



COUNTY OF MENDOCINO
DEPARTMENT OF PLANNING AND BUILDING SERVICES

860 NORTH BUSH STREET · UKIAH · CALIFORNIA · 95482
120 WEST FIR STREET · FT. BRAGG · CALIFORNIA · 95437

JULIA KROG, DIRECTOR
TELEPHONE: 707-234-6650
FAX: 707-463-5709
FB PHONE: 707-964-5379
FB FAX: 707-961-2427
pbs@mendocinocounty.org
www.mendocinocounty.org/pbs

September 15, 2022

Environmental Health - Ukiah
Building Inspection - Ukiah
Assessor

Air Quality Management
Department of Forestry/ CalFire
-Land Use

Cloverdale Rancheria
Redwood Valley Rancheria
Sherwood Valley Band of Pomo Indians
Potter Valley Tribe

CASE#: AP 2022-0030

DATE FILED: 8/3/2022

OWNER: JOEL LLAMAS

APPLICANT: T-MOBILE WEST LLC

AGENT: ADAMS-BRUNS-TRUKHIN

REQUEST: Administrative Permit to replace an existing microwave unit along with two ODUs and various ancillary equipment to an existing sixty-five foot tall monopole. All work will be completed within the existing 2,304 square foot lease area.

LOCATION: 1± miles northeast of Potter Valley town center, lying on the east side of Eel River Road (CR 240B), 0.6± miles north of its intersection with Main Street (CR 245) located at 12531 Eel River Road, Potter Valley (APN: 175-010-10).

SUPERVISORIAL DISTRICT: 1

STAFF PLANNER: KEITH GRONENDYKE

RESPONSE DUE DATE: September 29, 2022

PROJECT INFORMATION CAN BE FOUND AT:

www.mendocinocounty.org

Select "Government" from the drop-down; then locate Planning and Building Services/Public Agency Referrals.

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

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

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

REVIEWED BY:

Signature Department Date

OWNER: LOBAL SIGNAL ACQUISITIONS IV LLC

APPLICANT: T-MOBILE WEST

AGENT: ADAM BRUNS-TRUKHIN/CROWN CASTLE

REQUEST: Administrative Permit to replace an existing microwave unit along with two ODUs and various ancillary equipment to an existing sixty-five foot tall monopole. All work will be completed within the existing 2,304 square foot lease area.

LOCATION: 1± miles northeast of Potter Valley town center, lying on the east side of Eel River Road (CR 240B), 0.6± miles north of its intersection with Main Street (CR 245) located at 12531 Eel River Road, Potter Valley (APN: 175-010-10).

APN: 175-010-10

PARCEL SIZE: 40± Acres

GENERAL PLAN: Rangeland (RL 160)

ZONING: Rangeland (RL 160)

EXISTING USES: Cellular Antenna site

SUPERVISORAL DISTRICT: 1st District (McGourty)

RELATED CASES:

- Administrative Permit, AP_2020-0020. Application to add a 30 Kw electrical generator for back-up emergency power, approved.
- Use Permit Renewal, UR_2019-0004. Application to renew the original use permit that had expired; approved.
- Administrative Permit, AP_2017-0097. Application to add new antennas to the existing tower; approved.
- Administrative Permit, AP_2016-0035. Application to add new antennas to the existing tower; approved.
- Administrative Permit, AP_2016-0020. Application to add an emergency electricity generator; approved.
- Administrative Permit, AP_2014-0034. Application to add three additional panel antennas to the existing tower; approved.
- Administrative Permit, AP_2014-0022. Application to add a microwave dish to the existing tower; approved.
- Use Permit Modification, UM_2009-0008. Application to add three new panel antennas and an additional microwave dish to the existing tower; approved.
- Use Permit, U_2006-0016. Application to construct a sixty-five foot tall monopole; approved.

	<u>ADJACENT GENERAL PLAN</u>	<u>ADJACENT ZONING</u>	<u>ADJACENT LOT SIZES</u>	<u>ADJACENT USES</u>
NORTH:	Range Lands (RL 160)	Range Lands (RL 160)	40± Acres	Barn-Agricultural
EAST:	Range Lands (RL 160)	Range Lands (RL 160)	80± Acres	Barn-Agricultural
SOUTH:	Agricultural (AG 40)	Agricultural (AG 40)	43± Acres	SFD-Barn-Agricultural
WEST:	Range Lands (RL 160)	Range Lands (RL 160)	6.5± Acres	Vacant

REFERRAL AGENCIES

LOCAL

- Air Quality Management District
- Assessor's Office
- Building Division
- Environmental Health

STATE

- CALFIRE (Land Use)

- Sherwood Valley Band of Pomo Indians
- Potter Valley Tribe

TRIBAL

- Cloverdale Rancheria
- Redwood Valley Rancheria

STAFF PLANNER: KEITH GRONENDYKE

DATE: 9/12/2022

ENVIRONMENTAL DATA

1. **MAC:** N/A
2. **FIRE HAZARD SEVERITY ZONE:** High
3. **FIRE RESPONSIBILITY AREA:** Calfire
4. **FARMLAND CLASSIFICATION:** G
5. **FLOOD ZONE CLASSIFICATION:** N/A
6. **COASTAL GROUNDWATER RESOURCE AREA:** N/A
7. **SOIL CLASSIFICATION:** Eastern Soils
8. **PYGMY VEGETATION OR PYGMY CAPABLE SOIL:** N/A
9. **WILLIAMSON ACT CONTRACT:** Yes, non-prime
10. **TIMBER PRODUCTION ZONE:** No
11. **WETLANDS CLASSIFICATION:** N/A
12. **EARTHQUAKE FAULT ZONE:** No
13. **AIRPORT LAND USE PLANNING AREA:** No
14. **SUPERFUND/BROWNFIELD/HAZMAT SITE:** No
15. **NATURAL DIVERSITY DATABASE:** No
16. **STATE FOREST/PARK/RECREATION AREA ADJACENT:** N/A
17. **LANDSLIDE HAZARD:** N/A
18. **WATER EFFICIENT LANDSCAPE REQUIRED:** No
19. **WILD AND SCENIC RIVER:** N/A
20. **SPECIFIC PLAN/SPECIAL PLAN AREA:** N/A
21. **STATE CLEARINGHOUSE REQUIRED:** No
22. **OAK WOODLAND AREA:** No
23. **HARBOR DISTRICT:** N/A



PLANNING & BUILDING SERVICES

Office Use Only box with fields for Case No, Date Filed, Fee, Receipt No, and Received By.

APPLICATION FORM

Site Address 12531 EEL RIVER ROAD
Site City, State, Zip POTTER VALLEY, CA 95469
Parcel Tax ID 175-010-10-00
BU 857683
APP 598811

APPLICANT:

Name: T-Mobile West LLC by Crown Castle USA Inc. Adam Bruns-Trukhin Phone: 314-420-7386
Mailing Address: 3025 Highland Pkwy, Ste 400
City: Downers Grove State/Zip: IL, 60515 Email: Adam.Bruns-Trukhin@crowncastle.com

PROPERTY OWNER:

Name: LOBAL SIGNAL ACQUISITIONS IV LLC a subsidiary of Crown Castle Phone: 314-420-7386
Mailing Address: 3025 Highland Pkwy, Ste 400
City: Downers Grove State/Zip: IL, 60515 Email: Adam.Bruns-Trukhin@crowncastle.com

AGENT:

Name: Adam Bruns-Trukhin Phone: 314-420-7386
Mailing Address: 3025 Highland Pkwy, Ste 400
City: Downers Grove State/Zip: IL, 60515 Email: Adam.Bruns-Trukhin@crowncastle.com

ASSESSOR'S PARCEL NUMBER/S: 175-010-10-00

TYPE OF APPLICATION:

- Administrative Permit (checked)
Agricultural Preserve: New Contract
Agricultural Preserve: Cancellation
Agricultural Preserve: Rescind & ReEnter
Airport Land Use
Development Review
Exception
Flood Hazard Development Permit
General Plan Amendment
Land Division - Minor
Land Division - Major
Land Division - Parcel
Land Division - Re-Subdivision
Modification of Conditions
Reversion to Acreage
Rezoning
Use Permit - Cottage
Use Permit - Minor
Use Permit - Major
Use Permit - Modification
Variance
Other

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

Mendocino County

AUG 03 2022

Planning & Building Services

Signature of Applicant/Agent: Adam Bruns-Trukhin Date: 7/6/22
Signature of Owner: see LOA and Grant of Easement Date: [blank]

4. Will the project be phased?

YES NO If yes, explain your plans for phasing:

5. Will vegetation be removed on areas other than the building sites and roads?

YES NO If no, explain:

6. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives?

YES NO If yes, explain:

7. How much off-street parking will be provided?	NA - Work proposed on existing tower	
	Number	Size
No. of covered spaces:	_____	_____
No. of uncovered spaces:	_____	_____
No. of standard spaces:	_____	_____
No. of accessible spaces:	_____	_____
Existing no. of spaces:	_____	_____
Proposed additional spaces:	_____	_____
Total:	_____	_____

8. Is any road construction or grading planned? If yes, grading and drainage plans may be required.

YES NO Also, please describe the terrain to be traversed. (e.g., steep, moderate slope, flat, etc.)

9. For grading or road construction, complete the following: NA - Work proposed on existing tower

Amount of cut: _____ cubic yards

Amount of fill: _____ cubic yards

Max. height of fill slope: _____ feet

Max. height of cut slope: _____ feet

Amount of import/export: _____ cubic yards

Location of borrow or disposal site: _____

4. Will the project be phased?

YES NO If yes, explain your plans for phasing:

5. Will vegetation be removed on areas other than the building sites and roads?

YES NO If no, explain:

6. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives?

YES NO If yes, explain:

7. How much off-street parking will be provided?

NA - Work proposed on existing tower

	Number	Size
No. of covered spaces:	_____	_____
No. of uncovered spaces:	_____	_____
No. of standard spaces:	_____	_____
No. of accessible spaces:	_____	_____
Existing no. of spaces:	_____	_____
Proposed additional spaces:	_____	_____
Total:	_____	_____

8. Is any road construction or grading planned? If yes, grading and drainage plans may be required.

YES NO Also, please describe the terrain to be traversed. (e.g., steep, moderate slope, flat, etc.)

9. For grading or road construction, complete the following: NA - Work proposed on existing tower

Amount of cut: _____ cubic yards
 Amount of fill: _____ cubic yards
 Max. height of fill slope: _____ feet
 Max. height of cut slope: _____ feet
 Amount of import/export: _____ cubic yards
 Location of borrow or disposal site: _____

10. Does the project involve sand removal, mining or gravel extraction? If yes, detailed extraction, reclamation and monitoring plans may be required.

