JULIA KROG, DIRECTOR TELEPHONE: 707-234-6650 FAX: 707-463-5709 FB PHONE: 707-964-5379 FB FAX: 707-961-2427

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120 WEST FIR STREET · FT. BRAGG · CALIFORNIA · 95437

October 31, 2024

### **NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN THAT the Mendocino County Zoning Administrator, at its regular meeting on Thursday, November 14, 2024, at 1:30 PM, will conduct a public hearing on the following project(s) at the time listed or as soon thereafter as the item may be heard. This meeting will take place at the Planning & Building Services Conference Room, located at 860 North Bush Street, Ukiah and virtual attendance will be available via Zoom. Meetings are live streamed and available for viewing online on the Mendocino County YouTube page, at <a href="https://www.youtube.com/MendocinoCountyVideo">https://www.youtube.com/MendocinoCountyVideo</a>. In lieu of personal attendance the public may participate digitally in meetings by sending comments to <a href="mailto:pbscommissions@mendocinocounty.gov">pbscommissions@mendocinocounty.gov</a> or via Telecomment. The telecomment form may be found at: <a href="https://www.mendocinocounty.gov/departments/planning-building-services/public-hearing-bodies">https://www.mendocinocounty.gov/departments/planning-building-services/public-hearing-bodies</a>.

**CASE#**: AP\_2024-0029 **DATE FILED**: 9/11/2024

**OWNER:** Crown Castle GT Company LLC

APPLICANT/AGENT: Crown Castle/Tihtina Sintayehu

**REQUEST:** Administrative Permit to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes the removal of one Commscope VHLP4-11W-6WH microwave dish, install one Ceragon C ODU, remove one microwave cable, install one Commscope VHLP4-18/C microwave dish, install one Ceragon fiber 1P-20A RFU-D ODU, install one Amphenol fiber optic-2CX14AWG TMO cable, install one Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable, install one 2inch innerduct, install one Commscope highwind 6-KITIR

**ENVIRONMENTAL DETERMINATION:** Categorically Exempt

**LOCATION:** 9± miles northeast of Laytonville, on the north side of Spyrock Road (CR 323) 4.4± miles northeast of its intersection with U.S. Route 101, located at 3750 Spyrock Road,

Laytonville; APN: 056-310-18.

**SUPERVISORIAL DISTRICT:** 4 (Gjerde) **STAFF PLANNER:** Keith Gronendyke

The staff report and notice will be available for public review 10 days prior to the hearing on the Department of Planning and Building Services website at: <a href="https://www.mendocinocounty.gov/departments/planning-building-services/public-hearing-bodies">https://www.mendocinocounty.gov/departments/planning-building-services/public-hearing-bodies</a>.

Your comments regarding the above project(s) are invited. Written comments should be submitted by mail to the Department of Planning and Building Services Commission Staff, at 860 North Bush Street, Ukiah, California. The public may participate digitally in meetings by emailing comments to <a href="mailto:pbscommissions@mendocinocounty.gov">pbscommissions@mendocinocounty.gov</a> by November 13, 2024, or orally via telecomment in lieu of personal attendance. All public comment will be made available to the Zoning Administrator, staff, and the general public as they are received and processed by staff, and can be viewed as attachments to this meeting agenda at <a href="https://www.mendocinocounty.gov/departments/planning-building-services/public-hearing-bodies">https://www.mendocinocounty.gov/departments/planning-building-services/public-hearing-bodies</a>.

The Zoning Administrator's action regarding this item shall be final unless appealed to the Board of Supervisors. The last day to file an appeal of the Zoning Administrator's decision is the 10th day after the hearing. To file an appeal, a written statement must be filed with the Clerk of the Board with a filing fee prior to the expiration of the above noted appeal period. If you challenge the project in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Department of Planning and Building Services at, or prior to, the public hearing. All persons are invited to appear and present testimony in this matter.

AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE. Mendocino County complies with ADA requirements and upon request, will attempt to reasonably accommodate individuals with disabilities by making meeting material available in appropriate alternate formats (pursuant to Government Code Section 54953.2). Anyone requiring reasonable accommodation to participate in the meeting should contact the Department of Planning and Building Services by calling 707-234-6650 at least five days prior to the meeting.

Additional information regarding the above noted item(s) may be obtained by calling the Department of Planning and Building Services at 707-234-6650, Monday through Friday, 8:00 a.m. through 5:00 p.m. Should you desire notification of the Zoning Administrator's decision you may do so by requesting notification in writing and providing a self-addressed stamped envelope to the Department of Planning and Building Services.

JULIA KROG, Director of Planning and Building Services

### NOVEMBER 14, 2024 AP\_2024-0029

### **SUMMARY**

OWNER: Crown Castle Inc. USA

8020 Katy Freeway Houston, TX 77024

APPLICANT/AGENT: T-Mobile West LLC

Crown Castle/Tihtina Sintayehu

8020 Katy Freeway Houston, TX 77024

REQUEST: Administrative Permit to authorize an eligible facilities

request for modifications to an existing wireless communication facility that includes the removal of one Commscope VHLP4-11W-6WH microwave dish, install one Ceragon C ODU, remove one microwave cable, install one Commscope VHLP4-18/C microwave dish, install one Ceragon fiber 1P-20A RFU-D ODU, install one Amphenol fiber optic-2CX14AWG TMO cable, install one Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable, install one 2 inch innerduct, install one Commscope

highwind 6-KITIR

**LOCATION:** 9± miles northeast of Laytonville, on the north side of

Spyrock Road (CR 323) 4.4± miles northeast of its intersection with U.S. Route 101, located at 3750 Spyrock

Road, Laytonville; APN: 056-310-18.

TOTAL ACREAGE: 0.5± Acres

**GENERAL PLAN:** Remote Residential 40-Acre Minimum (RMR:40)

**ZONING:** Upland Residential- 20 Acre Minimum (UR-20)

SUPERVISORIAL DISTRICT: 4 (Gjerde)

**RECOMMENDATION:** Approve with Conditions

**STAFF PLANNER:** Keith Gronendyke

PROJECT DESCRIPTION: Administrative Permit to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes the removal of one Commscope VHLP4-11W-6WH microwave dish, install one Ceragon C ODU, remove one microwave cable, install one Commscope VHLP4-18/C microwave dish, install one Ceragon fiber 1P-20A RFU-D ODU, install one Amphenol fiber optic-2CX14AWG TMO cable, install one Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable, install one 2 inch innerduct, install one Commscope highwind 6-KITIR

<u>APPLICANT'S STATEMENT</u>: "Tower scope of work: Remove one (1) Commscope VHLP4-11W-6WH microwave dish, remove one (1) Ceragon fibeair RFU-C ODU, remove one (1) microwave cable, install one (1) Commscope VHLP4-18/C microwave dish, install one (1) Ceragon-Fibeair 1P-20A RFU-D ODU, install one (1) Amphenol fiber optic-2CX4AWG TMO cable (21/64"), install one (1) Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable (1/4"), install one (1) 2" innerduct and install one (1) Commscope highwind-6-KITIR.

### **RELATED APPLICATIONS**:

- **U 26-98:** Use Permit in 2 phases: Phase 1 to add three 15-foot antennas and one 3.88-inch GPS antenna to an existing 20-foot pole; Phase 2 to replace the existing pole with a 75-foot monopole with nine 4-foot panel antennas, two 10-foot microwave dishes and four 15-foot whip antennas, not to exceed 90 feet. The Planning Commission approved only Phase 1 of this project on 05/06/1999.
- **UM 26-98/2002:** Modification of use permit to allow the construction of a 12 foot by 15-foot equipment shelter and to mount one 3-inch GPS antenna and three additional 15-foot omni antennas to an existing 20-foot monopole at an existing telecommunications facility, for a total of six 15-foot omni antennas at the facility. Total project height of 35 feet will not be increase. Approved 10/03/2002.
- **U 5-2005:** Use Permit to reinstate an expired Use Permit Modification (UM 26-98/2002) for a wireless telecommunication site. No change is proposed to the existing facility consisting of three (3) 15-foot whip antennas and three (3) 4-foot panel antennas attached to a 20-foot monopole (for a total height of 35 feet), an 11'6" x 15' equipment shelter on a concrete slab, a generator, transformer and GPS antenna. Approved 10/20/2005.
- **U 3-2009:** Use Permit to replace an existing 30-foot-tall monopole with a wireless telecommunication facility able to support two wireless providers (T-Mobile and Verizon Wireless) consisting of a 50-foot tall "monopine" (monopole designed to resemble a pine tree), 6-panel antennas, 1-microwave dish and ground-based equipment. Approved 10/15/2009.
- **UM 3-2009/2012**: Use Permit Modification to add one (1) 52.4-inch diameter microwave dish to an existing 45 foot tall "monopine" (monopole designed to resemble a pine tree). Approved 07/19/2012.
- **UM 3-2009/2014:** Modification of existing Use Permit to extend the height of a tower from 50 feet to 70 feet. Also, installation of three (3) new antennas per sector for a total of nine (9) new antennas at the 58-foot centerline of the 70-foot monopole, and a 138 square foot equipment shelter to house a standard number of equipment cabinets and a 50-kilowatt diesel generator with a 132-gallon diesel fuel tank. Approved 12/18/2014.
- UM\_2020-0004: Modification of an existing Use Permit (UM 3-2009/2014), permitting AT&T Mobility to install new equipment in the existing compound area and increase the height of the existing tower by 20 ft. The request also includes installation of a 30 KW Generac Diesel Generator with a 190-gallon associated fuel storage tank, as well as various equipment and antenna additions to the tower itself. No action was taken by the Planning Commission, but the project was deemed approved on 03/18/2021.
- **AP\_2016-0019:** Administrative Permit to add a backup generator and propane fuel tank to an existing Cell Tower facility. Approved 10/06/2016.
- AP\_2024-0015 Administrative Permit to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes the installation of one (1) microwave dish, one (1) microwave cable, and one (1) fiber cable on an existing sixty-five foot (65') tall monopole tower.

SITE CHARACTERISTICS: The site is located on a one hundred sixteen (116) foot by one hundred twenty-six (126) foot rectangular lot that is an enclave surrounded entirely by a separate property. The surrounding property has an address of 3760 Spyrock Road (CR 323). The site is accessed by a twenty (20) foot easement running through APN: 056-310-17 which connects to Spyrock Road (CR 323). The site includes an access gate, pad, sixty-five (65) foot tall monopole tower, and other appurtenant equipment within a two thousand eight hundred nine (2,809) square foot compound area surrounded by a chain link fence. The surrounding parcel appears to contain residential and agricultural uses.

**SURROUNDING LAND USE AND ZONING:** The property is surrounded on the east and west by parcels in agricultural preserve and feature open space land for cattle grazing along with the planting of row crops on the parcel to the east. Many of the adjacent parcels are under the same ownership as the subject property as well. The following table summarizes adjacent land uses, zoning and property sizes:

	ADJACENT GENERAL PLAN	ADJACENT ZONING	ADJACENT LOT SIZES	ADJACENT USES	
NORTH:	Remote Residential (RMR:20)	Upland Residential (UR-20)	22.40± Acres	Residential/Agricultural	

EAST:	Remote Residential (RMR:20)	Upland Residential (UR-20)	24.66± Acres	Residential/Agricultural
SOUTH:	Remote Residential (RMR:20)	Upland Residential (UR-20)	20.00 and 37.95± Acres	Residential/Agricultural
WEST:	Remote Residential (RMR:20)	Upland Residential (UR-20)	28.52± Acres	Residential/Agricultural

### **PUBLIC SERVICES:**

Access: Spyrock Road (CR 323)

Water District: None Sewer District: None

Fire District: Long Valley Fire Protection District

**AGENCY COMMENTS:** On August 12, 2024, project referrals were sent to the following responsible or trustee agencies with jurisdiction over the Project. A summary of the submitted agency comments are listed below

REFERRAL AGENCIES	COMMENT
Assessor's Office	No Response
Building Inspection Ukiah	No Response
Mendocino County Air Quality Management	No Response
Department of Transportation	No Response
Environmental Health	No Response
Long Valley Fire District	No Response
Laytonville MAC	No Response
CalFire (Land Use)	No Response
California Department of Fish and Wildlife	No Response
Cloverdale Rancheria	No Response
Redwood Valley Little River Band of Pomo Indians	No Response
Sherwood Valley Band of Pomo Indians	No Response

### **ADMINISTRATIVE PERMIT REVIEW CRITIERIA**

The Zoning Administrator approves Administrative Permit (AP\_2024-0029) subject to Conditions of Approval identified by staff and further finding:

### 1. Administrative Permit Findings MCC Chapter 20.236

That the project is consistent with the General Plan and standards for development within the Upland Residential (UR: 20) Zoning designation. The subject parcel is classified as RMR 20 with a 20-acre minimum parcel size by the Mendocino County General Plan. As a 'General Use', the Upland Residential use designation allows for utility installations, such as Wireless Communication Facilities with approval of a major use permit. Per Planning Principal 2-2b, this modification request is consistent with the County's goal to "Promote telecommunications and information technology by supporting expanded opportunities for affordable high speed internet service to all areas of the county". The Mendocino County Planning Commission originally approved Use Permit U 01-01 October 4, 2001, before the county adopted Resolution No. 15-121 on August 4, 2015, which codified requirements for new telecommunication towers and established the Mendocino County Wireless Guidelines. These guidelines are designed to protect local resources and minimize adverse impacts of communications facilities in conformity with goals and policies of the General Plan; and

The project is consistent with California Government Code Section 65850.6 and Section 6409 of the Federal Middle Class Tax Relief and Job Creation Action of 2012. Staff determined that the removal and replacement of equipment to the existing wireless facility is consistent with California Government Code Section 6409 of the Federal Middle Class Tax Relief and Job Creation Action of 2012, which states: "a State or local government may not deny, and shall approve, any eligible facilities request or modification of any existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." The project consists of modifications to an existing wireless communication facility that includes the removal of one Commscope VHLP4-11W-6WH microwave dish, install one Ceragon C ODU, remove one microwave cable, install one Commscope VHLP4-18/C microwave dish, install one Ceragon fibair 1P-20A RFU-D ODU, install one Amphenol fiber optic-2CX14AWG TMO cable, install one Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable, install one 2" innerduct, install one Commscope highwind 6-KITIR. No lease area expansion is proposed; and

### 2. That the project qualifies for a Categorical Exemption under CEQA

The request for this Administrative Permit does not require expansion of the existing compound. The project is categorically exempt from the California Environmental Quality Act (CEQA), Class 1b, Section 15301(b). This exemption covers the "minor alteration" of existing facilities involving negligible or no expansion of use. The project does not propose any major alterations, expansion of use, or change of use and therefore qualifies for this exemption; and

### 3. That the project is consistent with the governing Use Permit Modification UM 2020-0004.

Staff reviewed the application along with supplemental exhibits and determined that the project as proposed is consistent with all conditions of approval for previously approved Use Permit Modification UM 2020-0004 This Governing entitlement shall expire on **December 17, 2030**, as set forth in the Resolution. A subsequent Use Permit Renewal is required prior to the expiration date. **The County will not provide a notice prior to the expiration date**.

