



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
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pbs@mendocinocounty.org
www.mendocinocounty.org/pbs

December 05, 2023

Department of Transportation
Building Inspection - Ukiah
Assessor
Air Quality Management

Airport Land Use Commission
Department of Forestry/ CalFire
-Land Use
Department of Fish and Wildlife

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

CASE#: AP_2023-0008

DATE FILED: 3/2/2023

OWNER: RUDDICK RANCH INCORPORATED

APPLICANT: CALIFORNIA RURAL SERVICE AREA #1

AGENT: FAULK AND FOSTER/GARA FLUITT

REQUEST: Administrative Permit to modify an existing telecommunication site. The modifications include the addition of six (6) Remote Radio Heads, six (6) integrated antennas, and other small ancillary equipment.

ENVIRONMENTAL DETERMINATION: Categorically Exempt

LOCATION: 1.1± miles southwest of Talmage, on the west side of Ruddick Cunningham Road (CR 205), 0.9± miles south of its intersection with State Highway 222 (SR 222), located at 1800 Ruddick Cunningham Rd., Talmage (APN:183-030-02).

SUPERVISORIAL DISTRICT: 1

STAFF PLANNER: LIAM CROWLEY

RESPONSE DUE DATE: December 19, 2023

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

CASE: AP_2023-0008

OWNER: RUDDICK RANCH INCORPORATED

APPLICANT: CALIFORNIA RURAL SERVICE AREA #1 (US CELLULAR)

AGENT: FAULK AND FOSTER

REQUEST: Administrative Permit to modify an existing telecommunication site. The modifications include the addition of six (6) remote radio heads, six (6) integrated antennas, and other small ancillary equipment.

LOCATION: 1.1± miles southwest of Talmage, on the west side of Ruddick Cunningham Road (CR 205), 0.9± miles south of its intersection with State Highway 222 (SR 222), located at 1800 Ruddick Cunningham Rd., Talmage (APN:183-030-02).

APN/S: 183-030-02

PARCEL SIZE: 50± Acres

GENERAL PLAN: Agricultural (AG)

ZONING: Agricultural (A-G)

EXISTING USES: Agricultural, telecommunication facility

DISTRICT: 1st (McGourty)

RELATED CASES: See below.

	<u>ADJACENT GENERAL PLAN</u>	<u>ADJACENT ZONING</u>	<u>ADJACENT LOT SIZES</u>	<u>ADJACENT USES</u>
NORTH:	Agricultural (AG:40)	Agricultural (A-G)	18± Acres	Agricultural
EAST:	Agricultural (AG:40)	Agricultural (A-G)	111± Acres	Agricultural
SOUTH:	Agricultural (AG:40)	Agricultural (A-G)	44± Acres	Agricultural
WEST:	Agricultural (AG:40)	Agricultural (A-G)	50± Acres	Agricultural

REFERRAL AGENCIES

LOCAL

- Air Quality Management District
- Airport Land Use Commission
- Assessor's Office
- Building Division (Ukiah)
- Department of Transportation (DOT)

- Ukiah Valley Fire Authority

STATE

- CALFIRE (Land Use)
- California Dept. of Fish & Wildlife

TRIBAL

- Cloverdale Rancheria
- Redwood Valley Rancheria
- Sherwood Valley Band of Pomo Indians

ADDITIONAL INFORMATION – Related cases include the following:

- **U_2008-0016:** Use permit to authorize construction and operation of a telecommunication facility consisting of a 60-foot-tall monopole, 6 panel antennas, a 35-kilowatt diesel generator, a 1,000-gallon LPG tank, and an 11-foot by 16-foot equipment shelter. Approved 05/20/2010.
- **AP_2017-0013:** Administrative Permit for modifications to the existing facility, including the installation of six (6) antennas, one (1) hybrid cable, one (1) power cable, three (3) t-arm mounts, six (6) FRLB remote radio heads, two (2) surge protectors, twelve (12) combiners, and two (2) stackable FXCB remote radio heads. The modifications also included removal of three (3) antennas, six (6) coaxial cables, and three (3) t-arm mounts. Approved 07/18/2017.
- **AP_2019-0053:** Administrative permit for modifications to the existing facility, including the installation of three (3) RRHs, three (3) fiber jumpers, three (3) power jumpers, and twelve (12) ½ inch jumpers. Approved 08/19/2019.
- **AP_2019-0092:** Administrative Permit for modifications to the existing facility, including the installation of six (6) LTE antennas and associated equipment. The modifications also included removal of decommissioned panel equipment. Approved 12/30/2019.
- **UR_2023-0003:** Renewal of Use Permit U_2008-0016 for an additional ten (10) year period. Approved 06/15/2023.

A Structural Analysis Report was prepared for the project to determine the structural integrity of the tower. This report is available on file at Mendocino County Planning & Building Services. For more information, please contact staff planner Liam Crowley at crowleyl@mendocinocounty.gov.

STAFF PLANNER: Liam Crowley

DATE: 12/1/2023

ENVIRONMENTAL DATA

1. MAC:

GIS

None

2. FIRE HAZARD SEVERITY ZONE:

CALFIRE FRAP maps/GIS

Non-Wildland/Non-Urban

3. FIRE RESPONSIBILITY AREA:

CALFIRE FRAP maps/GIS

Local Responsibility Area (LRA)

4. FARMLAND CLASSIFICATION:

GIS

Prime Farmland

5. FLOOD ZONE CLASSIFICATION:

FEMA Flood Insurance Rate Maps (FIRM)

Floodway

6. COASTAL GROUNDWATER RESOURCE AREA:

Coastal Groundwater Study/GIS

N/A

7. SOIL CLASSIFICATION:

Mendocino County Soils Study Eastern/Western Part

Eastern Soil Map Unit No. 113

8. PYGMY VEGETATION OR PYGMY CAPABLE SOIL:

LCP maps, Pygmy Soils Maps; GIS

N/A

9. WILLIAMSON ACT CONTRACT:

GIS/Mendocino County Assessor's Office

No

10. TIMBER PRODUCTION ZONE:

GIS

No

11. WETLANDS CLASSIFICATION:

GIS

None

12. EARTHQUAKE FAULT ZONE:

Earthquake Fault Zone Maps; GIS

No

13. AIRPORT LAND USE PLANNING AREA:

Airport Land Use Plan; GIS

Ukiah Municipal Airport Zone 6

14. SUPERFUND/BROWNFIELD/HAZMAT SITE:

GIS; General Plan 3-11

No

15. NATURAL DIVERSITY DATABASE:

CA Dept. of Fish & Wildlife Rarefind Database/GIS

No

16. STATE FOREST/PARK/RECREATION AREA ADJACENT:

GIS; General Plan 3-10

No

17. LANDSLIDE HAZARD:

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

No

18. WATER EFFICIENT LANDSCAPE REQUIRED:

Policy RM-7; General Plan 4-34

No

19. WILD AND SCENIC RIVER:

www.rivers.gov (Eel Only); GIS

No

20. SPECIFIC PLAN/SPECIAL PLAN AREA:

Various Adopted Specific Plan Areas; GIS

Ukiah Valley Area Plan (UVAP)

21. STATE CLEARINGHOUSE REQUIRED:

Policy

No

22. OAK WOODLAND AREA:

USDA

No

23. HARBOR DISTRICT:

Sec. 20.512

No



PLANNING & BUILDING SERVICES

CASE NO:	AP 2023-0709
DATE FILED:	3-2-23
FEE:	\$2,786.00
RECEIPT NO:	PRS 054854
RECEIVED BY:	KG

Office Use Only

APPLICATION FORM

APPLICANT:

California Rural Service Area #1, Inc. by its agent
 Name: Faulk and Foster Phone: 318-807-2631
 Mailing Address: 8410 West Bryn Mawr Avenue, Suite 700
 City: Chicago State/Zip: IL 60631 Email: gara.fluitt@faulkandfoster.com

PROPERTY OWNER:

Name: RUDDICK RANCH INCORPORATED Phone: not applicable - all permission given in lease
 Mailing Address: PO Box 539
 City: TALMAGE, State/Zip: CA 95481 Email: not applicable - all permission given in lease

AGENT:

Name: Faulk and Foster by Gara Fluitt Phone: 318-807-2631
 Mailing Address: 1811 Auburn Avenue
 City: Monroe State/Zip: LA/71201 Email: gara.fluitt@faulkandfoster.com

ASSESSOR'S PARCEL NUMBER/S: 183-030-02-00

TYPE OF APPLICATION:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Administrative Permit | <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Use Permit - Cottage |
| <input type="checkbox"/> Agricultural Preserve: New Contract | <input type="checkbox"/> Land Division - Minor | <input type="checkbox"/> Use Permit - Minor |
| <input type="checkbox"/> Agricultural Preserve: Cancellation | <input type="checkbox"/> Land Division - Major | <input type="checkbox"/> Use Permit - Major |
| <input type="checkbox"/> Agricultural Preserve: Rescind & ReEnter | <input type="checkbox"/> Land Division - Parcel | <input type="checkbox"/> Use Permit - Modification |
| <input type="checkbox"/> Airport Land Use | <input type="checkbox"/> Land Division - Re-Subdivision | <input type="checkbox"/> Variance |
| <input type="checkbox"/> Development Review | <input type="checkbox"/> Modification of Conditions | <input type="checkbox"/> Other |
| <input type="checkbox"/> Exception | <input type="checkbox"/> Reversion to Acreage | |
| <input type="checkbox"/> Flood Hazard Development Permit | <input type="checkbox"/> Rezoning | |

RECEIVED
 MAR 02 2023
 Planning & Building Services

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

Gara Fluitt

Digitally signed by Gara Fluitt
 DN: cn=Gara Fluitt, o=Faulk & Foster, ou, email=gara.fluitt@faulkandfoster.com, c=US
 Date: 2023.02.27 15:05:14 -06'00'

2/27/23

see attached lease

Signature of Applicant/Agent

Date

Signature of Owner

Date

SITE AND PROJECT DESCRIPTION QUESTIONNAIRE

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

THE PROJECT

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

Modification of antennas and equipment pursuant to the scope of work and a narrative description.

2. Structures/Lot Coverage	NO. OF UNITS		SQUARE FOOTAGE		
	EXISTING	PROPOSED	EXISTING	PROPOSED	TOTAL
<input type="checkbox"/> Single Family <input type="checkbox"/> Mobile Home <input type="checkbox"/> Duplex <input type="checkbox"/> Multifamily <input type="checkbox"/> Other: <input type="checkbox"/> Other:					
GRAND TOTAL (Equal to gross area of Parcel):					

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

Estimated No. of Employees per shift: _____

Estimated No. of shifts per day: _____

Type of loading facilities proposed: _____

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?

	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:

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.
no change

17. Utilities will be supplied to the site as follows: no change

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? none

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

19. What will be the domestic water source: none

- 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:

nothing new

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

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

no change

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

no change



February 3, 2023

RE: Faulk & Foster Authorization

To Whom it may concern,

U.S. Cellular® authorizes Faulk and Foster to represent U.S. Cellular® in the performance of project management, zoning, and permitting activities for various projects in the states of California, Oregon, Washington, Texas, Oklahoma, Missouri, Kansas, Nebraska, Iowa, Illinois, Wisconsin, Tennessee, South Carolina, North Carolina, West Virginia, Virginia, Pennsylvania, New Hampshire, Maine.

Best regards,

Brandi Vandenberg

Brandi Vandenberg
U.S. Cellular®
Sr Manager Access Deployment
10343 Military Road
Omaha, NE 68134
(402) 515-8275
brandi.vandenberg@uscellular.com

STATE LOCATION



C-BAND & DoD DRAWINGS

TALMAGE CAPACITY

SITE NAME:
568451

SITE ADDRESS:
**1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)**

SITE LOCATION



PROJECT TEAM

PROJECT CONTACT:
NAME: U.S. CELLULAR CORPORATION
ADDRESS: 8410 W BRYN MAWR SUITE 700
CITY, STATE, ZIP: CHICAGO, IL 60631
CONTACT: RANDALL MATTSO

SITE ACQUISITION:
NAME: FAULK & FOSTER
ADDRESS: 1811 AUBURN AVENUE
CITY, STATE, ZIP: MONROE, LA 71201
CONTACT: DAN HOOVER
PHONE: (318) 807-4666

TOWER OWNER:
NAME: US CELLULAR CORPORATION
ADDRESS: 8410 W. BRYN MAWR, SUITE 700
CITY, STATE, ZIP: CHICAGO, IL 60631
CONTACT: RANDALL MATTSO

CIVIL ENGINEER:
NAME: TOWER ENGINEERING PROFESSIONALS, INC.
ADDRESS: 4710 E. ELWOOD ST. #9
CITY, STATE, ZIP: PHOENIX, AZ 85040
CONTACT: DAN REIDENBACH, P.E.
PHONE: (480) 750-9062

PROJECT INFORMATION

LATITUDE: N 39° 07' 15.8" *
LONGITUDE: W 123° 10' 54.6" *
GROUND ELEVATION: 580± (AMSL) **
* INFORMATION PROVIDED USCC
** INFORMATION FROM GOOGLE EARTH

TOWER TYPE: 59'-0" MONOPOLE
LOADING TYPE: DX210F-CDMA - NOKIA C-BAND & DoD KEY ENTRY (7CI KEY)

ACCESS ISSUES:
GATE COMBO: N/A



**Know what's below.
Call before you dig**

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STRUCTURAL NOTE

STRUCTURAL STATUS:
• TOWER SA - PASSING (JANUARY 24, 2023)
• MOUNT REPLACEMENT SA - PASSING (FEBRUARY 2, 2023)

SCOPE OF WORK

TOWER SCOPE:

EXISTING EQUIPMENT TO REMAIN:
(6) DENGYO OCT8-2LX2HX-BW65 LTE PANEL ANTENNAS
(3) NOKIA AHL0A B12/B71 RRHs
(3) NOKIA AHFIB B2/B66 RRHs
(2) NOKIA FXCB B5 RRHs
(2) RAYCAPS RUSDC-6267-PF-48
(2) 1/4" HYBRID CABLES
(6) FH 7/8" CDMA COAX

PROPOSED EQUIPMENT:
(3) NOKIA AQOK C-BAND RRHs W/ INTEGRATED ANTENNAS
(3) NOKIA AEQU DoD RRHs W/INTEGRATED ANTENNA
(1) RAYCAP RUSDC-6267-PF-48
(1) 1/4" HYBRID CABLE

LTE JUMPERS:
(3) FIBER JUMPERS FROM RAYCAP TO C-BAND RRHs
(3) FIBER JUMPERS FROM RAYCAP TO DoD RRHs
(3) POWER JUMPERS FROM RAYCAP TO C-BAND RRHs
(3) POWER JUMPERS FROM RAYCAP TO DoD RRHs
(12) 1/2" JUMPERS FROM B12/B71 RRHs TO ANTENNAS
(12) 1/2" JUMPERS FROM B2/B66 RRHs TO ANTENNAS
(12) 1/2" JUMPERS FROM B5 RRHs TO ANTENNAS
(3) RET JUMPERS FROM B12/B71 RRHs TO ANTENNAS
(3) RET JUMPERS FROM B2/B66 RRHs TO ANTENNAS

TOP TOWER GROUND BAR:
CANNOT ACCOMMODATE ADDITIONAL GROUND LEADS. PROPOSED GROUND BAR REQUIRED.

BOTTOM TOWER GROUND BAR:
CAN ACCOMMODATE ADDITIONAL GROUND LEAD.

ICE BRIDGE:
CAN ACCOMMODATE ADDITION OF (1) HYBRID CABLE, (1) GPS ANTENNA AND (1) GPS CABLE.

SHELTER COAX PORT:
CAN ACCOMMODATE ADDITION OF (1) HYBRID CABLE AND (1) GPS CABLE.

SHELTER EXTERIOR GROUND BAR:
CAN ACCOMMODATE ADDITIONAL GROUND LEADS.

PROPOSED EQUIPMENT:
(1) PROPOSED RAYCAP FIBER SLACK TRAY
(1) PROPOSED RAYCAP PDU BOX (BY OTHERS)

EXISTING EQUIPMENT:
(2) RAYCAPS RUSDC-6267-PF-48 TO REMAIN
(1) RAYCAP RUSDC-8999-P-48 TO BE REMOVED

SHELTER INTERNAL GROUND BAR:
CAN ACCOMMODATE ADDITIONAL GROUND LEAD.

ANTENNA AZIMUTHS:
PROPOSED C-BAND AND DoD RRHs TO BE INSTALLED AT THE DESIGN AZIMUTH. AZIMUTH CHANGES MUST BE PRE SCHEDULED WITH USCC.

ANTENNA MOUNT:
EXISTING ANTENNA MOUNTS TO BE REPLACED. SEE MOUNT REPLACEMENT ANALYSIS BY TEP DATED FEBRUARY 2, 2023.

ANTENNA CONFIGURATION:
PROPOSED C-BAND AND DoD RRHs TO BE INSTALLED AT 53'-6" AND PLACED ON MOUNT POSITIONS A3, B3 AND G3.

CDMA CONSOLIDATION:
GC TO PLUMB ALL SECTORS CDMA COAX INTO EXISTING LTE ANTENNAS. SEE SHEET C-11 FOR DETAILS.