YES NO

11. Will the proposed development convert land currently or previously used for agriculture to another use?

YES NO

12. Will the development provide public or private recreation opportunities?

YES NO If yes, explain how:

13. Is the proposed development visible from State Highway 1 or other scenic route?

YES NO

14. Is the proposed development visible from a park, beach or other recreational area?

YES NO

15. Does the development involve diking, filling, dredging or placing structures in open coastal water, wetlands, estuaries or lakes?

Diking: YES NO

Filling: YES NO

Dredging: YES NO

Structures: Open Coastal Waters Wetlands Estuaries Lakes

If so, what is the amount of material to be dredged/filled?: _____ cubic yards

Location of dredged material disposal site?: _____

Has a U.S. Army Corps of Engineers permit been applied for? YES NO

16. Will there be any exterior lighting?

YES NO If yes, describe below and identify the location of all exterior lighting on the plot and building plans.

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

Electricity: Utility Company (service exists to parcel)

Utility Company (requires extension of service to site): _____ feet _____ miles

On Site Generation – Specify:

Gas: Utility Company/Tank

On Site Generation – Specify:

None

Telephone: YES NO

18. What will be the method of sewage disposal? NA - No plumbing

- Community Sewage System (specify supplier): _____
- Septic Tank
- Other (specify): _____

19. What will be the domestic water source: NA - No plumbing

- Community Water System (specify supplier): _____
- Well
- Spring
- Other (specify): _____

20. Are there any associated projects and/or adjacent properties under your ownership?

- YES
- NO If yes, explain: (e.g., 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:

NA

22. Describe the location of the site in terms of readily identifiable landmarks: (e.g., mailboxes, mile posts, street intersections, etc.)

Cell tower is located at lat. 39° 19' 52.9" long. -123° 5' 53.2"

23. Are there existing structures on the property? If yes, describe below and identify the use of each structure on the plot plan or tentative map if the proposal is for a subdivision.

- YES
- NO

See existing site plan on the construction drawings, note that there is no increase in ground space.

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.

- YES
- NO

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.

7/6/22

Date

Adam Bruns-Trukhin

Applicant



COUNTY OF MENDOCINO
DEPARTMENT OF PLANNING & BUILDING SVCS.

860 NORTH BUSH STREET • UKIAH, CALIFORNIA 95482
 120 WEST FIR STREET • FORT BRAGG, CALIFORNIA 95437

IGNACIO GONZALEZ, INTERIM DIRECTOR
 JULIA ACKER-KROG, ASSISTANT DIRECTOR
 PHONE: 707-234-6650
 FAX: 707-463-5709
 FB PHONE: 707-964-5379
 FB FAX: 707-961-2427
pbs@mendocinocounty.org
www.mendocinocounty.org/pbs

ACKNOWLEDGEMENT OF DEPOSIT/HOURLY FEE

By signing below, the applicant acknowledges that the staff at Planning and Building Services has discussed the potential for collection of a deposit fee for the projects listed below (as adopted by the Board of Supervisors Resolution No.'s 11-072, 16-150, 18-122 and 19-170)

1. Division of Land Project
2. General Plan Project
3. Coastal Project
4. Zoning Project
5. Administrative Project
6. Cannabis Project
7. Private Road Naming

Once an application has been submitted and the processing costs approach 80% of the application fee, additional staff processing time will be billed at \$90.00/hour. Staff will notify the applicant/owner that a deposit equal to 50% of the initial filing fee is required for further processing, and more than one deposit may be required depending on the complexity of the project and the staff time necessary to complete application processing.

I acknowledge that I was advised of the deposit fee for continued processing after the initial application fee has been expended.

Adam Bruns-Trukhin

7/6/22

Applicant Signature

Date

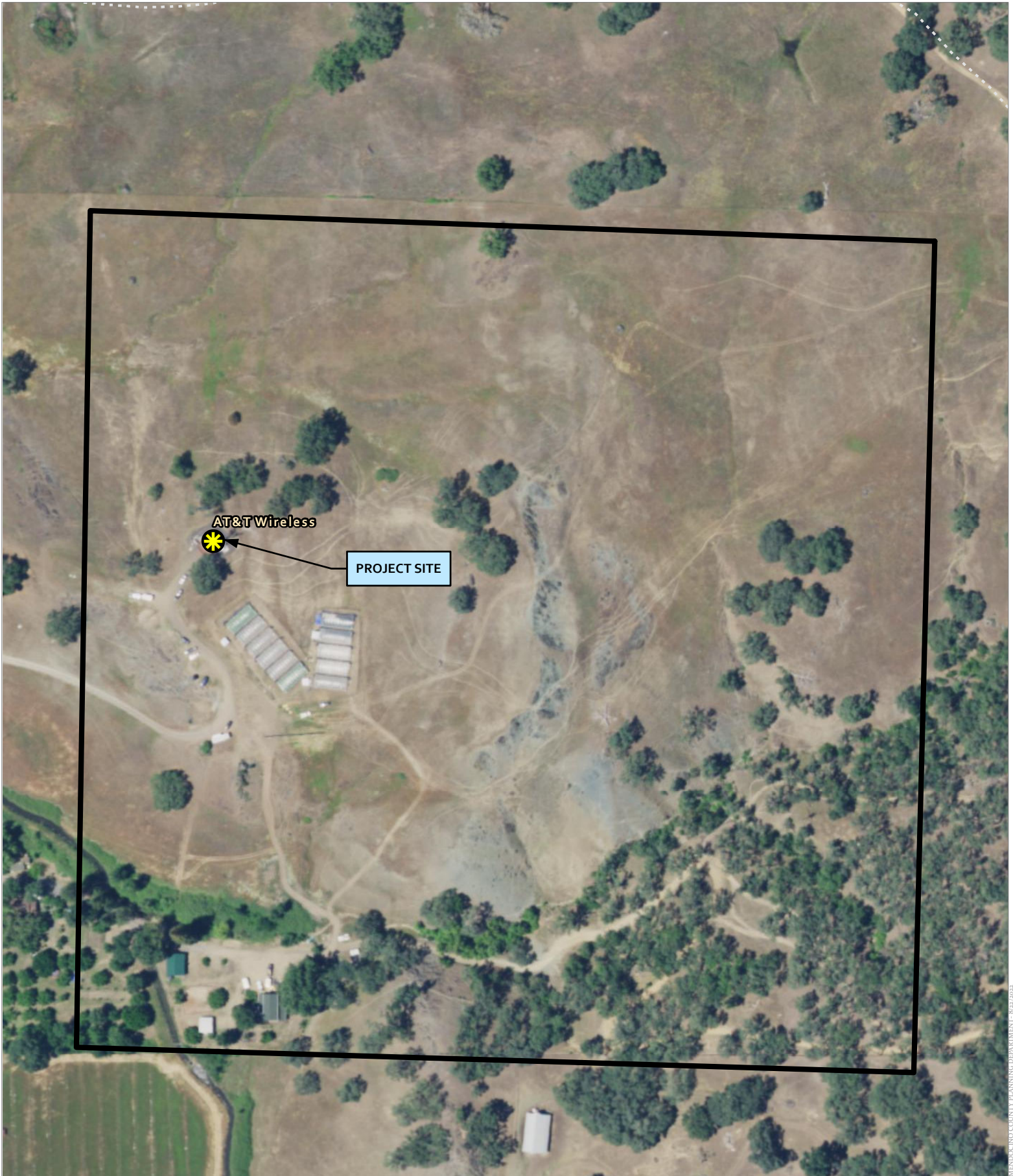
Mendocino County

AUG 03 2022


Planning & Building Services

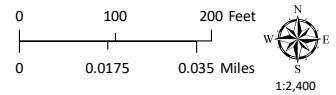
OFFICE USE ONLY:

Project or Permit Number



CASE: AP 2022-0030
OWNER: LLAMAS, Joel
APN: 175-010-10
APLCT: T-Mobile West
AGENT: Adam Bruns-Trukhin
ADDRESS: 12531 Eel River Road, Potter Valley

 Approved Wireless Sites



AERIAL IMAGERY

T-Mobile

T-MOBILE SITE NUMBER: SF40959A
T-MOBILE SITE NAME: CA371 - POTTER VALLEY
T-MOBILE PROJECT: MICROWAVE UPGRADE

BUSINESS UNIT #: 857683
SITE ADDRESS: 12531 EEL RIVER ROAD
 POTTER VALLEY, CA 95469
COUNTY: MENDOCINO
SITE TYPE: MONOPOLE
TOWER HEIGHT: 65'-0"

T-Mobile

2008 MCGAW AVENUE
 IRVINE, CA 92614



200 SPECTRUM CENTER DRIVE,
 SUITE 1700 & 1800
 IRVINE, CA 92618



P. MARSHALL & ASSOCIATES
 6801 PORTWEST DR. STE 100,
 HOUSTON, TX 77024
 OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
 SF40959A

BU #: 857683
CA371 - POTTER VALLEY

**12531 EEL RIVER ROAD
 POTTER VALLEY, CA 95469**

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS

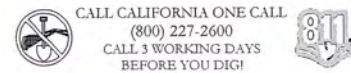
SITE INFORMATION

CROWN CASTLE USA INC. CA371 - POTTER VALLEY
 SITE NAME:
 SITE ADDRESS: 12531 EEL RIVER ROAD
 POTTER VALLEY, CA 95469
 COUNTY: MENDOCINO
 MAP/PARCEL #: 17501010
 AREA OF CONSTRUCTION: EXISTING
 LATITUDE: 39.331361
 LONGITUDE: -123.098111
 LAT/LONG TYPE: NAD83
 GROUND ELEVATION: 1080'
 CURRENT ZONING: RESIDENTIAL
 JURISDICTION: COUNTY OF MENDOCINO, CA
 OCCUPANCY CLASSIFICATION: U
 TYPE OF CONSTRUCTION: IIB
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
 HUMAN HABITATION
 PROPERTY OWNER: LLAMAS JOEL
 300 GOLD GULCH RD
 UKIAH, CA 95482
 TOWER OWNER: CROWN CASTLE USA INC.
 200 SPECTRUM CENTER DRIVE, STE 1700 & 1800
 IRVINE, CA 92618
 CARRIER/APPLICANT: T-MOBILE
 2008 MCGAW AVENUE
 IRVINE, CA 92614
 ELECTRIC PROVIDER: PACIFIC GAS & ELECTRIC
 (800) 735-2111
 TELCO PROVIDER: MENDOCINO COUNTY
 AUG 03 2022

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	OVERALL SITE PLAN
C-1.2	FINAL EQUIPMENT PLAN
C-2.1	TOWER ELEVATIONS
C-2.2	TOWER ELEVATIONS
C-3	EXISTING & NEW MICROWAVE PLANS
C-4	FINAL EQUIP. SCHEDULE & MW' CABLE SPECS
C-5	COMMSCOPE VHLPX4-11W/A MICROWAVE SPECS
C-5.1	CERAGON FIBEAIR IP-20A_RFU-D SPECS
G-1	GROUNDING DETAILS