### **CONDITIONS OF APPROVAL**

### Previous Conditions of Approval for UM\_2020-0004

\*\* Mitigation Measure

### **Aesthetics**

- 1.\*\* Prior to the issuance of a building permit for the tower addition, the new branch design proposed for this modification shall be submitted for review and approval by the Planning Department. The faux branches of the tree shall extend **beyond** the antennas and fully conceal the supporting structure and antennas along the full height of the tower. The density of the branches shall be a minimum of 2.5 branches for each one vertical foot of pole and attachment of branches shall start at a height no greater than twenty-five feet above finished grade and continue to the top of the pole. The branch length at the lowest level shall be a minimum of eight feet and shall taper appropriately as the branches progress upwards. All effort shall be made to conceal the antennas at all elevations from view. Prior to final project sign off by the Mendocino County Building Division, an evaluation of the facility's stealth capability shall be submitted for review and approval by the Mendocino County Planning Department.
- 2.\*\* The total height of the facility shall not exceed seventy (75) feet in height above ground level. Upon completion of the installation of the facility and prior to final sign-off of the building permit, the applicant shall confirm that the height is no greater than approved and shall submit a written certification to the County of the actual height. Exceeding this height limitation shall require a modification of this Use Permit.

### **Air Quality**

- 3. Any stationary onsite diesel 1C engines 50 horsepower or greater (i.e. large power generators or pumps) or any propane or natural gas engines 250 horsepower or greater may require a permit from the District.
- Portable diesel-powered equipment that may be used during the proposed project are required to be registered with the state Portable Equipment Registration Program (PERP) or obtain permits from the District.
- 5. All visibly dry disturbed soil road surfaces shall be watered to minimize fugitive dust emissions.
- 6. All unpaved surfaces, unless otherwise treated with suitable chemicals or oils, shall have a posted speed limit of 10 miles per hour.
- 7. Earth or other material that has been transported by trucking or earth moving equipment, erosion by water or other means onto paved streets shall be promptly removed.
- 8. Asphalt, oil, water or suitable chemicals shall be applied on materials stockpiles and other surfaces that can give rise to airborne dusts.
- 9. All earthmoving activities shall cease when sustained winds exceed 15 miles per hour.
- 10. The operator shall take reasonable precautions to prevent the entry of unauthorized vehicles onto the site during non-work hours.
- 11. The operator shall keep a daily log of activities to control fugitive dust.

### **CAL FIRE**

12. If any new buildings are constructed that are over 200 square feet in size, or new additions to buildings are constructed, or any changes to the existing driveway or roadway access, a State Fire Safe Regulations (PRC 4290) application will need to be completed and all conditions of approval met.

### Noise

13. The generator shall be equipped with mufflers and spark arresters and shall not produce noise levels exceeding 50 dBa at the nearest off-site residence. Routine testing and maintenance shall be limited to weekdays between 8:30 a.m. and 4:30 p.m. Repairs and emergency use are not included in this limitation. If necessary, the generator shall be enclosed by a noise barrier shelter designed by an acoustical engineer and remain oriented and screened to limit excessive noise to surrounding residences.

### **Expiration**

14. This permit is issued for a period of ten (10) years and shall expire on **December 17, 2030**. The applicant has the sole responsibility for renewing this permit before the expiration date. The County will not provide a notice prior to the expiration date. Previous Use Permit entitlement U 3-2009/2012, expiration date shall be modified to December 17, 2030, as well.

### General

15. Prior to any construction commencing, a building permit shall be obtained from the Mendocino County Building Department.

- 16. The permit holder shall contact the Mendocino County Division of Environmental Health to update the California Environmental Reporting System (CERS).
- 17. The facility shall provide, if requested, space for any public emergency service provider to locate communication equipment of the tower, provided no interference to function will result at a minimum or no fee.
- 18. The antennas and supporting structure shall be inspected every ten (10) years, and following significant storm, fire or seismic events, by a structural engineer licensed in the State of California to assess their structural integrity, and a report of the engineer's findings shall be submitted to the Planning and Building Services Department.
- 19. By commencing work allowed by this permit, the permit holder agrees to negotiate in good faith with third parties requesting shared use of the site and to require no more than a reasonable charge for colocation.

### Additional conditions for AP\_2024-0029

- 1. This Administrative Permit is subject to the conditions of approval set forth in previous governing Use Permit Modification UM\_2020-0004. The applicant shall submit to Planning and Building Services within 30 days of the approval a signed letter of acknowledgement stating that they have read all Conditions of Approval for previously approved Use and Administrative Permits and that the project will be consistent with all conditions.
- 2. This Administrative Permit shall expire and become null and void two (2) years after the effective date <u>except</u> where construction and use of this permit has been initiated within the prescribed timeframe. The County will not provide a notice prior to the expiration date.
- 3. The Permit holder shall enter the project site into the California Environmental Reporting Systems (CERS). The permit holder will furnish evidence from the Mendocino County Division of Environmental Health that either a Hazardous Materials Management Plan (HMMP) is not required or that one has been submitted to the satisfaction of the Division of Environmental Health.
- 4. Any stationary onsite diesel 1C engine 50 horsepower or greater (i.e., large power generators or pumps) or any propane or natural gas engines 250 horsepower or greater may require a permit from the Air Quality Management District.
- 5. Portable diesel-powered equipment that may be used during the proposed project are required to be registered with the state Portable Equipment Registration Program (PERP) or obtain permits from the District.
- 6. Projects located adjacent to sensitive receptors (schools, childcare facilities, health care facilities, senior facilities, businesses, residences etc.) during the construction phase of this project have the potential for exposure to diesel particulate.
- 7. Heavy duty truck idling and off-road diesel equipment or other diesel engine idling is limited to less than five minutes.
- 8. Future modifications shall be considered cumulatively to determine if request constitutes a "substantial change" to the facility under applicable federal law.
- 9. The use and occupancy of the premises shall be established and maintained in conformance with the provisions of Title 20 of the Mendocino County Code.
- 10. The application along with supplemental exhibits and related material shall be considered elements of this entitlement and compliance therewith shall be mandatory, unless a modification has been approved by the Zoning Administrator.

- 11. That this permit be subject to the securing of all necessary permits for the proposed development and eventual use from County, State and Federal agencies having jurisdiction, including Building permits. Any requirements imposed by an agency having jurisdiction shall be considered a condition of this permit.
- 12. This permit shall be subject to revocation or modification by the Zoning Administrator upon a finding of any one (1) or more of the following grounds:
  - a. That the permit was obtained or extended by fraud.
  - b. That one or more of the conditions upon which the permit was granted have been violated.
  - c. That the use for which the permit was granted is conducted in a manner detrimental to the public health, welfare or safety, or is a nuisance.

Any revocation shall proceed as specified in Title 20 of the Mendocino County Code.

- 13. This permit is issued without a legal determination having been made upon the number, size or shape of parcels encompassed within the permit boundaries. Should, at any time, a legal determination be made that the number, size or shape of parcels within the permit boundaries are different than that which is legally required by this permit, this permit shall become null and void.
- 14. Prior to the issuance of a building permit, the permit holder shall sign an Acknowledgement form agreeing to the conditional use approval and return it to the Planning and Building Services Department.

11, 1019

DATE

KEITH GRONĒNDYKE PLANNER III

Appeal Period: 10 Days Appeal Fee: \$2,674.00

### **ATTACHMENTS:**

- A. Location Map
- B. Aerial Imagery (vicinity)
- C. Aerial Imagery
- D. Application
- E. Construction Drawings
- F. Zoning Display Map
- G. General Plan Classification Map
- H. FHZ Map
- I. MAC
- J. WUI
- K. Topographic Map
- L. Soil
- M. Slope
- N. Schools Map
- O. Important Farmlands Map
- P. Adjacent Parcels

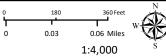




CASE: AP 2024-0029 OWNER: Crown Castle Inc. USA

APN: 056-310-18
APLCT: T-Mobile West LLC
AGENT: T-Mobile West LLC
ADDRESS: 3750 Spyrock Rd.

Approved Wireless Sites



**AERIAL IMAGERY** 



CASE: AP 2024-0029

OWNER: Crown Castle Inc. USA

APN: 056-310-18

APLCT: T-Mobile West LLC AGENT: T-Mobile West LLC ADDRESS: 3750 Spyrock Rd.



Approved Wireless Sites



**AERIAL IMAGERY** 



### PLANNING & BUILDING **SERVICES**

CASE NO:	
DATE FILED:	
FEE:	
RECEIPT NO:	
RECEIVED BY:	
	Office Use Only

### **APPLICATION FORM**

### APPLICANT:

ATTEICATT				
Name: T-Mo	ame: T-Mobile West LLC by Agent c/o Crown Castle Inc, on behlaf Tihtina Sintayehu			206-336-3228
	s: 8020 Katy Freeway Housto	n, TX 77024		
City:	State/Zip:		Email:	tihtina.sintayehu@crowncastle.com
PROPERTY C	OWNER:			
Name:	Crown Castle INC. USA		Phone:	
Mailing Address	8020 Katy Freeway Hou	ıston, TX 77024		
City:	State/Zip:		Email:	
AGENT:				
Name:	Same as applicant		Phone:	
Mailing Address	::			
City:	State/Zip:		Email:	
ASSESSOR'S	PARCEL NUMBER/S: 05	6-310-18-00		
TYPE OF APF	PLICATION:			
☐ Agricultura ☐ Agricultura ☐ Airport Lan ☐ Developm ☐ Exception	al Preserve: New Contract al Preserve: Cancellation al Preserve: Rescind & ReEnter nd Use	☐ General Plan Ar ☐ Land Division — ☐ Land Division — ☐ Land Division — ☐ Land Division — ☐ Modification of ☐ Reversion to Ac ☐ Rezoning	Minor Major Parcel Re-Subdivision Conditions	☐ Use Permit — Cottage ☐ Use Permit — Minor ☐ Use Permit — Major ☐ Use Permit — Modification ☐ Variance ☐ Other
certify that the i	information submitted with this appl	ication is true and accu	urate.	