DECOMMISSIONED EQUIPMENT REMOVAL:

EQUIPMENT REMOVAL:
(3) AMPHENOL BXA-80040-BCF-EDIN-0 CDMA PANEL ANTENNAS
(2) RAYCAP RUSDC-8999-P-48
(1) 1/4" POWER CABLE

PLANS PREPARED FOR:



8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

568451

TALMAGE CAPACITY
1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
500 E. 84TH AVE, SUITE C10
THORNTON, CO 80229
OFFICE: (303) 566-9914
www.tepgroup.net

SEAL:



February 24, 2023

REV	DATE	ISSUED FOR:
3	02-24-23	CONSTRUCTION
2	02-23-23	PRELIMINARY
1	02-02-23	PRELIMINARY

DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:

TITLE SHEET

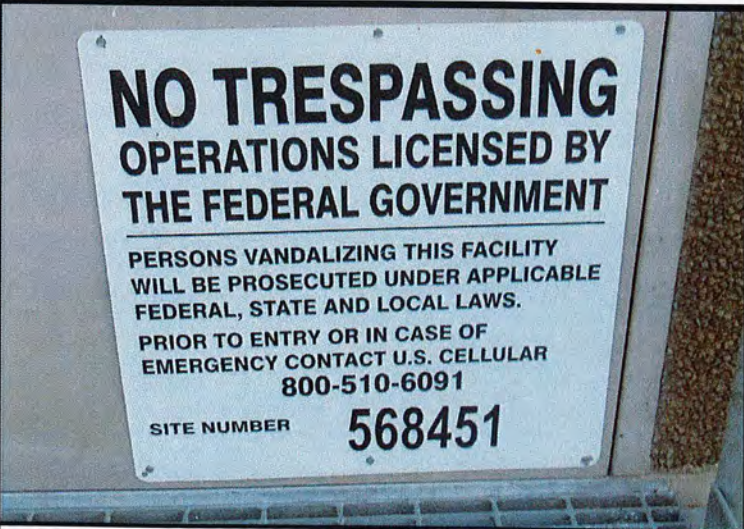
SHEET NUMBER: **T-1** REVISION: **3**
TEP#: 25207.743329



BIRD'S EYE AERIAL OVERVIEW



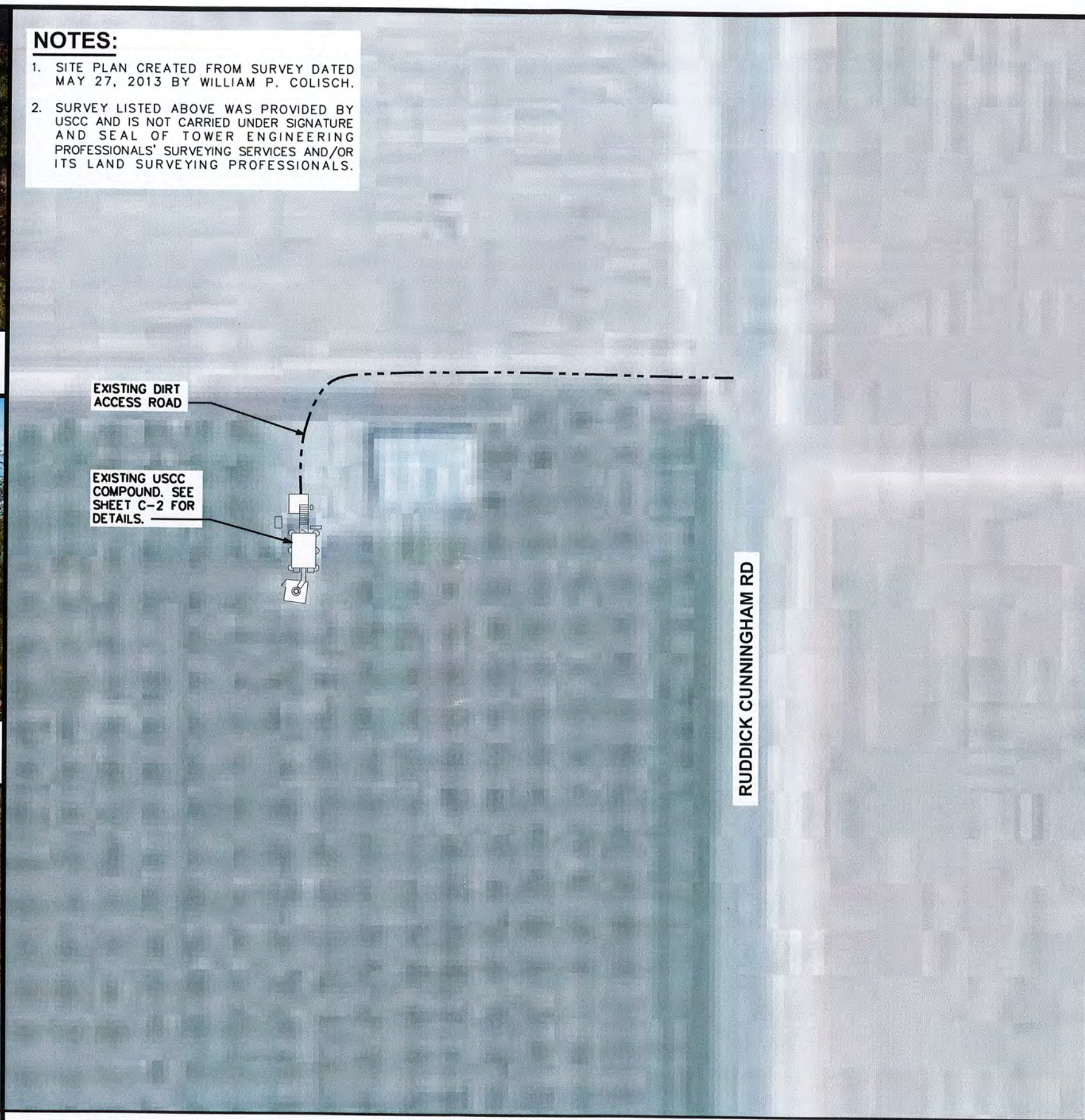
SITE OVERVIEW



COMPOUND SIGNAGE

NOTES:

1. SITE PLAN CREATED FROM SURVEY DATED MAY 27, 2013 BY WILLIAM P. COLISCH.
2. SURVEY LISTED ABOVE WAS PROVIDED BY USCC AND IS NOT CARRIED UNDER SIGNATURE AND SEAL OF TOWER ENGINEERING PROFESSIONALS' SURVEYING SERVICES AND/OR ITS LAND SURVEYING PROFESSIONALS.



EXISTING DIRT ACCESS ROAD

EXISTING USCC COMPOUND. SEE SHEET C-2 FOR DETAILS.

RUDDICK CUNNINGHAM RD

SITE PLAN
SCALE: N.T.S

PLANS PREPARED FOR:

 8410 W BRYN MAWR SUITE 700
 CHICAGO, IL 60631
 (773) 399-8900

PROJECT INFORMATION:
568451
TALMAGE CAPACITY
 1800 RUDDICK-CUNNINGHAM RD
 UKIAH, CA 95482
 (MENDOCINO COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 500 E. 84TH AVE, SUITE C10
 THORNTON, CO 80229
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:

 February 24, 2023

3	02-24-23	CONSTRUCTION
2	02-23-23	PRELIMINARY
1	02-02-23	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: R5R CHECKED BY: G5K

SHEET TITLE:
SITE PLAN

SHEET NUMBER: **C-1** REVISION: **3**
 TEP #: 25207.743329



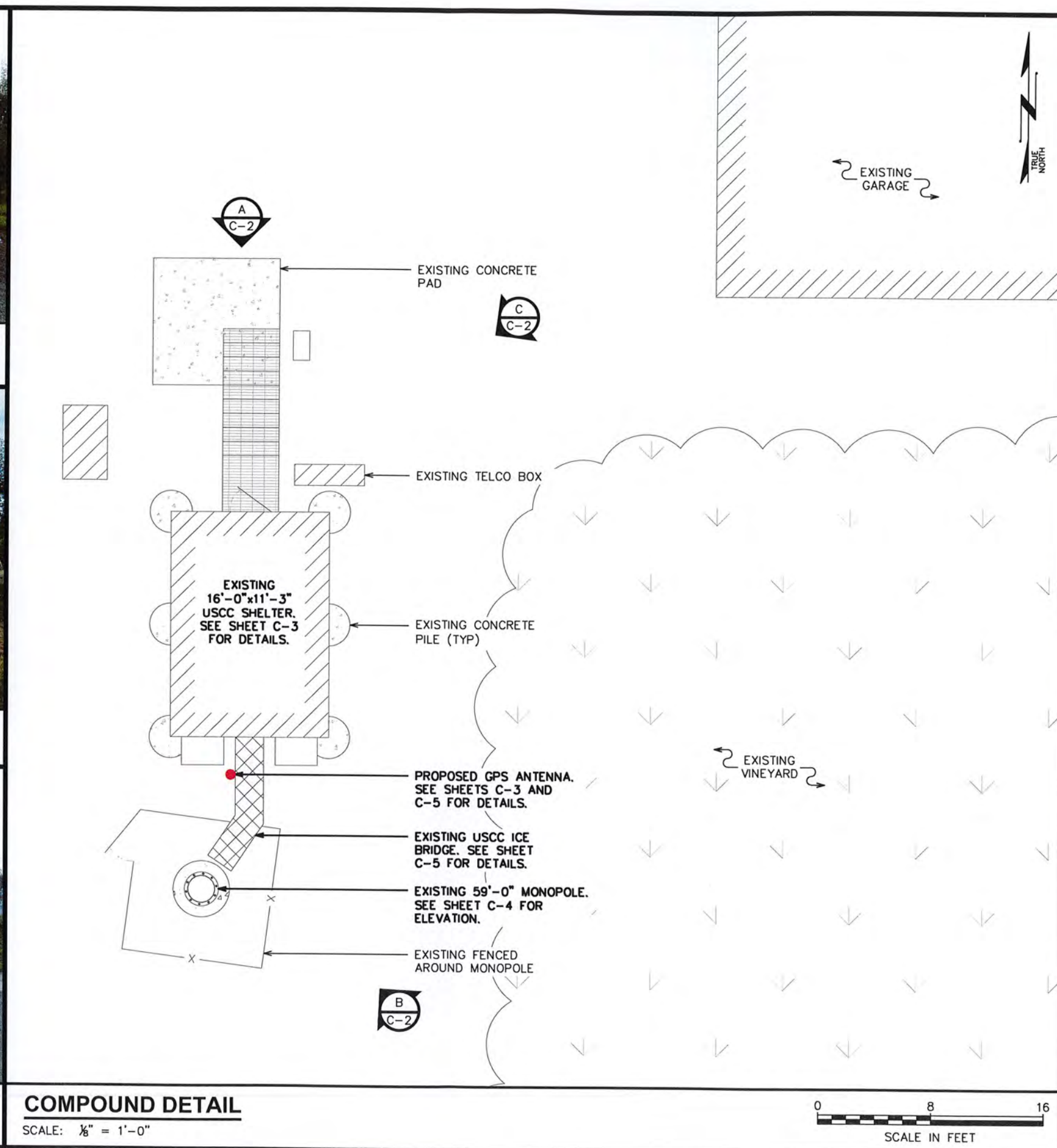
COMPOUND VIEW "A"



COMPOUND VIEW "B"



COMPOUND VIEW "C"



COMPOUND DETAIL

SCALE: 1/8" = 1'-0"

PLANS PREPARED FOR:

 8410 W BRYN MAWR SUITE 700
 CHICAGO, IL 60631
 (773) 399-8900

PROJECT INFORMATION:
568451
TALMAGE CAPACITY
 1800 RUDDICK-CUNNINGHAM RD
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PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 500 E. 84TH AVE, SUITE C10
 THORNTON, CO 80229
 OFFICE: (303) 566-9914
 www.tepgroup.net

SEAL:

 February 24, 2023

REV	DATE	ISSUED FOR:
3	02-24-23	CONSTRUCTION
2	02-23-23	PRELIMINARY
1	02-02-23	PRELIMINARY

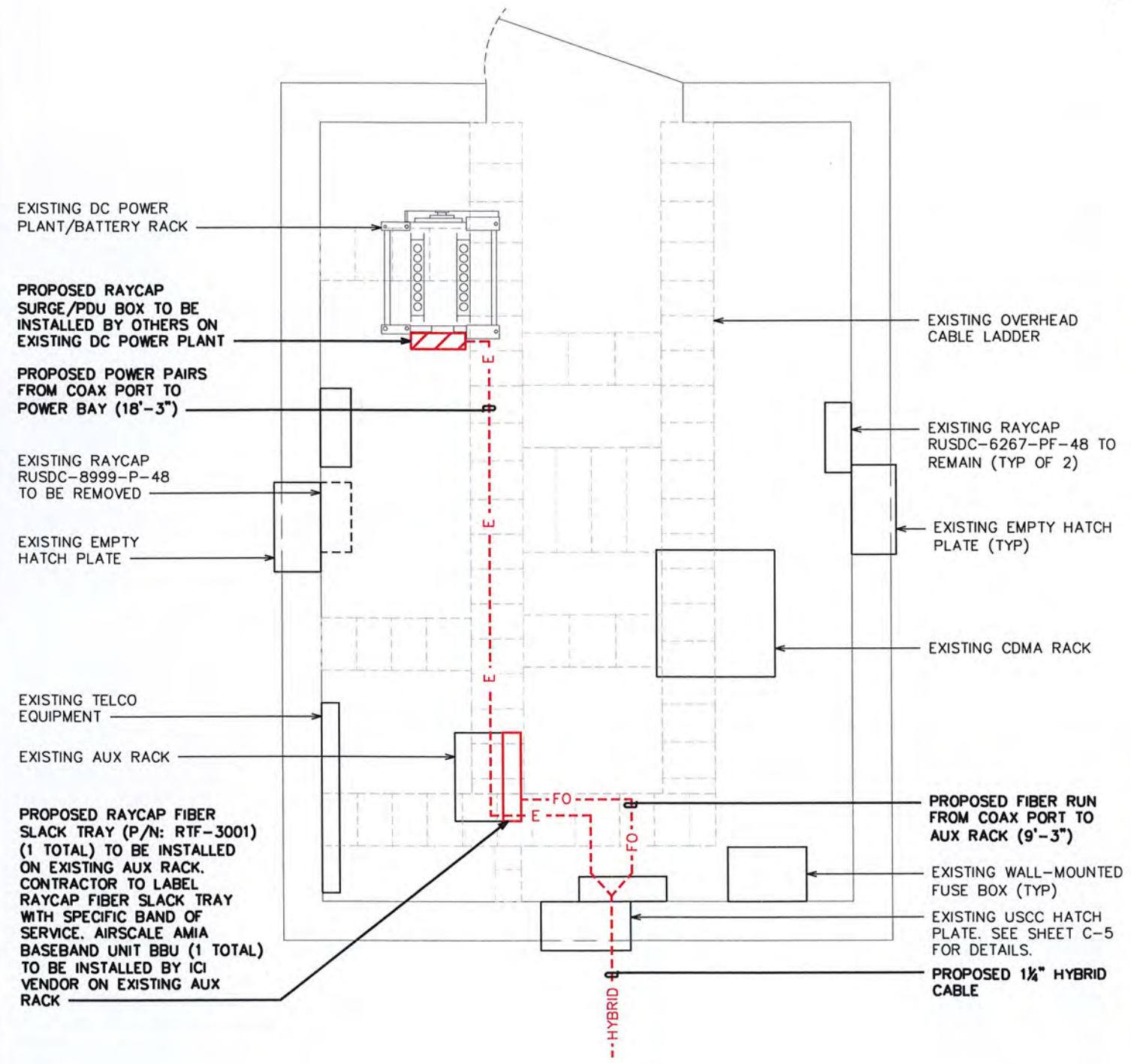
DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:
COMPOUND DETAIL

SHEET NUMBER: **C-2** REVISION: **3**
 TEP#: 25207.743329

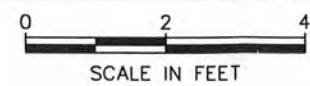
NOTE:

CONTRACTOR TO REMOVE OUTER JACKET OF HYBRID CABLE AT THE COAX PORT TO EXPOSE THE FIBER AND POWER RUNS. FIBER RUNS ARE TO BE ROUTED TO THE AUXILIARY RACK AND THE POWER RUNS ARE TO BE ROUTED TO THE RAYCAP/PDU BOX ON THE POWER BAY.



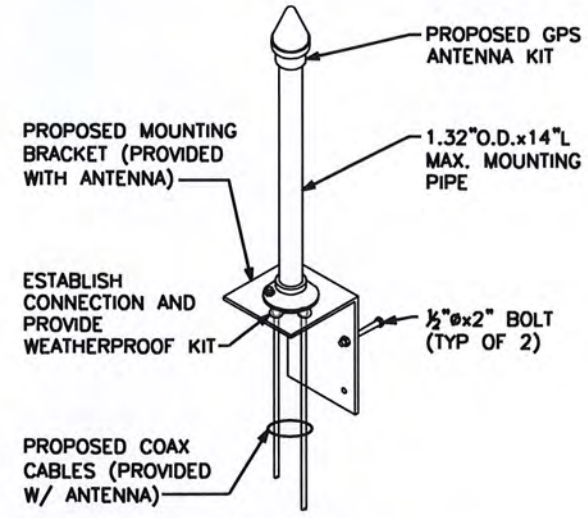
INTERIOR SHELTER LAYOUT

SCALE: 3/8" = 1'-0"



NOTES:

1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
2. ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.



GPS ANTENNA KIT DETAIL

SCALE: N.T.S.



