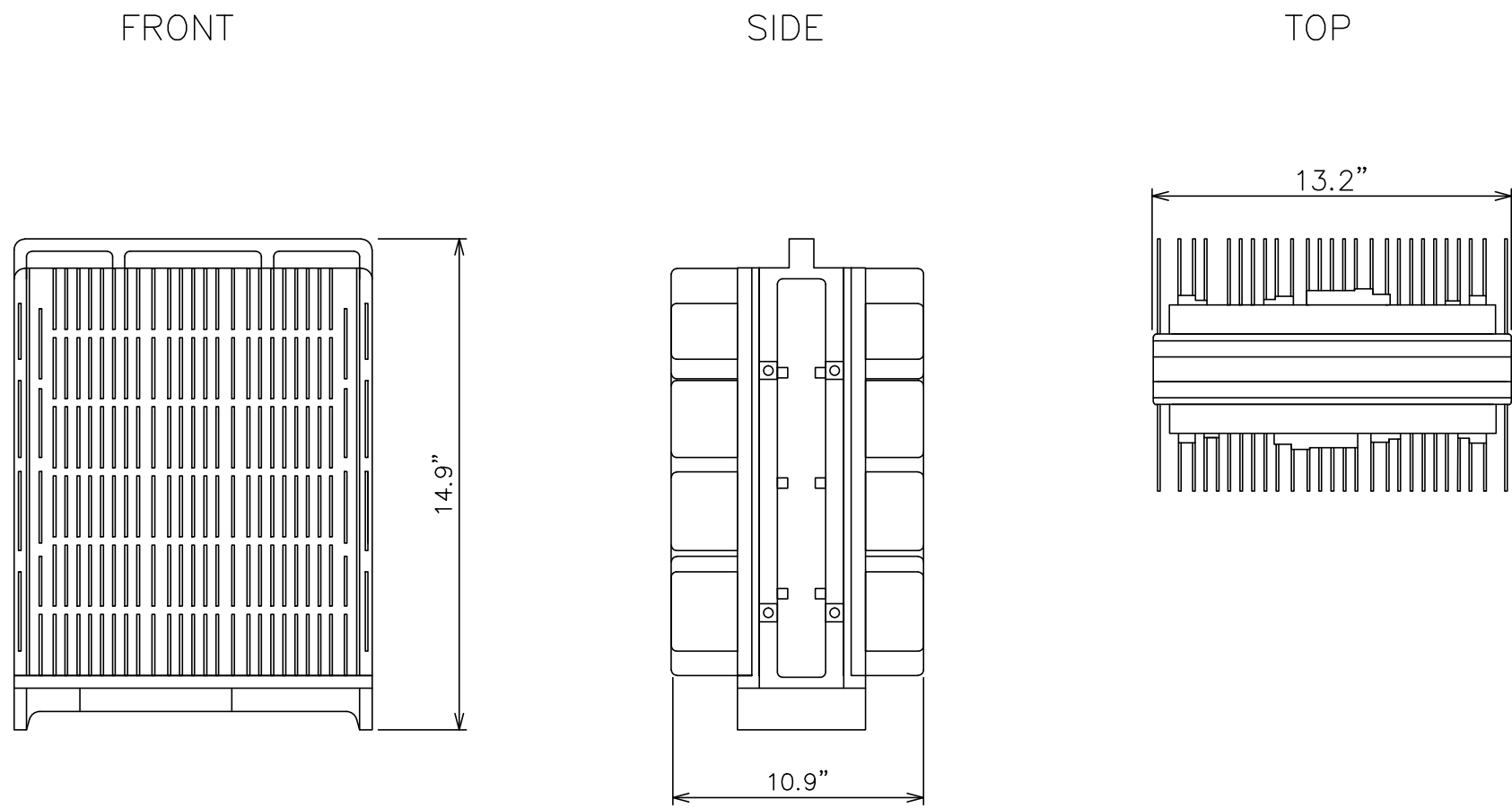
**C-3**

REVISION:

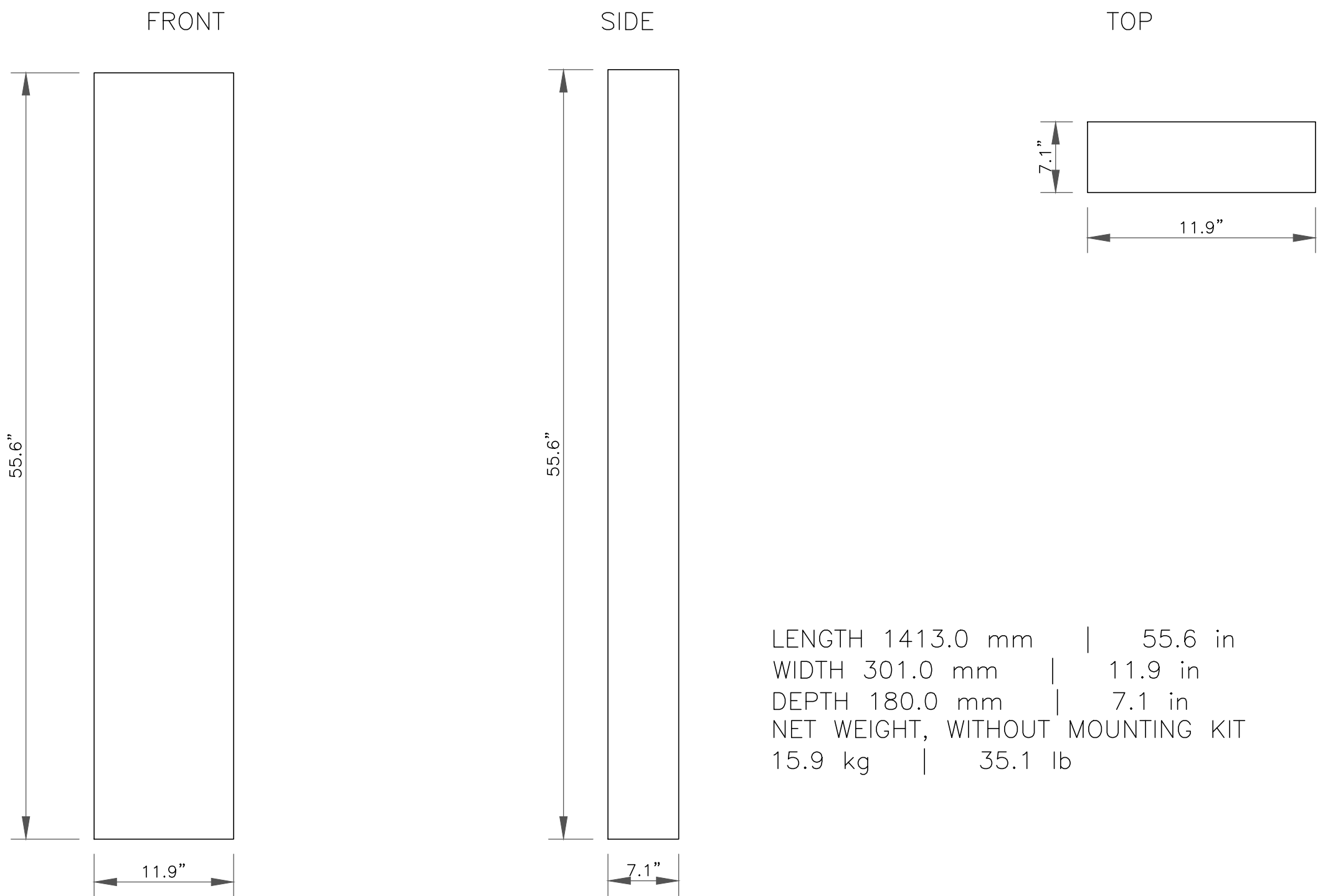
**0**



1 NEW RRH 8843 DETAIL  
SCALE: NOT TO SCALE



2 NEW RRH DETAIL 4449  
SCALE: NOT TO SCALE



LENGTH 1413.0 mm | 55.6 in  
WIDTH 301.0 mm | 11.9 in  
DEPTH 180.0 mm | 7.1 in  
NET WEIGHT, WITHOUT MOUNTING KIT  
15.9 kg | 35.1 lb