Agent Crown Castle Anc. Tihtina Sintayehu

08/30/24

Same as applicant

### 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

TOWER SCOPE OF WORK: •REMO	VE (1) COMMSCOPE - V	/HLP4-11W-6WH MICR	OWAVE DISH •REMO	OVE (1) CERAGON	I - FIBEAIR RFU
C ODU •REMOVE (1) MICROWAVE					
FIBEAIR IP-20A_RFU-D ODU •INST					
FIBER OPTIC - DUPLEX ARMOR I/O KITIR	_TMO_CCIV2 CABLE (1	/4") •INSTALL (1) 2" IN	NERDUCT •INSTALL	(1) COMMSCOPE	- HIGHWIND-6
2. Structures/Lot Coverage	NO. C	DF UNITS	SC	QUARE FOOTAGE	
2. Structures/Lot Coverage	NO. C	DF UNITS PROPOSED	SO	QUARE FOOTAGE PROPOSED	TOTAL
					_
☐ Single Family					TOTAL
☐ Single Family ☐ Mobile Home					TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex			EXISTING		TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily			EXISTING		_
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other:			EXISTING		TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily			EXISTING		TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other: ☑ Other: Existing wirelss facitly	EXISTING	PROPOSED	EXISTING		TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other: ☑ Other:	EXISTING	PROPOSED	EXISTING		TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other: ☒ Other: Existing wirelss facitly	EXISTING	PROPOSED	EXISTING		TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other: ☒ Other: Existing wirelss facitly  GRAND TOTAL (Equal to gross are	EXISTING  a of Parcel): 2,792	PROPOSED sq ft	EXISTING  2,792 sq ft	PROPOSED	TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other: ☒ Other: Existing wirelss facitly  GRAND TOTAL (Equal to gross area	EXISTING  a of Parcel): 2,792  trial, or institutional? I	PROPOSED sq ft	EXISTING  2,792 sq ft	PROPOSED	TOTAL
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☐ Other: ☒ Other: Existing wirelss facitly  GRAND TOTAL (Equal to gross are:	EXISTING  a of Parcel): 2,792  trial, or institutional? I	PROPOSED sq ft	2,792 sq ft  If no, skip to item 4	PROPOSED	TOTAL

4. Will the pro	ject be phased? (Work bei	ng done over separate periods of t	ime)
■ NO	☐ <b>YES</b> If yes, explain	your plans for phasing:	
5. Will vegetat ■ NO	ion be removed on areas o	other than the building sites and ro	pads?
6. Will the pro ■ NO	ject involve the use or disp ☐ YES If yes, explain:		erials such as toxic substances, flammables, or explosives?
7. How much o	No. of covered spaces: No. of uncovered spaces: No. of standard spaces: No. of accessible spaces: Existing no. of spaces: Proposed additional space Total:		Size
8. Is any road o		nned? If yes, grading and drainag escribe the terrain to be traversed.	e plans may be required. (e.g., steep, moderate slope, flat, etc.)
9. For grading	or road construction, com	plete the following:	
Amount of	cut:	cubic yards	
Amount of	fill:	cubic yards	
Max. heigh	t of fill slope:	feet	
Max. heigh	t of cut slope:	feet	
Amount of	import/export:	cubic yards	
Location of	borrow or disposal site:		

	Does the pro	pject involve sand removal, mining or gravel extraction? If yes, detailed extraction, reclamation and monitoring plans
IIIa	■ NO	 □ YES
11.	Will the prop	posed development convert land currently or previously used for agriculture to another use? $\square$ YES
12.	Will the dev	elopment provide public or private recreation opportunities?  □ YES If yes, explain how:
13.	Is the propo	sed development visible from State Route 1 or other scenic route?
14.	Is the propo	sed development visible from a park, beach or other recreational area? $\square$ YES
15.	Does the de	velopment involve diking, filling, dredging or placing structures in open coastal water, wetlands, estuaries or lakes?
	Diking: Filling: Dredging: Structures:	■ NO
	If so, what is	the amount of material to be dredged/filled?: cubic yards
	Location of d	redged material disposal site?:
	Has a U.S. Ar	my Corps of Engineers permit been applied for? $\square$ NO $\square$ YES
16.	Will there be	e any exterior lighting?  — YES If yes, describe below and identify the location of all exterior lighting on the plot and building plans.
17.	<b>Utilities will</b> Electricity:	be supplied to the site as follows:  ■ Utility Company (service exists to parcel)  □ Utility Company (requires extension of service to site): feet miles  □ On Site Generation – Specify:
	Gas:	<ul> <li>☐ Utility Company/Tank</li> <li>☐ On Site Generation – Specify:</li> <li>■ None</li> </ul>
	Telephone:	■ NO □ YES

18. What will be the method of sewage disposal?
☐ Community Sewage System (specify supplier):
□ Septic Tank ■ Other (specify): No sewage on site
19. What will be the domestic water source:
☐ Community Water System (specify supplier):
☐ Well ☐ Spring
□ spring ■ Other (specify): No water on site
20. Are there any associated projects and/or adjacent properties under your ownership?
■ NO □ YES If yes, list below (Assessor's Parcel Number, address, etc.)
21. 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:
22. Describe the location of the site in terms of readily identifiable landmarks: (e.g., mailboxes, mile posts, street intersections, etc.)
23. Are there existing structures on the property? If yes and the proposal is for a subdivision, describe below and identify the use of
each structure on the plot plan or tentative map.
□ NO ■ YES
This is a modification to an existing cell tower, no subdivision.
This is a meanisalism to air existing content of the sazarrism
24. Will any existing structure be demolished or removed? If yes, describe the type of development to be demolished or removed,
including the relocation site, if applicable.
■ NO □ YES

25. What is the		n height of a	Ill structures	?					
Existing: 68		feet							
Proposed: <u></u>	58′	feet r	no change pro	opsed to heig	ght				
26. What is the	gross floo	or areas of a	ll structures,	including cov	vered parki	ng and accesso	ory buildings	?	
Existing: no	change	square fee	t						
Proposed: <u>r</u>	o change	square fee	t						
27. What is the	total lot a	area within I	property line	s?					
Total Lot Ar	ea: <u>2,792 so</u>	q ft [	□ acres <b>=</b> sq	uare feet					
-	ants and a	-				_	_		eir uses, slopes, at you feel would
-			-	_		-	-		scenic aspects. you feel would
30. Indicate the	e surrounc	ding land use	es:						
	Vacant	Residential	Agriculture	Commercial	Industrial	<b>Public Facility</b>	Timberland	Other	
North:		X							
East:		X							
South:		X							
West:									

### **CERTIFICATION AND SITE VIEW AUTHORIZATION**

- 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.

Agent Crown	Castle Anc. Tiktina Sintayehu	08/30/2024
	Owner/Authorized Agent	Date
NOTE: IF SIGNED BY AGENT, OWN	<u>NER_</u> MUST SIGN BELOW.	
AUTHORIZATION OF AGENT		
I hereby authorize and to bind me in all matters cond	Agent is applicant	to act as my representative
	vn Castle INC. Tihtina Sintayehu	08/30/2024
<del>-</del>	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 <u>if different from those identified on Page 1 of the application form.</u>

Name	Name	Name
Tihtina Sintayehu Agent c/o Crown Castle Inc, on behalf of T-Mobile West LLC		
Mailing Address	Mailing Address	Mailing Address
8020 Katy Freeway Houston, TX 77024		

COMPLETE FOR PROJECTS
LOCATED IN THE COASTAL
ZONE ONLY

### **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

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

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

Date

COMPLETE FOR PROJECTS
LOCATED IN THE COASTAL
ZONE ONLY

### **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

pbs@mendocinocounty.org

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

### **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.

08/30/24	Tihtina Sintayehu Agent c/o Crown Castle Inc, on behalf of T-Mobile West LLC
Date	Applicant

### **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.** 

ADNI	
APN Lastname, Firstname Street Address City, State Zip	
,, r	

# I Mobile

APPROVAL

T-MOBILE

**OPERATIONS** 

NETWORK

**BACKHAUL** 

PROPERTY OWNER OR REP.

CONSTRUCTION MANAGER

LAND USE PLANNER

T-MOBILE SITE NUMBER: SF40873A

**CCI-CUMMINGS** T-MOBILE SITE NAME: **MICROWAVE** T-MOBILE PROJECT:

**BUSINESS UNIT #:** 814448

3750 SPYROCK ROAD **SITE ADDRESS:** 

LAYTONVILLE, CA 95454

DATE

**MENDOCINO COUNTY: MONOPOLE** SITE TYPE:

**APPROVALS** 

SIGNATURE

64'-0" **TOWER HEIGHT:** 

### The Mobile of the second secon



### T-MOBILE SITE NUMBER: SF40873A

### BU #: **814448 CUMMINGS**

3750 SPYROCK ROAD LAYTONVILLE, CA 95454

> EXISTING 64'-0" MONOPOLE

	ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA	
0	7/31/24	NQM	CONSTRUCTION	MB	
1	8/13/24	NQM	CONSTRUCTION	MB	

# Maliam Barimani C 83084

8/13/2024 | 12:44:09 PM CDT

CROWN CASTLE USA INC. 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** 

**REVISION:** 

### SITE INFORMATION

CUMMINGS

814448

CROWN CASTLE USA INC.

SITE NAME: BU NUMBER:

TOWER OWNER: CROWN CASTLE

> 2000 CORPORATE DRIVE CANONSBURG, PA 15317

CARRIER/APPLICANT: T-MOBILE

1200 CONCORD AVENUE SUITE 500

CONCORD, CA 94520

39° 48′ 57.81″ / 39.8161°

-123° 30′ 33.89″ / -123.5094°

SITE ADDRESS: 3750 SPYROCK ROAD LAYTONVILLE, CA 95454

COUNTY: MENDOCINO

LATITUDE: LONGITUDE: LAT/LONG TYPE:

GROUND ELEVATION: 3372.8'+/- AMSL

AREA OF CONSTRUCTION: **EXISTING CURRENT ZONING:** U-R.L:20 MAP/PARCEL #: 056-310-18-00

OCCUPANCY CLASSIFICATION: U TYPE OF CONSTRUCTION:

ELECTRIC PROVIDER:

A.D.A. COMPLIANCE:

FACILITY IS UNMANNED AND

NOT FOR HUMAN HABITATION

PROPERTY OWNER: UNKNOWN

-, - -

JURISDICTION: COUNTY OF MENDOCINO 860 NORTH BUSH STREET

UKIAH, CA 95482

PG&E (800) 743-5000

CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS

ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND

THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE

ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

TOWER SCOPE OF WORK:

• REMOVE (1) COMMSCOPE - VHLP4-11W-6WH MICROWAVE DISH

• REMOVE (1) CERAGON - FIBEAIR RFU-C ODU

• REMOVE (1) MICROWAVE CABLE

• INSTALL (1) COMMSCOPE - VHLP4-18/C MICROWAVE DISH

• INSTALL (1) CERAGON - FIBEAIR IP-20A\_RFU-D ODU

• INSTALL (1) AMPHENOL FIBER OPTIC - 2CX14AWG\_TMO CABLE (21/64") • INSTALL (1) AMPHENOL FIBER OPTIC - DUPLEX ARMOR I/O\_TMO\_CCIV2

CABLE (1/4")

• INSTALL (1) 2" INNERDUCT • INSTALL (1) COMMSCOPE - HIGHWIND-6-KIT

### **APPLICABLE CODES &** PROJECT DESCRIPTION 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

NO SCALE

**LOCATION MAP** 

**CCI-CUMMINGS** 

Map data ©202

NOT CONFORMING TO THESE CODES: CODE TYPE

BUILDING MECHANICAL ELECTRICAL

2022 CALIFORNIA BUILDING CODE (CBC) 2022 CALIFORNIA MECHANICAL CODE (CMC) 2022 CALIFORNIA ELECTRICAL CODE (CEC)

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: TELAMON DATED: 7/15/24

> MOUNT ANALYSIS: TOWER ENGINEERING PROFESSIONALS DATED: 6/28/24

MICROWAVE PATH: IQ.LINK DATED: 3/18/24

ORDER ID: 667049 REVISION: 0

NSTALLER NOTE:

TWIST AND SWAY LIMITATIONS OF TIA 222 G ANNEX D FOR THIS DISH DO NOT MEET THE ALLOWABLE 3 DB DEGRADATION OR THE 10 DB DEGRADATION LIMIT.

### PROJECT TEAM

A&E FIRM:

CROWN CASTLE USA, INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317

CROWN CASTLE USA INC.

CONTACTS:

2000 CORPORATE DRIVE CANONSBURG, PA 15317

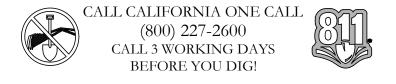
CANDI CONGER - PROJECT MANAGER CANDI.CONGER@CROWNCASTLE.COM

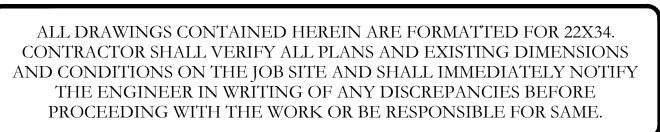
OLEG GAPONOV - AES

OLEG.GAPONOV@CROWNCASTLE.COM

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

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.





**DRAWING INDEX** 

SHEET DESCRIPTION

MICROWAVE MOUNTING DETAILS AND SPECIFICATIONS

COMMSCOPE - HIGHWIND-6-KIT SPECS

MICROWAVE DATA CUT SHEETS

SHEET#

T-1

C-1

C-3

TITLE SHEET

SITE PLAN

GENERAL NOTES

ANTENNA PLANS

TOWER ELEVATIONS

CALL CALIFORNIA ONE CALL
(800) 227-2600
DAYS

MAINTENANCE AND CONTRACTOR NOTICE TICKET.

- 1. NOTICE TO PROCEED— NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
- "LOOK UP" CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT: THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB
- PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- 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 CASTLE USA INC. 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 ANSI/TIA-322 (LATEST EDITION).
- ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED-STD-10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR
- INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS. 6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- 7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. 10. 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 CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL
- CONSTRUCTION SAFETY PROCEDURES. 11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.

PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E)

- 12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY
- 13. 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, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES
- 14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- 15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION
- 17. 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 CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- 18. CONTRACTOR 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.
- 19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION
- 20. CONTRACTOR 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.
- 21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 22. 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.