EXISTING AUX RACK LOCATION

PLANS PREPARED FOR:



8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

**568451
TALMAGE CAPACITY**

1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

500 E. 84TH AVE, SUITE C10
THORNTON, CO 80229
OFFICE: (303) 566-9914
www.tepgroup.net

SEAL:



February 24, 2023

3	02-24-23	CONSTRUCTION
2	02-23-23	PRELIMINARY
1	02-02-23	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: R5R CHECKED BY: G5K

SHEET TITLE:

SHELTER DETAIL

SHEET NUMBER:	REVISION:
C-3	3
TEP#: 25207.743329	

EUPEN HYBRID CABLE LENGTH

PROPOSED HYBRID CABLE QUANTITY:	1
EXISTING HYBRID CABLE QUANTITY:	2
LONGEST ROUTE TO COAX PORT IN SHELTER:	18-FT
ICE BRIDGE LENGTH:	10-FT
RAYCAP CENTERLINE + 12-FT BUFFER:	62-FT
TOTAL ESTIMATED LENGTH OF HYBRID CABLE:	90-FT
TOTAL EST. LENGTH OF HYBRID CABLE (ROUNDED UP):	100-FT

JUMPER INFO

JUMPER QUANTITIES	
FIBER JUMPERS:	6
COAX JUMPERS:	36
RET JUMPERS:	6

FIBER JUMPER LENGTH FROM RAYCAP TO RRH		
	C-BAND	DoD
ALPHA SECTOR:	10-M	10-M
BETA SECTOR:	10-M	10-M
GAMMA SECTOR:	10-M	10-M

1/2" COAX JUMPER FROM B12/B71 RRH TO ANTENNA	
ALPHA SECTOR:	25-FT
BETA SECTOR:	25-FT
GAMMA SECTOR:	25-FT

1/2" COAX JUMPER FROM B2/B66 RRH TO ANTENNA	
ALPHA SECTOR:	25-FT
BETA SECTOR:	25-FT
GAMMA SECTOR:	25-FT

1/2" COAX JUMPER FROM B5 RRH TO ANTENNA	
ALPHA SECTOR:	25-FT
BETA SECTOR:	25-FT
GAMMA SECTOR:	25-FT

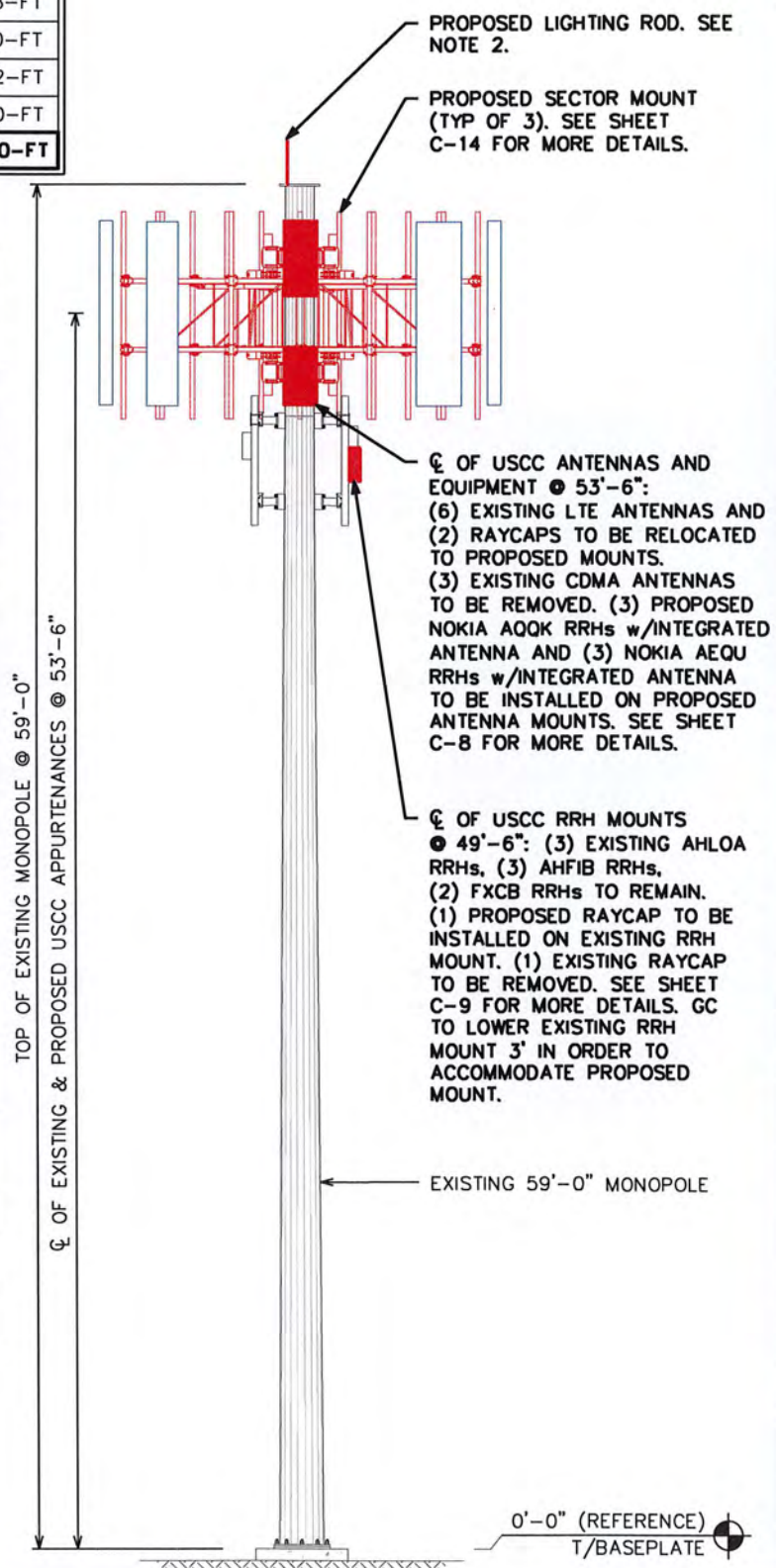
RET JUMPER INFO

	RRH TO ANTENNA
ALPHA SECTOR:	10-M
BETA SECTOR:	10-M
GAMMA SECTOR:	10-M

NOTES:

- EXISTING AND PROPOSED USCC ANTENNAS ARE TO BE VERTICALLY CENTERED ON ANTENNA MOUNT.
- T/LIGHTNING ROD TO EXTEND AT LEAST 2' ABOVE THE NEXT HIGHEST APPURTENANCE.

EXISTING LTE PANEL TO REMAIN:
 EXISTING CDMA PANEL TO REMAIN:
 PROPOSED CBAND/DoD PANEL TO BE INSTALLED:



EXISTING TOWER ELEV.



EXISTING ALPHA SECTOR



EXISTING BETA SECTOR





EXISTING GAMMA SECTOR

PLANS PREPARED FOR:

 8410 W BRYN MAWR SUITE 700
 CHICAGO, IL 60631
 (773) 399-8900

PROJECT INFORMATION:
568451
TALMAGE CAPACITY
 1800 RUDDICK-CUNNINGHAM RD
 UKIAH, CA 95482
 (MENDOCINO COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 500 E. 84TH AVE, SUITE C10
 THORNTON, CO 80229
 OFFICE: (303) 566-9914
 www.tepgroup.net

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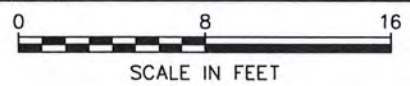
DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:
TOWER ELEVATION

SHEET NUMBER: **C-4** REVISION: **3**
 TEP#: 25207.743329

PROPOSED TOWER ELEVATION

SCALE: 1/8" = 1'-0"

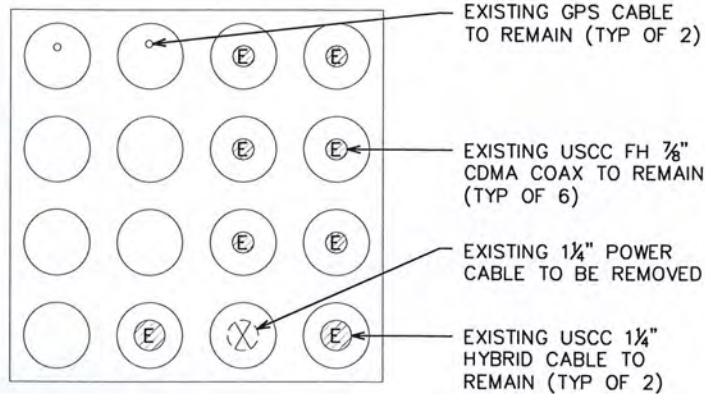


NOTES:

1. ALL VIEWS ARE LOOKING FROM THE TOWER TOWARDS THE SHELTER.
2. ANALOG COAX (IF APPLICABLE) TO BE REMOVED IS LABELED WITH GREEN TAPE.

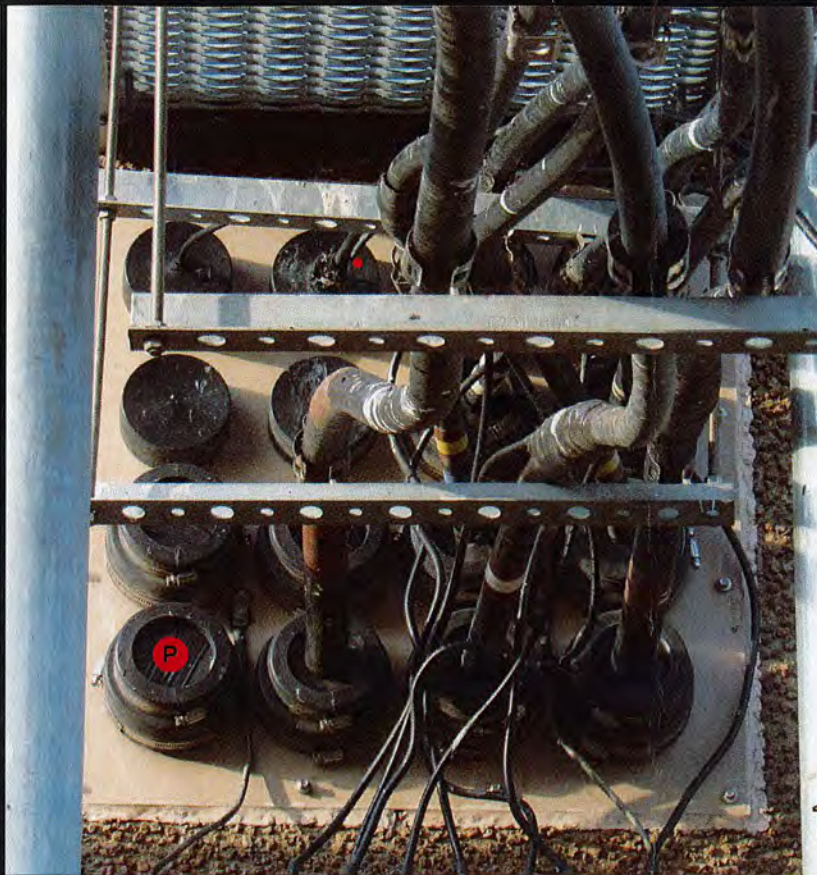
LEGEND

EMPTY PORT	
EXISTING CABLE TO REMAIN	
EXISTING CABLE TO BE REMOVED	
PROPOSED HYBRID	
EXISTING EWG	
PROPOSED EWG	

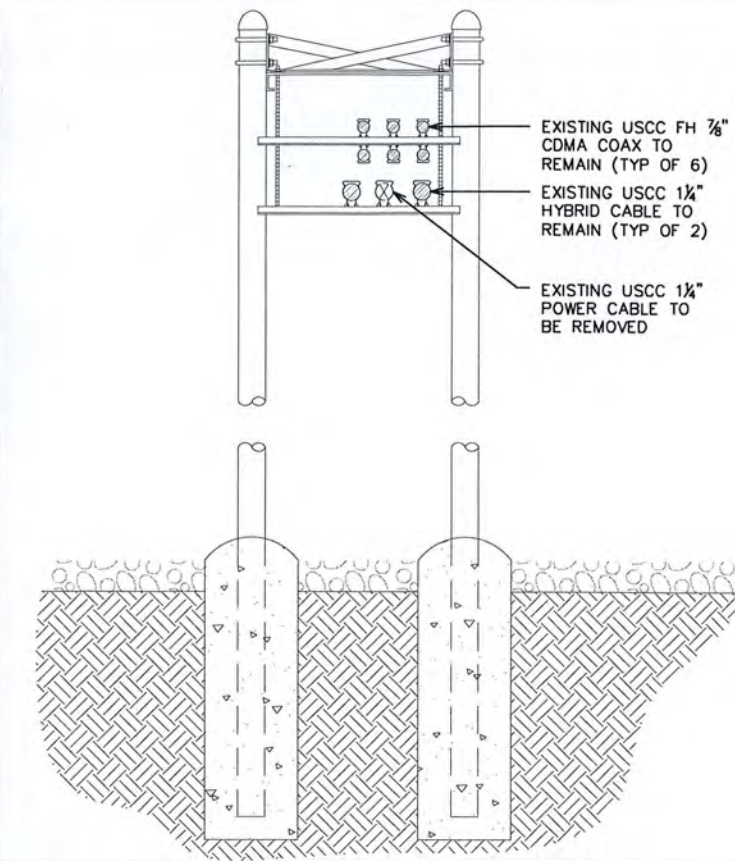


EXISTING HATCH PLATE LAYOUT

SCALE: N.T.S.



EXISTING HATCH PLATE

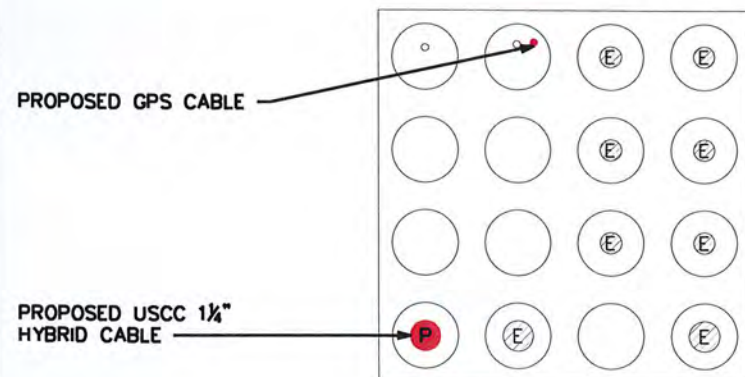


EXISTING ICE BRIDGE CONFIGURATION

SCALE: N.T.S.

NOTE:

CONTRACTOR TO VERIFY COAX LOCATION WITH STRUCTURAL ANALYSIS AND TOWER OWNER PRIOR TO INSTALLATION.



PROPOSED HATCH PLATE LAYOUT

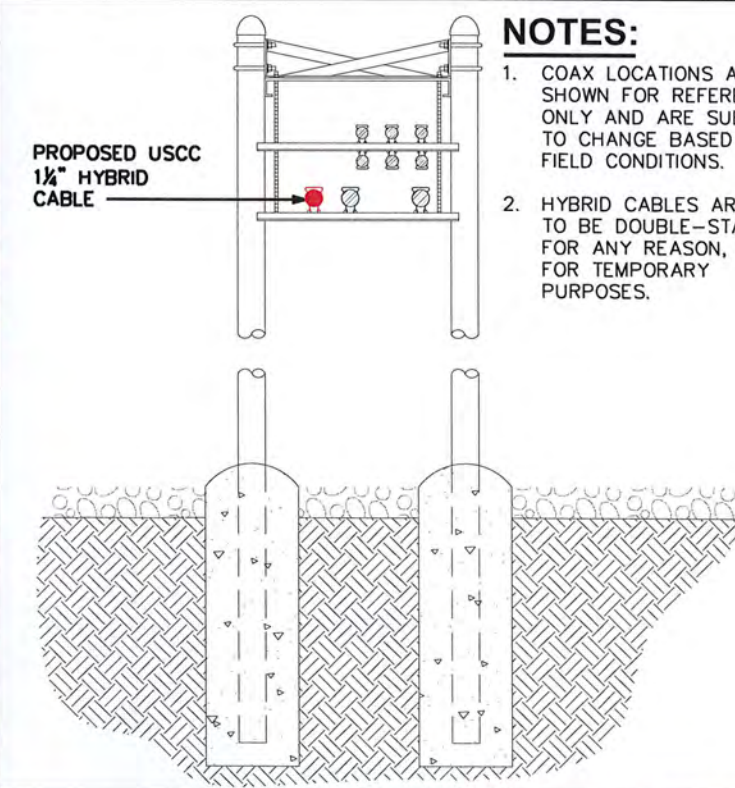
SCALE: N.T.S.



EXISTING ICE BRIDGE ELEVATION

NOTES:

1. COAX LOCATIONS ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.
2. HYBRID CABLES ARE NOT TO BE DOUBLE-STACKED FOR ANY REASON, EVEN FOR TEMPORARY PURPOSES.



PROPOSED ICE BRIDGE CONFIGURATION

SCALE: N.T.S.