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



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

LOCATION MAP



PROJECT TEAM

A&E FIRM: P. MARSHALL & ASSOCIATES, LLC
 6801 PORTWEST DR, SUITE 100
 HOUSTON, TX 77024
 (713) 677-0964
 CROWN CASTLE USA INC.
 DISTRICT CONTACTS:
 200 SPECTRUM CENTER DRIVE, SUITE 1700 & 1800
 IRVINE, CA 92618
 MEGAN LENCEK - PROJECT MANAGER
 (949) 344-7797
 TED CONGER - CONSTRUCTION MANAGER
 (925) 701-7197

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE
 BROADBAND CONNECTIVITY AND CAPACITY TO THE
 EXISTING ELIGIBLE WIRELESS FACILITY.
 TOWER SCOPE OF WORK:
 • REMOVE (1) MICROWAVE & (1) ODU
 • REMOVE (1) 1/2" MICROWAVE CABLE
 • INSTALL (1) MICROWAVE & (2) ODU'S
 • INSTALL (2) 21/64" POWER CABLES
 • INSTALL (2) 7/32" FIBER CABLES
 GROUND SCOPE OF WORK:
 • NO GROUND SCOPE REQUIRED

APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN
 ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES
 AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN
 THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING
 TO THESE CODES:
 CODE TYPE CODE
 BUILDING 2019 CALIFORNIA BUILDING CODE (CBC)/2018 IBC
 MECHANICAL 2019 CALIFORNIA MECHANICAL CODE (CMC)/2018 UMC
 ELECTRICAL 2019 CALIFORNIA ELECTRICAL CODE (CEC)/2017 NEC
 FIRE 2019 CALIFORNIA FIRE CODE
 REFERENCE DOCUMENTS:
 STRUCTURAL ANALYSIS: BLACK & VEATCH
 DATED: 05/06/2022
 ORDER ID: 598811
 REVISION: 0

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

ELECTRICAL NOTES:
 POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGE IS TO BE PERFORMED BY OTHERS AND IS
 SHOWN REFERENCE PURPOSES ONLY. T-MOBILE IS SOLELY RESPONSIBLE FOR THE ELECTRICAL
 POWER DESIGN.



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.

PROJECT NUMBER:
22CT4M-021

SHEET NUMBER: **T-1** REVISION: **0**

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 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...
2. THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION...
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED...
4. ALL CONSTRUCTION MEANS AND METHODS, INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS...
5. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 'INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE'...

GENERAL NOTES:

- 1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER: TOWER BUILDER
TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS...
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE...
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS...

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE...

ELECTRICAL INSTALLATION NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC...

Table with 3 columns: SYSTEM, CONDUCTOR, COLOR. Lists conductor color codes for systems like 120/240V, 120/208V, 277/480V and DC VOLTAGE.

APWA UNIFORM COLOR CODE:

- WHITE PROPOSED EXCAVATION
PINK TEMPORARY SURVEY MARKINGS
RED ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
YELLOW GAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS...

GREENFIELD GROUNDING NOTES:

- 1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GEYS) SHALL BE BONDED TOGETHER AT OR BELOW GRADE...
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 811) FOR GROUND ELECTRODE SYSTEMS...
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION...
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS...
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR...

ABBREVIATIONS:

Table listing abbreviations and their meanings: ANT (ANTENNA), EX (EXISTING), FIF (FACILITY INTERFACE FRAME), GEN (GENERATOR), GPS (GLOBAL POSITIONING SYSTEM), GSM (GLOBAL SYSTEM FOR MOBILE), etc.

T-Mobile logo and address: 2008 MCGAW AVENUE, IRVINE, CA 92614

CROWN CASTLE logo and address: 200 SPECTRUM CENTER DRIVE, SUITE 1700 & 1800, IRVINE, CA 92618

PM&A logo and address: P. MARSHALL & ASSOCIATES, 6801 PORTWEST DR. STE 100, HOUSTON, TX 77024

T-MOBILE SITE NUMBER: SF40959A
BU #: 857683
CA371 - POTTER VALLEY
12531 EEL RIVER ROAD, POTTER VALLEY, CA 95469
EXISTING 65'-0" MONOPOLE

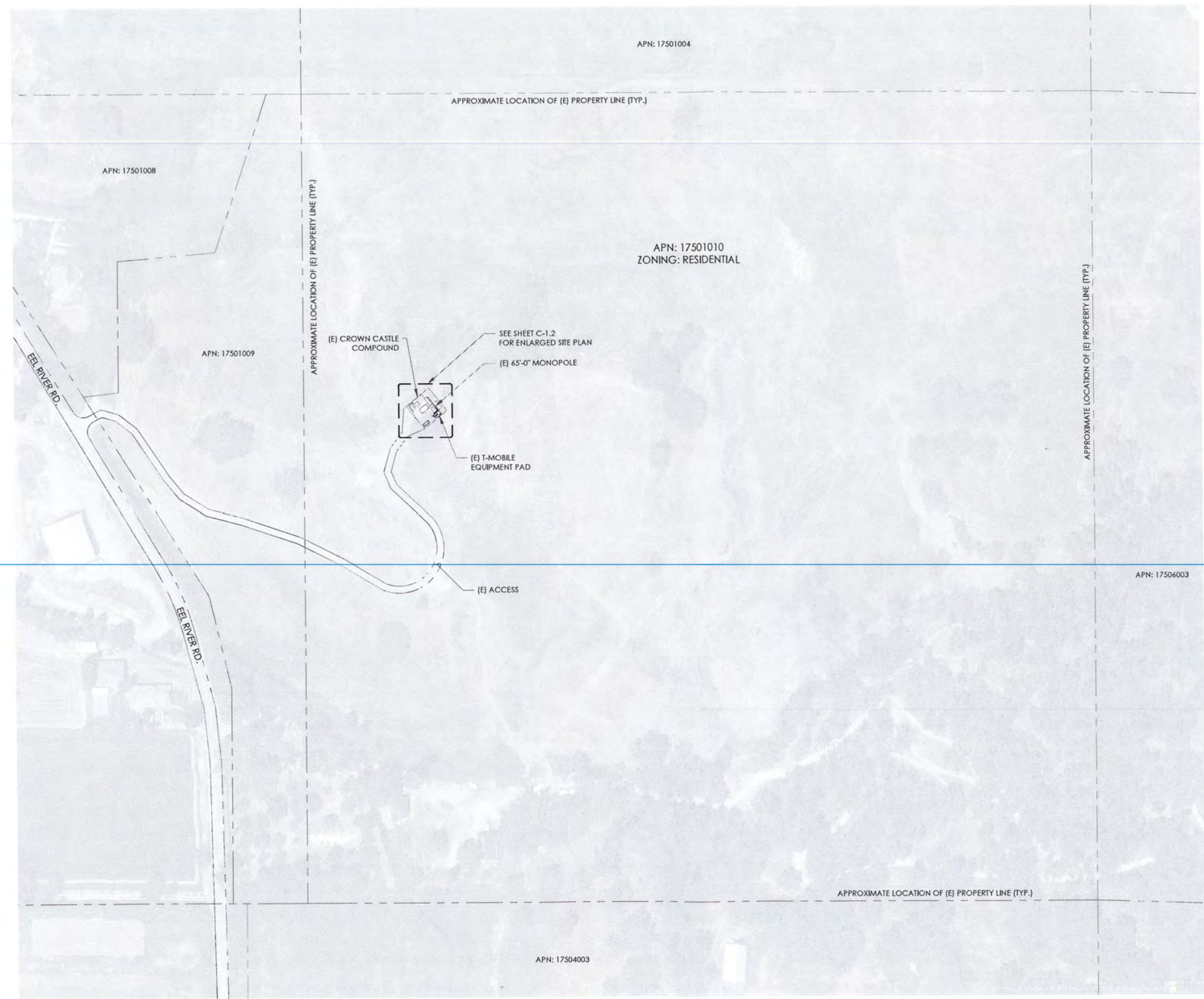
Table with 5 columns: REV, DATE, DRWN, DESCRIPTION, DES/QA. Shows revision history for the drawing.

Professional Engineer seal for C87623, State of California, dated 06/02/2022. Text below seal: 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.

PROJECT NUMBER: 22CT4M-021

SHEET NUMBER: T-2 REVISION: 0

SITE PLAN DISCLAIMER:
 PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS. CROWN CASTLE USA INC. HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET.



T-Mobile
 2008 MCGAW AVENUE
 IRVINE, CA 92614

CROWN CASTLE
 200 SPECTRUM CENTER DRIVE,
 SUITE 1700 & 1800
 IRVINE, CA 92618

PM&A
 P. MARSHALL & ASSOCIATES
 6801 PORTWEST DR. STE 100,
 HOUSTON, TX 77024
 OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
 SF40959A

BU #: 857683

CA371 - POTTER VALLEY

**12531 EEL RIVER ROAD
 POTTER VALLEY, CA 95469**

EXISTING 65'-0" MONOPOLE.

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS

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.