### GENERAL NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION T-MOBILE
- TOWER OWNER: CROWN CASTLE USA INC. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN

ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR

- MISCELLANEOUS WORK NOT EXPLICITLY SHOWN. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCRE<mark>PANCIES OCCUR BET</mark>WEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
- SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSI<mark>ONS AND MEASUREMENTS ON</mark> THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR 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 CROWN CASTLE ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES,
- REGULATIONS AND ORDINANCES. CONTRACTOR 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. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- 11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS
- 12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY
- DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC. 13. CONTRACTOR 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 14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

### CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 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. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF
- CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
- ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
- #4 BARS AND SMALLER..... .40 ksi
- #5 BARS AND LARGER.. ..60 ksi THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH... CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER.. #5 BARS AND SMALLER. ..1-1/2" CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- SLAB AND WALLS.... BEAMS AND COLUMNS. ..1-1/2"
- A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

### 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.
- THE CONTRACTOR SHALL PERFORM IEEE FALL—OF—POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS
- THE CONTRACTOR 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
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS 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. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED
- COPPER FOR OUTDOOR BTS. 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.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED. 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 RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING 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 CONDUIT SHALL BE
- USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., 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 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- 21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/O COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

### **ELECTRICAL INSTALLATION NOTES:**

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE
- FEDERAL, STATE, AND LOCAL CODES/ORDINANCES. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED
- AND TRIP HAZARDS ARE ELIMINATED. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR 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.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER)
- WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED. 10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH
- TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED. 11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION 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 NOT 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
- 15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- 16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS. 17. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC ON STRAIGHTS AND SCHEDULE 80 PVC UNDER ALL TRAFFIC EASEMENTS AND ALL ELBOWS/90s. ABOVE GRADE CONDUIT TO BE SCH 80 PVC OR IMC/RMC CONDUIT. EMT IS ALLOWED AT STUB UP LOCATIONS AND INDOORS ONLY.
- 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
- 21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS
- (WIREMOLD SPECMATE WIREWAY). 22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) 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. 24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
- 25. 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 BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- 26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED

APWA UNIFORM COLOR CODE:

TEMPORARY SURVEY MARKINGS

LECTRIC POWER LINES, CABLES,

CONDUIT, AND LIGHTING CABLES

GAS, OIL, STEAM, PETROLEUM, OR

COMMUNICATION, ALARM OR SIGNAL LINES,

CABLES, OR CONDUIT AND TRAFFIC LOOPS

ECLAIMED WATER, IRRIGATION, AND

WHITE | PROPOSED EXCAVATION

YELLOW GASEOUS MATERIALS

POTABLE WATER

SLURRY LINES

SEWERS AND DRAIN LINES

- NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS 27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC.
- BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS. 28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- 30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE				
SYSTEM	CONDUCTOR	COLOR		
	A PHASE	BLACK		
120/240V, 1Ø	B PHASE	RED		
120/2400, 10	NEUTRAL	WHITE		
	GROUND	GREEN		
	A PHASE	BLACK		
	B PHASE	RED		
120/208V, 3Ø	C PHASE	BLUE		
	NEUTRAL	WHITE		
	GROUND	GREEN		
	A PHASE	BROWN		
	B PHASE	ORANGE OR PURPLE		
277/480V, 3Ø	C PHASE	YELLOW		
	NEUTRAL	GREY		
	GROUND	GREEN		
DC VOLTAGE	POS (+)	RED**		
DC VOLIAGE	NEG (-)	BLACK**		

CONDUCTOR COLOR CODE

29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T-MOBILE"

\* SEE NEC 210.5(C)(1) AND (2) \*\* POLARITY MARKED AT TERMINATION

### ABBREVIATIONS

- ANTENNA EXISTING FACILITY INTERFACE FRAME
- GEN GENERATOR GPS GLOBAL POSITIONING SYSTEM
- GLOBAL SYSTEM FOR MOBILE GSM LONG TERM EVOLUTION MGB MASTER GROUND BAR

MICROWAVE

NATIONAL ELECTRIC CODE PROPOSED

MW

- POWER PLANT QTY QUANTITY RECT RECTIFIER
- RBS RADIO BASE STATION RET REMOTE ELECTRIC TILT RFDS RADIO FREQUENCY DATA SHEET REMOTE RADIO HEAD RRH
- RRU REMOTE RADIO UNIT SMART INTEGRATED DEVICE SIAD
- TMA TOWER MOUNTED AMPLIFIER TYP UMTS UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
- W.P. WORK POINT



T-MOBILE SITE NUMBER: SF40873A

> BU #: **814448 CUMMINGS**

3750 SPYROCK ROAD LAYTONVILLE, CA 95454

> EXISTING 64'-0" MONOPOLE

<b>D.</b>					
E			ISSU	ED FOR:	
	REV	DATE	DRWN	DESCRIPTION	DES./
	0	7/31/24	NQM	CONSTRUCTION	MB
	1	8/13/24	NQM	CONSTRUCTION	MB



CROWN CASTLE USA INC. 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

**REVISION:** 

## The Mobile

# CROWN CASTLE

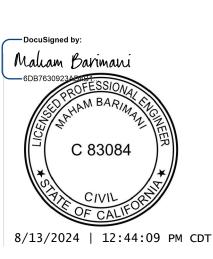
T-MOBILE SITE NUMBER: **SF40873A** 

BU #: **814448 CUMMINGS** 

3750 SPYROCK ROAD LAYTONVILLE, CA 95454

EXISTING 64'-0"
MONOPOLE

	ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION	DES./QA
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1	8/13/24	NQM	CONSTRUCTION	MB

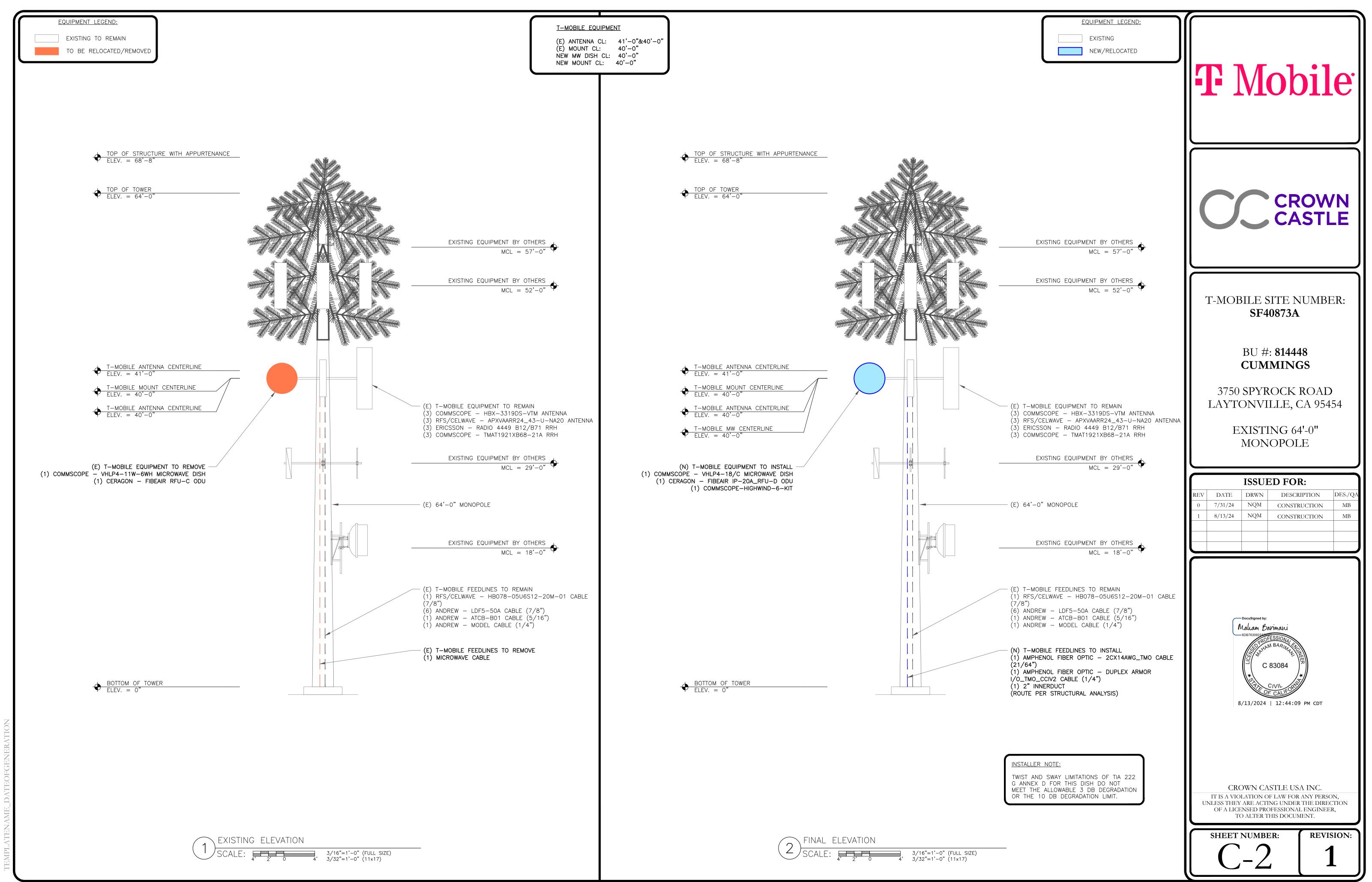


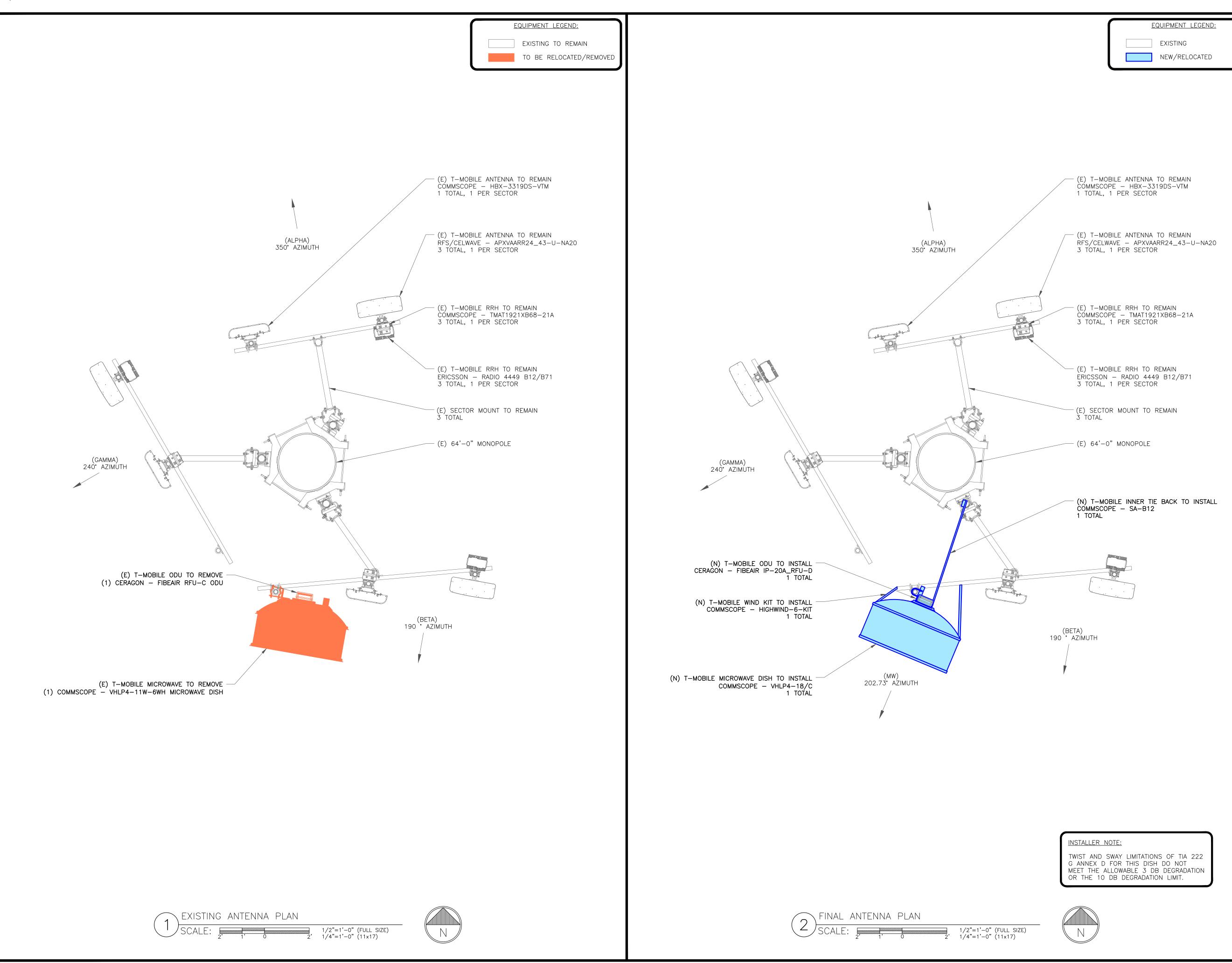
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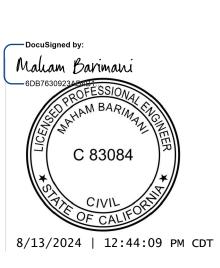
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3750 SPYROCK ROAD LAYTONVILLE, CA 95454

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0	7/31/24	NQM	CONSTRUCTION	MB
1	8/13/24	NQM	CONSTRUCTION	MB