PLANS PREPARED FOR:

8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

568451
TALMAGE CAPACITY

1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)

PLANS PREPARED BY:



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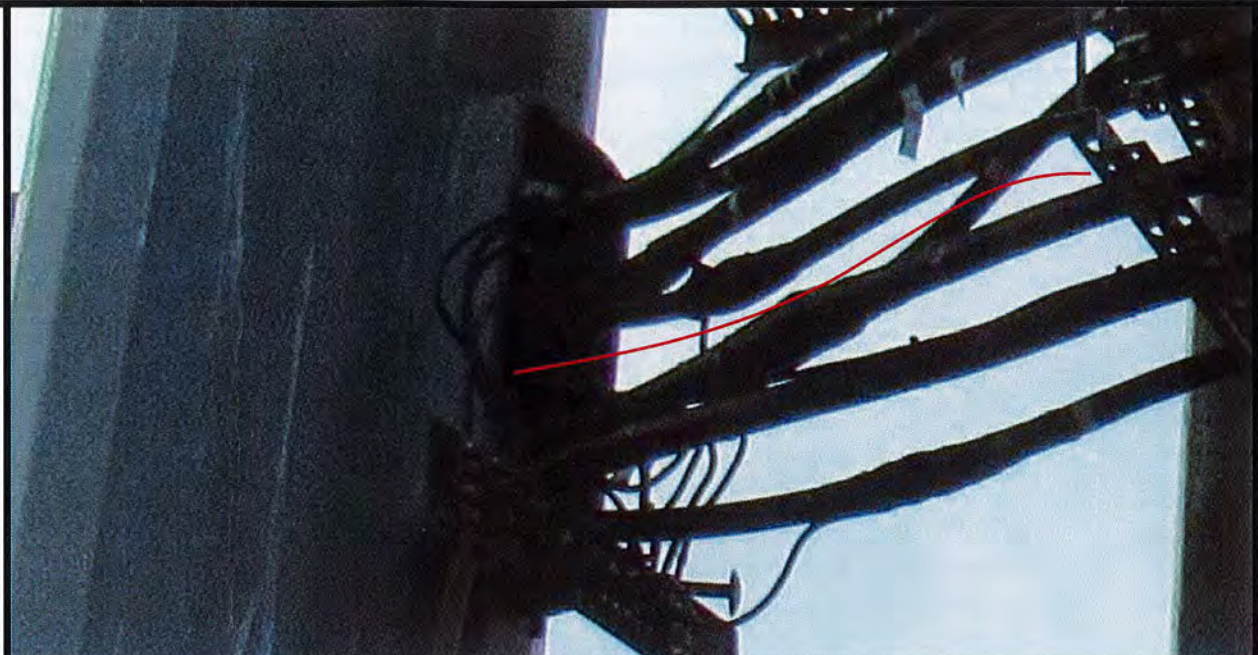
DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:

HATCH PLATE & ICE BRIDGE DETAILS

SHEET NUMBER:	REVISION:
C-5	3
TEP#: 25207.743329	

LEGEND	
EXISTING CABLE TO REMAIN	
EXISTING CABLE TO BE REMOVED	
PROPOSED HYBRID	
EXISTING EWG	
PROPOSED EWG	



PLANS PREPARED FOR:

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 (MENDOCINO COUNTY)

PLANS PREPARED BY:

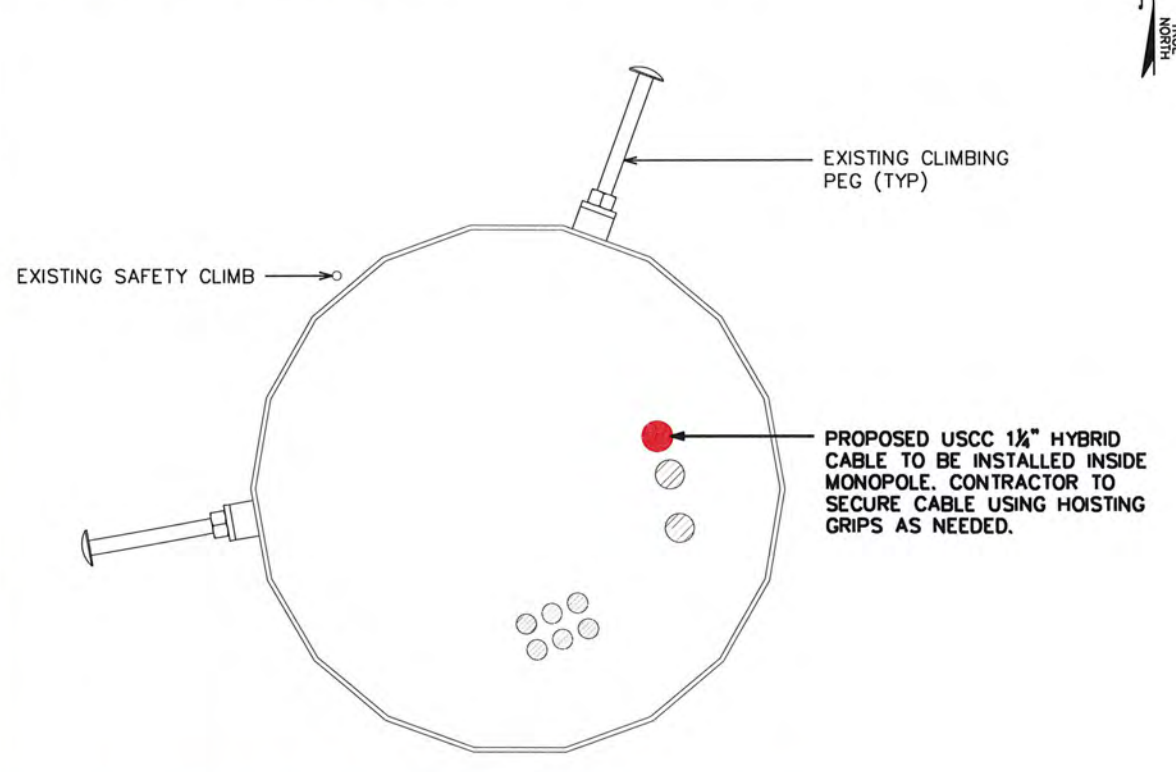
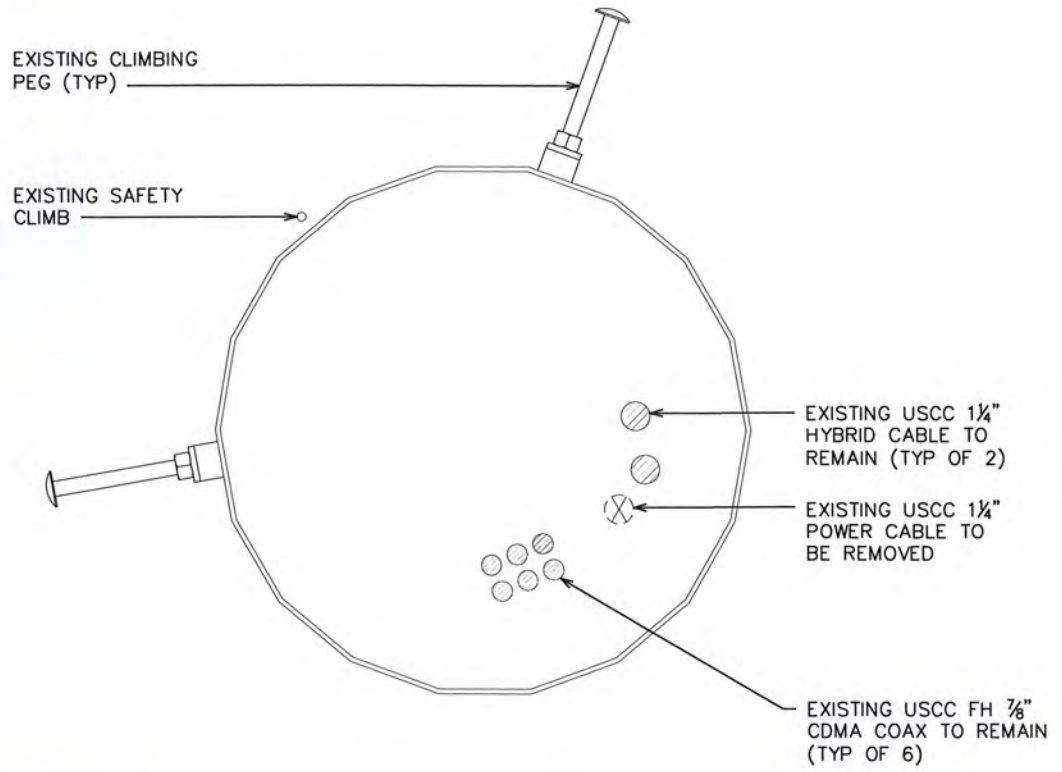
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LEGEND
 SCALE: N.T.S.

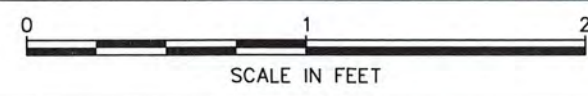
USCC ENTRY PORT

NOTES:

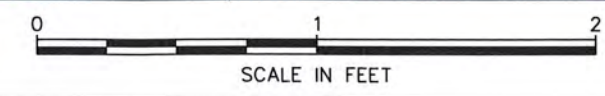
1. CONTRACTOR TO VERIFY COAX LOCATION WITH STRUCTURAL ANALYSIS AND TOWER OWNER PRIOR TO INSTALLATION.
2. HYBRID CABLES ARE NOT TO BE DOUBLE-STACKED FOR ANY REASON, EVEN FOR TEMPORARY PURPOSES.



EXISTING COAX LAYOUT
 SCALE: 1/2" = 1'



PROPOSED COAX LAYOUT
 SCALE: 1/2" = 1'



SEAL:

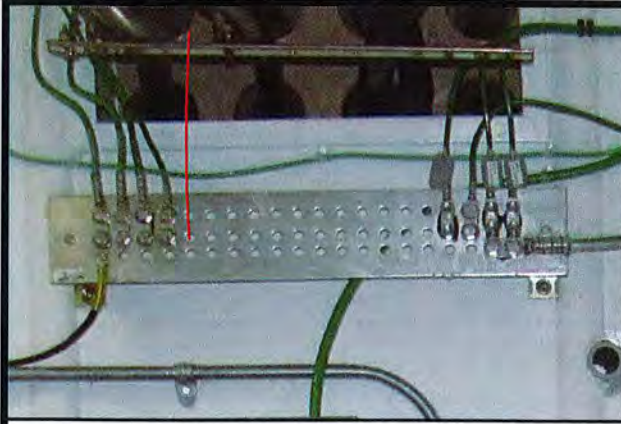
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DRAWN BY: R5R CHECKED BY: G5K

SHEET TITLE:
COAX LAYOUT

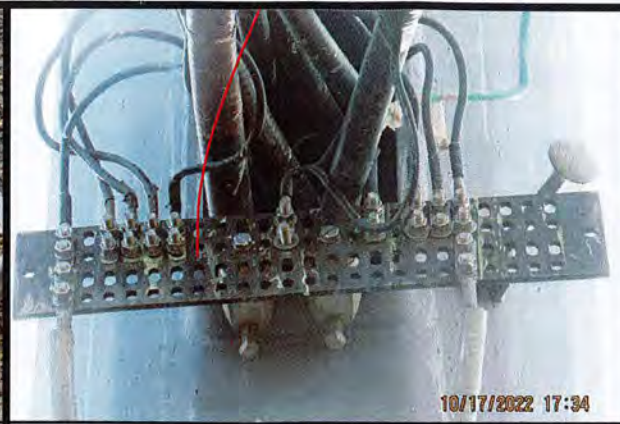
SHEET NUMBER: **C-6** REVISION: **3**
 TEP#: 25207.743329



EXISTING INSIDE SHELTER



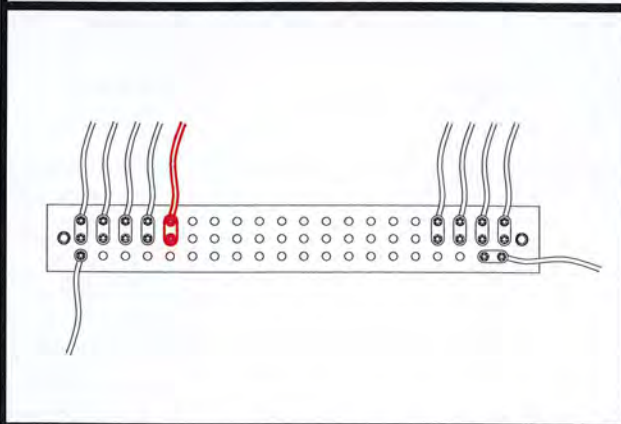
EXISTING OUTSIDE SHELTER



EXISTING BOTTOM TOWER

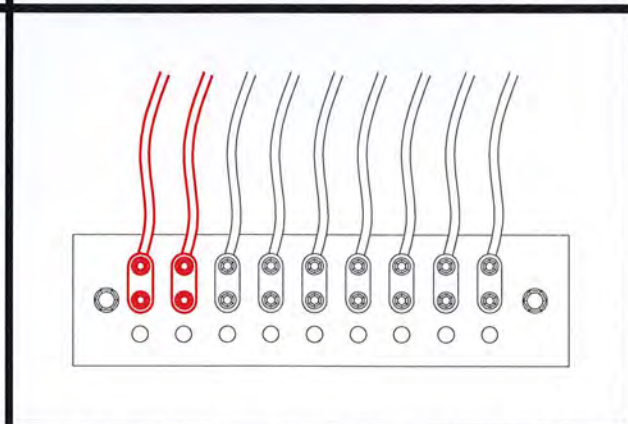


EXISTING TOP TOWER



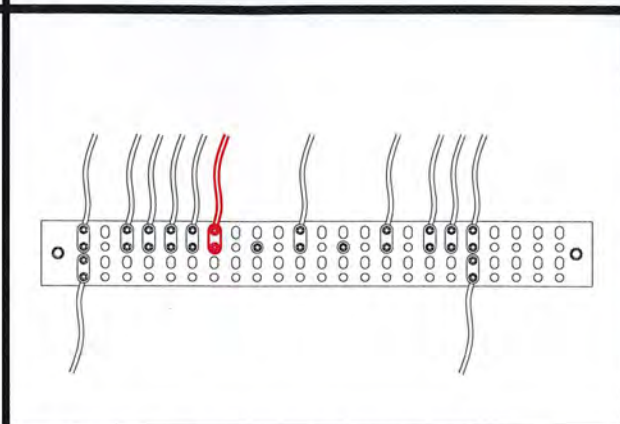
PROPOSED INSIDE SHELTER

SCALE: N.T.S.



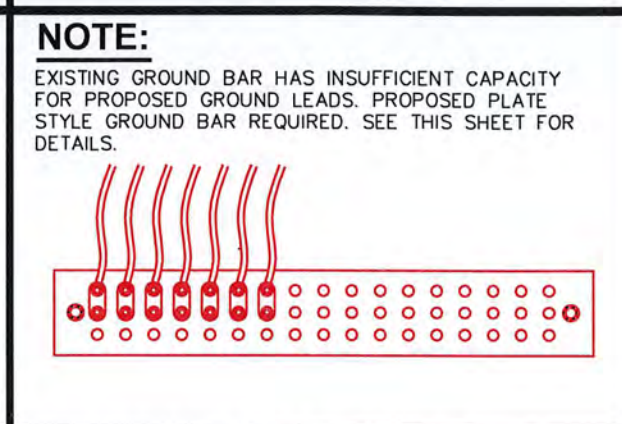
PROPOSED OUTSIDE SHELTER

SCALE: N.T.S.



PROPOSED BOTTOM TOWER

SCALE: N.T.S.



PROPOSED TOP TOWER

SCALE: N.T.S.

NOTE:

EXISTING GROUND BAR HAS INSUFFICIENT CAPACITY FOR PROPOSED GROUND LEADS. PROPOSED PLATE STYLE GROUND BAR REQUIRED. SEE THIS SHEET FOR DETAILS.

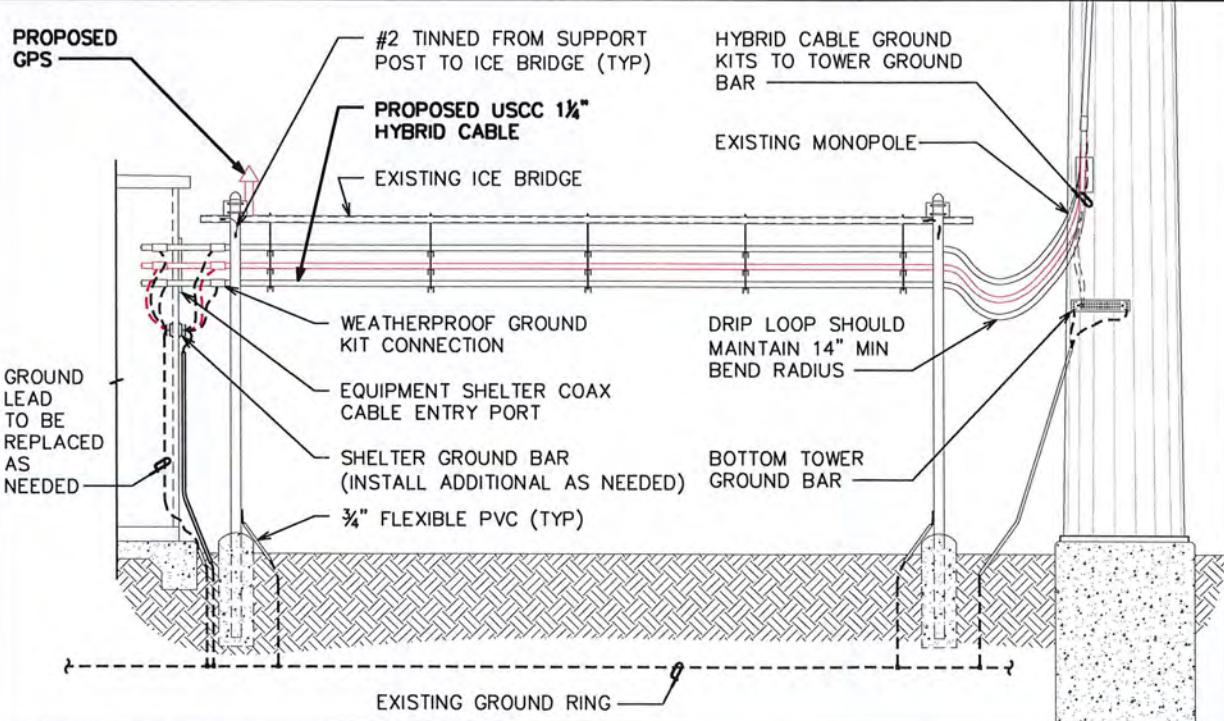
NOTES:

- MAX 20" GROUND BAR BY SITE PRO P/N: MG420U OR APPROVED EQUIVALENT
- ACCEPTS 3/8" LUGS
- 51-HOLES ALLOWS UP TO 17 RUNS
- 0.75", 0.815" OR 1" HOLE SPACING
- KIT INCLUDES INSULATORS AND STAINLESS STEEL BRACKETS
- CONTRACTOR TO REPLACE EXISTING LUGS AND GROUND LUG WASHERS AS NEEDED.