3 NEW ANTENNA DETAIL (COMMScope/NHH-65A-R2B)  
SCALE: NOT TO SCALE

4 NOT USED  
SCALE: NOT TO SCALE

4502 10TH AVE HANFORD,  
CA 93230

VERIZON SITE NUMBER:  
116274

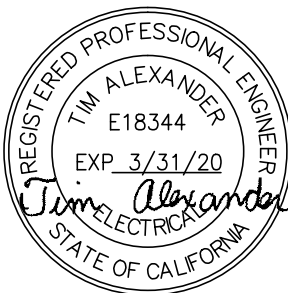
BU #: 814998  
HOPLAND

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

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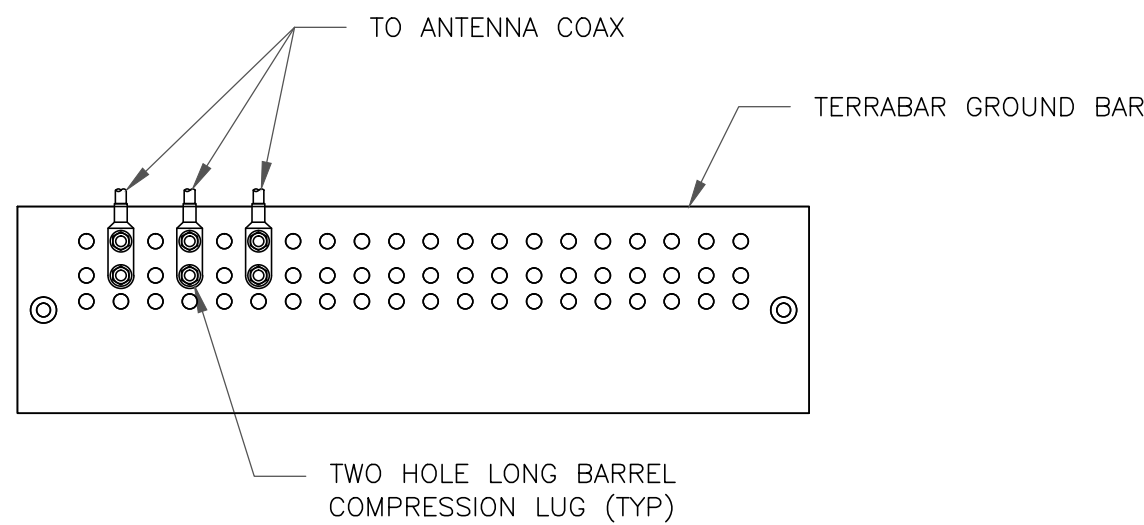
SHEET NUMBER:

C-4

REVISION:

0

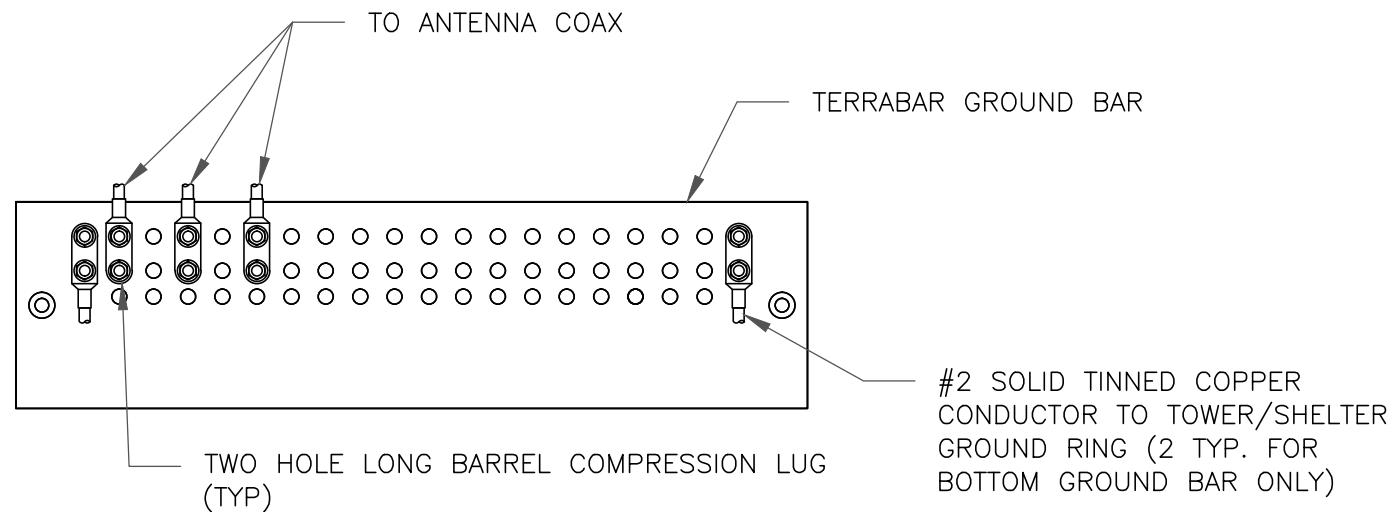




NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL.

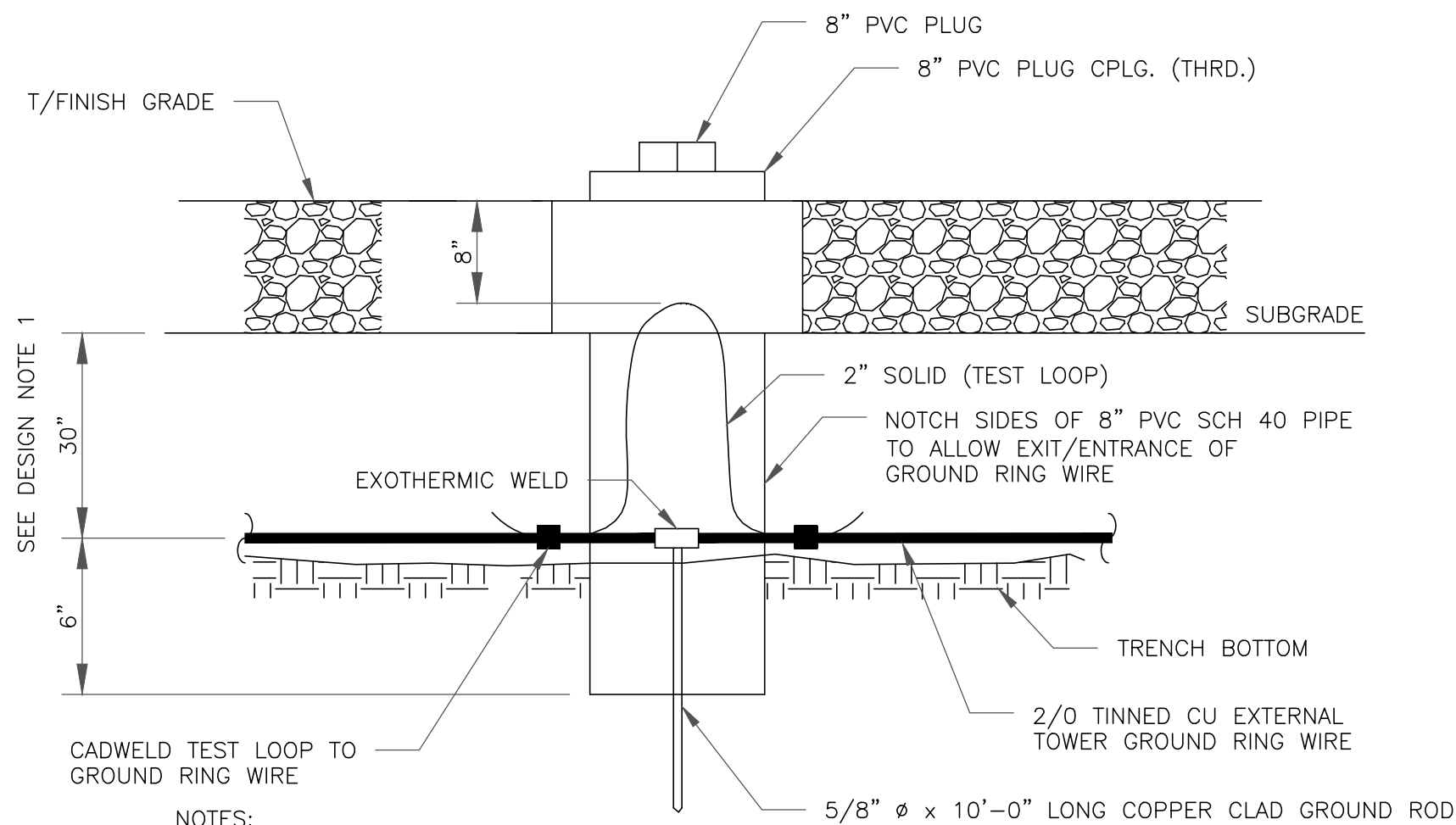
1 ANTENNA GROUND BAR DETAIL  
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. INSTALL GROUND BARS AT 75 FT. INTERVAL MAXIMUM.
4. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