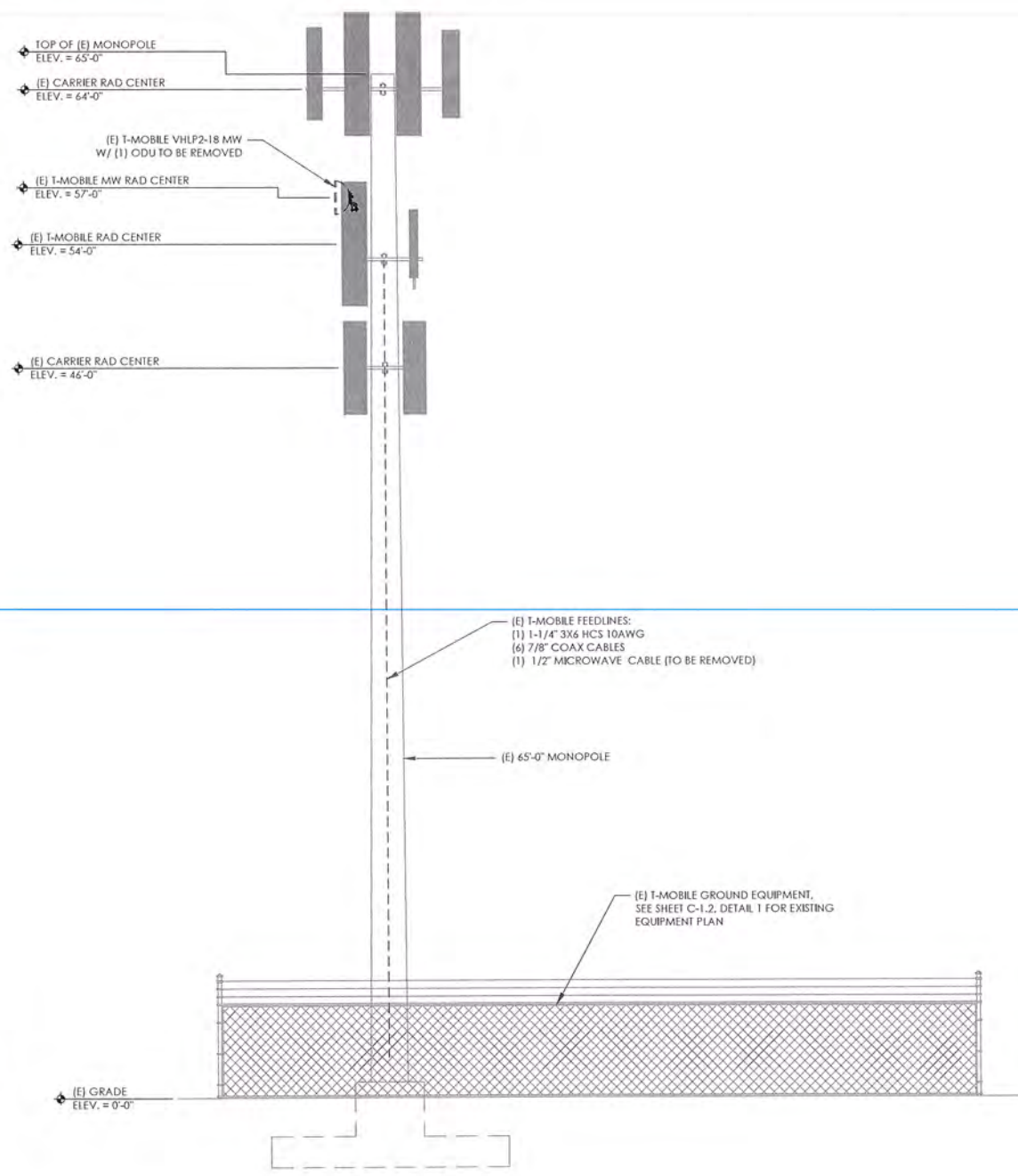
PROJECT NUMBER:
22CT4M-021

SHEET NUMBER: **C-1.1** REVISION: **0**

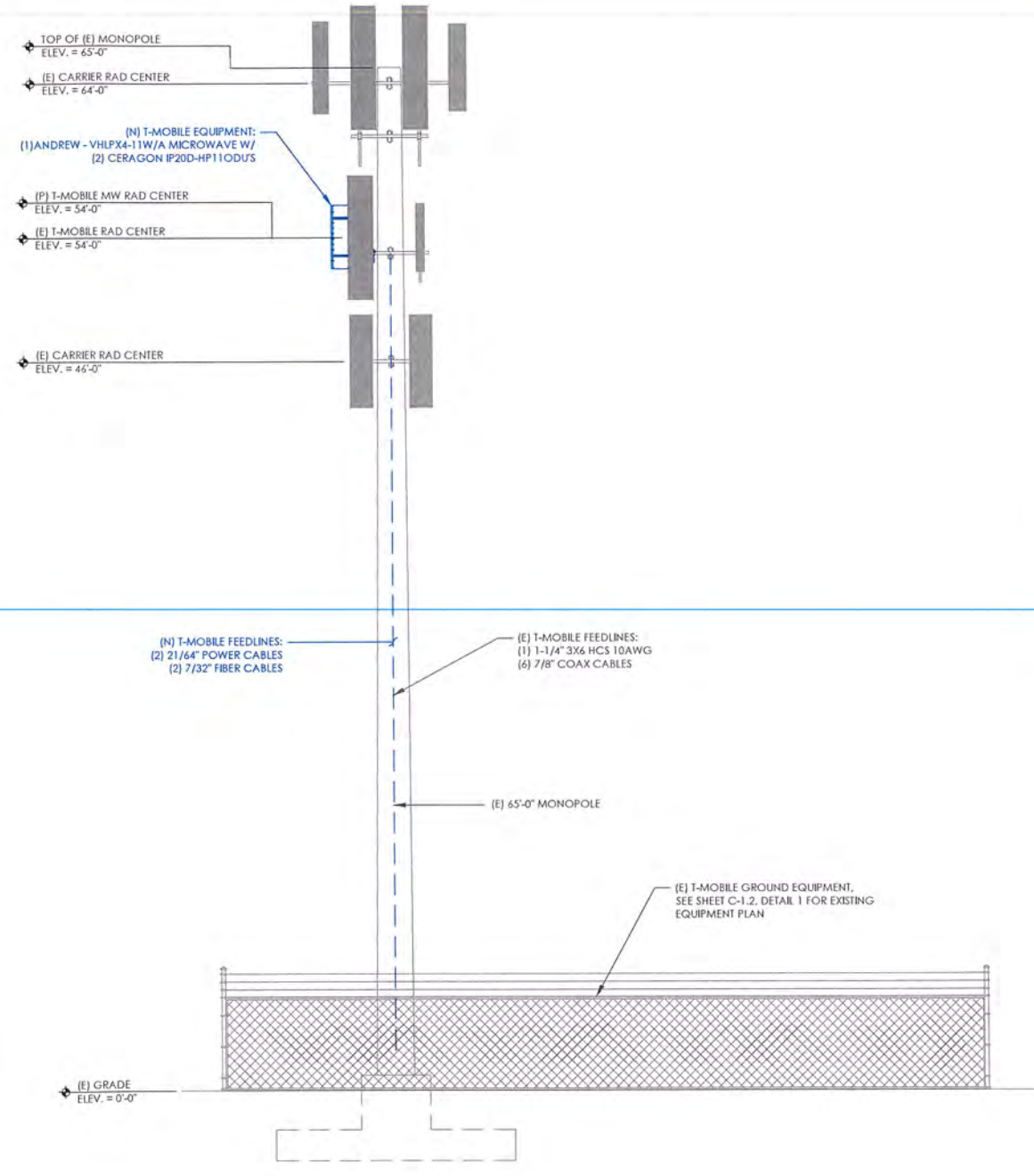
1 OVERALL SITE PLAN
 SCALE: 1" = 200'-0" (FULL SIZE) 1" = 400'-0" (11x17)

STRUCTURAL ANALYSIS & INSTALLATION NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS, FOUNDATION ANALYSIS & MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



1 EXISTING NORTH ELEVATION
SCALE: 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (1:12)



2 NEW NORTH ELEVATION
SCALE: 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (1:12)

T-Mobile
2008 MCGAW AVENUE
IRVINE, CA 92614

CROWN CASTLE
200 SPECTRUM CENTER DRIVE,
SUITE 1700 & 1800
IRVINE, CA 92618

PM&A
P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS

REGISTERED PROFESSIONAL ENGINEER
ANDREI BARGA
C87623
STATE OF CALIFORNIA
06/02/2022

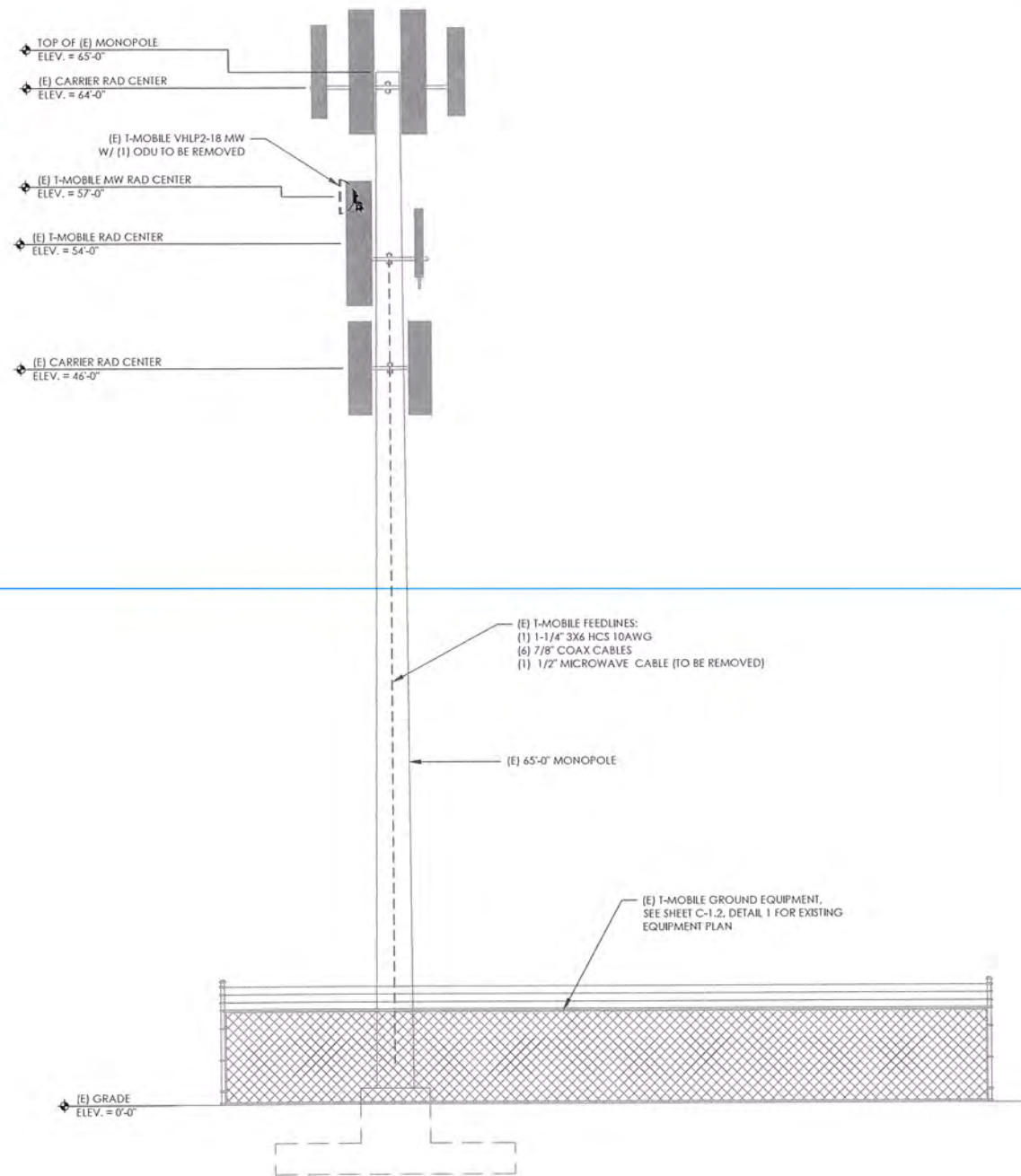
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PROJECT NUMBER:
22CT4M-021