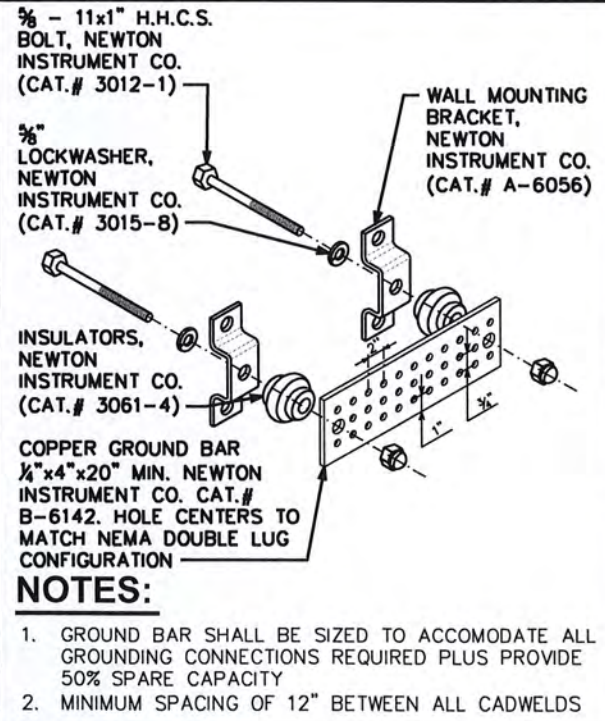
PROPOSED GND. BAR DETAIL

SCALE: N.T.S.



SIDE VIEW

SCALE: N.T.S.



STANDARD GND. BAR DETAIL

SCALE: N.T.S.

NOTES:

1. GROUND BAR SHALL BE SIZED TO ACCOMODATE ALL GROUNDING CONNECTIONS REQUIRED PLUS PROVIDE 50% SPARE CAPACITY
2. MINIMUM SPACING OF 12" BETWEEN ALL CADWELDS

PLANS PREPARED FOR:

8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

**568451
TALMAGE CAPACITY**

1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)

PLANS PREPARED BY:

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500 E. 84TH AVE, SUITE C10
THORNTON, CO 80229
OFFICE: (303) 566-9914
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SEAL:

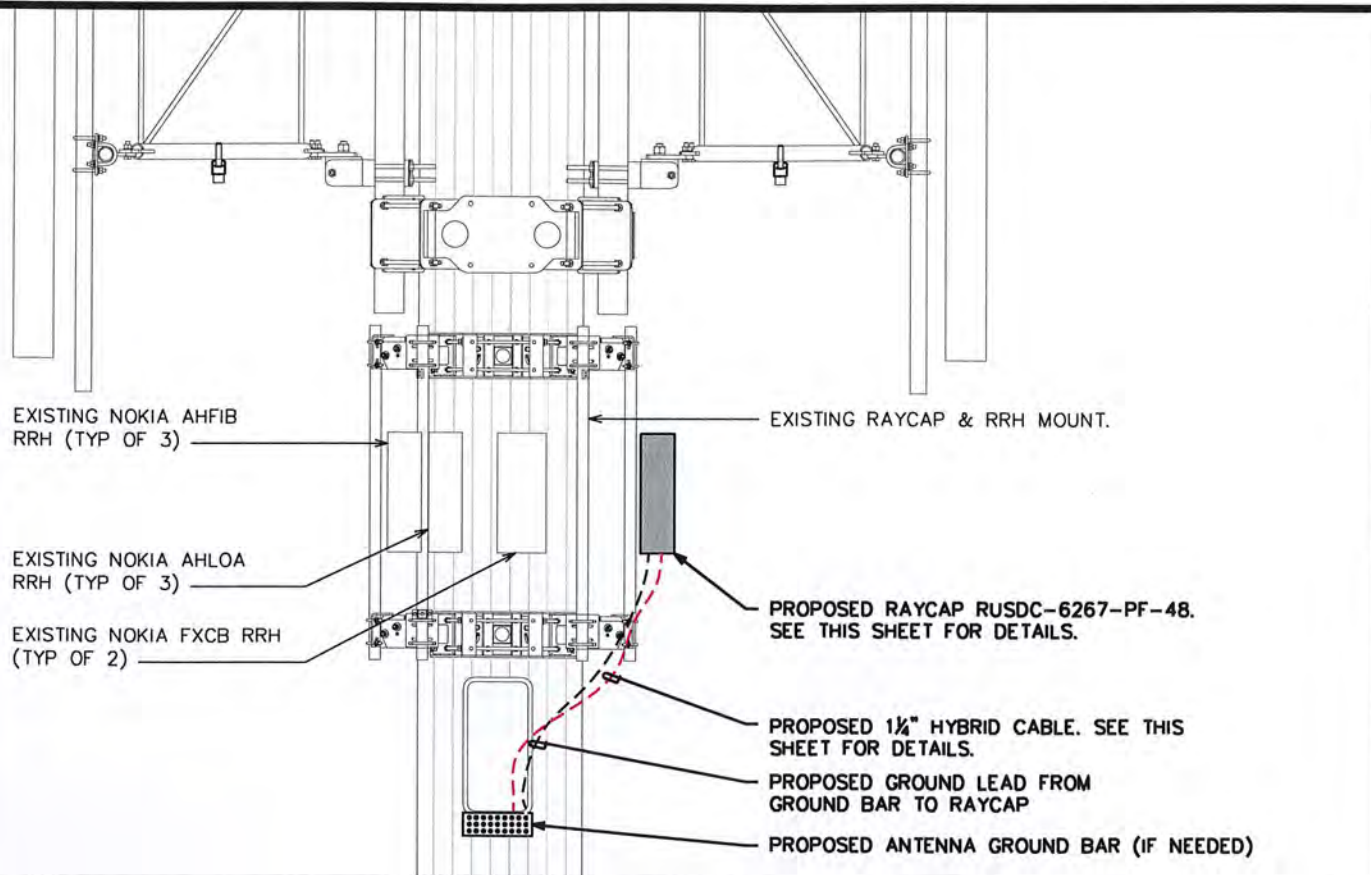
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DRAWN BY: RSR CHECKED BY: GSK

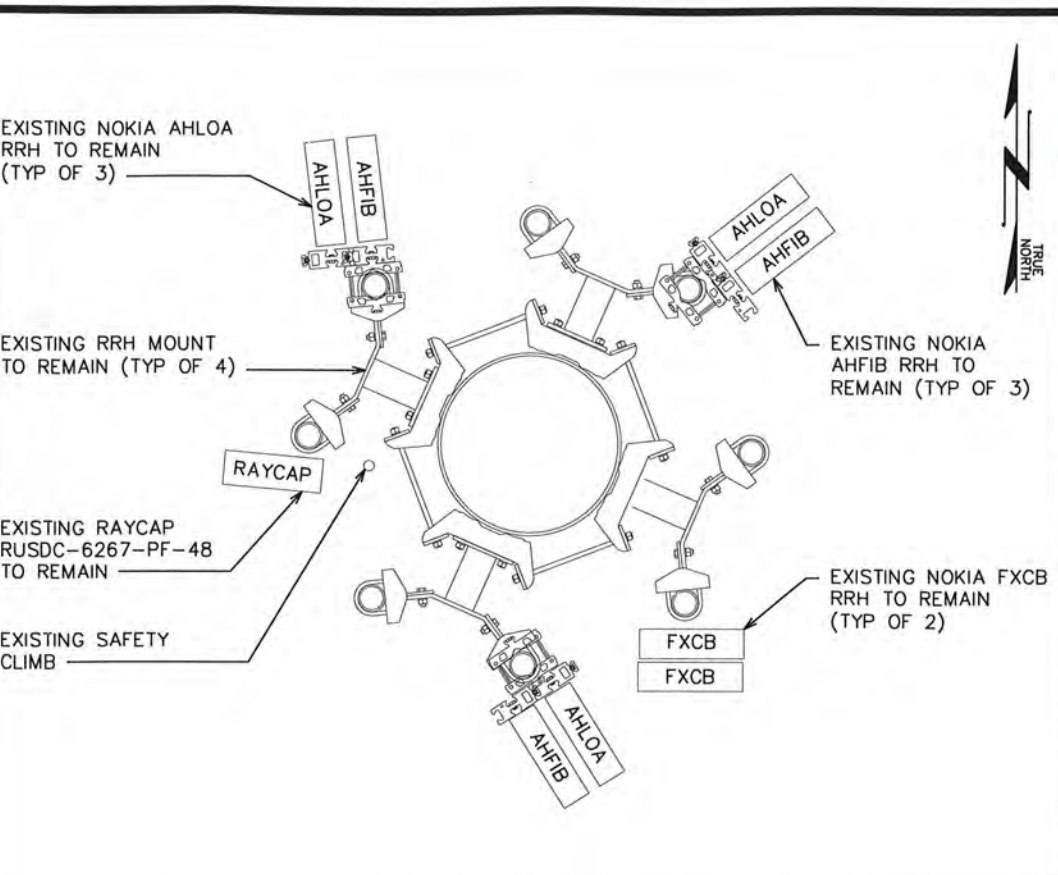
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GROUND BAR DETAILS

SHEET NUMBER: C-7	REVISION: 3
TEP#: 25207.743329	



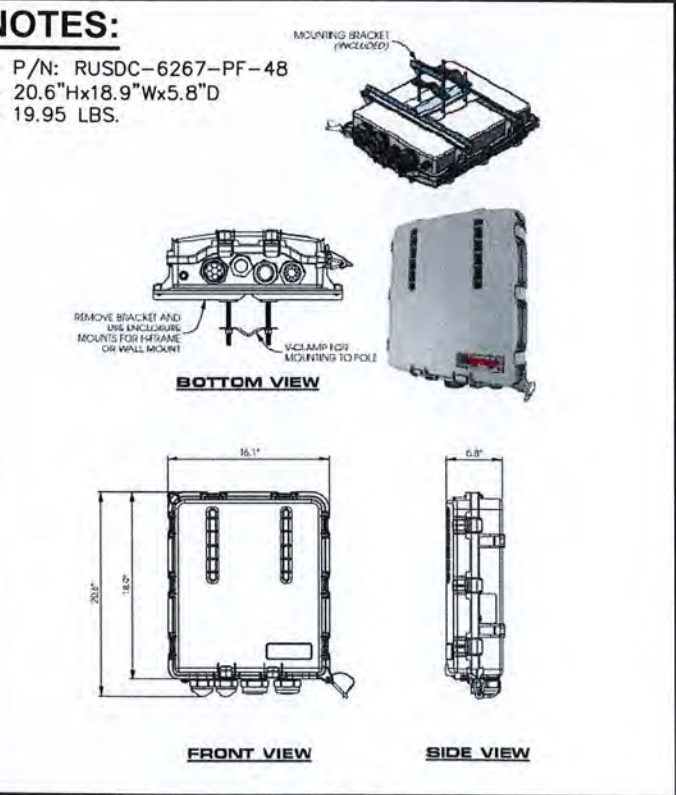
PROPOSED RAYCAP & RRH MOUNTING DETAIL (ELEVATION)

SCALE: N.T.S.



EXISTING RAYCAP & RRH MOUNTING DETAIL (PLAN)

SCALE: N.T.S.



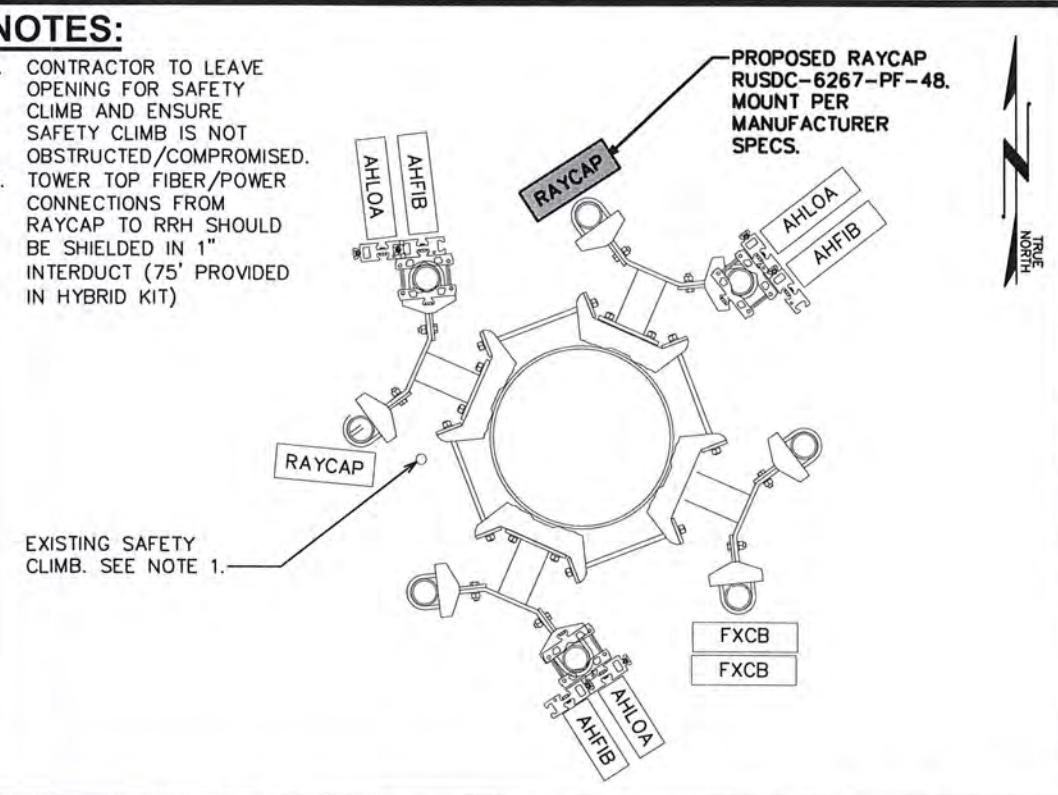
RAYCAP SPEC SHEET

SCALE: N.T.S.



EUPEN HYBRID CABLE

SCALE: N.T.S.



PROPOSED RAYCAP & RRH MOUNTING DETAIL (PLAN)

SCALE: N.T.S.

PLANS PREPARED FOR:

8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

568451
TALMAGE CAPACITY

1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)

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DRAWN BY: RSR		CHECKED BY: GSK

SHEET TITLE:

RAYCAP & RRH LAYOUT

SHEET NUMBER: **C-9**

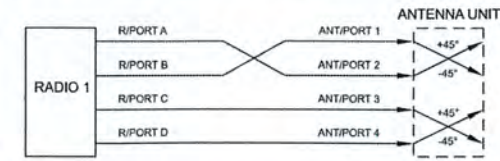
REVISION: **3**

TEP#: 25207.743329



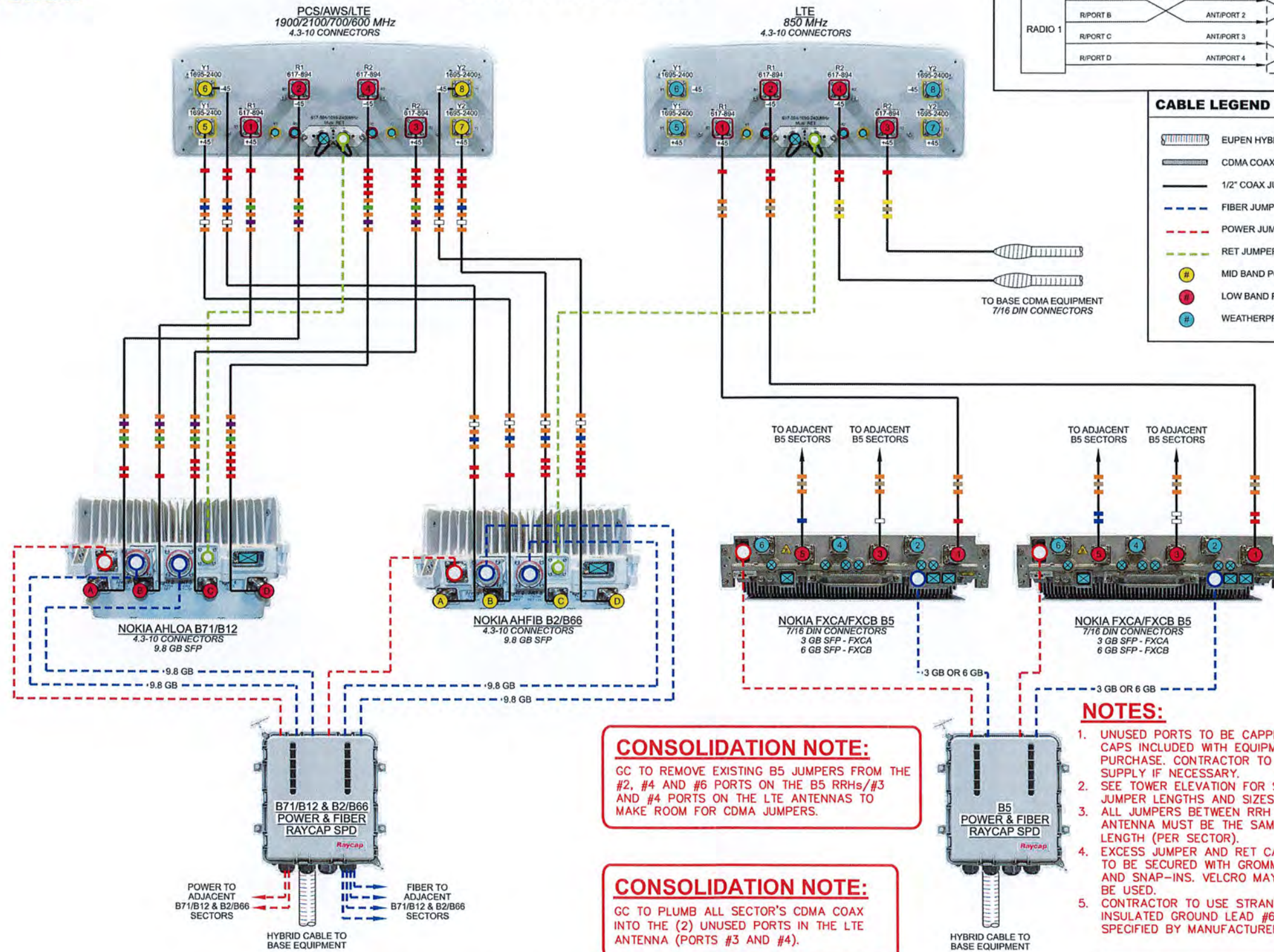
**NSN// B71/B12 / B2/B66 / B5
PER SECTOR CONFIGURATION**

ANT. TO AIRSCALE RADIO DE-CORRELATION



CABLE LEGEND

- EUPEN HYBRID CABLE
- CDMA COAX CABLE
- 1/2" COAX JUMPER
- FIBER JUMPER
- POWER JUMPER
- RET JUMPER
- MID BAND PORT
- LOW BAND PORT
- WEATHERPROOF CAP



CONSOLIDATION NOTE:
GC TO REMOVE EXISTING B5 JUMPERS FROM THE #2, #4 AND #6 PORTS ON THE B5 RRHS/#3 AND #4 PORTS ON THE LTE ANTENNAS TO MAKE ROOM FOR CDMA JUMPERS.