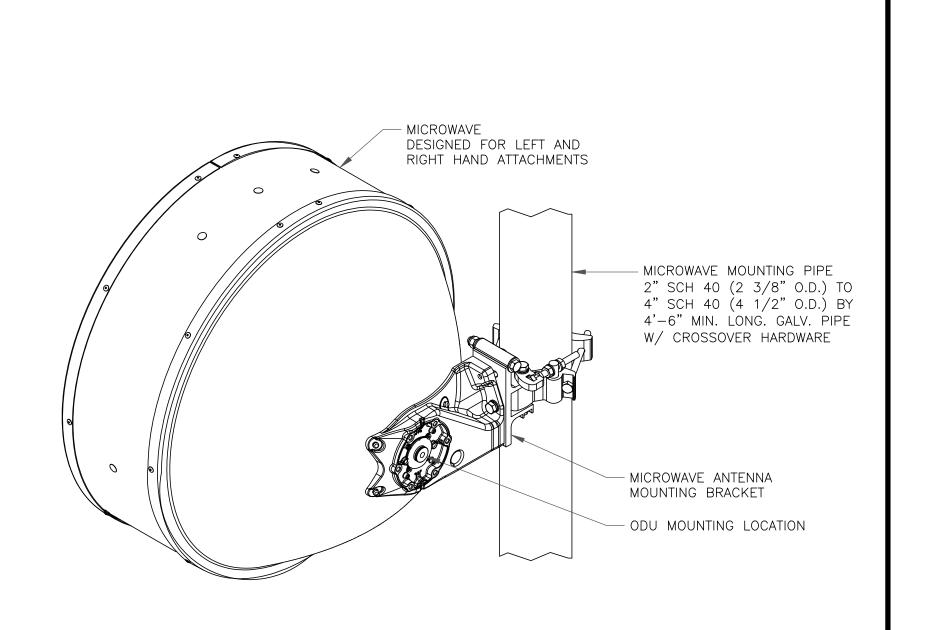


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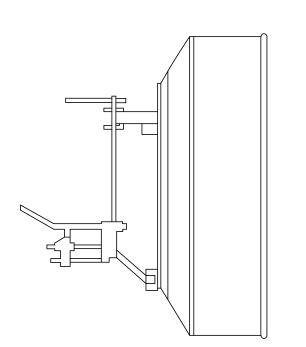
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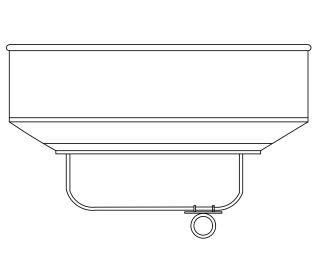
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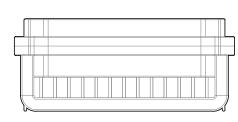
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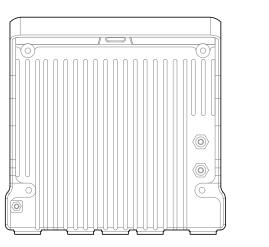




MI	MICROWAVE SPECS				
MA	NUFACTURER	COMMSCOPE			
	MODEL #	VHLP4-18/C			
	ØxD	50.8"ø x 29.50"			
	WEIGHT	70.54 LBS			

 $\setminus$  COMMSCOPE - VHLP4-18/C 2) SCALE: NOT TO SCALE





ODU SPECS		
MANUFACTURER	CERAGON	
MODEL #	FIBEAIR IP-20A RFU-D	
HxWxD	9.05" x 9.17" x 3.85"	
WEIGHT	14.33 LBS	

CERAGON - FIBEAIR IP-20A RFU-D
SCALE: NOT TO SCALE

# The Mobile



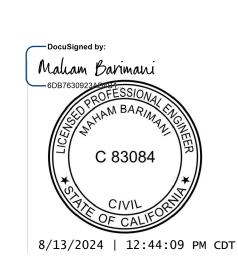
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3750 SPYROCK ROAD LAYTONVILLE, CA 95454

> EXISTING 64'-0" MONOPOLE

	ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	7/31/24	NQM	CONSTRUCTION	MB
1	8/13/24	NQM	CONSTRUCTION	MB



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**SHEET NUMBER:** 

**REVISION:** 

SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

### HIGHWIND-6-KIT



High wind upgrade kit for LX6, HX6 & USX6 antennas.

### **Product Classification**

Product Type Wind upgrade kit

Material Specifications

Material Type Galvanized steel

Mechanical Specifications

Wind Speed, survival 250 km/h | 155.343 mph

### Packaging and Weights

Included Anchor bracket (2x) | Strut pipe, 3m (2x) | Tower clamp kit (2x)

### Regulatory Compliance/Certifications

### Agency Classification

CHINA-ROHS Above maximum concentration value

ROHS Compliant/Exempted UK-ROHS Compliant/Exempted



### \* Footnotes

Wind Speed, survival The maximum wind speed the antenna, including mounts and radomes, where applicable, will

withstand without permanent deformation. Realignment may be required. This wind speed is

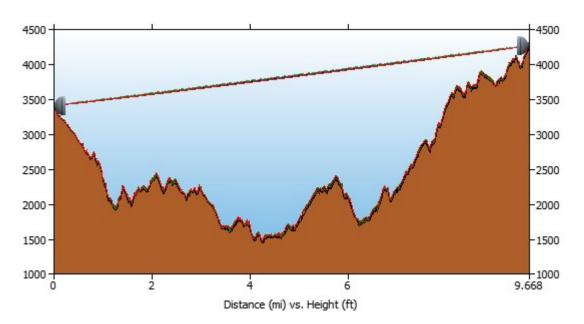
applicable to antenna with the specified amount of radial ice.



### iQ.link — Link Budget Report

Date Printed: 18-MAR-2024 Link ID: 4008172 Region: West

Create Date: 18-MAR-2024 Link Name: SF40873A\_SF40872A Created By: NCuenco1



Path length (9.67 mi)

SF40873A		
Latitude:	39-48-57.6 N	
Longitude:	123-30-33.8 W	
Azimuth:	202.73 Deg	
Elevation:	3366.14 ft	
Antenna CL:	40.00 ft AGL	

Frequency (GHz) = 18.00 GHz		
K1:	1.33	
%F1:	0.60	
K2:	0.67	
%F2:	0.30	
K3:	1.33	
%F3:	1.00	

SF40872A									
Latitude:	39-41-12.2 N								
Longitude:	123-34-46.1 W								
Azimuth:	22.68 Deg								
Elevation:	4212.60 ft								
Antenna CL:	55.00 ft AGL								

-	Transmission details						
SITE ID:	SF40873A	SF40872A					
CLUSTER_ID:	SF40873A	SF40873A					
CALL_SIGN:	WRPB317	WRPP509					
ASR #:							
AAV_CONTRACT_ID:	GIL93	TMW01					
AAV_CONTRACT_STATUS:	Selected	Selected					
Ethernet Installed:	Ethernet	Ethernet					
Latitude:	39-48-57.6 N	39-41-12.2 N					
Longitude:	123-30-33.8 W	123-34-46.1 W					
Azimuth (deg):	202.73 Deg	22.68 Deg					
Vertical angle (deg):	0.91 Up	1.02 Down					
Elevation:	3366.14 ft	4212.60 ft					
Antenna model:	VHLP4-18C	VHLP4-18C					
Antenna manufacturer:	ANDREW CORPORATION	ANDREW CORPORATION					
Antenna Id:	232	232					
Antenna gain (dBi):	44.70 dBi	44.70 dBi					
Antenna diameter:	3.94 ft	3.94 ft					
Antenna CL:	40.00 ft AGL	55.00 ft AGL					
Diversity Antenna model:							
Diversity Antenna manufacturer:							
Diversity Antenna Id:							
Diversity Antenna gain (dBi):							
Diversity Antenna diameter:							
Diversity Antenna CL:							
Branch Loss Tx/Rx (dB):	0.50/0.50	0.50/0.50					
Attenuator Common/Tx/Rx (dB):							
Waveguide #1 Model, Len, Loss(dB):							
Waveguide #2 Model, Len, Loss(dB):							
Waveguide #3 Model, Len, Loss(dB):							
Total Waveguide Loss (dB):							
Other Losses (dB):	0.00	0.00					
Frequency (GHz):	18.00	) GHz					
Path length:	9.67 mi						
Free space loss (dB):	141.3	39 dB					
Atmospheric absorption loss (dB):	0.84						
Obstruction Loss (dB):	·						
Field margin (dB):		) dB					
Net path loss (dB):	54.33 dB	54.33 dB					
Configuration:	2+0/DP/DM/OMT	2+0/DP/DM/OMT					
Radio model:	IP20D-D18-80X-A_4501	IP20D-D18-80X-A_4501					
Radio manufacturer:	Ceragon Networks	Ceragon Networks					

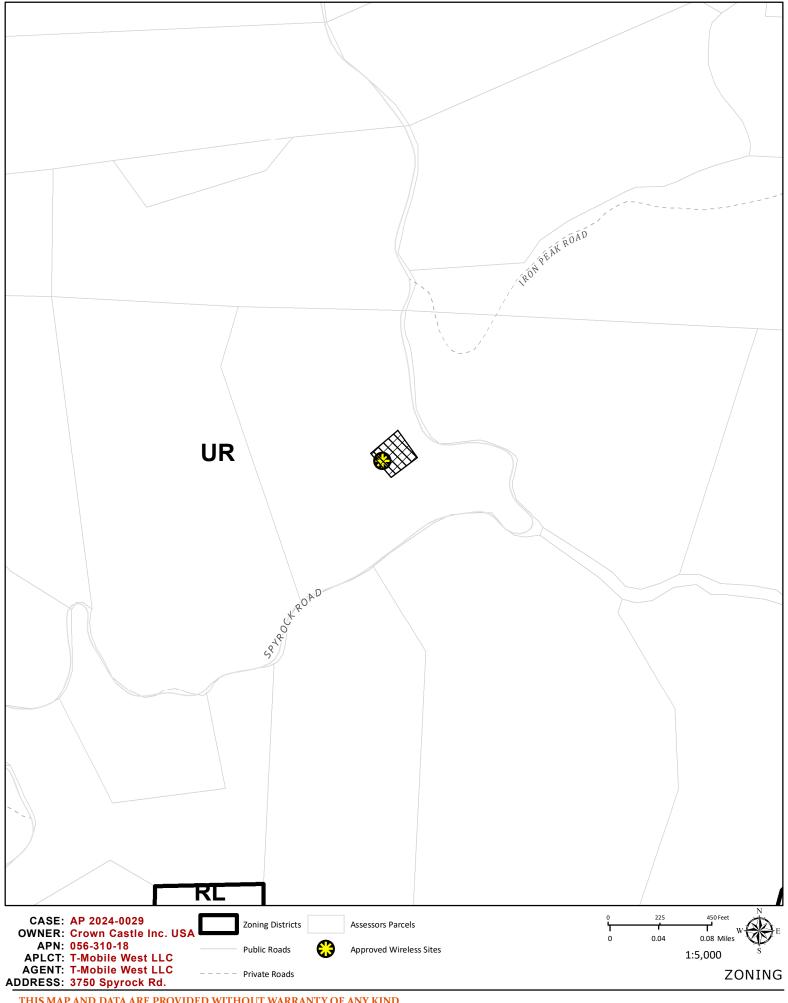
Radio Id:	749	749						
Frequency Plan: Frequency (MHz):	Low: 17980.000 /18060.000	High: 19540.000 /19620.000						
Polarization:	H/V	H/V						
Emission designator:	80M0D7W	80M0D7W						
Climatic factor:	1.0	00						
Terrain roughness factor:	0.:	25						
Average annual temperature:	: 55.13 degF							
Design Path Polarity:	: Vertical							
Rain region:	Eureka, (	California						
0.01% Rain Rate:	23.3 r	nm/hr						
	Passive Repeaters							
Antenna model:	1:							
Antenna manufacturer:	r:							
Antenna height:								

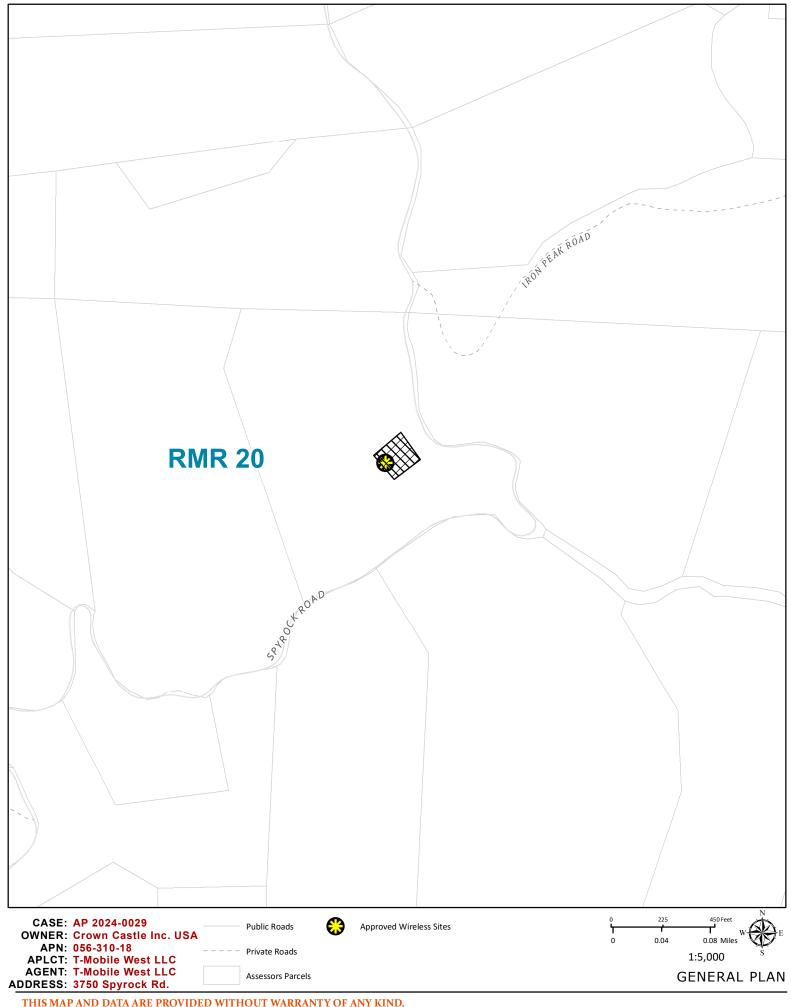
Modulation / Throughput	Tx Pow (dB	er A/B sm)	EIRP A/B (dBm)		Receive Signal A/B (dBm)		Composite Fade Margin A/ B (dB)		Radio Threshold/ ACM Drop Level A/B (dBm)	
BPSK 67.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	52.17	52.17	-85.00	-85.00
4QAM 136.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	46.17	46.17	-79.00	-79.00
8QAM 195.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	42.67	42.67	-75.50	-75.50
16QAM 279.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	39.67	39.67	-72.50	-72.50
32QAM 368.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	36.17	36.17	-69.00	-69.00
64QAM 451.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	33.17	33.17	-66.00	-66.00
128QAM 533.00 Mbps	22.00	22.00	66.20	66.20	-31.83	-31.83	30.17	30.17	-63.00	-63.00
256QAM 614.00 Mbps	20.00	20.00	64.20	64.20	-33.83	-33.83	25.67	25.67	-60.50	-60.50
512QAM 675.00 Mbps	20.00	20.00	64.20	64.20	-33.83	-33.83	22.67	22.67	-57.50	-57.50
1KLQAM 735.00 Mbps	20.00	20.00	64.20	64.20	-33.83	-33.83	19.67	19.67	-54.50	-54.50
1KHQAM 780.00 Mbps	20.00	20.00	64.20	64.20	-33.83	-33.83	19.17	19.17	-54.00	-54.00
2KQAM 826.00 Mbps	18.00	18.00	62.20	62.20	-35.83	-35.83	14.17	14.17	-51.00	-51.00