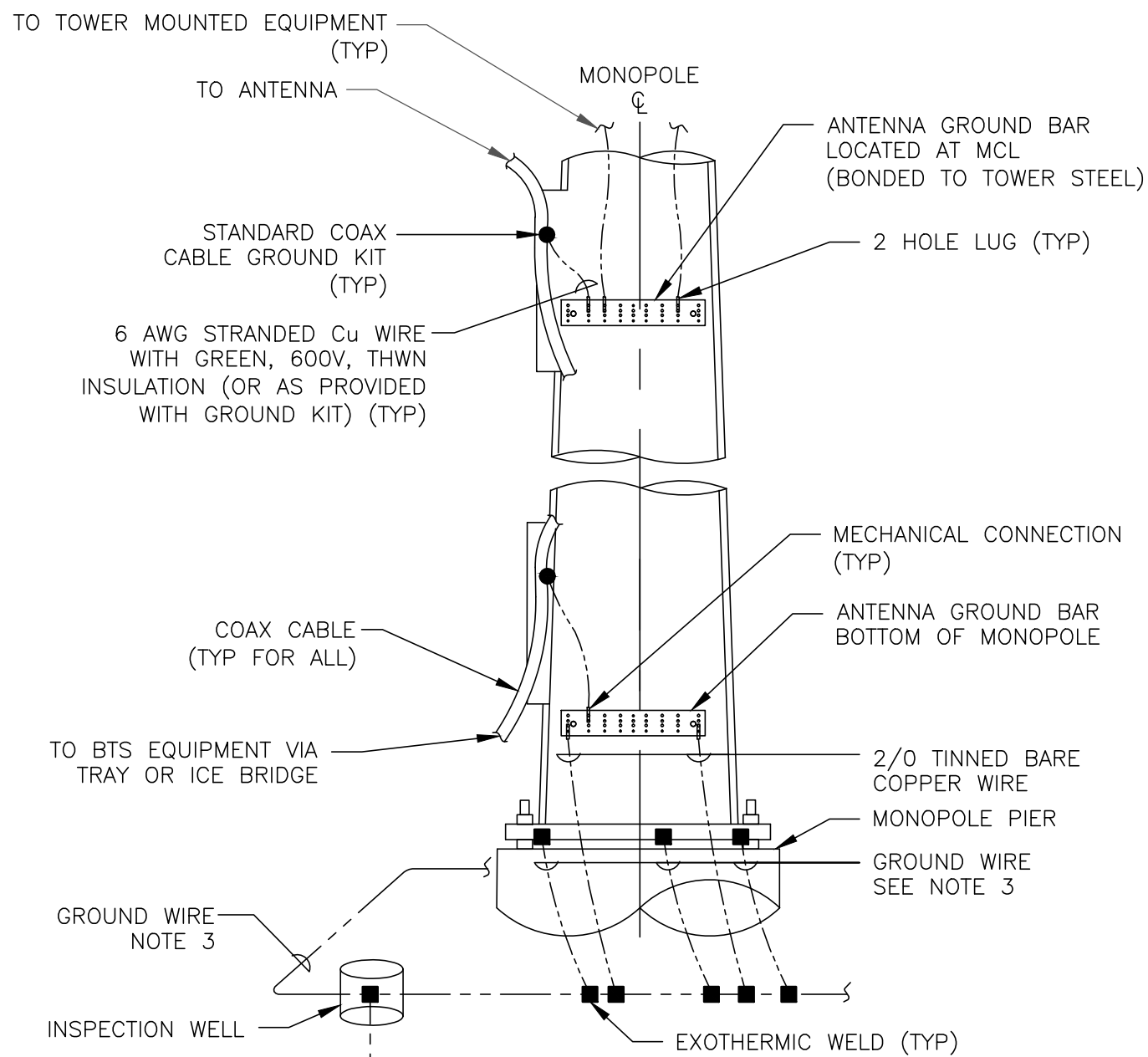
2 TOWER/SHELTER GROUND BAR DETAIL  
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

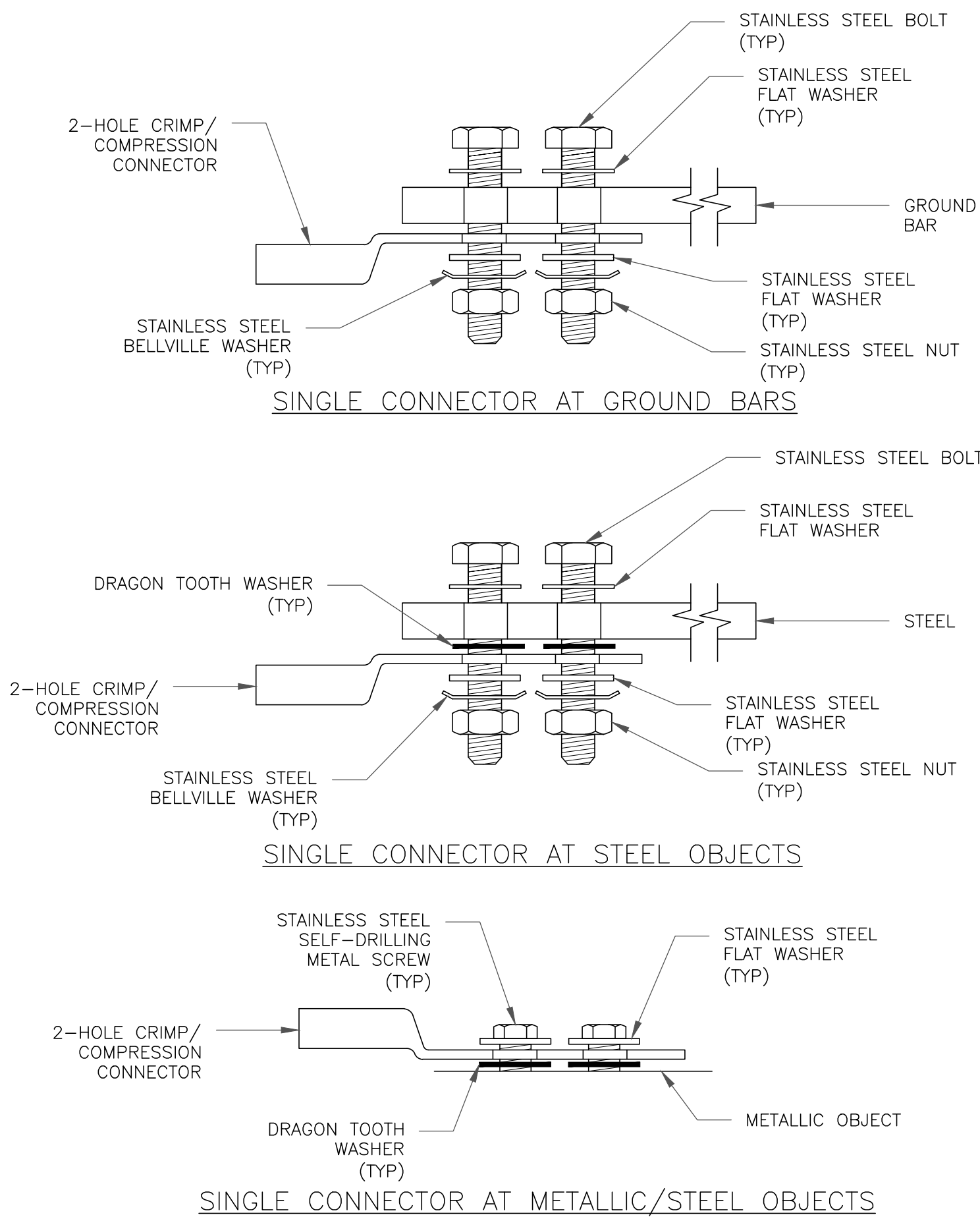
3 INSPECTION PORT DETAIL  
SCALE: NOT TO SCALE



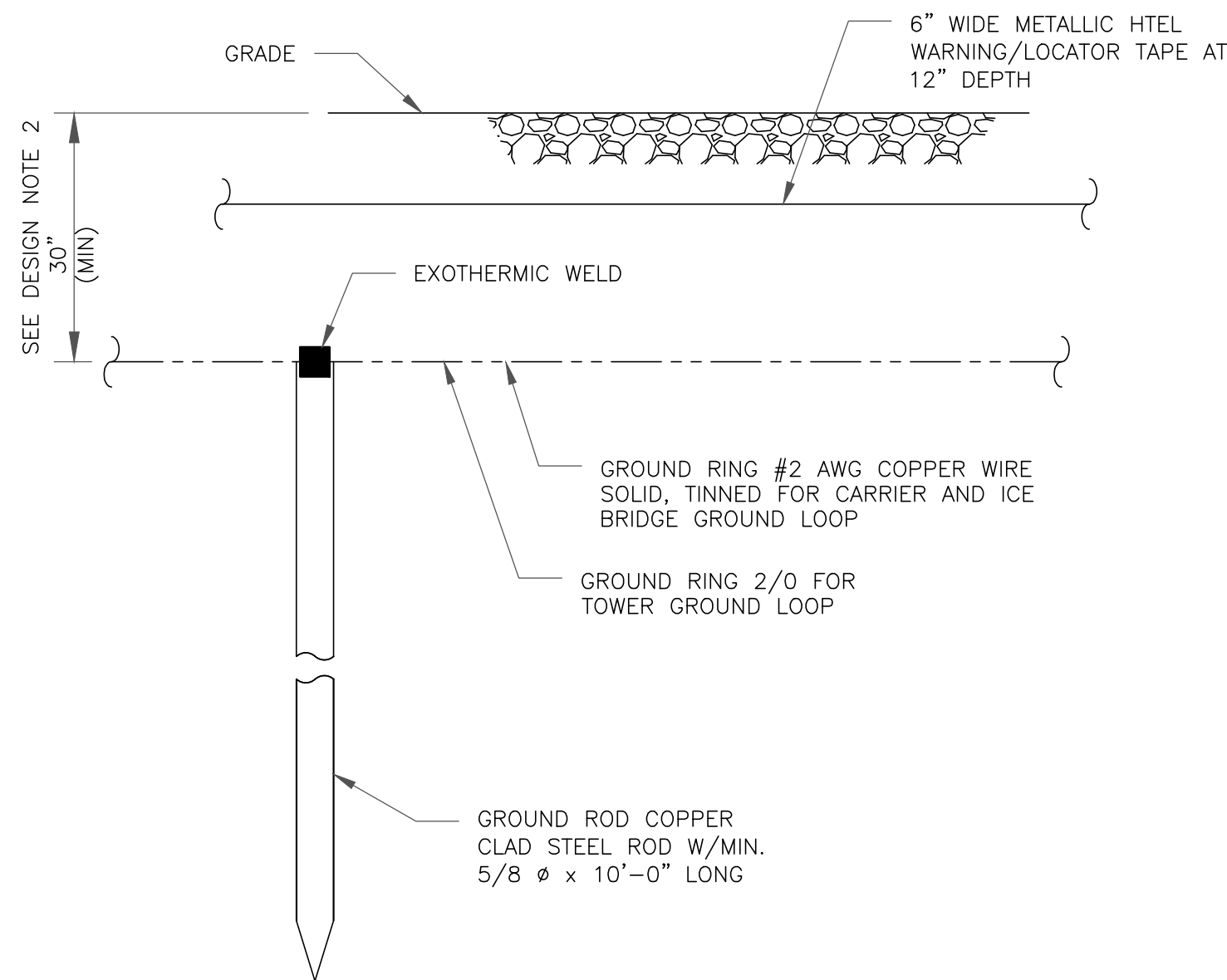
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