CONSOLIDATION NOTE:
GC TO PLUMB ALL SECTOR'S CDMA COAX INTO THE (2) UNUSED PORTS IN THE LTE ANTENNA (PORTS #3 AND #4).

- NOTES:**
- UNUSED PORTS TO BE CAPPED. CAPS INCLUDED WITH EQUIPMENT PURCHASE. CONTRACTOR TO SUPPLY IF NECESSARY.
 - SEE TOWER ELEVATION FOR SPECIFIC JUMPER LENGTHS AND SIZES.
 - ALL JUMPERS BETWEEN RRH AND ANTENNA MUST BE THE SAME LENGTH (PER SECTOR).
 - EXCESS JUMPER AND RET CABLES TO BE SECURED WITH GROMMETS AND SNAP-INS. VELCRO MAY NOT BE USED.
 - CONTRACTOR TO USE STRANDED INSULATED GROUND LEAD #6, SPECIFIED BY MANUFACTURER.

- NOTES:**
- ALL JUMPERS BETWEEN RADIO UNITS & ANTENNAS MUST BE THE SAME LENGTH.
 - CONTRACTOR TO INSTALL WEATHERPROOF CAP ON ALL UN-USED PORTS.

PLANS PREPARED FOR:
uscellular
8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:
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TALMAGE CAPACITY**
1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
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DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:
PLUMBING DIAGRAM I

SHEET NUMBER: **C-10** REVISION: **3**
TEP#: 25207.74329

DATE CREATED: 06/04/2021

PLUMBING DIAGRAM: DX210F-CDMA
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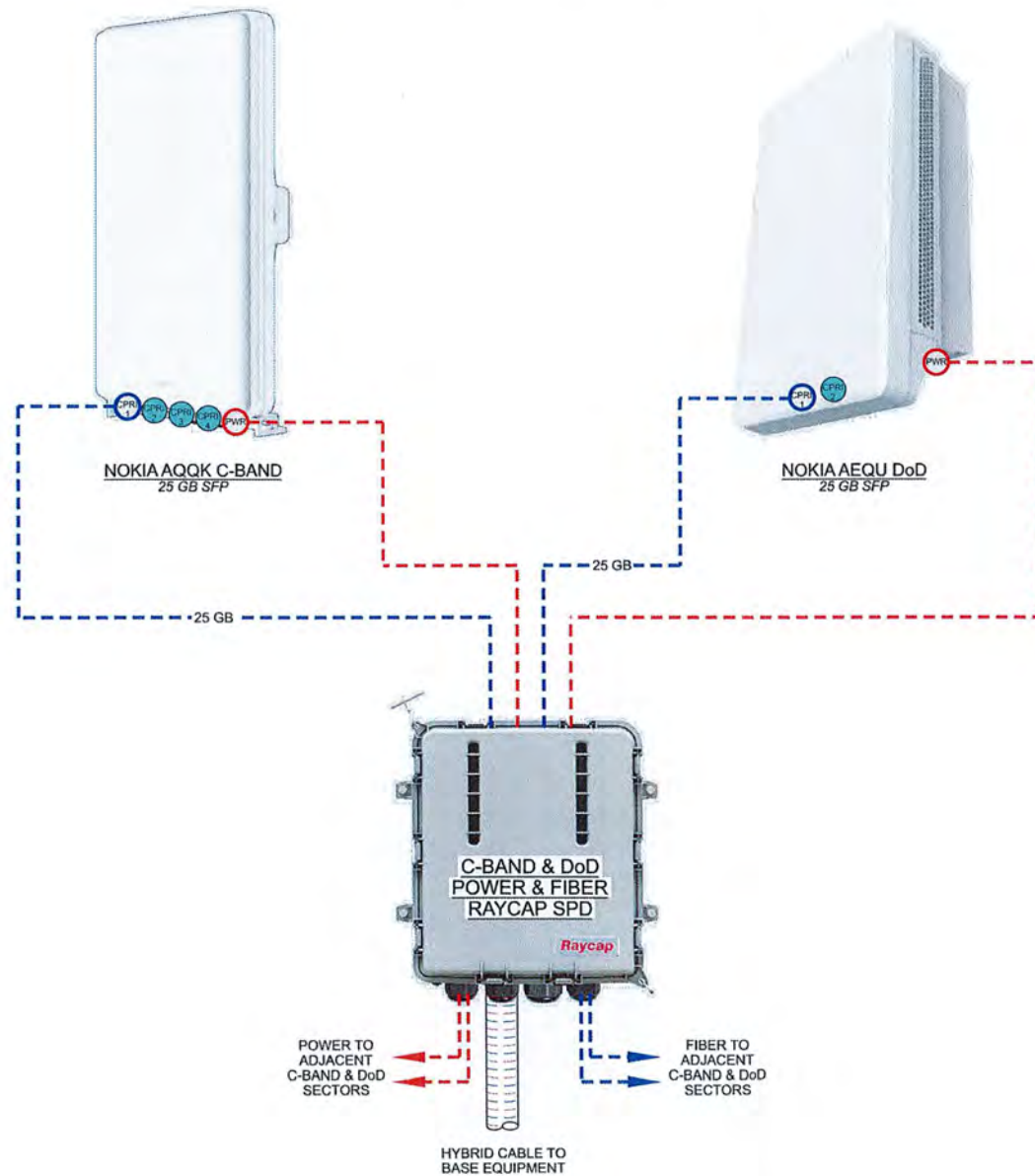
PLUMBING DIAGRAM
SCALE: N.T.S.



NOTES:

1. UNUSED PORTS TO BE CAPPED. CAPS INCLUDED WITH EQUIPMENT PURCHASE. CONTRACTOR TO SUPPLY IF NECESSARY.
2. SEE TOWER ELEVATION FOR SPECIFIC JUMPER LENGTHS AND SIZES.
3. ALL JUMPERS BETWEEN RRH AND ANTENNA MUST BE THE SAME LENGTH (PER SECTOR).
4. EXCESS JUMPER AND RET CABLES TO BE SECURED WITH GROMMETS AND SNAP-INS. VELCRO MAY NOT BE USED.
5. CONTRACTOR TO USE STRANDED INSULATED GROUND LEAD #6, SPECIFIED BY MANUFACTURER.

**NSN// C-BAND & DoD WITH DEDICATED RAYCAP SPD
PER SECTOR CONFIGURATION**



CABLE LEGEND

- EUPEN HYBRID CABLE
- FIBER JUMPER
- POWER JUMPER
- WEATHERPROOF CAP

PLUMBING DIAGRAM: NOKIA C-BAND & DoD

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DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:

PLUMBING DIAGRAM II

SHEET NUMBER: REVISION:

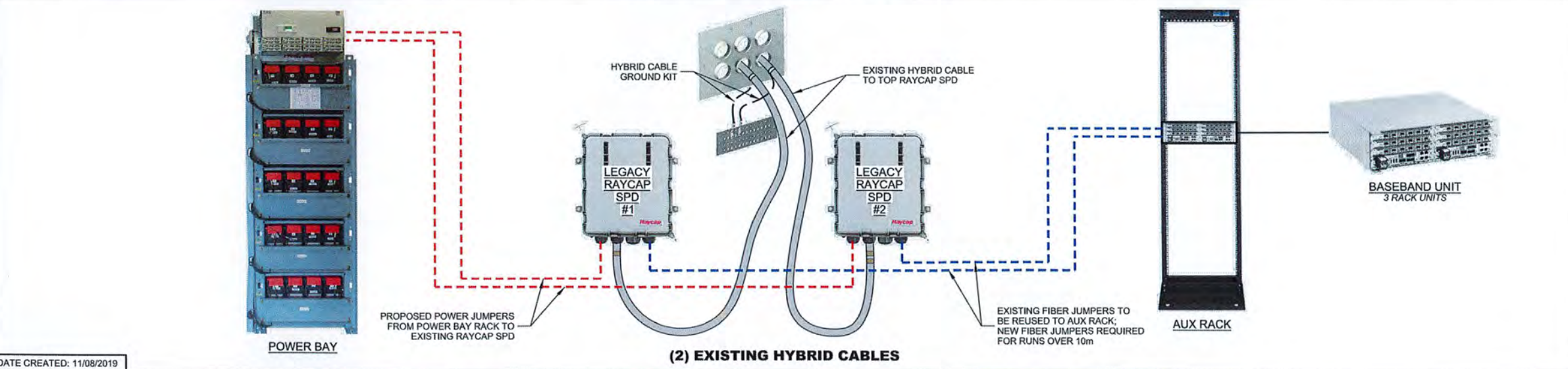
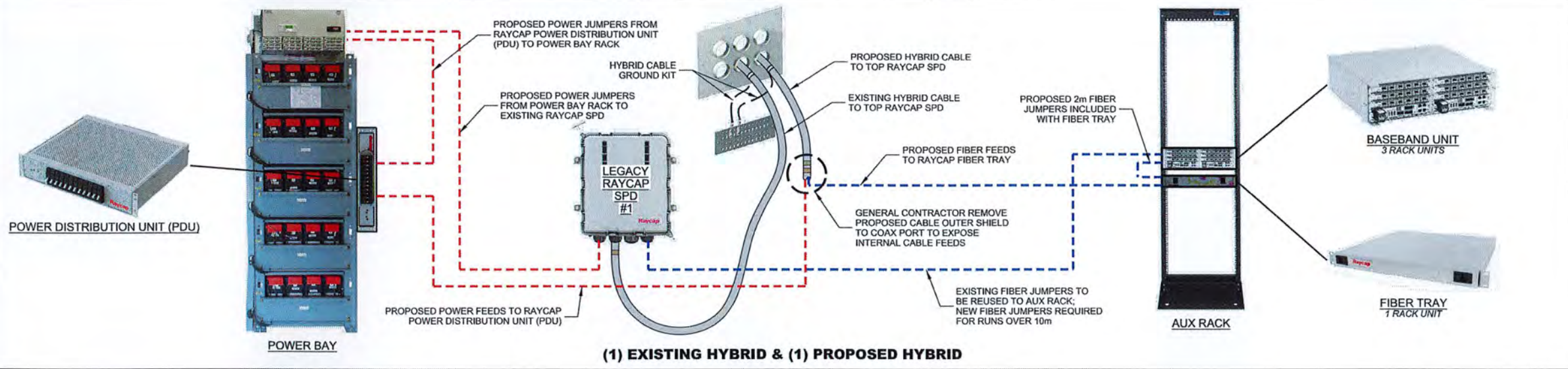
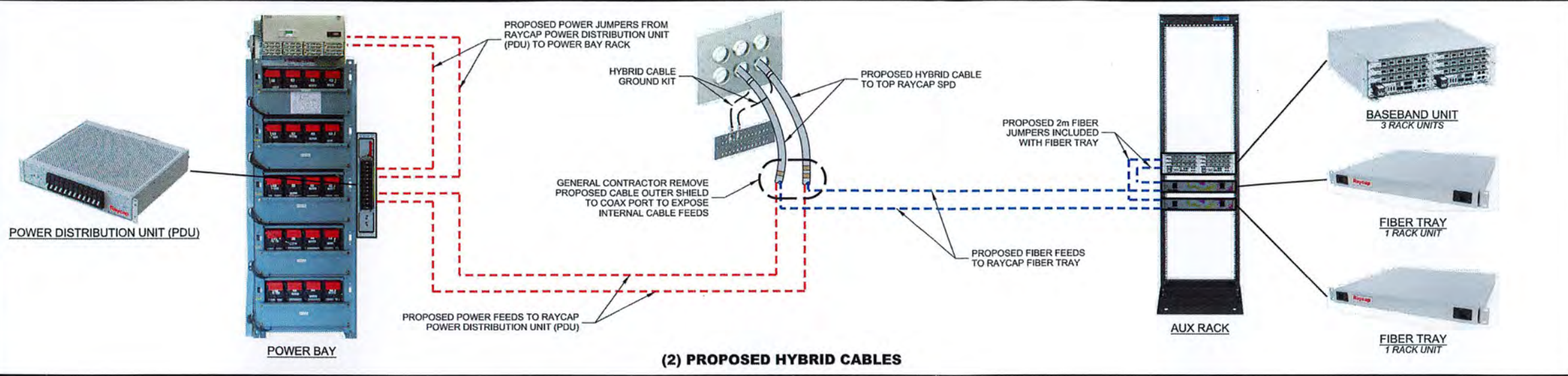
C-11

3

TEP#: 25207.743329

PLUMBING DIAGRAM

SCALE: N.T.S.



DATE CREATED: 11/08/2019

SHELTER BLOCK DIAGRAM
SCALE: N.T.S.

PLANS PREPARED FOR:
uscellular
8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

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TALMAGE CAPACITY
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2	02-23-23	PRELIMINARY
1	02-02-23	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: RSR CHECKED BY: GSK

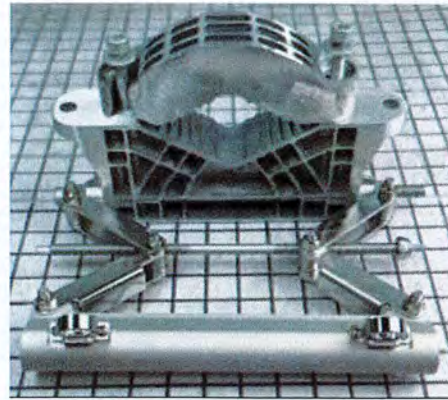
SHEET TITLE:
SHELTER BLOCK DIAGRAM

SHEET NUMBER: **C-12** REVISION: **3**
TEP#: 25207.743329

NOTE:

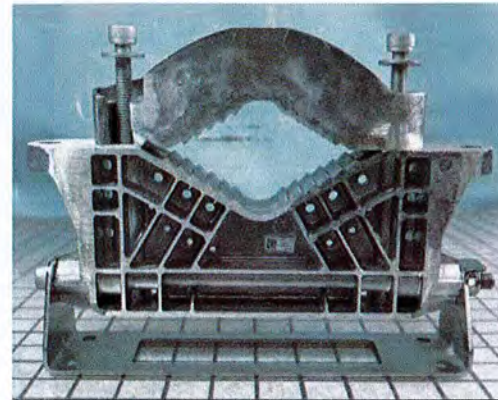
KIT INCLUDES:

- (8) M8-1.25x20mm HEX BOLTS
- (4) M10-1.50x150mm SOCKET HEAD SCREWS w/ATTACHED FLAT WASHERS
- (1) M10-1.50x300mm PARTIALLY THREADED SOCKET HEAD SCREW



Front View

UPPER MOUNTING BRACKET



Front View

LOWER MOUNTING BRACKET

SXK 109 2065/1 MOUNTING KIT

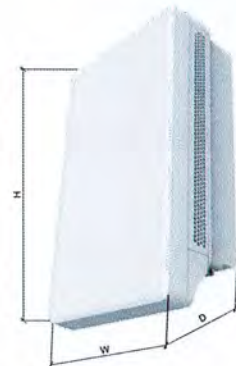
SCALE: N.T.S.

AIRSCALE MAA DIMENSIONS

MODEL	HEIGHT (H) x WIDTH (W) x DEPTH (D)
AEQU (1H2022) 64T64R	750 x 450 x 240 mm

AIRSCALE MAA & MOUNTING KIT WEIGHT

MODEL	TYPE	WEIGHT
AEQU (1H2022) 64T64R	ANTENNA/RADIO	45 kg
AMPF	MOUNTING KIT	6.5 kg



NOKIA AEUQ DoD RRH W/ INTEGRATED ANTENNA

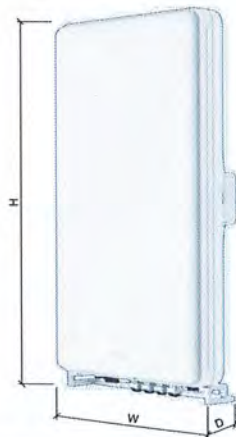
SCALE: N.T.S.