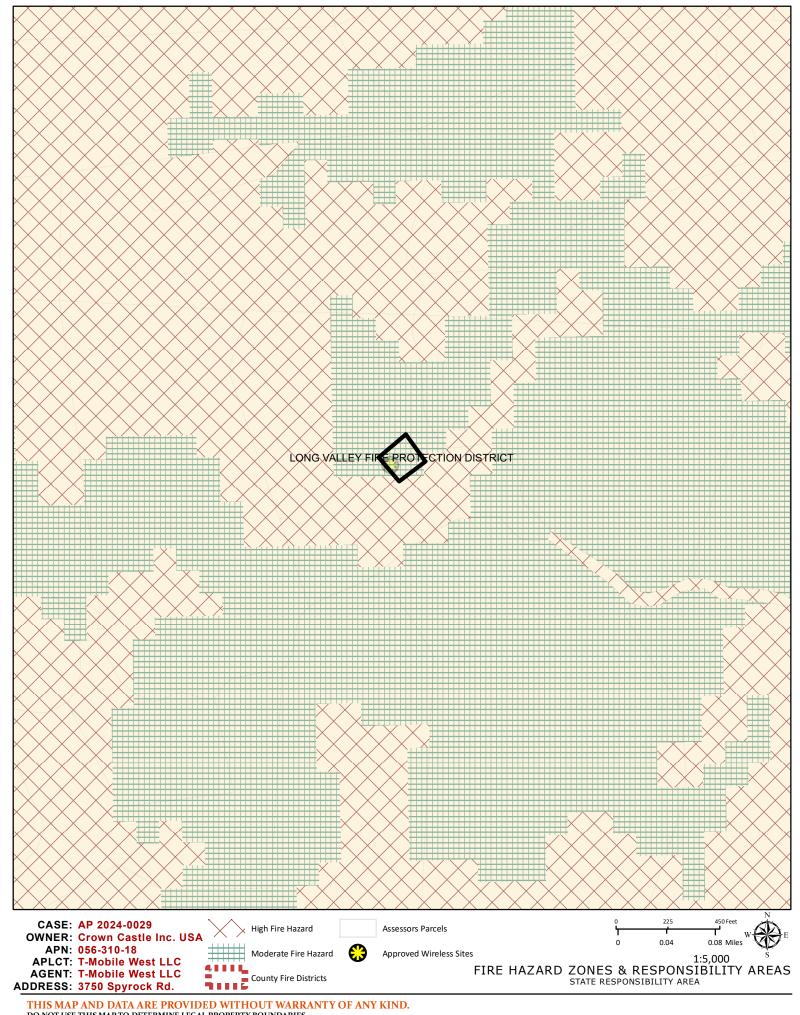
Modulation/ Throughput	Worst Month Multipath				Annual Multipath		Annual Rain		Total Annual		Total Active in Mode	
	(100-%)	(s)	(100-%)	(s)	(100-%)	(s)	(100-%)	(s)	(100-%)	(s)	(100-%)	(s)
BPSK 67.00 Mbps	99.99998 8	0.32	99.99757 5	63.73	99.99999 7	1.07	99.99970 5	92.96	99.99970 2	94.04	0.000251	79.05
4QAM 136.00 Mbps	99.99995 1	1.29	99.99592 6	107.06	99.99998 6	4.27	99.99946 5	168.82	99.99945 1	173.09	0.000256	80.72
8QAM 195.00 Mbps	99.99989 0	2.89	99.99438 3	147.60	99.99997 0	9.57	99.99922 6	244.24	99.99919 5	253.81	0.000341	107.63
16QAM 279.00 Mbps	99.99978 0	5.77	99.99246 7	197.98	99.99993 9	19.09	99.99891 4	342.35	99.99885 4	361.44	0.000644	203.21
32QAM 368.00 Mbps	99.99950 8	12.92	99.98913 0	285.67	99.99986 4	42.74	99.99834 5	521.91	99.99821 0	564.65	0.000927	292.32
64QAM 451.00 Mbps	99.99901	25.78	99.98472	401.38	99.99973	85.28	99.99755	771.69	99.99728	856.97	0.001557	490.95

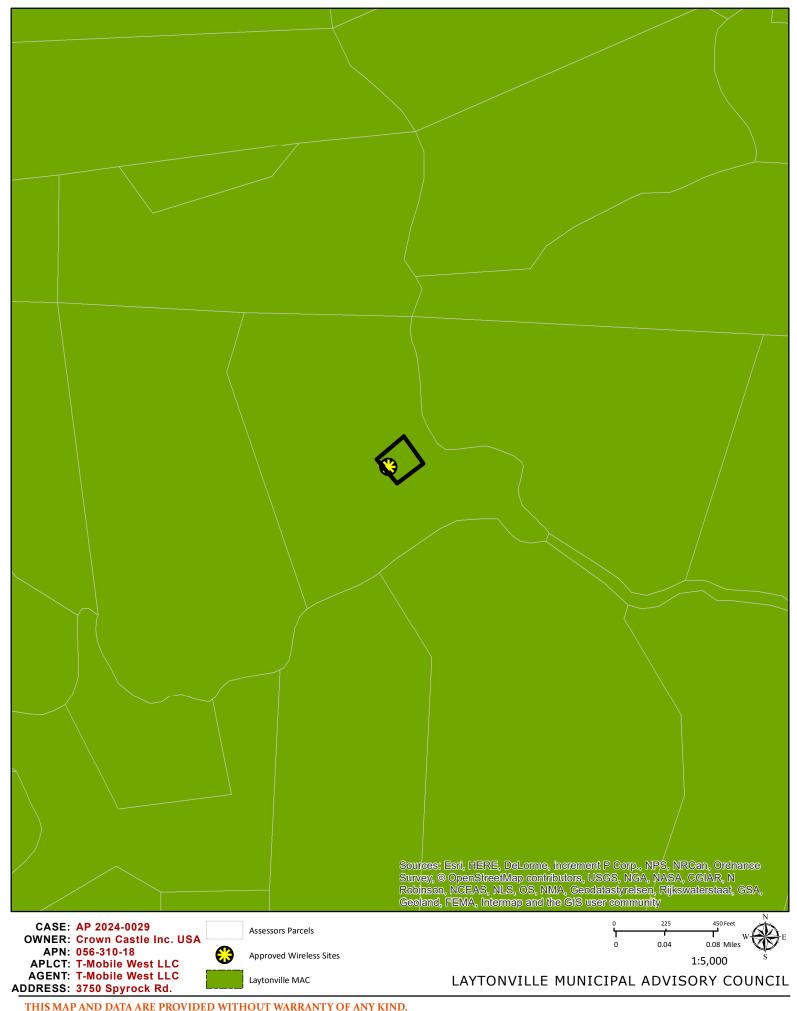
	9		7		0		3		3			
128QAM 533.00 Mbps	99.99804	51.44	99.97794 1	579.72	99.99946	170.15	99.99626	1177.77	99.99572 6	1347.92	0.004886	1540.92
256QAM 614.00 Mbps	99.99448 3	144.98	99.95889 6	1080.20	99.99847 9	479.55	99.99236 0	2409.30	99.99084 0	2888.85	0.006822	2151.28
512QAM 675.00 Mbps	99.98899	289.26	99.93497 0	1709.00	99.99696 6	956.83	99.98705 2	4083.30	99.98401 8	5040.13	0.013533	4267.76
1KLQAM 735.00 Mbps	99.97803 8	577.16	99.89095 8	2865.61	99.99394 6	1909.12	99.97653 9	7398.76	99.97048 5	9307.88	0.003474	1095.67
1KHQAM 780.00 Mbps	99.97535 8	647.58	99.87998 3	3154.05	99.99320 8	2142.07	99.97380 3	8261.48	99.96701 1	10403.55	0.071189	22450.12
2KQAM 826.00 Mbps	99.92207 6	2047.83	99.67388 4	8570.32	99.97852 0	6773.82	99.91730 1	26079.85	99.89582 2	32853.67	99.89582	3150314 6.33

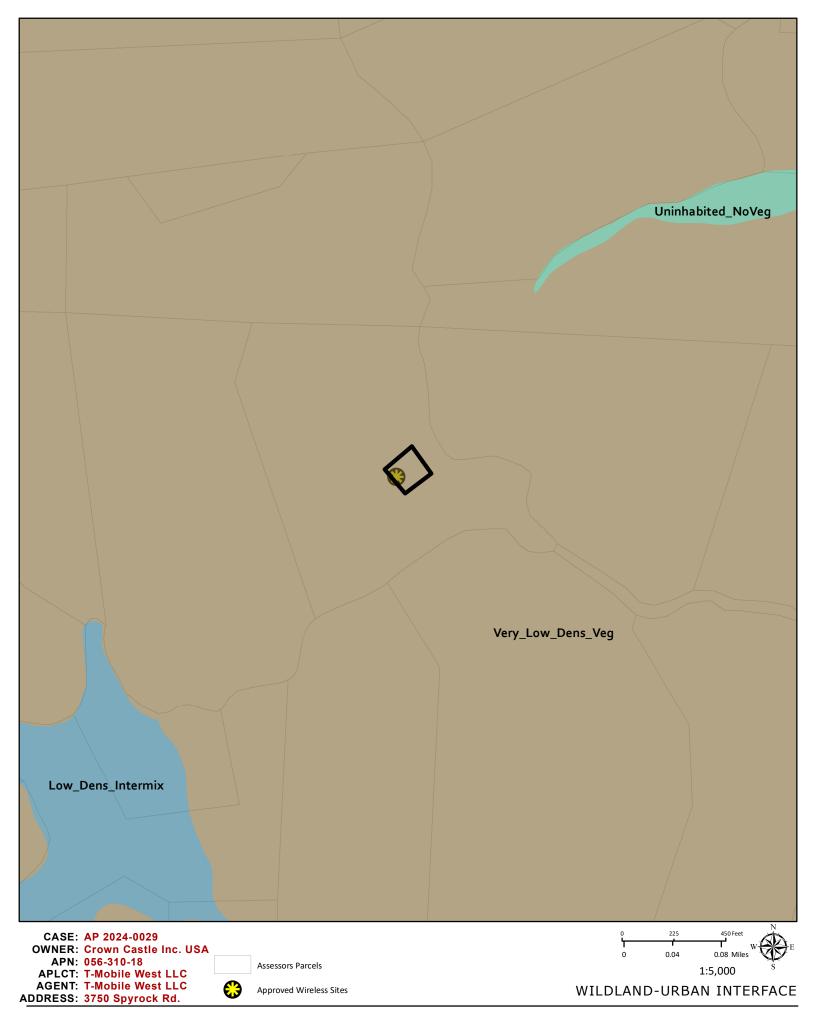
Multipath fading method - VIGANTS Rain fading method - Auto Crane City/Eureka, California