4 TYPICAL ANTENNA CABLE GROUNDING  
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS  
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL  
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:  
116274

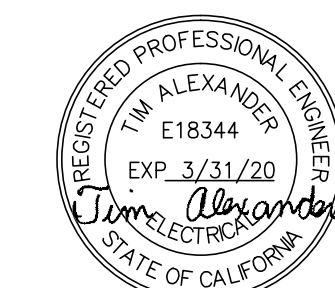
BU #: 814998  
HOPLAND

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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SIGNED, 24 JAN 2020

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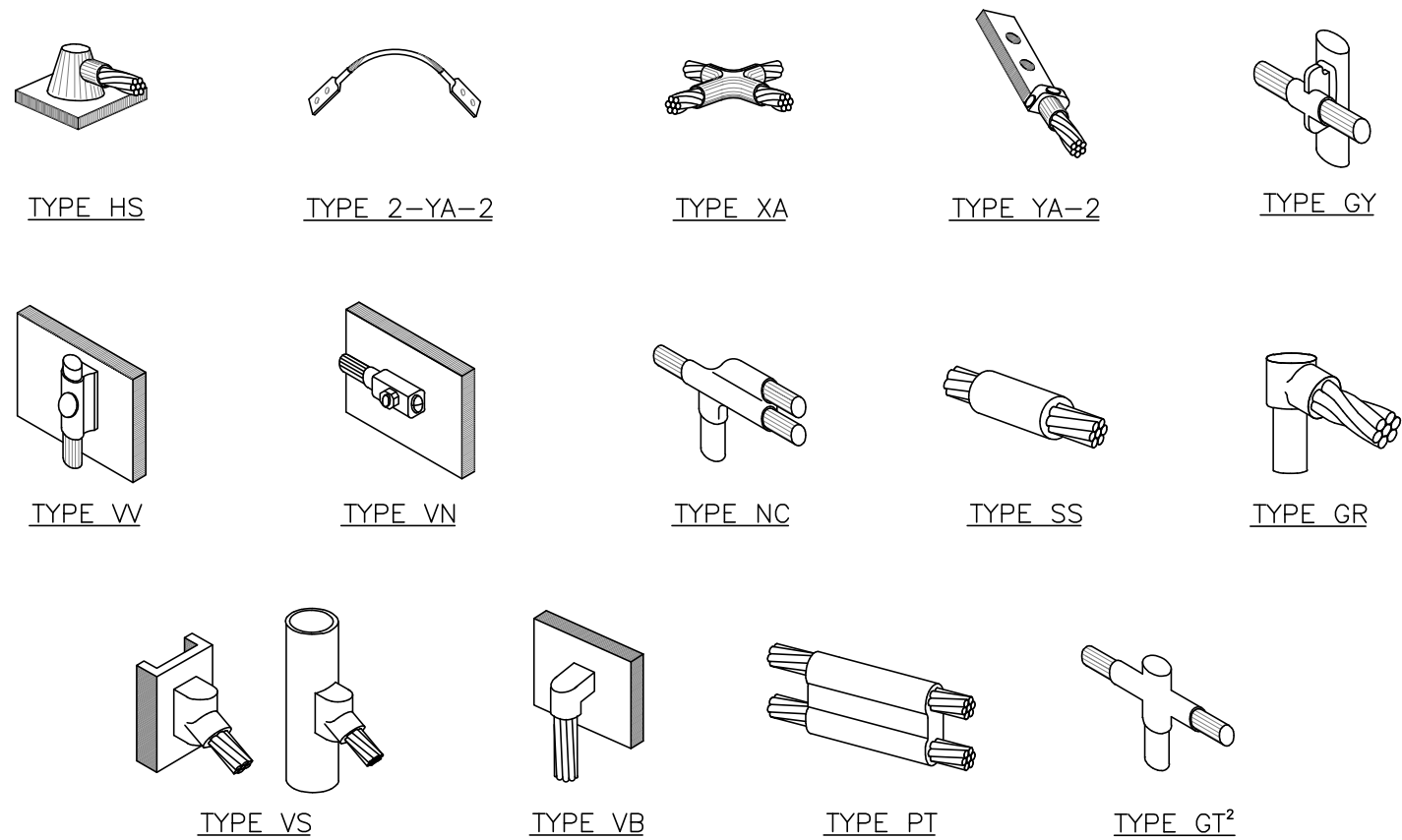
SHEET NUMBER:

G-1

REVISION:

0

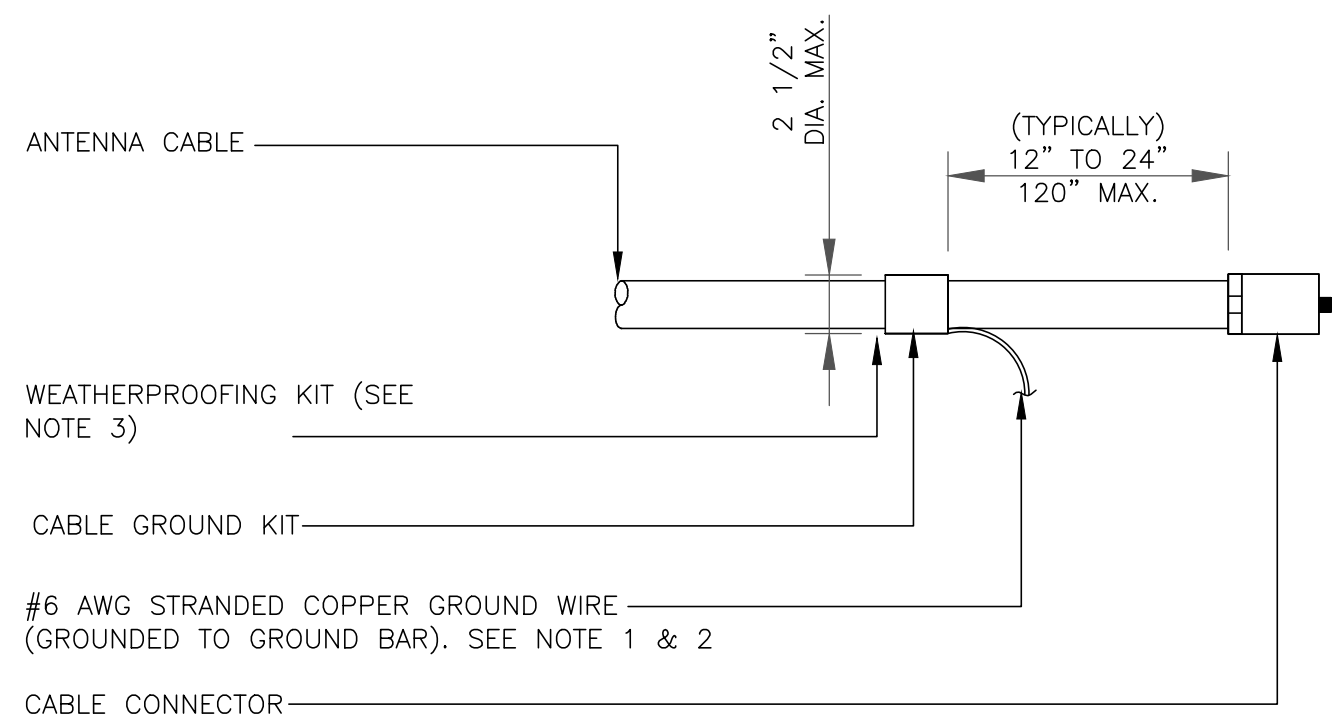




NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

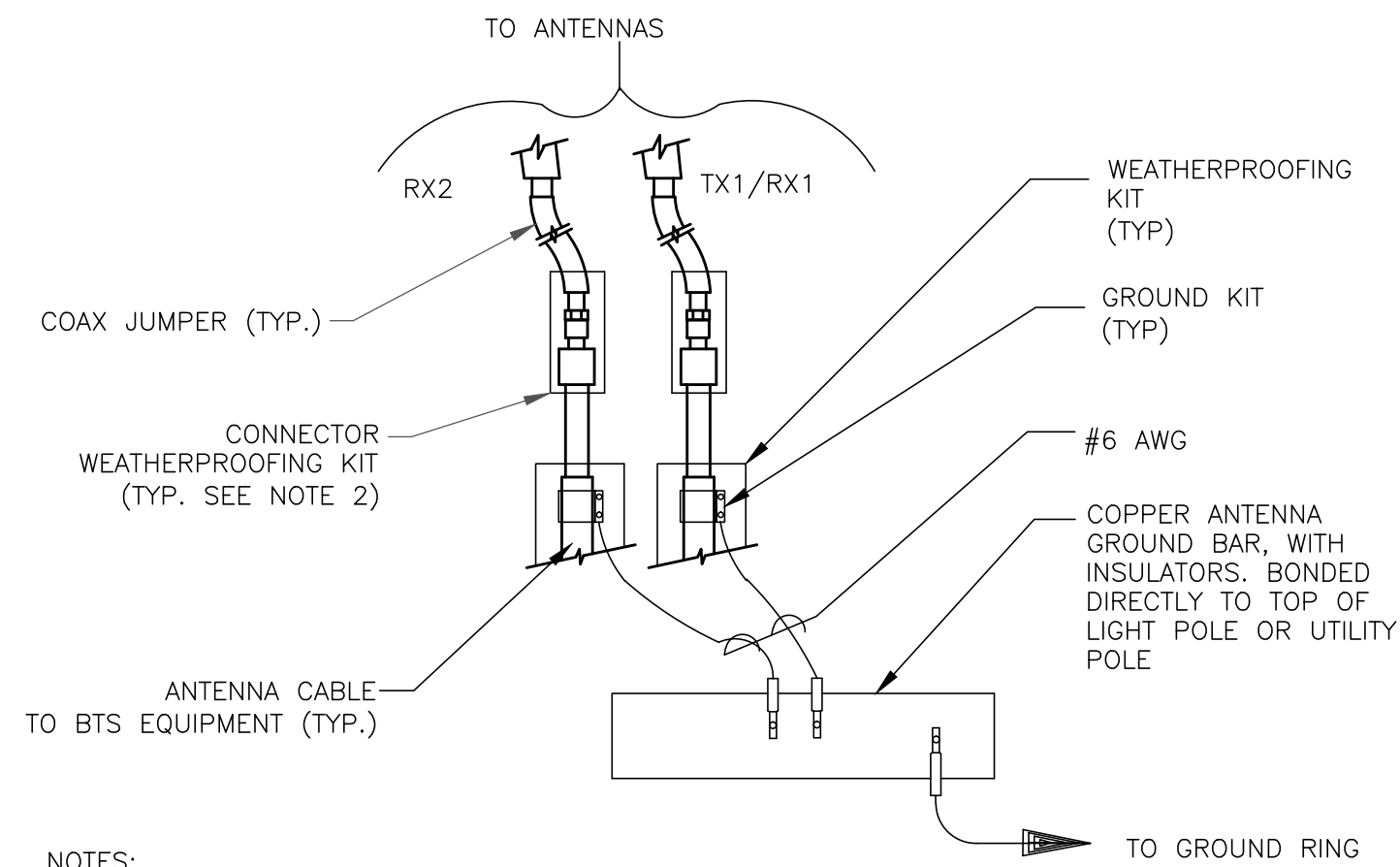
1 CADWELD GROUNDING CONNECTIONS  
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

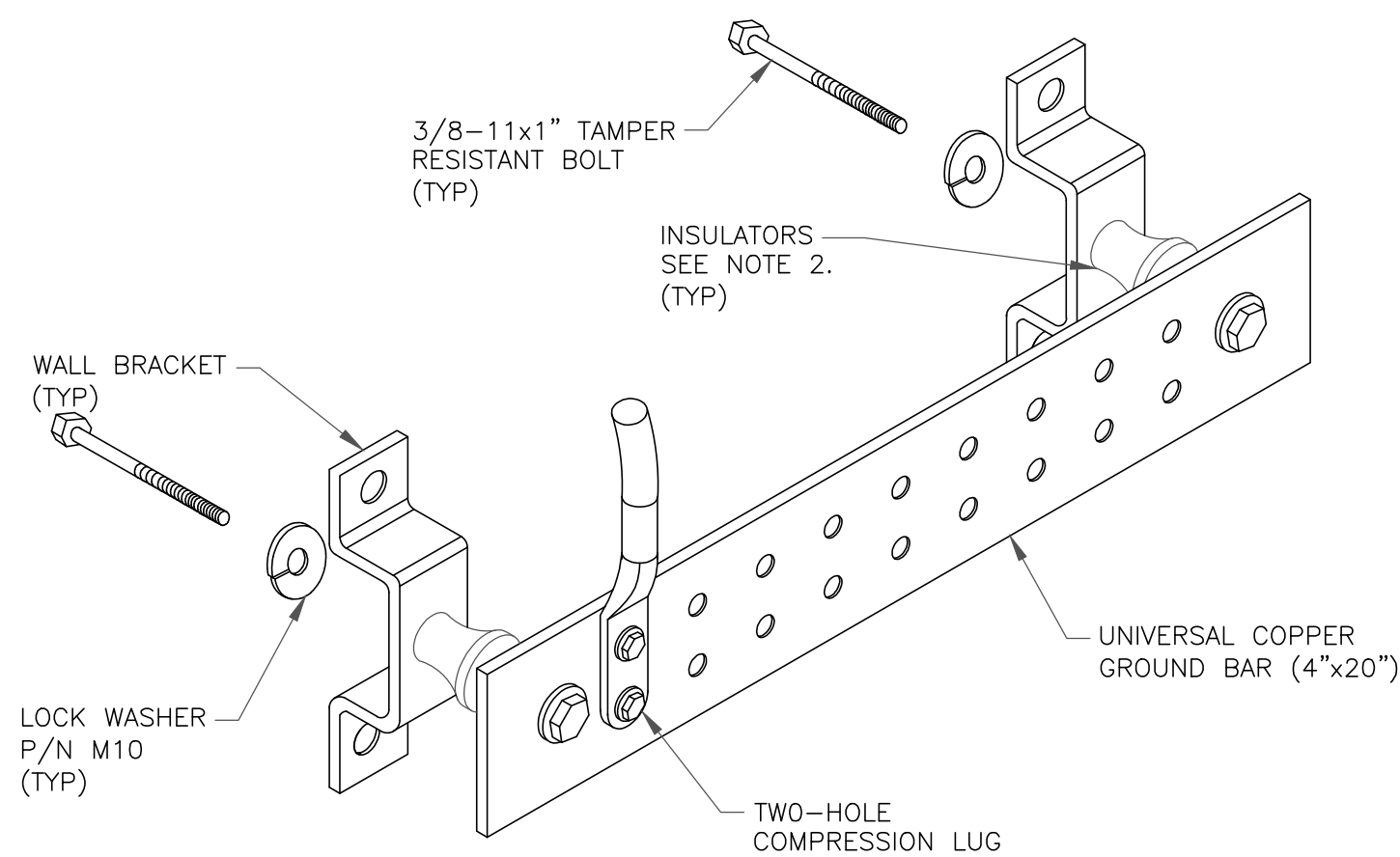
3 CABLE GROUND KIT CONNECTION  
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

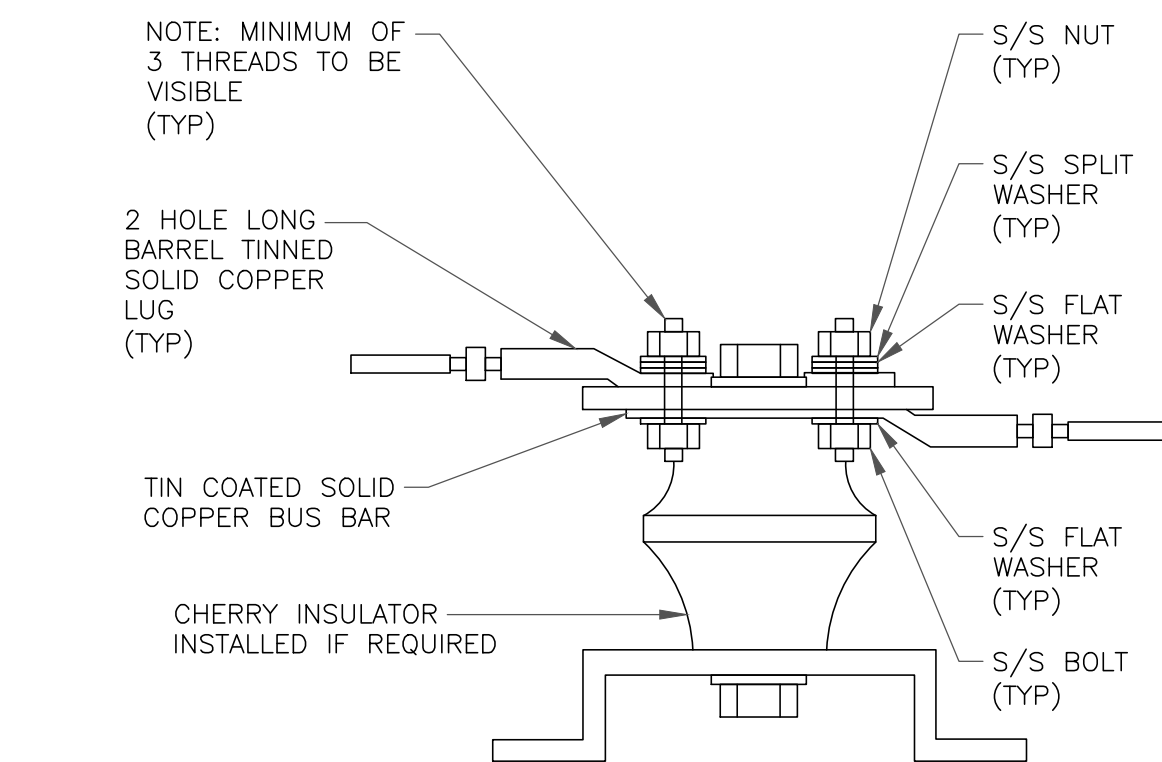
4 GROUND CABLE CONNECTION  
SCALE: NOT TO SCALE



NOTES:

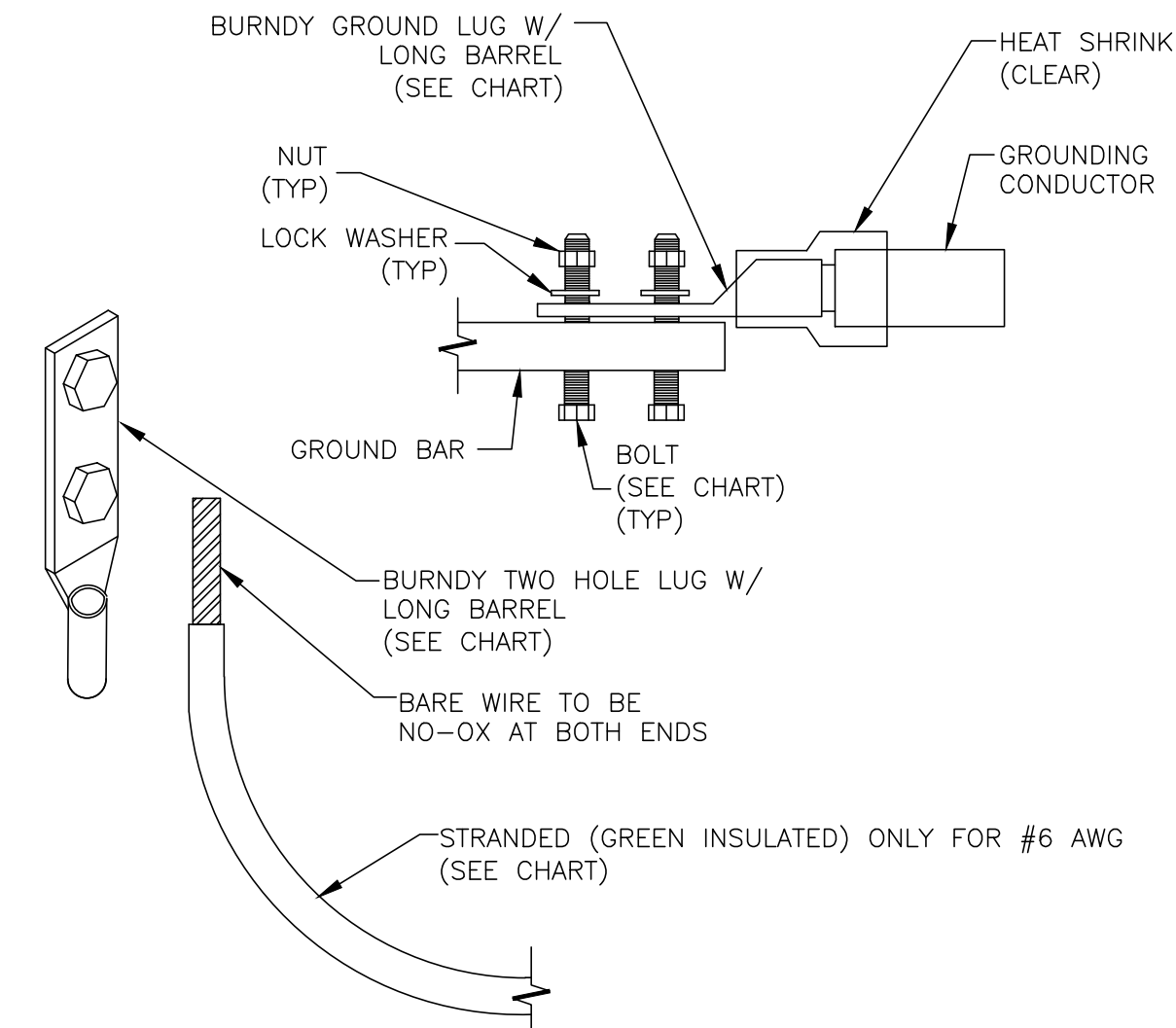
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STG-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL  
SCALE: NOT TO SCALE



7 LUG DETAIL  
SCALE: NOT TO SCALE

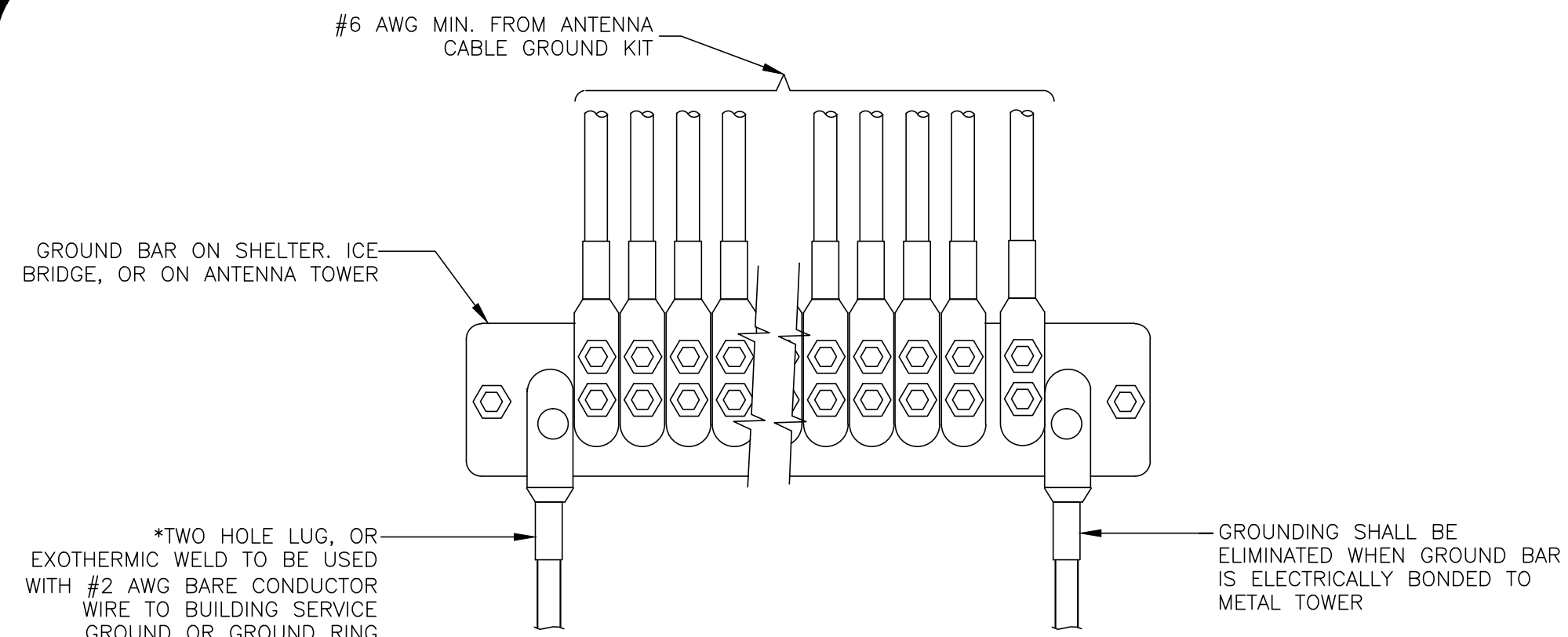
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