AIRSCALE MAA DIMENSIONS

MODEL	HEIGHT (H) x WIDTH (W) x DEPTH (D)
AQQK (1H2022) 64T64R	1001 x 448 x 113 mm

AIRSCALE MAA & MOUNTING KIT WEIGHT

MODEL	TYPE	WEIGHT
AQQK (1H2022) 64T64R	ANTENNA/RADIO	36 kg
AMPF	MOUNTING KIT	6.5 kg



NOKIA AQQK CBAND RRH W/ INTEGRATED ANTENNA

SCALE: N.T.S.

NOTE:

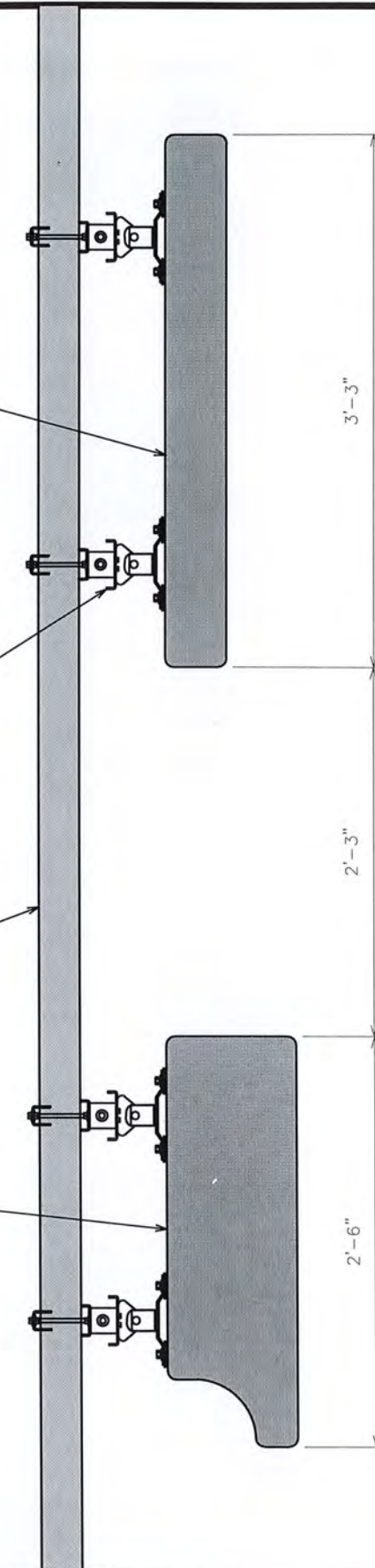
GC TO ALIGN T/CBAND WITH T/LTE ANTENNAS AND B/DoD WITH B/LTE ANTENNAS TO MAXIMIZE THE DISTANCE BETWEEN CBAND AND DoD.

PROPOSED NOKIA AQQK RRH W/ INTEGRATED ANTENNA

MANUFACTURER SUPPLIED ANTENNA MOUNTING BRACKETS (NOKIA AMFP)

PROPOSED MOUNT PIPE

PROPOSED NOKIA AEUQ RRH W/ INTEGRATED ANTENNA



PLANS PREPARED FOR:



8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

**568451
TALMAGE CAPACITY**

1800 RUDDICK-CUNNINGHAM RD
UKIAH, CA 95482
(MENDOCINO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

500 E. 84TH AVE, SUITE C10
THORNTON, CO 80229
OFFICE: (303) 566-9914
www.tepgroup.net

SEAL:



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SHEET TITLE:

**C-BAND AND DOD
SPECIFICATIONS**

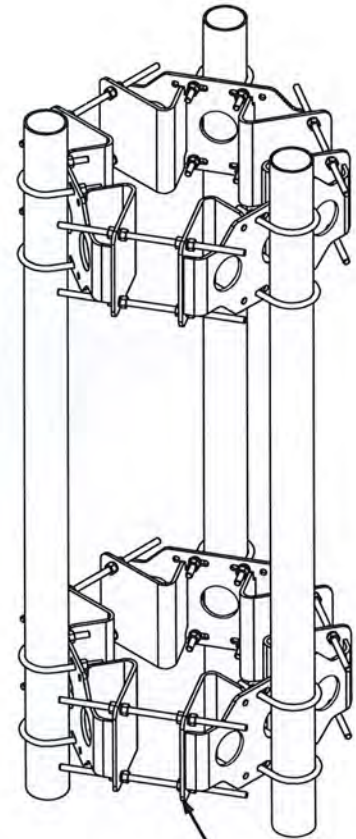
SHEET NUMBER:	REVISION:
C-13	3
	TEP#: 25207.743329

ANTENNA MOUNTING DETAILS

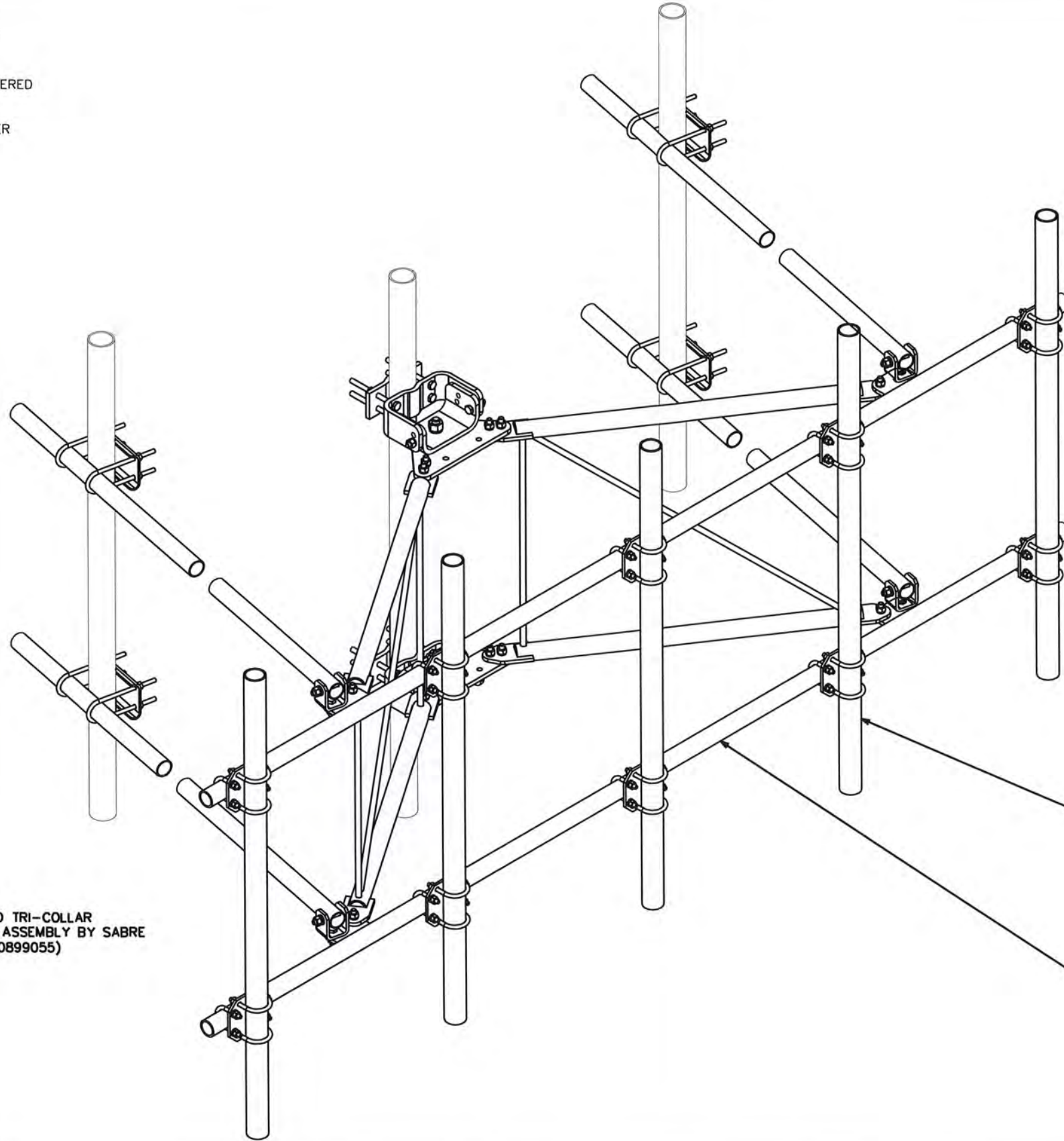
SCALE: N.T.S.

NOTES:

1. MOUNT INCLUDES ATTACHMENT HARDWARE.
2. MOUNT PIPES SOLD SEPARATELY.
3. MOUNT PIPES AND ANTENNAS TO BE CENTERED VERTICALLY ON MOUNT FACE.
4. (2) STABILIZER ARMS TO BE INSTALLED PER SECTOR FRAME.



PROPOSED TRI-COLLAR BRACKET ASSEMBLY BY SABRE (P/N: C10899055)



PROPOSED 2.5SCH40x10'-0" MOUNT PIPE BY SABRE (TYP OF 5 PER SECTOR)

PROPOSED V-BOOM SECTOR MOUNT BY SABRE (P/N: C1085777C).

PROPOSED ANTENNA MOUNT

SCALE: N.T.S.

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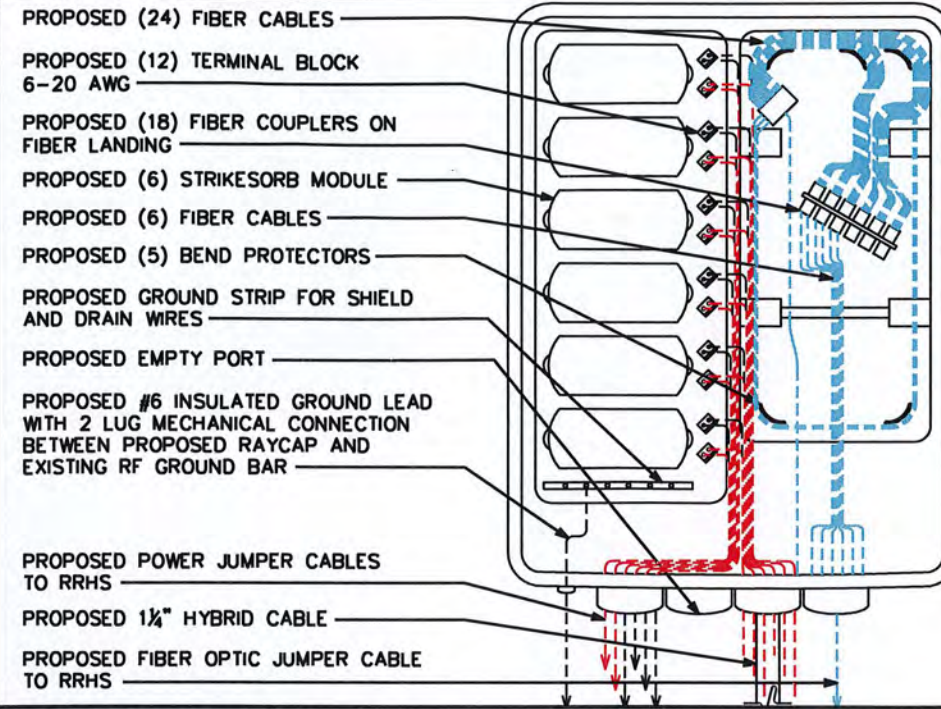
**ANTENNA MOUNT
SPEC SHEET**

SHEET NUMBER:	REVISION:
C-14	3
	TEP#: 25207.743329

NOTE:

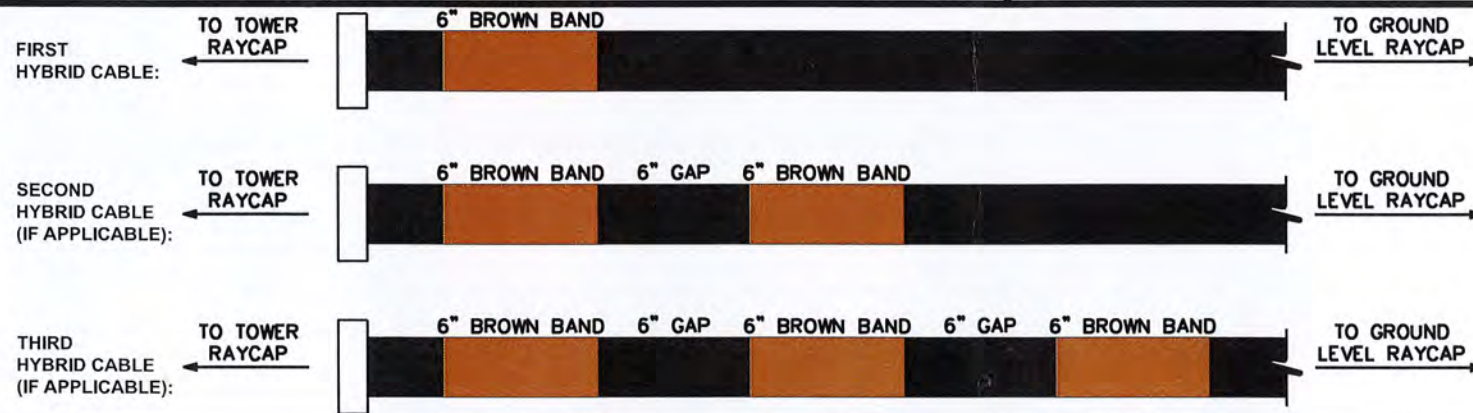
REFER TO USCC DOCUMENT "TOWER MOUNTED EQUIPMENT AND TOWER CABLE STANDARDS AT CELL SITES" FOR COMPLETE COLOR CODING STANDARDS.

CONNECTOR 13 13A: BLUE TX 13B: BLUE RX with TRACERS	CONNECTOR 14 14A: ORANGE TX 14B: ORANGE RX with TRACERS	CONNECTOR 15 15A: GREEN TX 15B: GREEN RX with TRACERS	CONNECTOR 16 16A: BROWN TX 16B: BROWN RX with TRACERS	CONNECTOR 17 17A: SLATE TX 17B: SLATE RX with TRACERS	CONNECTOR 18 18A: WHITE TX 18B: WHITE RX with TRACERS
CONNECTOR 7 7A: RED TX 7B: RED RX	CONNECTOR 8 8A: BLACK TX 8B: BLACK RX	CONNECTOR 9 9A: YELLOW TX 9B: YELLOW RX	CONNECTOR 10 10A: VIOLET TX 10B: VIOLET RX	CONNECTOR 11 11A: ROSE TX 11B: ROSE RX	CONNECTOR 12 12A: AQUA TX 12B: AQUA RX
CONNECTOR 1 1A: BLUE TX 1B: BLUE RX	CONNECTOR 2 2A: ORANGE TX 2B: ORANGE RX	CONNECTOR 3 3A: GREEN TX 3B: GREEN RX	CONNECTOR 4 4A: BROWN TX 4B: BROWN RX	CONNECTOR 5 5A: SLATE TX 5B: SLATE RX	CONNECTOR 6 6A: WHITE TX 6B: WHITE RX



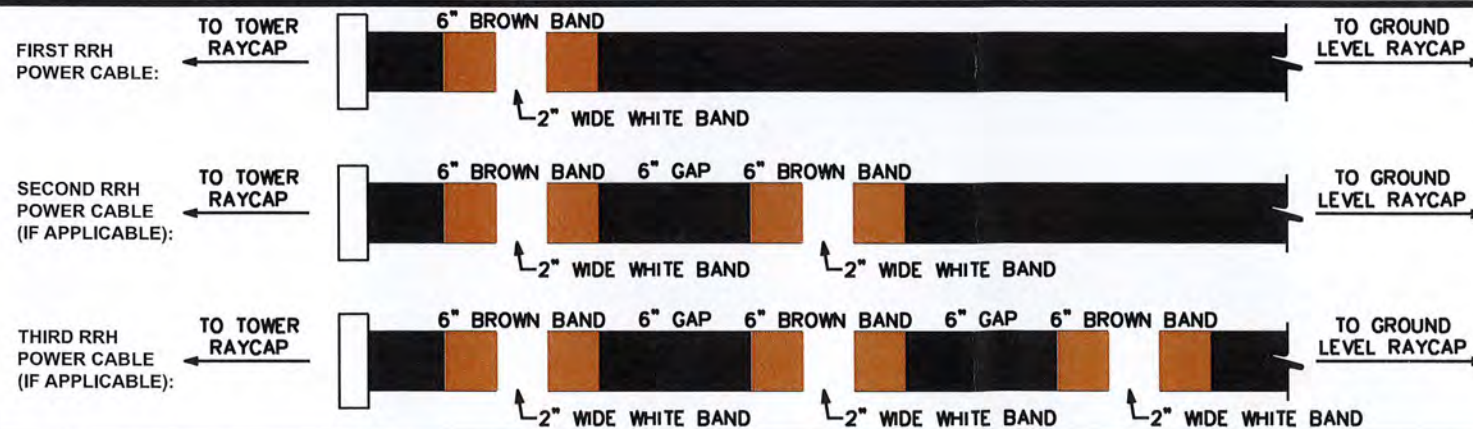
FIBER CABLE LABELING

SCALE: N.T.S.



HYBRID CABLE BANDING

SCALE: N.T.S.



POWER CABLE BANDING

SCALE: N.T.S.

RAYCAP CABLING

SCALE: N.T.S.