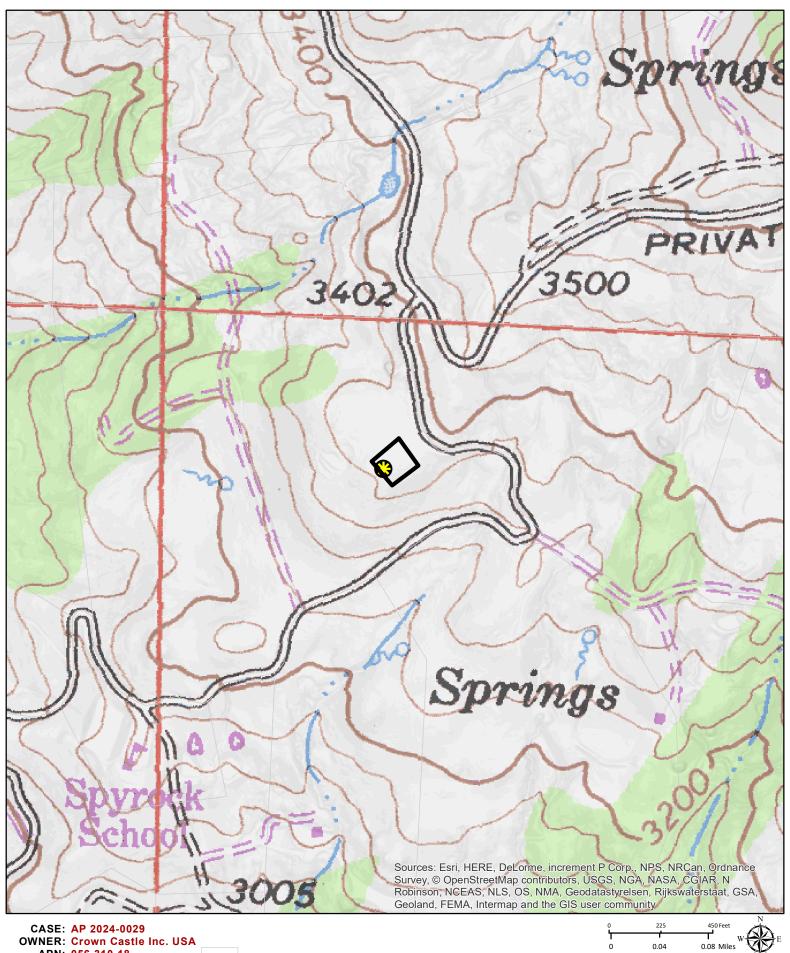








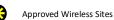




APN: 056-310-18

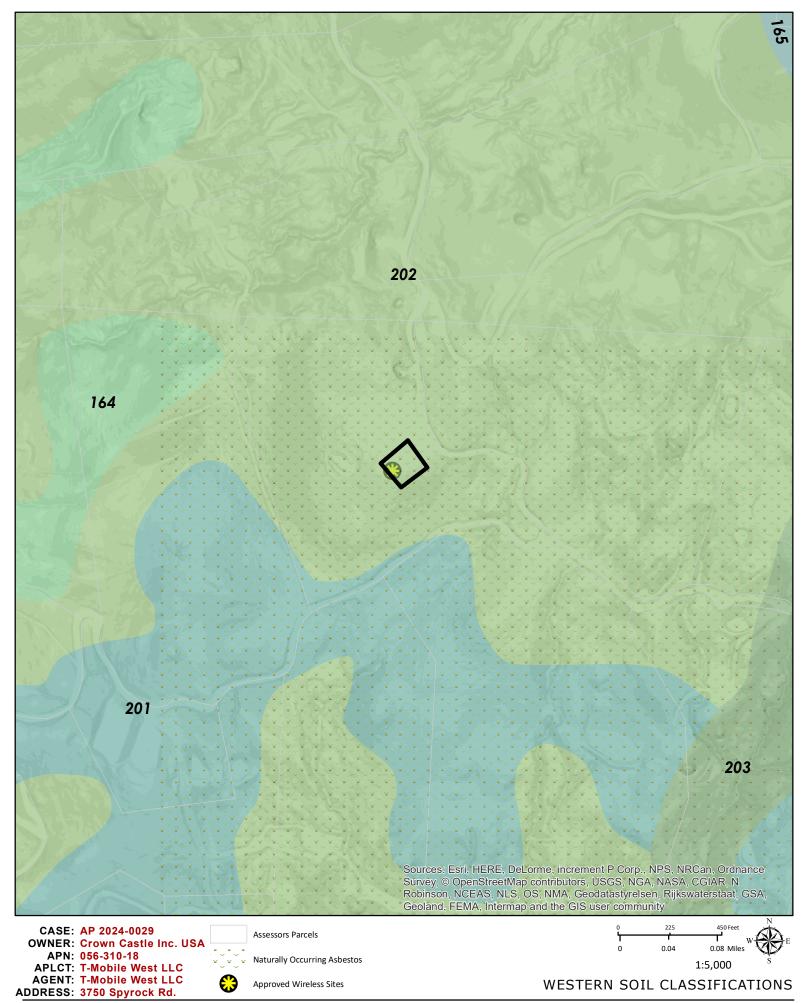
**APLCT: T-Mobile West LLC AGENT: T-Mobile West LLC** ADDRESS: 3750 Spyrock Rd.

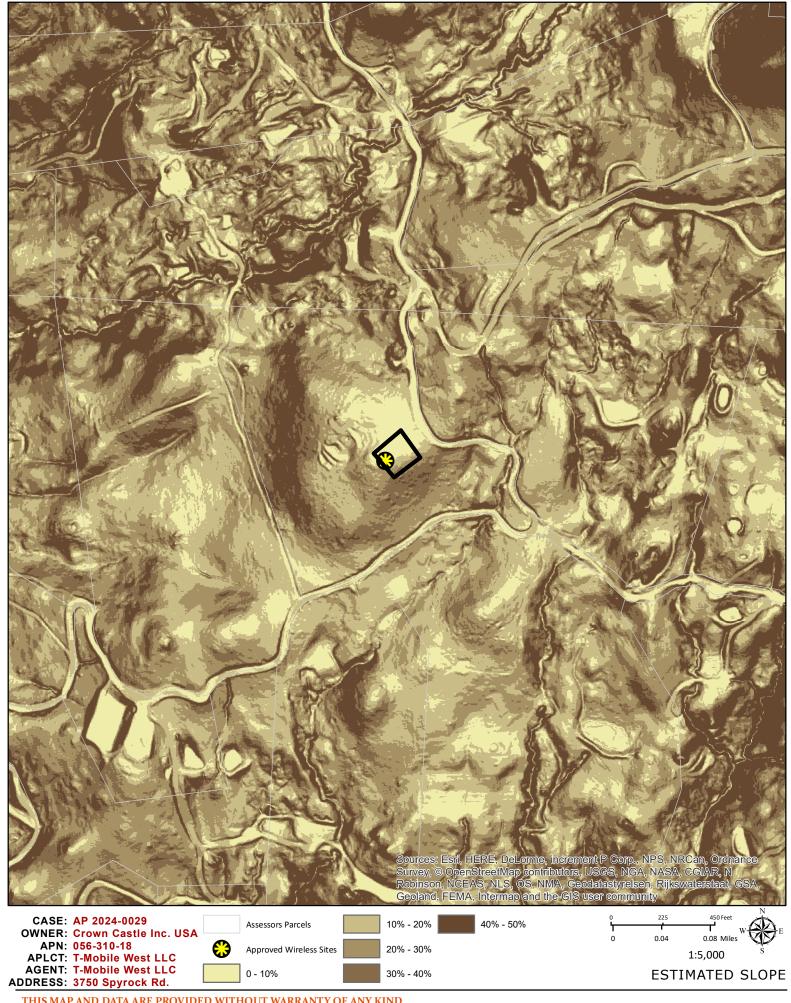
**Assessors Parcels** 



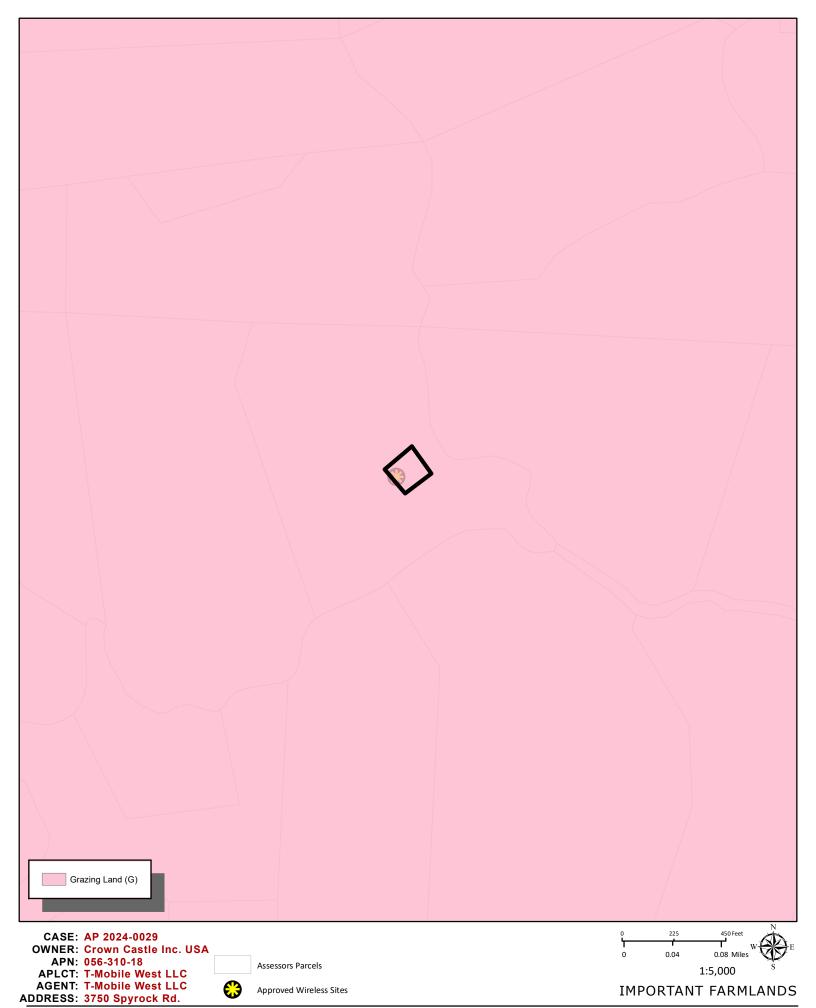
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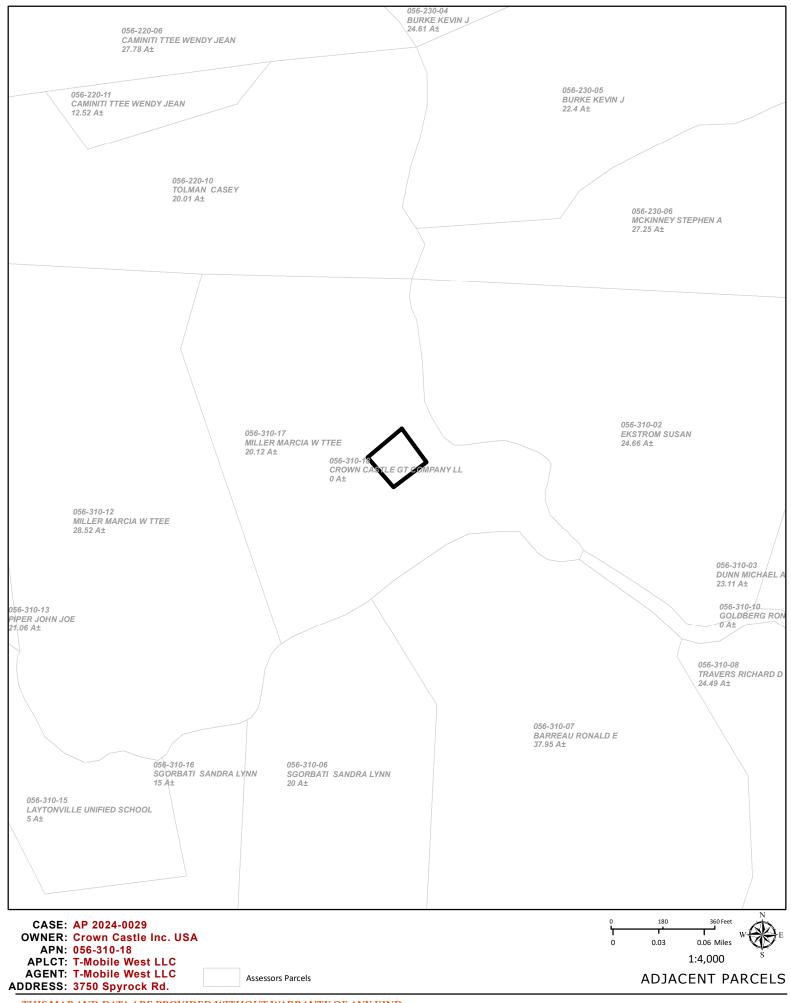
TOPOGRAPHIC MAP CONTOUR INTERVAL IS 40 FEET











# County of Mendocino Ukiah, California

## **NOVEMBER 14, 2024**

AP\_2024-0029 - CROWN CASTLE GT COMPANY LLC

RESOLUTION OF THE ZONING ADMINISTRATOR, COUNTY OF MENDOCINO, STATE OF CALIFORNIA, APPROVING A CATEGORICAL EXEMPTION AND GRANTING AN ADMINISTRATIVE PERMIT FOR THE ADDITION OF NEW EQUIPMENT TO AN EXISTING CELLULAR ANTENNA TOWER

WHEREAS, the permit holder, CROWN CASTLE GT COMPANY LLC and Tihtina Sintayehu, filed an application for an Administrative Permit with the Mendocino County Department of Planning and Building Services to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes the removal of one Commscope VHLP4-11W-6WH microwave dish, install one Ceragon C ODU, remove one microwave cable, install one Commscope VHLP4-18/C microwave dish, install one Ceragon fiber 1P-20A RFU-D ODU, install one Amphenol fiber optic-2CX14AWG TMO cable, install one Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable, install one 2 inch innerduct, install one Commscope highwind 6-KITIR, located 9± miles northeast of Laytonville, on the north side of Spyrock Road (CR 323) 4.4± miles northeast of its intersection with U.S. Route 101, located at 3750 Spyrock Road, Laytonville; (APN: 056-310-18); General Plan RMR:40; Zoning UR-20; Supervisorial District 4; (the "Project"); and

WHEREAS, a categorical exemption was prepared for the Project and noticed and made available for agency and public review on October 31, 2024, in accordance with the California Environmental Quality Act (CEQA) and the State and County CEQA Guidelines; and

WHEREAS, in accordance with applicable provisions of law, the Zoning Administrator held a public hearing on November 14, 2024, at which time the Administrative Permit application was heard and received all relevant testimony and evidence presented orally or in writing regarding the categorical exemption and the Project. All interested persons were given an opportunity to hear and be heard regarding the categorical exemption; and

WHEREAS, the Zoning Administrator has had an opportunity to review this Resolution and finds that it accurately sets for the intentions of the Zoning Administrator regarding the categorical exemption and the Project.