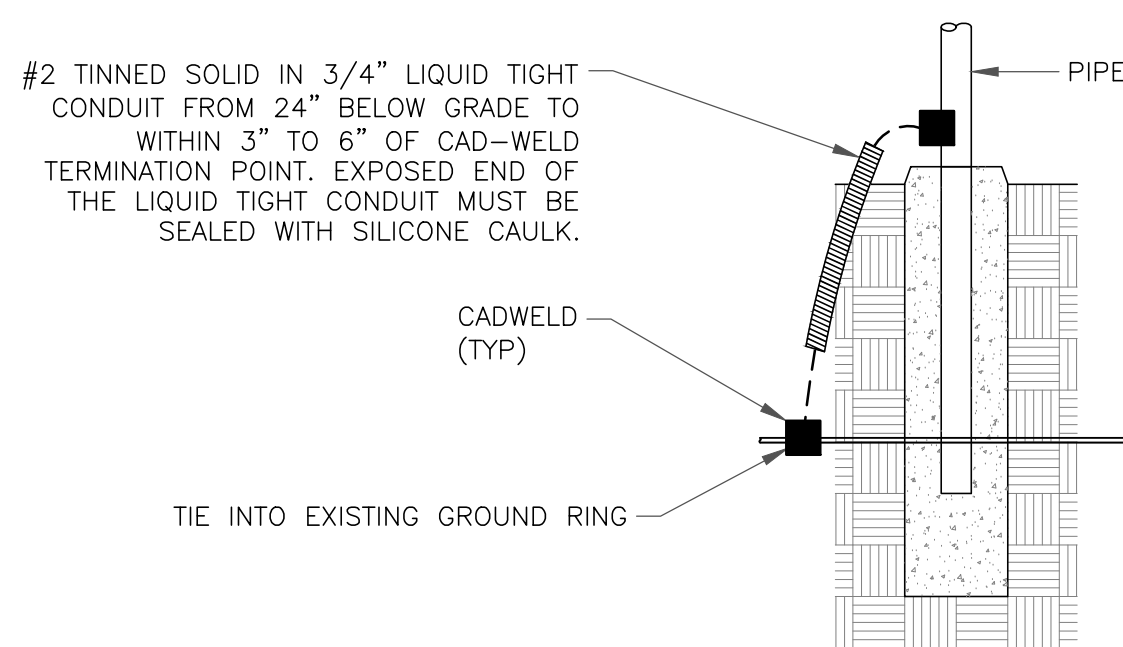
NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

2 MECHANICAL LUG CONNECTION  
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION  
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL  
SCALE: NOT TO SCALE

**verizon**  
4502 10TH AVE HANFORD,  
CA 93230

**CROWN  
CASTLE**

VERIZON SITE NUMBER:  
**116274**

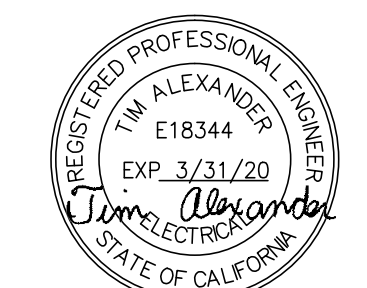
BU #: **814998**  
**HOPLAND**

4655 ROAD 110  
HOPLAND, CA 95449

EXISTING 51'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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0	01/24/20	AW	SUBMITTAL	CW



SIGNED, 24 JAN 2020

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SHEET NUMBER:

**G-2**

REVISION:

**0**



Planning and Building  
Services

Case No:	AP-2020-0003
CalFire No:	
Date Filed:	1-17-20
Fee:	2213.00
Receipt No:	PRJ 032902
Received By:	KG
Office use only	

## APPLICATION FORM

**APPLICANT** Verizon (Project Contact: Anthony Rhee with  
Name: Crown Castle; Agent of Applicant)

Phone: 925-737-1070

Mailing

Address: 1 Park Place, Suite 300 Dublin CA 94568

City: Dublin

State/Zip: CA

email: anthony.rhee.contractor@crowncastle.com

**PROPERTY OWNER**

Name: Virginia Meadows

Phone:

Mailing

Address: 1651 Madrone Drive

City: Ukiah

State/Zip: CA

email:

**AGENT**

Name: Anthony Rhee with Crown Castle

Phone: 925-737-1070

Mailing

Address: 1 Park Place, Suite 300 Dublin CA 94568

City: Dublin

State/Zip: CA

email: anthony.rhee.contractor@crowncastle.com

Parcel Size: (Sq. feet/Acres) Address of Property:

4655 Road 110 Hopland

Assessor Parcel Number(s): 049-240-26-00

**TYPE OF APPLICATION:**

- ☒ Administrative Permit
- ☐ Agricultural Preserve
- ☐ Airport Land Use
- ☐ CDP- Admin
- ☐ CDP- Standard
- ☐ Certificate of Compliance
- ☐ Development Review
- ☐ Exception

- ☐ Flood Hazard
- ☐ General Plan Amendment
- ☐ Land Division-Minor
- ☐ Land Division- Major
- ☐ Land Division-Parcel
- ☐ Land Division-Resubdivision
- ☐ Modification of Conditions
- ☐ Reversion to Acreage

- ☐ Rezoning
- ☐ Use Permit-Cottage
- ☐ Use Permit-Minor
- ☐ Use Permit-Major
- ☐ Variance
- ☐ Other

I certify that the information submitted with this application is true and accurate.

Digitally signed by Anthony Rhee  
Date: 2020.01.13 15:25:01 -0800

1/13/2020

Signature of Applicant/Agent

See Letter of Authorization  
and Memorandum of Lease

Signature of Owner

Date



## SITE AND PROJECT DESCRIPTION QUESTIONNAIRE

The purpose of this questionnaire is to relate information concerning your application to the Department of Planning and Building Services and other agencies who will be reviewing your project proposal. Please remember that the clearer picture that you give us of your project and the site, the easier it will be to promptly process your application. Please answer all questions. Those questions which do not pertain to your project please indicate "Not applicable" or "N/A".

### THE PROJECT

1. Describe your project. Include secondary improvements such as wells, septic systems, grading, vegetation removal, roads, etc.

Tower scope of work: Verizon to replace (6) antennas; install (6) RRHs.

No increase to existing height or expansion of existing footprint.

Ref: BU 814998 APP 508506

2. Structures/Lot Coverage	Number of Units		Square Footage		
	Existing	Proposed	Existing	Proposed	Total
<input type="checkbox"/> Single Family					
<input type="checkbox"/> Mobile Home					
<input type="checkbox"/> Duplex					
<input type="checkbox"/> Multifamily					
<input checked="" type="checkbox"/> Other: Unmanned Telecom Facility					
<input type="checkbox"/> Other: _____					
<b>Total Structures Paved</b>					
<b>Area Landscaped Area</b>					
<b>Unimproved Area</b>					
<b>GRAND TOTAL (Equal to gross area of Parcel)</b>					

3. If the project is commercial, industrial or institutional, complete the following:

Estimated employees per shift: 0

Estimated shifts per day: 0

Type of loading facilities proposed: None

---

4. Will the proposed project be phased? ☐ Yes ☒ No If yes, explain your plans for phasing:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

5. Will vegetation be removed on areas other than the building sites and roads? ☐ Yes ☒ No Explain:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

6. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives? ☐ Yes ☒ No If yes, explain:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

7. How much off-street parking will be provided? **N/A Unmanned telecomm facility**

	Number	Size
Number of covered spaces	_____	_____
Number of uncovered spaces	_____	_____
Number of standard spaces	_____	_____
Number of handicapped spaces	_____	_____
Existing Number of Spaces	_____	
Proposed Additional Spaces	_____	
Total	_____	

---

8. Is any road construction or grading planned? ☐ Yes ☒ No If yes, grading and drainage plans may be required. Also, describe the terrain to be traversed (e.g., steep, moderate slope, flat, etc.).

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

9. For grading or road construction, complete the following:

A. Amount of cut \_\_\_\_\_ cubic yards

B. Amount of fill \_\_\_\_\_ cubic yards

C. Maximum height of fill slope \_\_\_\_\_ feet

D. Maximum height of cut slope \_\_\_\_\_ feet

E. Amount of import or export \_\_\_\_\_ cubic yards

F. Location of borrow or disposal site \_\_\_\_\_



10. Does the project involve sand removal, mining or gravel extraction? ☐ Yes ☒ No  
If yes, detailed extraction, reclamation and monitoring plans may be required?

11. Will the proposed development convert land currently or previously used for agriculture to another use?  
☐ Yes ☒ No  
If yes, how many acres will be converted? \_\_\_\_\_ acres. An agricultural economic feasibility study may be required.

12. Will the development provide public or private recreational opportunities? ☐ Yes ☒ No  
If yes, explain below:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. Is the proposed development visible from State Highway 1 or other scenic route? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	14. Is the proposed development visible from a park, beach or other recreational area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---

15. Does the development involve diking, filling, dredging or placing structures in open coastal water, wetlands, estuaries or lakes? **None**

Diking : ☐ Yes ☐ No  
Filling: ☐ Yes ☐ No  
Dredging: ☐ Yes ☐ No

Placement of structures in:  
☐ open coastal waters  
☐ wetlands  
☐ estuaries  
☐ lakes

If so, amount of material to be dredged or filled? \_\_\_\_\_ cubic yards.  
Location of dredged material disposal site? \_\_\_\_\_

Has a U.S. Army Corps of Engineers permit been applied for? ☐ Yes ☒ No

16. Will there be any exterior lighting? ☐ Yes ☐ No If yes, describe below and identify the location of all exterior lighting on the plot plan and building plans.  
\_\_\_\_\_  
\_\_\_\_\_

17. Utilities will be supplied to the site as follows:

A. Electricity:  
☐ Utility Company (service exists to the parcel)  
☐ Utility Company (requires extension of service to site: \_\_\_\_\_ feet \_\_\_\_\_ miles)  
☒ On Site Generation - Specify: See construction drawing sheet C-1.2

B. Gas:  
☐ Utility Company/Tank  
☒ On Site Generation - Specify: See construction drawing sheet C-1.2  
☐ None

C. Telephone: ☐ Yes ☒ No

18. What will be the method of sewage disposal? **N/A**  
☐ Community sewage system - Specify supplier \_\_\_\_\_  
☐ Septic Tank  
☐ Other - Specify: \_\_\_\_\_