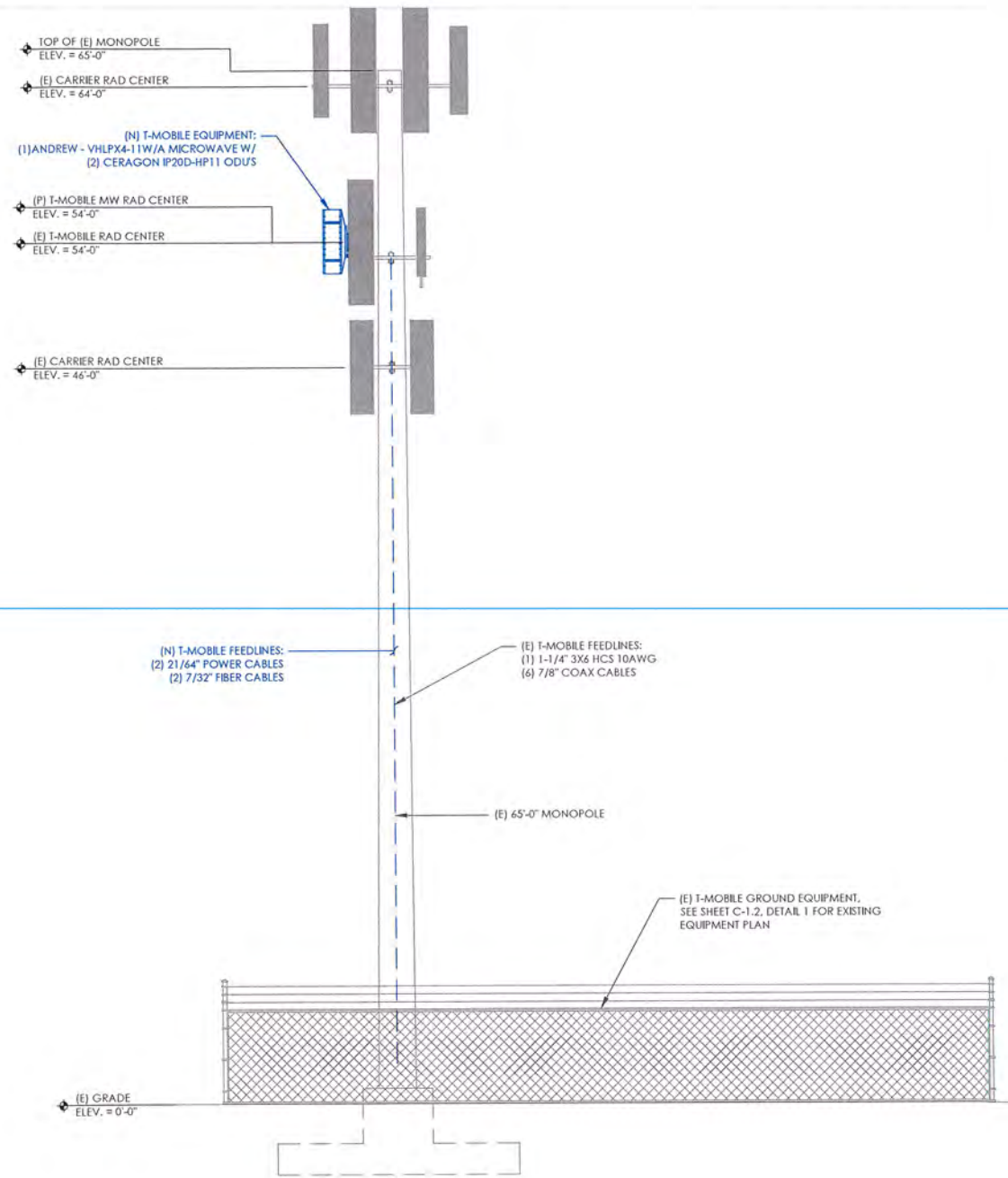
SHEET NUMBER: **C-2.1** REVISION: **0**

STRUCTURAL ANALYSIS & INSTALLATION NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS, FOUNDATION ANALYSIS & MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



1 EXISTING EAST ELEVATION
SCALE: 3/16\"/>



2 NEW EAST ELEVATION
SCALE: 3/16\"/>

T-Mobile

2008 MCGAW AVENUE
IRVINE, CA 92614

CROWN CASTLE

200 SPECTRUM CENTER DRIVE,
SUITE 1700 & 1800
IRVINE, CA 92618

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS



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.

PROJECT NUMBER:
22CT4M-021

SHEET NUMBER:
C-2.2

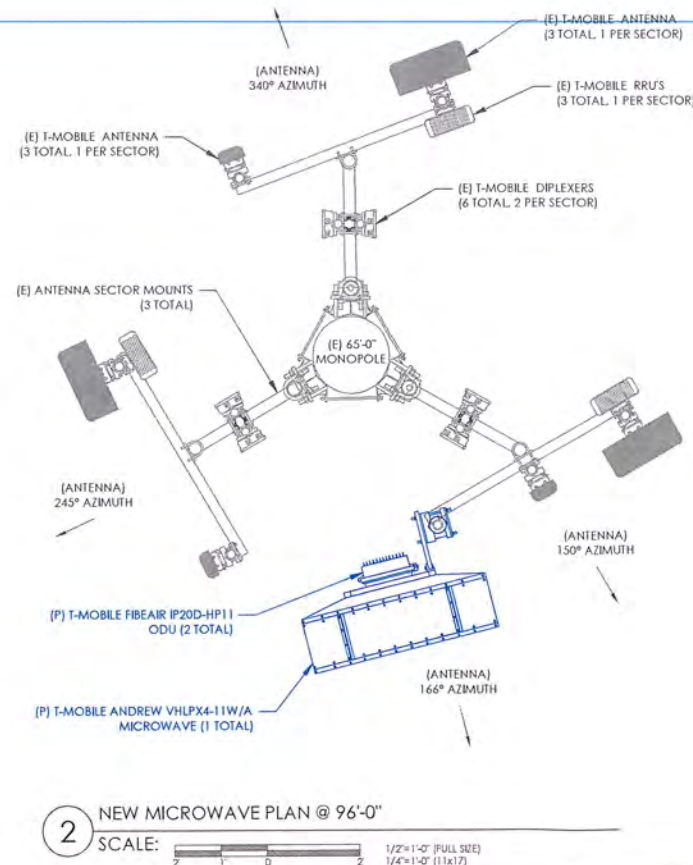
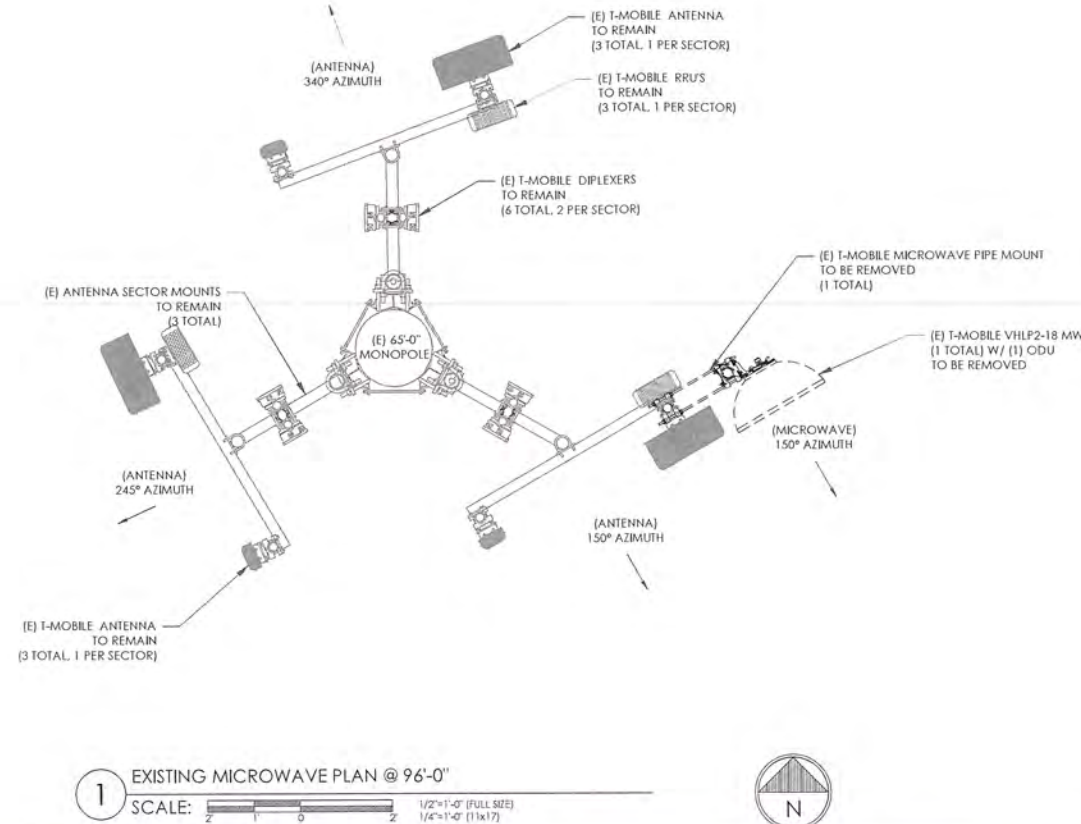
REVISION:
0

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE



"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 MAINTENANCE AND CONTRACTOR NOTICE TICKET.

NOTES:

1. REFERENCE RFD'S FOR FINAL EQUIPMENT SCHEDULE.
2. REFERENCE C-5 & C-5.1 FOR NEW EQUIPMENT SPECIFICATIONS.
3. CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.

STRUCTURAL ANALYSIS & INSTALLATION NOTES:

1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING TOWER ANALYSIS, FOUNDATION ANALYSIS & MOUNT ANALYSIS.
2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS



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.

PROJECT NUMBER:
22CT4M-021

SHEET NUMBER:
C-3

REVISION:
0

T-Mobile

2008 MCGAW AVENUE
IRVINE, CA 92614

CROWN CASTLE

200 SPECTRUM CENTER DRIVE,
SUITE 1700 & 1800
IRVINE, CA 92618

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/18/22	SM	PRELIMINARY	JIS
0	06/02/22	SM	FINAL CD	HS



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.