NOW, THEREFORE, BE IT RESOLVED, that the Zoning Administrator, based upon the evidence in the record before it, makes the following findings;

**1. General Plan and Zoning Findings:** The property has a General Plan designation of Remote Residential (RMR 40) and is zoned Upland Residential 20 acre minimum (UR-20).

The proposed project is in conformity with the General Plan, which is classified as Remote Residential (RMR: 40). As a 'General Use', the Remote Residential use designation allows for utility installations, such as Wireless Communication Facilities. Per Planning Principal 2-2b, this request is consistent with the County's goal to "Promote telecommunications and information technology by supporting expanded opportunities for affordable high speed internet service to all areas of the county." 1

# 2. Administrative Permit Findings:

a. That the establishment, maintenance or operation of a use or building applied for is in conformity to the General Plan.

Policy DE-4 of the Mendocino County General Plan states in part: "Zoning shall be consistent with this General Plan..." The Upland Residential zoning designation of the subject property (UR 20) is consistent with the Remote Residential General Plan designation (RMR40). As such this project is consistent with the Mendocino County General Plan.

b. That adequate utilities, access roads, drainage and other necessary facilities have been or are being provided;

Adequate utilities, access roads, drainage, and other necessary facilities have been or are being provided. All proposed modifications would be located on the existing tower, ancillary equipment, or within the existing compound area. The facility does not require a water supply or sewage disposal system. Adequate utilities and facilities were established when the wireless communication facility was first permitted, and staff has found that the site continues to comply with the ongoing conditions of approval contained in prior entitlements

c. That such use will not, under the circumstances of that particular case constitute a nuisance or be detrimental to the health, safety, peace, morals, comfort or general welfare of persons residing or working in or passing through the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the county; provided, that if any proposed building or use in necessary of the public health, safety or general welfare, the finding shall be to that effect.

Such use will not, under the circumstances of this particular case, constitute a nuisance or be detrimental to the health, safety, peace, morals, comfort, or general welfare of persons residing or working in or passing through the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the county. The proposed modifications would not substantially change the physical dimensions of the tower. The Project is not expected to utilize any hazardous materials or generate substantial noise

d. That such use preserves the integrity of the zoning district.

Such use preserves the integrity of the zoning district. As shown in the submitted plans, the Project conforms to the requirements of the Upland Residential (UR 20) zoning district and prior entitlements, including setbacks, height limit, and residential density. The Project preserves the integrity of the zoning district because Project activities would be limited to the existing compound area and would not encroach upon other portions of the property. The project would be limited to the existing compound area. Therefore, additional agricultural or residential land would not be converted to non-agricultural or non-residential use

- **3. Environmental Protection:** The project has been determined to be categorically exempt from CEQA per Section 15304 (e), Class 4, which allows "Minor temporary use of land having negligible or no permanent effects on the environment, including carnivals, sales of Christmas trees etc.".
- **4. Cultural Resources:** The proposed project will not have any adverse impacts on any known archaeological or paleontological resource.

# 5. That the project is consistent with the governing Use Permit Modification UM 2020-0004.

Staff reviewed the application along with supplemental exhibits and determined that the project as proposed is consistent with all conditions of approval for previously approved Use Permit Modification UM 2020-0004 This Governing entitlement shall expire on **December 17, 2030**, as set forth in the Resolution. A subsequent Use Permit Renewal is required prior to the expiration date. **The County will not provide a notice prior to the expiration date**.

BE IT FURTHER RESOLVED that the Zoning Administrator hereby approves the Categorical Exemption. The Zoning Administrator certifies that the Categorical Exemption has been completed, reviewed, and considered, together with the comments received during the public review process, in compliance with CEQA and State and County CEQA Guidelines, and finds that the Categorical Exemption reflects the independent judgment and analysis of the Zoning Administrator.

BE IT FURTHER RESOLVED that the Zoning Administrator hereby grants the requested Administrative Permit, subject to the Conditions of Approval in Exhibit "A", attached hereto.

BE IT FURTHER RESOLVED that the Zoning Administrator designates the Secretary as the custodian of the document and other material which constitutes the record of proceedings upon which the Zoning Administrator decision herein is based. These documents may be found at the office of the County of Mendocino Planning and Building Services, 860 North Bush Street, Ukiah, CA 95482.

BE IT FURTHER RESOLVED that the Zoning Administrator action shall be final on the 11<sup>th</sup> day after the date of the Resolution unless an appeal is filed pursuant to Section 20.544.015 of the Mendocino County Code. The permit shall become effective after the ten working day appeal period to the Board of Supervisors has expired and no appeal has been filed with the Board of Supervisors.

I hereby certify that according to the Provisions of Government Code Section 25103 delivery of this document has been made.

ATTEST:	JAMES FEENAN	JULIA KROG
	Commission Services Supervisor	Zoning Administrator
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#### **EXHIBIT A**

#### **CONDITIONS OF APPROVAL**

### **AP\_2024-0029 - CROWN CASTLE**

### **NOVEMBER 14, 2024**

<u>APPROVED PROJECT DESCRIPTION:</u> Administrative Permit to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes the removal of one Commscope VHLP4-11W-6WH microwave dish, install one Ceragon C ODU, remove one microwave cable, install one Commscope VHLP4-18/C microwave dish, install one Ceragon fiber 1P-20A RFU-D ODU, install one Amphenol fiber optic-2CX14AWG TMO cable, install one Amphenol fiber optic-duplex armor I/O TMO CCIV2 cable, install one 2" innerduct, install one Commscope highwind 6-KITIR

# **CONDITIONS OF APPROVAL**

# Previous Conditions of Approval for UM\_2020-0004

\*\* Mitigation Measure

#### **Aesthetics**

- 1.\*\* Prior to the issuance of a building permit for the tower addition, the new branch design proposed for this modification shall be submitted for review and approval by the Planning Department. The faux branches of the tree shall extend **beyond** the antennas and fully conceal the supporting structure and antennas along the full height of the tower. The density of the branches shall be a minimum of 2.5 branches for each one vertical foot of pole and attachment of branches shall start at a height no greater than twenty-five feet above finished grade and continue to the top of the pole. The branch length at the lowest level shall be a minimum of eight feet and shall taper appropriately as the branches progress upwards. All effort shall be made to conceal the antennas at all elevations from view. Prior to final project sign off by the Mendocino County Building Division, an evaluation of the facility's stealth capability shall be submitted for review and approval by the Mendocino County Planning Department.
- 2.\*\* The total height of the facility shall not exceed seventy feet (75) in height above ground level. Upon completion of the installation of the facility and prior to final sign-off of the building permit, the applicant shall confirm that the height is no greater than approved and shall submit a written certification to the County of the actual height. Exceeding this height limitation shall require a modification of this Use Permit.

# Air Quality

- 3. Any stationary onsite diesel 1C engines 50 horsepower or greater (i.e. large power generators or pumps) or any propane or natural gas engines 250 horsepower or greater may require a permit from the District.
- 4. Portable diesel-powered equipment that may be used during the proposed project are required to be registered with the state Portable Equipment Registration Program (PERP) or obtain permits from the District.
- 5. All visibly dry disturbed soil road surfaces shall be watered to minimize fugitive dust emissions.

- 6. All unpaved surfaces, unless otherwise treated with suitable chemicals or oils, shall have a posted speed limit of 10 miles per hour.
- 7. Earth or other material that has been transported by trucking or earth moving equipment, erosion by water or other means onto paved streets shall be promptly removed.
- 8. Asphalt, oil, water or suitable chemicals shall be applied on materials stockpiles and other surfaces that can give rise to airborne dusts.
- 9. All earthmoving activities shall cease when sustained winds exceed 15 miles per hour.
- 10. The operator shall take reasonable precautions to prevent the entry of unauthorized vehicles onto the site during non-work hours.
- 11. The operator shall keep a daily log of activities to control fugitive dust.

## **CAL FIRE**

12. If any new buildings are constructed that are over 200 square feet in size, or new additions to buildings are constructed, or any changes to the existing driveway or roadway access, a State Fire Safe Regulations (PRC 4290) application will need to be completed and all conditions of approval met.

#### Noise

13. The generator shall be equipped with mufflers and spark arrestors and shall not produce noise levels exceeding 50 dBa at the nearest off-site residence. Routine testing and maintenance shall be limited to weekdays between 8:30 a.m. and 4:30 p.m. Repairs and emergency use are not included in this limitation. If necessary, the generator shall be enclosed by a noise barrier shelter designed by an acoustic engineer and remain oriented and screened to limit excessive noise to surrounding residences.

### **Expiration**

14. This permit is issued for a period of ten (10) years and shall expire on **December 17, 2030**. The applicant has the sole responsibility for renewing this permit before the expiration date. The County will not provide a notice prior to the expiration date. Previous Use Permit entitlement U 3-2009/2012, expiration date shall be modified to December 17, 2030, as well.

### General

- 15. Prior to any construction commencing, a building permit shall be obtained from the Mendocino County Building Department.
- 16. The permit holder shall contact the Mendocino County Environmental Health Department to update the California Environmental Reporting System (CERS).
- 17. The facility shall provide, if requested, space for any public emergency service provider to locate communication equipment of the tower, provided no interference to function will result at a minimum or no fee.
- 18. The antennas and supporting structure shall be inspected every ten years, and following significant storm, fire or seismic events, by a structural engineer licensed in the State of California to assess

- their structural integrity, and a report of the engineer's findings shall be submitted to the Planning and Building Services Department.
- 19. By commencing work allowed by this permit, the permit holder agrees to negotiate in good faith with third parties requesting shared use of the site and to require no more than a reasonable charge for colocation.

# Additional conditions for AP\_2024-0029

- 1. This Administrative Permit is subject to the conditions of approval set forth in previous governing Use Permit Modification UM\_2020-0004. The applicant shall submit to Planning and Building Services within 30 days of the approval a signed letter of acknowledgement stating that they have read all Conditions of Approval for previously approved Use and Administrative Permits and that the project will be consistent with all conditions.
- 2. This Administrative Permit shall expire and become null and void two (2) years after the effective date <u>except</u> where construction and use of this permit has been initiated within the prescribed timeframe. The County will not provide a notice prior to the expiration date.
- 3. The Permit holder shall enter the project site into the California Environmental Reporting Systems (CERS). The permit holder will furnish evidence from the Mendocino County Division of Environmental Health that either a Hazardous Materials Management Plan (HMMP) is not required or that one has been submitted to the satisfaction of the Division of Environmental Health.
- 4. Any stationary onsite diesel 1C engine 50 horsepower or greater (i.e., large power generators or pumps) or any propane or natural gas engines 250 horsepower or greater may require a permit from the Air Quality Management District.
- 5. Portable diesel-powered equipment that may be used during the proposed project is required to be registered with the state Portable Equipment Registration Program (PERP) or obtain permits from the District.
- 6. Projects located adjacent to sensitive receptors (schools, childcare facilities, health care facilities, senior facilities, businesses, residences etc.) during the construction phase of this project have the potential for exposure to diesel particulate.
- 7. Heavy duty truck idling and off-road diesel equipment or other diesel engine idling is limited to less than five minutes.
- 8. Future modifications shall be considered cumulatively to determine if request constitutes a "substantial change" to the facility under applicable federal law.
- 9. The use and occupancy of the premises shall be established and maintained in conformance with the provisions of Title 20 of the Mendocino County Code.
- 10. The application along with supplemental exhibits and related material shall be considered elements of this entitlement and compliance therewith shall be mandatory, unless a modification has been approved by the Zoning Administrator.
- 11. This permit is subject to the securing of all necessary permits for the proposed development and eventual use from County, State and Federal agencies having jurisdiction, including Building permits. Any requirements imposed by an agency having jurisdiction shall be considered a condition of this permit.

- 12. This permit shall be subject to revocation or modification by the Zoning Administrator upon a finding of any one (1) or more of the following grounds:
  - a. That the permit was obtained or extended by fraud.
  - b. That one or more of the conditions upon which the permit was granted have been violated.
  - c. That the use for which the permit was granted is conducted in a manner detrimental to the public health, welfare or safety, or is a nuisance.

Any revocation shall proceed as specified in Title 20 of the Mendocino County Code.

- 13. This permit is issued without a legal determination having been made upon the number, size or shape of parcels encompassed within the permit boundaries. Should, at any time, a legal determination be made that the number, size or shape of parcels within the permit boundaries are different than that which is legally required by this permit, this permit shall become null and void.
- 14. Prior to the issuance of a building permit, the permit holder shall sign an Acknowledgement form agreeing to the conditional use approval and return it to the Planning and Building Services Department.