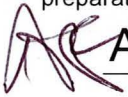
19. What will be the domestic water source: **N/A**  
☐ Community water system - Specify supplier \_\_\_\_\_  
☐ Well  
☐ Spring  
☐ Other - Specify: \_\_\_\_\_

20.	<p>Are there any associated projects and/or adjacent properties under your ownership?  <input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No      If yes, explain (e.g., Assessor's Parcel Number, address, etc.):</p> <p>Adjacent property owned by Virginia Meadows: APN: 049-240-25-00</p> <p>No other buildings on property seen on map.</p>																														
21.	<p>List and describe any other related permits and other public approval required for this project, including those required by other County departments, city, regional, state and federal agencies:</p> <p>BU_2017-0691; AP_2017-0050</p> <p>Permit BU_2019-2616 undergoing review for different carrier (AT*T)</p>																														
22.	<p>Describe the location of the site in terms of readily identifiable landmarks (e.g., mailboxes, mile posts, street intersections, etc.):</p>  																														
23.	<p>Are there existing structures on the property?      <input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No          If yes, describe below, and identify the use of each structure on the plot plan or tentative map if the proposal is for a subdivision.</p> <p>Existing cell tower on site; scope of work will pertain to the cell tower only.</p>																														
24.	<p>Will any existing structures be demolished or removed?      <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No          If yes, describe the type of development to be demolished or removed, including the relocation site, if applicable.</p>																														
25.	<p>Project Height. Maximum height of existing structures <u>61'-6"</u> feet. Maximum height of proposed structures <u>61'-6"</u> feet.</p>																														
26.	<p>Gross floor area of existing structures _____ square feet (including covered parking and accessory buildings). Gross floor area of proposed structures _____ square feet (including covered parking and accessory buildings).</p>																														
27.	<p>Lot area (within property lines): <u>1867</u>      <input checked="" type="checkbox"/> square feet      <input type="checkbox"/> acres.</p>																														
28.	<p>Briefly describe the project site as it exists before the project, including information on existing structures and their uses, slopes, soil stability, plants and animals, and any cultural, historical or scenic aspects. Attach any photographs of the site that you feel would be helpful.</p> <p>Existing unmanned telecommunication facility; consisting of two shelters for wireless carriers and cell tower.</p>																														
29.	<p>Briefly describe the surrounding properties, including information on plants, animals and any cultural, historic or scenic aspects. Indicate the type of land use (use chart below) and its general intensity. Attach any photographs of the vicinity that you feel would be helpful.</p>																														
30.	<p>Indicate the surrounding land uses:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 25%; text-align: center;">North</th> <th style="width: 25%; text-align: center;">East</th> <th style="width: 25%; text-align: center;">South</th> <th style="width: 25%; text-align: center;">West</th> </tr> </thead> <tbody> <tr> <td>Vacant</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Residential Agricultural</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Commercial Industrial</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Institutional Timberland</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		North	East	South	West	Vacant					Residential Agricultural					Commercial Industrial					Institutional Timberland					Other				
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Other																															



## CERTIFICATION AND SITE VIEW AUTHORIZATION- SUBMIT ONLY ONE COPY

1. I hereby certify that I have read this completed application and that, to the best of my knowledge, the information in this application, and all attached appendices and exhibits, is complete and correct. I understand that the failure to provide any requested information or any misstatements submitted in support of the application shall be grounds for either refusing to accept this application, for denying the permit, for suspending or revoking a permit issued on the basis of such misrepresentations, or for seeking of such further relief as may seem proper to the County.
2. I hereby grant permission for County Planning and Building Services staff and hearing bodies to enter upon and site view the premises for which this application is made in order to obtain information necessary for the preparation of required reports and render its decision.



**Anthony Rhee**

Digitally signed by Anthony Rhee  
Date: 2020.01.13 15:24:28 -08'00'

**1/31/2020**

Owner/Authorized Agent

Date

**NOTE:** IF SIGNED BY AGENT, OWNER MUST SIGN BELOW.

AUTHORIZATION OF AGENT See Letter of Authorization

I hereby authorize \_\_\_\_\_ to act as my representative and to bind me in all matters concerning this application.

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Date

### MAIL DIRECTION

To facilitate proper handling of this application, please indicate the names and mailing addresses of individuals to whom you wish correspondence and/or staff reports mailed if different from those identified on Page 1 of the application form.

<b>Name</b>	<b>Name</b>	<b>Name</b>
<b>Mailing Address</b>	<b>Mailing Address</b>	<b>Mailing Address</b>

### INDEMNIFICATION AND HOLD HARMLESS

ORDINANCE NO. 3780, adopted by the Board of Supervisors on June 4, 1991, requires applicants for discretionary land use approvals, to sign the following Indemnification Agreement. Failure to sign this agreement will result in the application being considered incomplete and withheld from further processing.

### INDEMNIFICATION AGREEMENT

As part of this application, applicant agrees to defend, indemnify, release and hold harmless the County of Mendocino, its agents, officers, attorneys, employees, boards and commissions, as more particularly set forth in Mendocino County Code Section 1.04.120, from any claim, action or proceeding brought against any of the foregoing individuals or entities, the purpose of which is to attack, set aside, void or annul the approval of this application or adoption of the environmental document which accompanies it. The indemnification shall include, but not be limited to, damages, costs, expenses, attorney fees or expert witness fees that may be asserted by any person or entity, including the applicant, arising out of or in connection with the approval of this application, whether or not there is concurrent, passive or active negligence on the part of the County, its agents, officers, attorneys, employees, boards and commissions.

Verizon (Project Contact: Anthony Rhee with Crown Castle; Agent of Applicant)  
Applicant: \_\_\_\_\_

**Anthony Rhee**

Digitally signed by Anthony Rhee  
Date: 2020.01.13 15:24:09 -08'00'

Date: **1/13/2020**

Z:\1.PBS Forms\COMPLETED Form\Planning Application-2015.docx

## COASTAL ZONE DEVELOPMENT

COMPLETE FOR PROJECTS LOCATED IN THE COASTAL ZONE ONLY

List all property owners within 300 feet, and occupants within 100 feet along with the corresponding Assessor's Parcel Number for each owner/occupant. **This form must be typed.**

AP# 000-000-00 LASTNAME, FIRSTNAME STREET ADDRESS CITY, STATE ZIP		



COMPLETE FOR  
PROJECTS LOCATED IN  
THE COASTAL ZONE ONLY

N/A

### DECLARATION OF POSTING

At the time the application is submitted for filing, the applicant must **Post**, at a conspicuous place, easily read by the public and as close as possible to the site of the proposed development, notice that an application for the proposed development has been submitted. Such notice shall contain a general description of the nature of the proposed development and shall be on the standard form provided in the application packet. If the applicant fails to post the completed notice form and sign the **Declaration of Posting**, the Department of Planning and Building Services cannot process the application.

As **Proof of Posting**, please sign and date this Declaration of Posting form when the site is posted; it serves as proof of posting. It should be returned to the Department of Planning and Building Services with the application.

Pursuant to the requirements of Section 20.532.025(H) of the Mendocino County Code, I hereby certify that on \_\_\_\_\_ (date of posting), I or my authorized representative posted the "NOTICE OF PENDING PERMIT" for application to obtain a Coastal Development Permit for the development of:

\_\_\_\_\_  
\_\_\_\_\_  
(Description of development)

Located at:

\_\_\_\_\_  
\_\_\_\_\_  
(Address of development and Assessor's Parcel Number)

The public notice was posted at:

\_\_\_\_\_  
\_\_\_\_\_  
(A conspicuous place, easily seen by the public and as close as possible to the site of proposed development)

\_\_\_\_\_  
Owner/Authorized Representative

\_\_\_\_\_  
Date

(A copy of the notice which was posted shall be attached to this form).

**NOTE:** YOUR APPLICATION CANNOT BE PROCESSED UNTIL THIS "DECLARATION OF POSTING" IS SIGNED AND RETURNED TO PLANNING AND BUILDING SERVICES.

COMPLETE FOR  
PROJECTS LOCATED IN  
THE COASTAL ZONE ONLY

N/A

## NOTICE OF PENDING PERMIT

A COASTAL PERMIT APPLICATION FOR DEVELOPMENT ON THIS SITE IS PENDING  
BEFORE THE COUNTY OF MENDOCINO.

PROPOSED DEVELOPMENT: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LOCATION: \_\_\_\_\_  
\_\_\_\_\_

APPLICANT: \_\_\_\_\_  
\_\_\_\_\_

ASSESSOR'S PARCEL NUMBER: \_\_\_\_\_  
\_\_\_\_\_

DATE NOTICE POSTED: \_\_\_\_\_

### FURTHER INFORMATION IS AVAILABLE AT:

COUNTY OF MENDOCINO  
DEPARTMENT OF PLANNING & BUILDING SERVICES  
[www.co.mendocino.ca.us/planning](http://www.co.mendocino.ca.us/planning)  
860 North Bush Street, Ukiah, CA 95482, 707-234-6650  
120 West Fir Street, Fort Bragg, CA 95437, 707-964-5379  
HOURS: 8:00 - 5:00