PROJECT NUMBER:
22CT4M-021

SHEET NUMBER:
C-4

REVISION:
0

FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

MICROWAVE																
1	MW	(N) ANDREW VHLFX4-11W/A	166"	54"	2	(N) CERAGON FIBEAR IP20D-HP11	-	-	-	-	-	-	-	2 (N) POWER CABLES 21/64"	2 (N) FIBER CABLES 7/32"	105'

NOTES:
(E) - EXISTING
(N) - NEW

VHLPX4-11W/A



1.2 m | 4 ft ValuLine® High Performance Low Profile Antenna, dual-polarized, 10.125–11.700 GHz

Product Classification

Product Type Microwave antenna
Product Brand ValuLine®

General Specifications

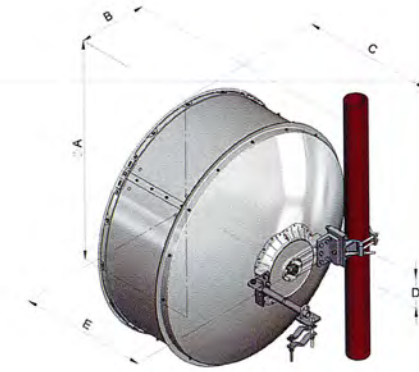
Antenna Type VHLPX - ValuLine® High Performance Low Profile Antenna, dual-polarized
Polarization Dual
Side Struts, Included 1 inboard
Side Struts, Optional 1 inboard

Dimensions

Diameter, nominal 1.2 m | 4 ft

VHLPX4-11W/A

Antenna Dimensions and Mounting Information



Antenna size, ft (m)	Dimensions in inches (mm)				
	A	B	C	D	E
4 (1.2)	50.8 (1291)	16 (407)	30.2 (767)	7.2 (183)	29.5 (748)

Electrical Specifications

Operating Frequency Band	10.125 – 11.700 GHz
Gain, Low Band	40.2 dBi
Gain, Mid Band	40.7 dBi
Gain, Top Band	41 dBi
Boresite Cross Polarization Discrimination (XPD)	30 dB
Front-to-Back Ratio	66 dB
Beamwidth, Horizontal	1.6 °
Beamwidth, Vertical	1.6 °
Return Loss	17.7 dB

Page 1 of 5

Page 2 of 5

©2021 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: November 19, 2020

COMMSCOPE®

©2021 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: November 19, 2020

COMMSCOPE®

T-Mobile

2008 MCGAW AVENUE
IRVINE, CA 92614

CROWN CASTLE

200 SPECTRUM CENTER DRIVE,
SUITE 1700 & 1800
IRVINE, CA 92618

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS



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.

PROJECT NUMBER:
22CT4M-021

SHEET NUMBER: C-5 REVISION: 0

RFU-D-HP Interfaces

The following figures show the RFU-D-HP TX and RX interfaces.

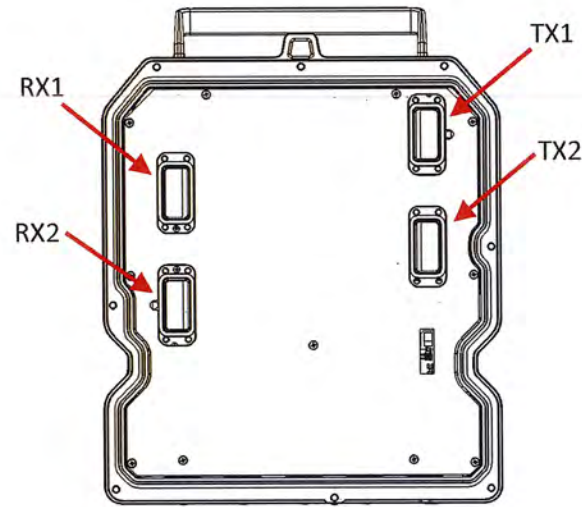


Figure 1: RFU-D-HP Radio Interfaces

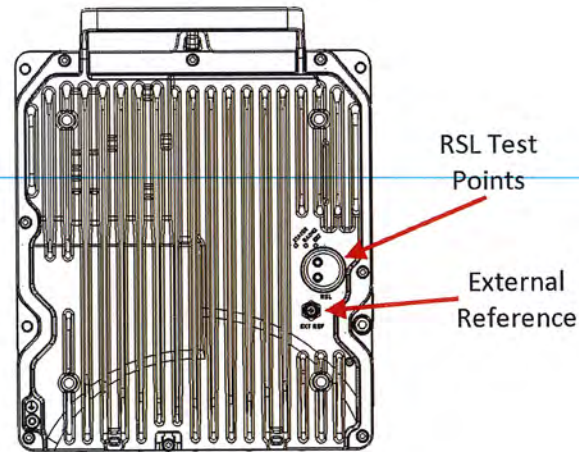


Figure 2: RFU-D-HP Front Side Interfaces

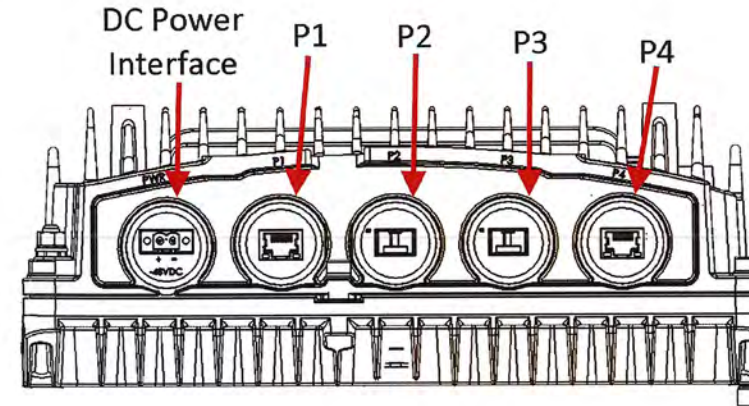


Figure 3: RFU-D-HP Data and Power Interfaces

- PWR: DC power interface (-48VDC)
- P1: RFU Interface (RJ-45)
- P2: RFU Interface (SFP)
- P3: Data Sharing
- P4: Reserved for future use.



Note

Note that in RFU-D-HP, Port 1 is the upper port, located closest to the handle, and Port 2 is the lower port, located closest to the Ethernet ports.

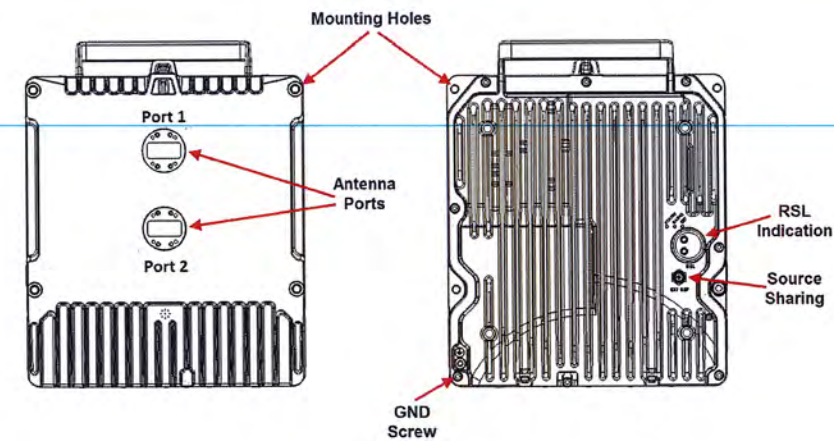


Figure 4: RFU-D-HP Rear View (Left) and Front View (Right)

T-Mobile

2008 MCGAW AVENUE
IRVINE, CA 92614

CROWN CASTLE

200 SPECTRUM CENTER DRIVE,
SUITE 1700 & 1800
IRVINE, CA 92618

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

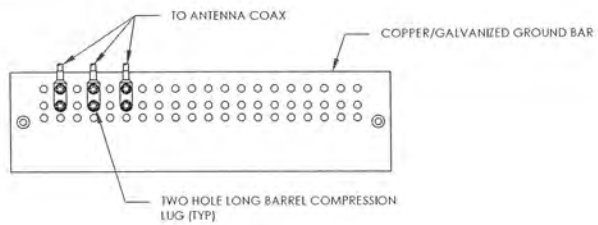
REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS



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.

PROJECT NUMBER:
22CT4M-021

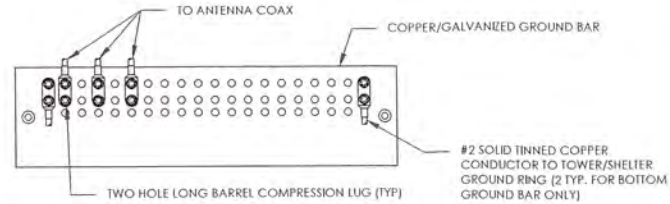
SHEET NUMBER: C-5.1
REVISION: 0



NOTES:

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

1 ANTENNA GROUND BAR DETAIL
SCALE: NOT TO SCALE

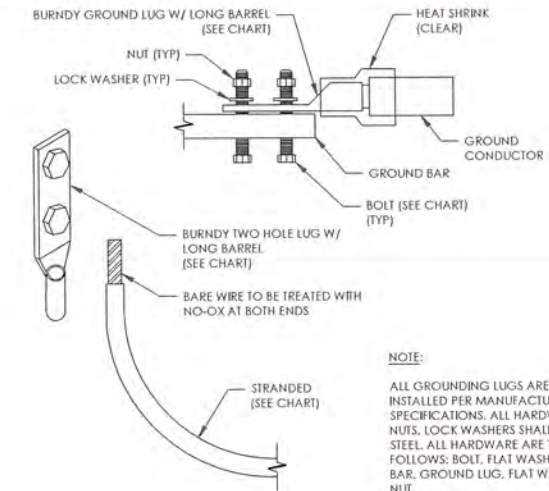


NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

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

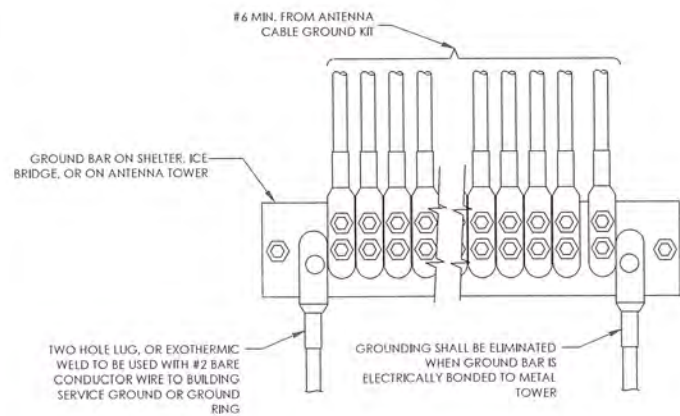
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2IC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2IC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2IC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2IC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



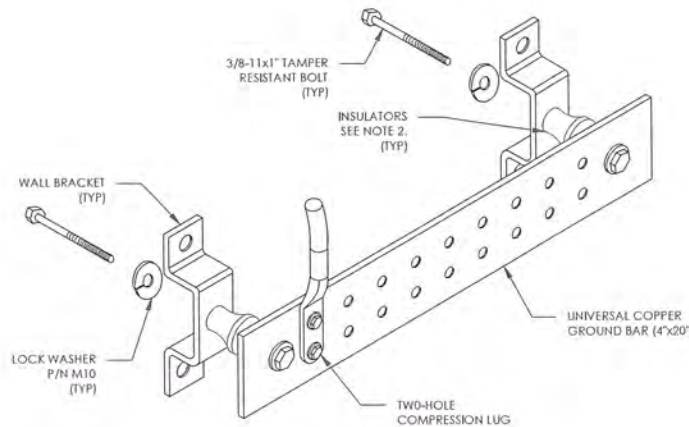
NOTE:

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

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



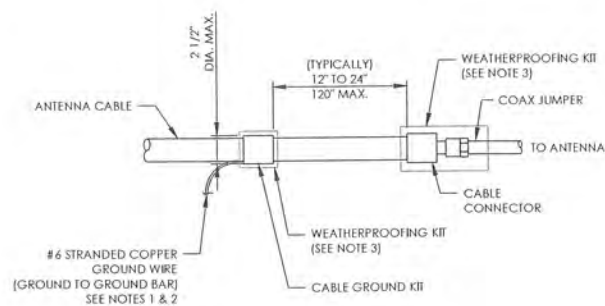
4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



NOTES:

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

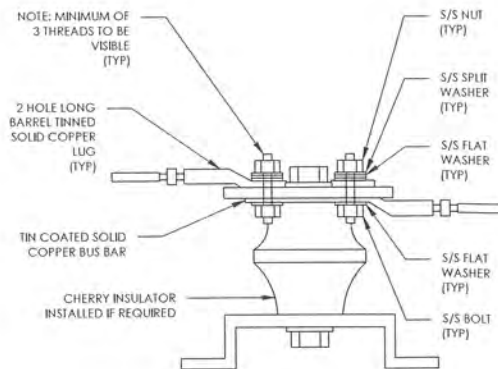
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



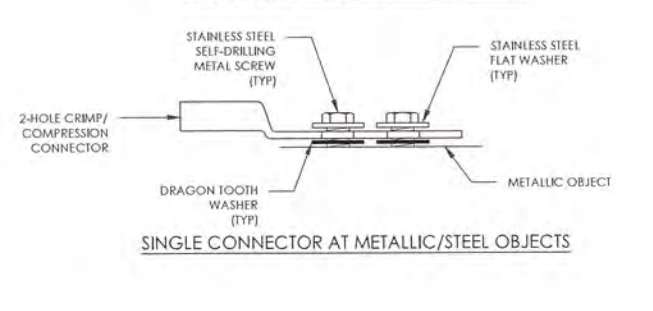
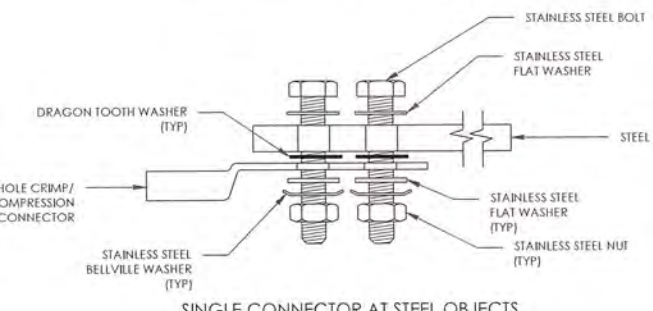
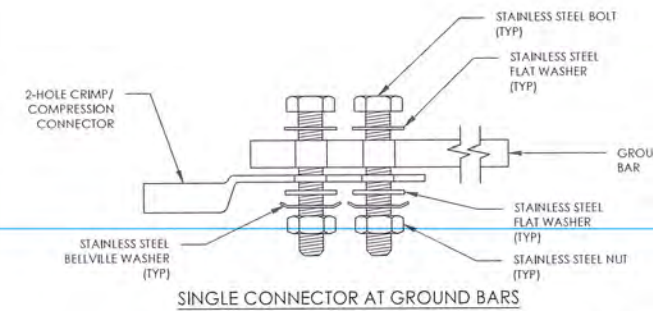
NOTES:

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

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE

T-Mobile

2008 MCGAW AVENUE
IRVINE, CA 92614

CROWN CASTLE

200 SPECTRUM CENTER DRIVE,
SUITE 1700 & 1800
IRVINE, CA 92618

PM&A

P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

T-MOBILE SITE NUMBER:
SF40959A

BU #: 857683
CA371 - POTTER VALLEY

12531 EEL RIVER ROAD
POTTER VALLEY, CA 95469

EXISTING 65'-0" MONOPOLE

ISSUED FOR:

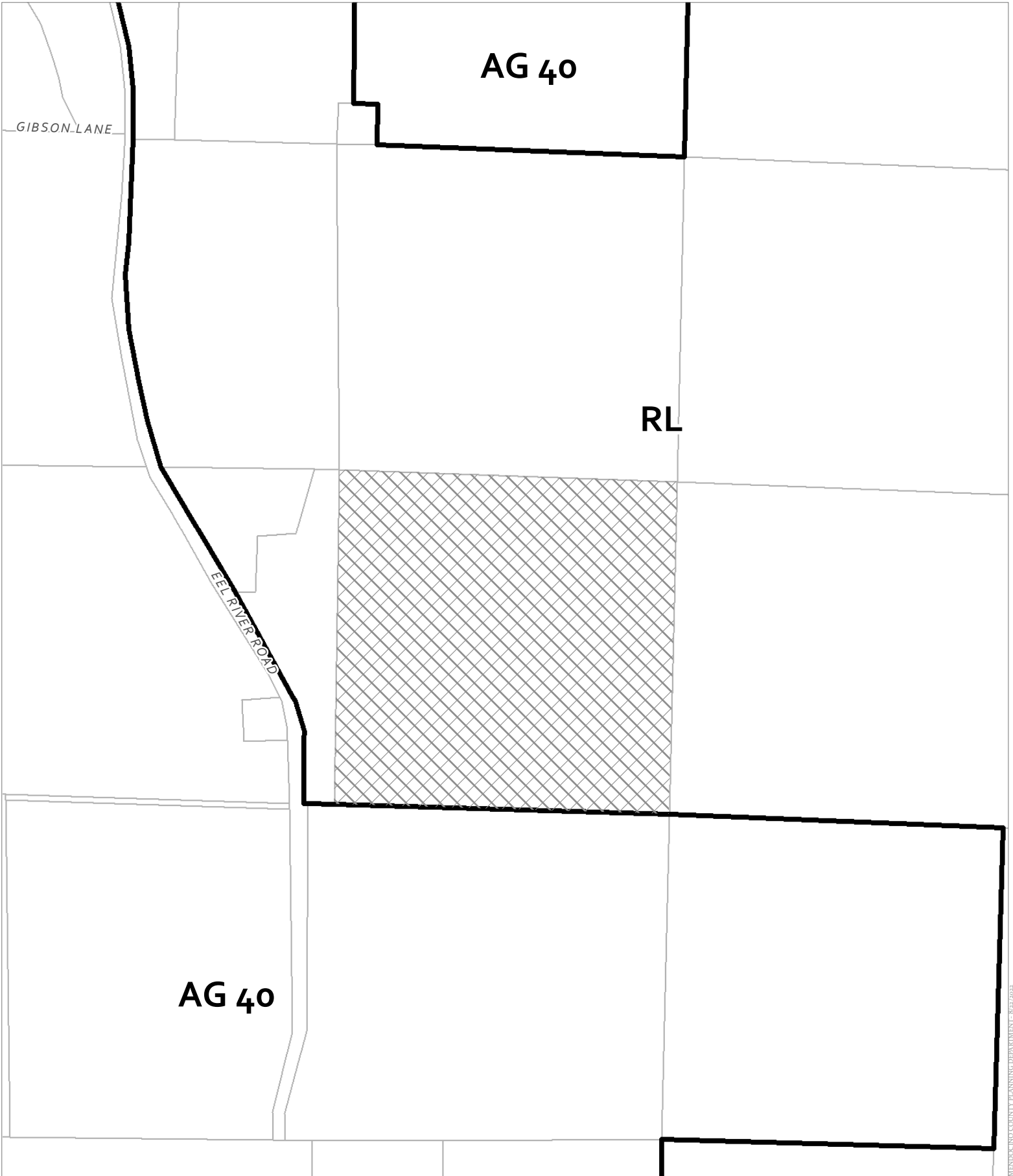
REV	DATE	DRWN	DESCRIPTION	DES/QA
A	05/18/22	SM	PRELIMINARY	HS
0	06/02/22	SM	FINAL CD	HS



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.

PROJECT NUMBER:
22CT4M-021

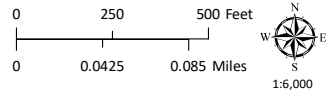
SHEET NUMBER: **G-1** REVISION: **0**



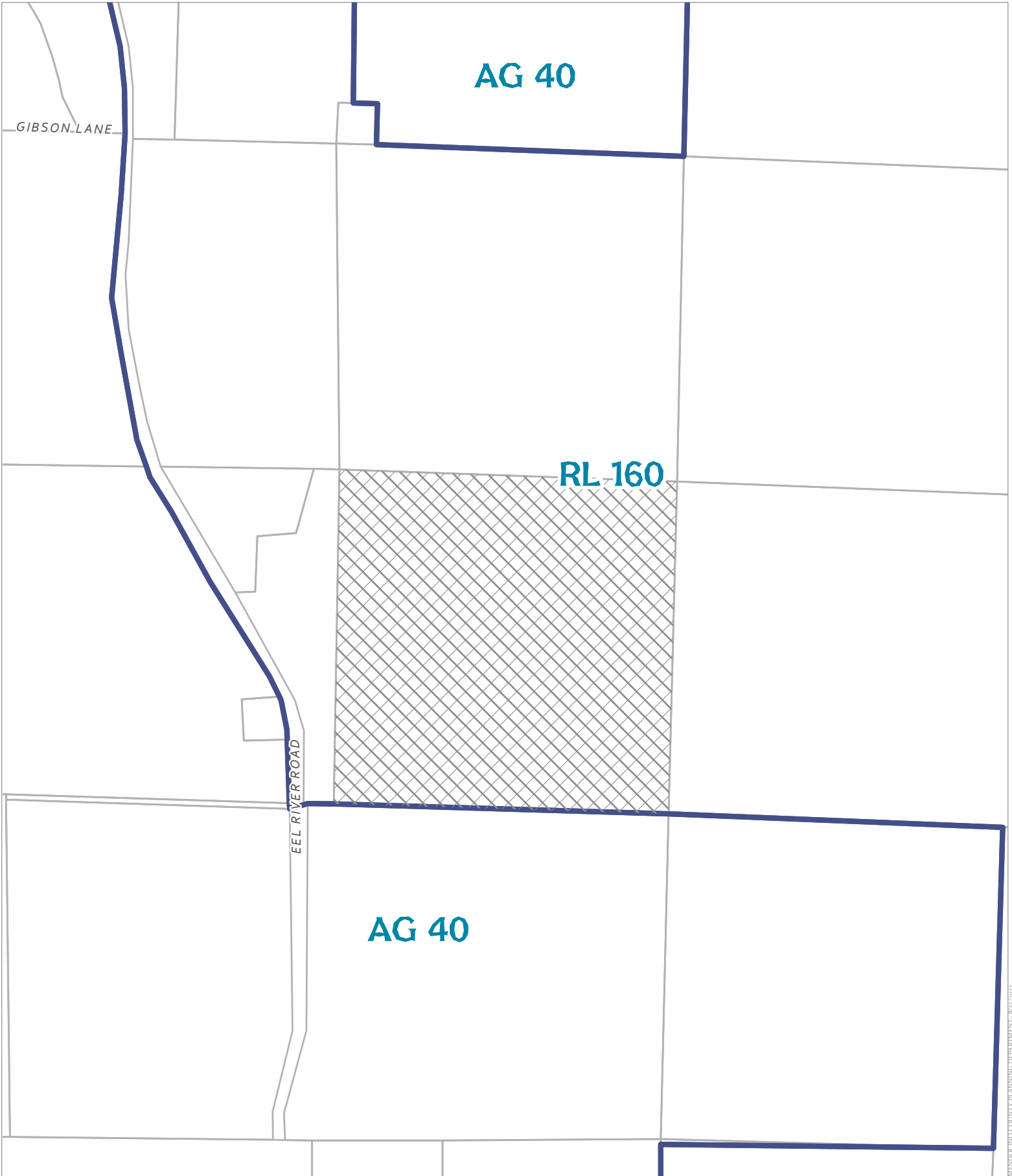
MENDOCINO COUNTY PLANNING DEPARTMENT - 8/27/2022

CASE: AP 2022-0030
 OWNER: LLAMAS, Joel
 APN: 175-010-10
 APLCT: T-Mobile West
 AGENT: Adam Bruns-Trukhin
 ADDRESS: 12531 Eel River Road, Potter Valley



 Zoning Districts
 Public Roads

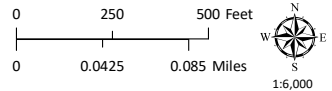


ZONING DISPLAY MAP



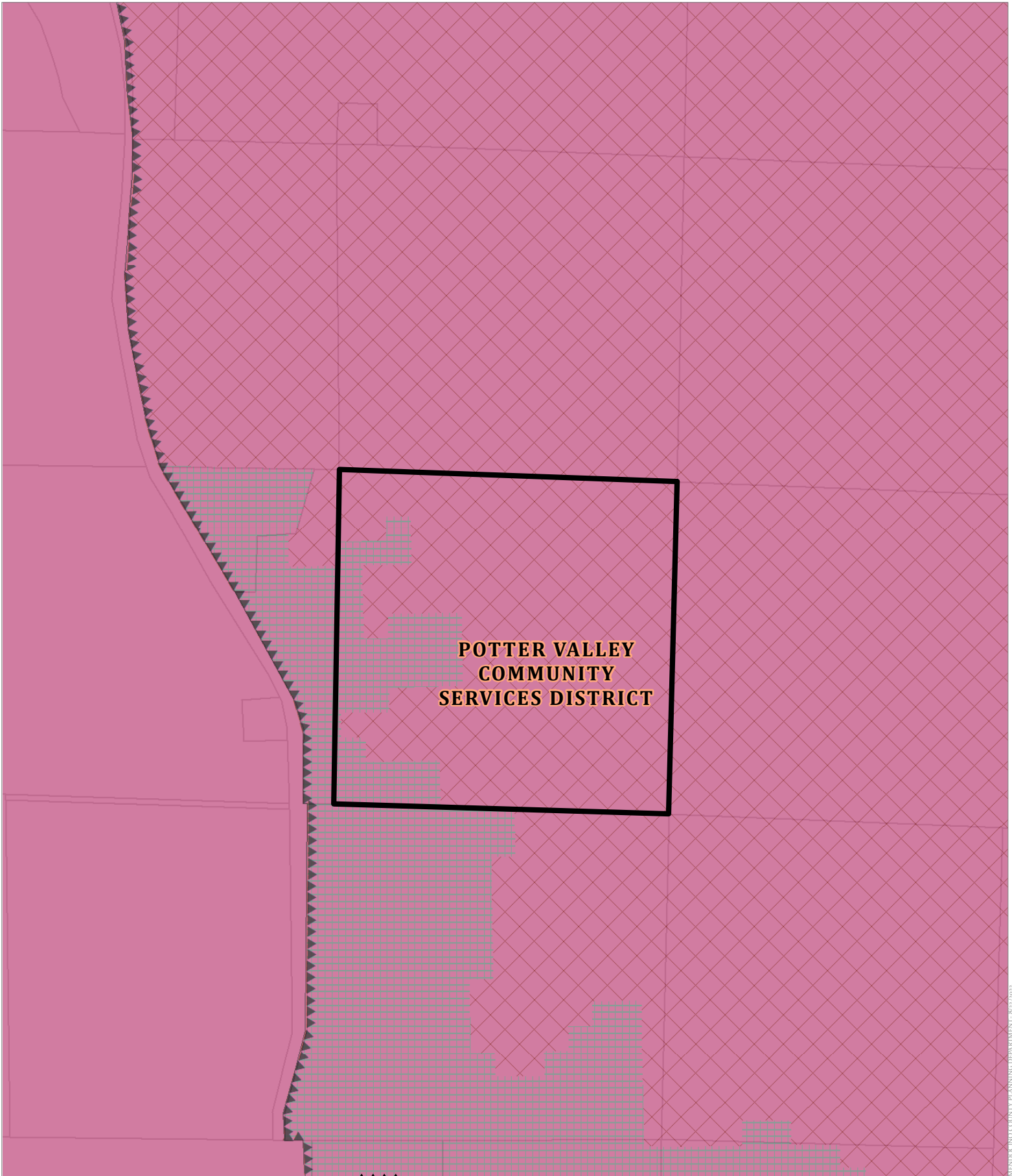
CASE: AP 2022-0030
 OWNER: LLAMAS, Joel
 APN: 175-010-10
 APLCT: T-Mobile West
 AGENT: Adam Bruns-Trukhin
 ADDRESS: 12531 Eel River Road, Potter Valley

 General Plan Classes
 Public Roads



GENERAL PLAN CLASSIFICATIONS

MENDOCINO COUNTY PLANNING DEPARTMENT - 8/27/2022



**POTTER VALLEY
COMMUNITY
SERVICES DISTRICT**

CASE: AP 2022-0030
 OWNER: LLAMAS, Joel
 APN: 175-010-10
 APLCT: T-Mobile West
 AGENT: Adam Bruns-Trukhin
 ADDRESS: 12531 Eel River Road, Potter Valley



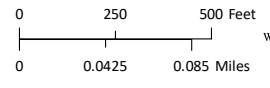
LRA



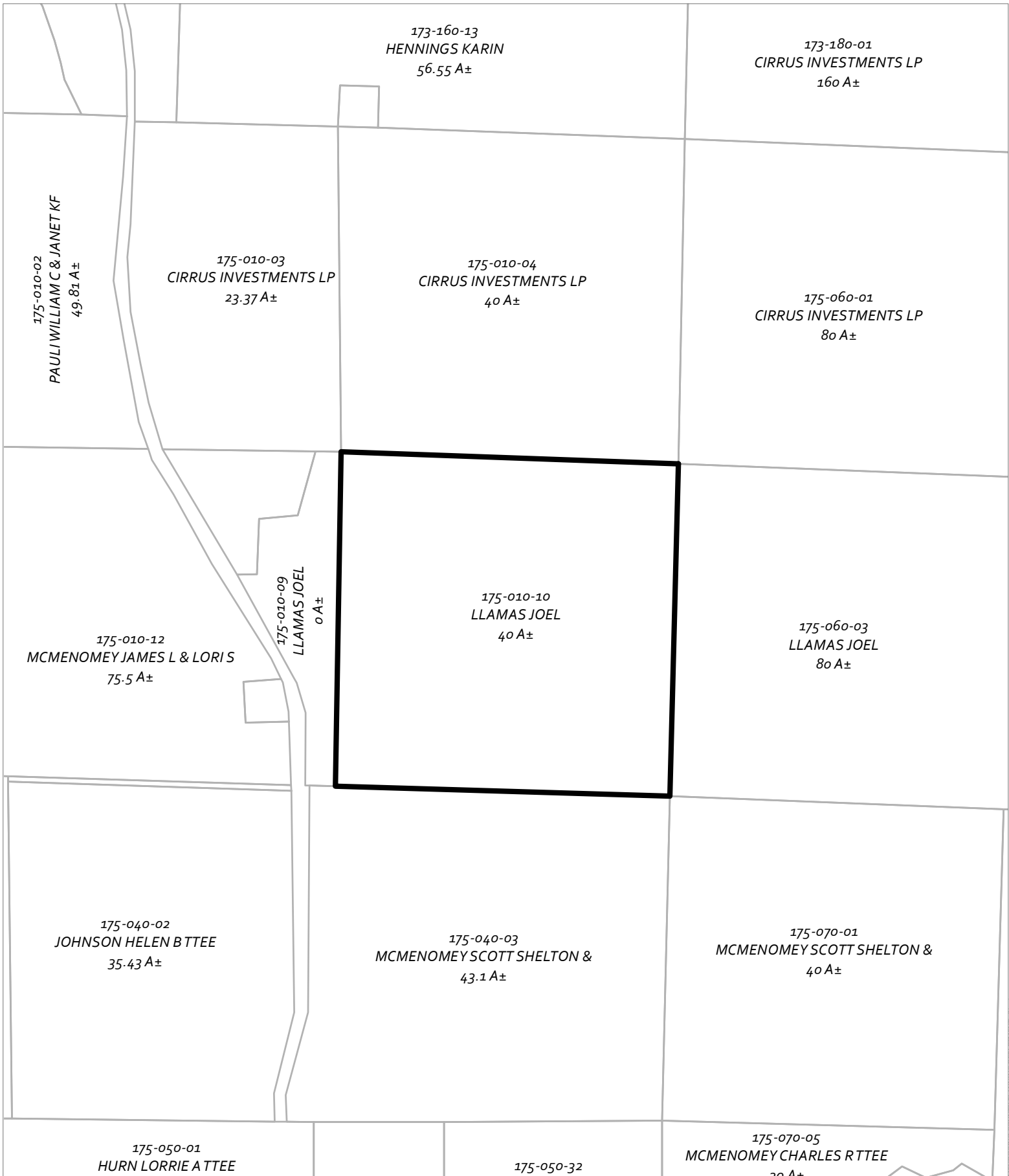
County Fire Districts

High Fire Hazard

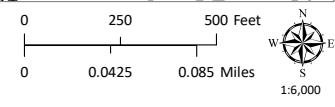
Moderate Fire Hazard



FIRE HAZARD ZONES & RESPONSIBILITY AREAS
 STATE RESPONSIBILITY AREA



CASE: AP 2022-0030
 OWNER: LLAMAS, Joel
 APN: 175-010-10
 APLCT: T-Mobile West
 AGENT: Adam Bruns-Trukhin
 ADDRESS: 12531 Eel River Road, Potter Valley



MENDOCINO COUNTY PLANNING DEPARTMENT - 8/27/2022

ADJACENT PARCELS