PLANS PREPARED FOR:



8410 W BRYN MAWR SUITE 700
CHICAGO, IL 60631
(773) 399-8900

PROJECT INFORMATION:

**568451
TALMAGE CAPACITY**

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UKIAH, CA 95482
(MENDOCINO COUNTY)

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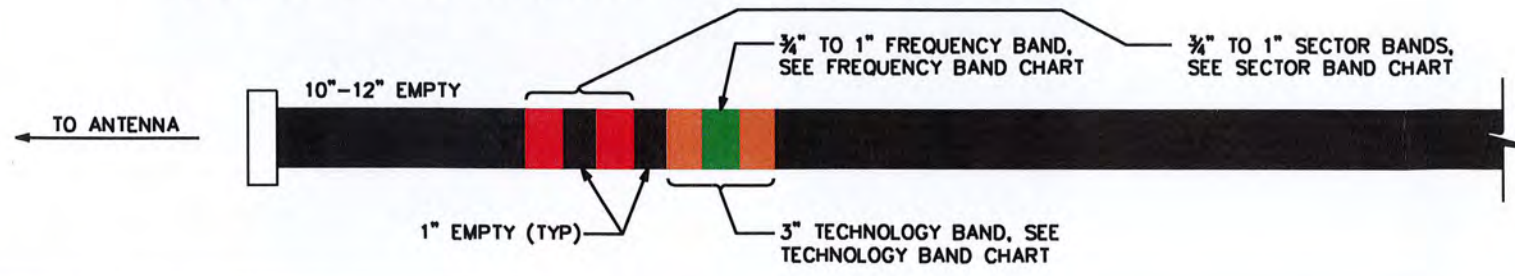
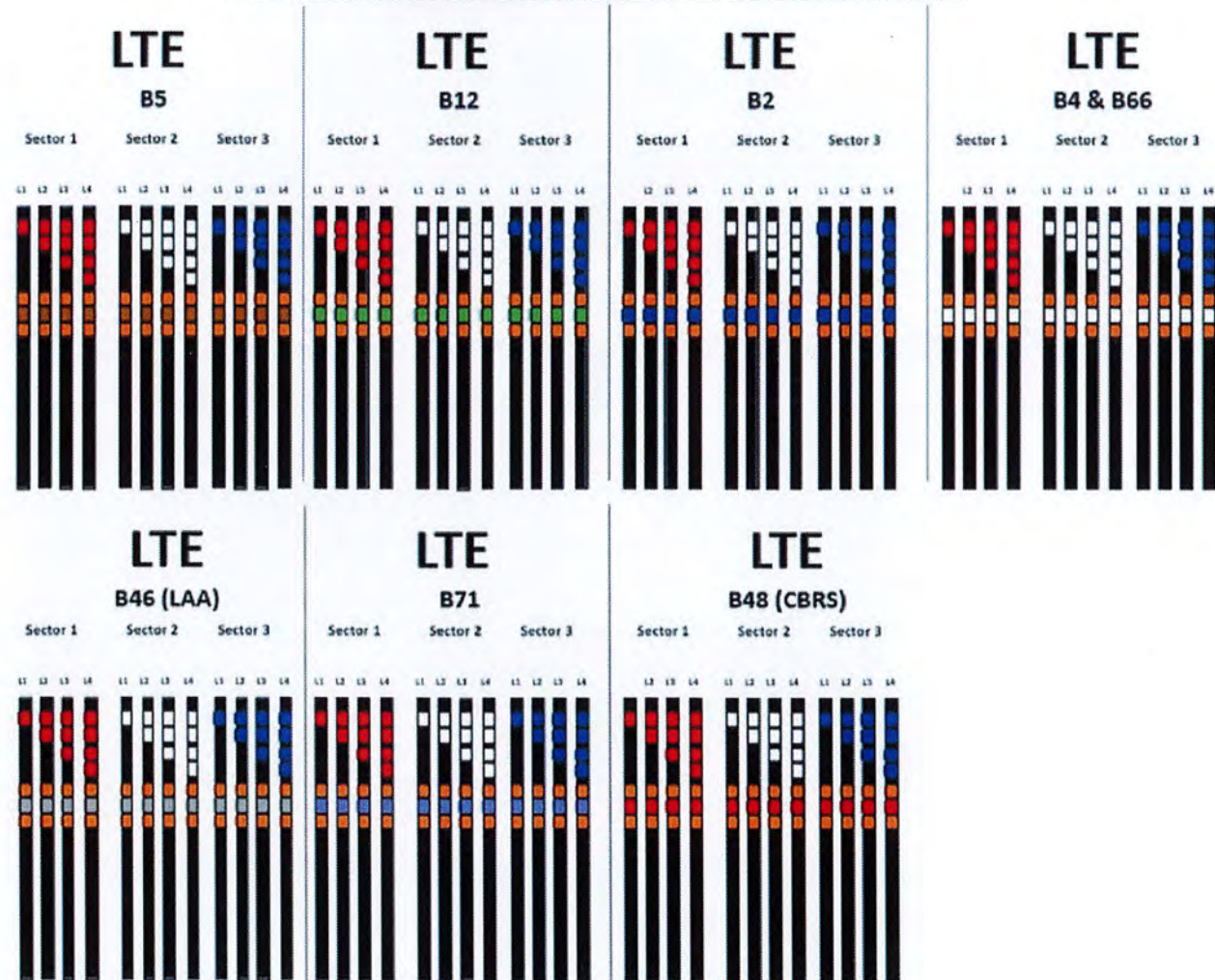
SHEET TITLE:
**FIBER AND COAX
LABELLING
STANDARDS I**

SHEET NUMBER: **C-15** REVISION: **3**
TEP#: 25207.743329

Sector Band Assignments (Most Common Case: Single Technology within the Sector)					
Sector Band	Assigned Color	Line 1	Line 2	Line 3	Line 4
Alpha (Sector 1)	red	1 red band	2 red bands	3 red bands	4 red bands
Beta (Sector 2)	white	1 white band	2 white bands	3 white bands	4 white bands
Gamma (Sector 3)	blue	1 blue band	2 blue bands	3 blue bands	4 blue bands
Delta (Sector 4, if applicable)	green	1 green band	2 green bands	3 green bands	4 green bands
Epsilon (Sector 5, if applicable)	violet	1 violet band	2 violet bands	3 violet bands	4 violet bands
Zeta (Sector 6, if applicable)	brown	1 brown band	2 brown bands	3 brown bands	4 brown bands

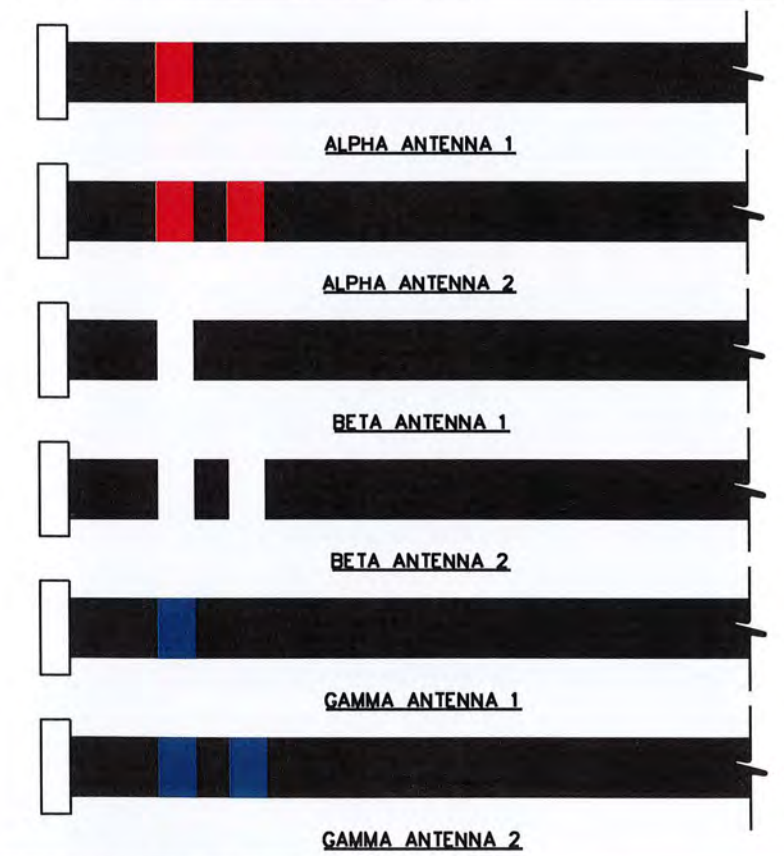
FREQUENCY BAND	
FREQUENCY	FREQUENCY BAND
700 (B12)	GREEN
800 (B5)	BROWN
1900 (B2)	BLUE
2100 (B4 & B66)	WHITE
5100 (B66)-LAA	GREY
600 (B71)	VIOLET
3500 (B48)-CBRS	RED

USC COAX Color Code Standard



COAX CABLE BANDING
SCALE: N.T.S.

RET SECTOR BAND		
SECTOR	LINE 1 - FIRST TECHNOLOGY	LINE 2 - FIRST TECHNOLOGY
ALPHA	(1) RED BAND	(2) RED BAND
BETA	(1) WHITE BAND	(2) WHITE BAND
GAMMA	(1) BLUE BAND	(2) BLUE BAND



RET CABLE BANDING
SCALE: N.T.S.

PLANS PREPARED FOR:

 8410 W BRYN MAWR SUITE 700
 CHICAGO, IL 60631
 (773) 399-8900

PROJECT INFORMATION:
568451
TALMAGE CAPACITY
 1800 RUDDICK-CUNNINGHAM RD
 UKIAH, CA 95482
 (MENDOCINO COUNTY)

PLANS PREPARED BY:

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 500 E. 84TH AVE, SUITE C10
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DRAWN BY: RSR CHECKED BY: GSK

SHEET TITLE:
FIBER AND COAX LABELLING STANDARDS II

SHEET NUMBER: **C-16** REVISION: **3**
 TEP#: 25207.743329

GENERAL NOTES:

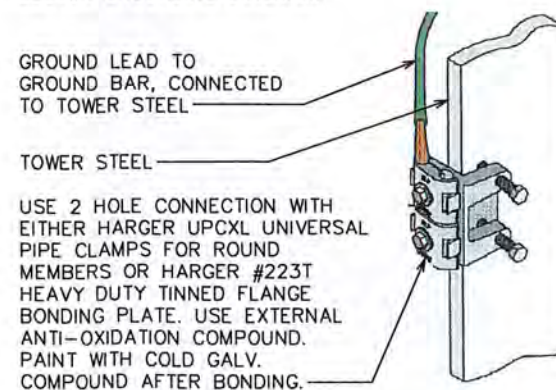
- ALL REFERENCES TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED U.S. CELLULAR OR IT'S DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF CALIFORNIA.
- STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H, AND THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, 2022 EDITION.
- WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, 2022 EDITION.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
- BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR. CONTRACTOR SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
- THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN IT PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFTER MATERIAL SHALL BE REWORKED OR REPLACED.

STRUCTURAL STEEL NOTES:

- THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS AND MANUAL OF STEEL CONSTRUCTION, 15TH EDITION.
- UNLESS OTHERWISE NOTED, ALL STRUCTURAL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - STRUCTURAL STEEL, ASTM DESIGNATION A36 OR GR50.
 - ALL BOLTS, ASTM A325 TYPE I GALVANIZED HIGH STRENGTH BOLTS.
 - ALL NUTS, ASTM A563 CARBON AND ALLOY STEEL NUTS.
 - ALL WASHERS, ASTM F436 HARDENED STEEL WASHERS.
- ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS AND MANUAL OF STEEL CONSTRUCTION, 15TH EDITION.
- HOLES SHALL NOT BE FLAME CUT THRU STEEL UNLESS APPROVED BY THE ENGINEER.
- HOT-DIP GALVANIZE ALL ITEMS UNLESS OTHERWISE NOTED, AFTER FABRICATION WHERE PRACTICABLE. GALVANIZING: ASTM A123, ASTM, A153/A153M OR ASTM A653/A653M, G90, AS APPLICABLE.
- REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A780 OR BY APPLICATION OF STICK OR THICK PASTED MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED, WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS IN STICK OR PASTED; SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
- A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED BOLTS.
- ALL PROPOSED AN/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH TO EXCLUDE THE THREADS FROM THE SHEAR PLANE.
- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- ALL ASSEMBLY AND ANCHOR BOLTS ARE TO BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN SECTION 8.1 OF THE AISC, "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", DATED JUNE 30, 2004.
- FLAT WASHERS ARE TO BE INSTALLED WITH BOLTS OVER SLOTTED HOLES.
- DO NOT OVER TORQUE ASSEMBLY BOLTS. GALVANIZING ON BOLTS, NUTS, AND STEEL PARTS ;MAY ACT AS A LUBRICANT, THUS OVER TIGHTENING MAY OCCUR AND MAY CAUSE BOLTS TO CRACK AND SNAP OFF.
- PAL NUTS ARE TO BE INSTALLED AFTER NUTS ARE TIGHT AND WITH EDGE LIP OUT. PAL NUTS ARE NOT REQUIRED WHEN SELF-LOCKING NUTS ARE PROVIDED.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS D1.1:2020, STRUCTURAL WELDING CODE--REINFORCING STEEL. ALL WELDERS SHALL DISPLAY PROPER CERTIFICATION OF QUALIFICATION.

GROUNDING NOTES:

- ALL CADWELD CONNECTIONS TO GALVANIZED MATERIAL SHALL BE PROPERLY PREPARED TO ASSURE A SATISFACTORY CADWELD.
- CADWELD CONNECTION SHALL BE COATED WITH COLD GALVANIZING SPRAY.
- ALL VERTICAL JUMPERS SHALL NOT BE WELDED WITHIN TWO FT OF THE GROUND ROD.
- SECTOR GROUNDING DIAGRAM:



PLANS PREPARED FOR:

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(773) 399-8900

PROJECT INFORMATION:

568451
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UKIAH, CA 95482
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SEAL:



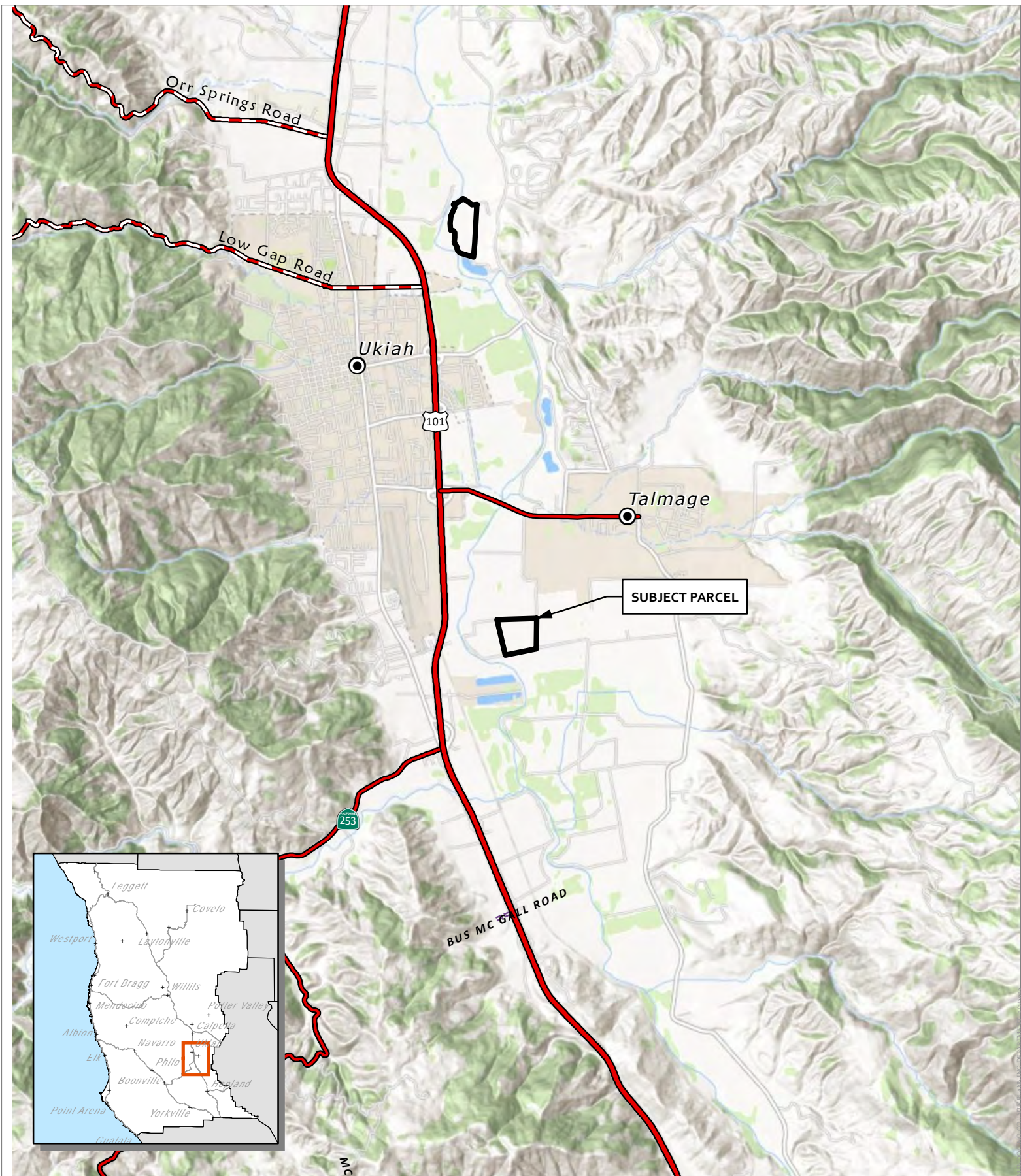
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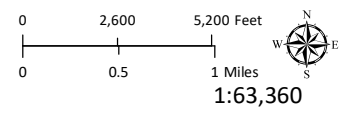
SHEET TITLE:
GENERAL NOTES

SHEET NUMBER: N-1	REVISION: 3 TEP#: 25207.743329
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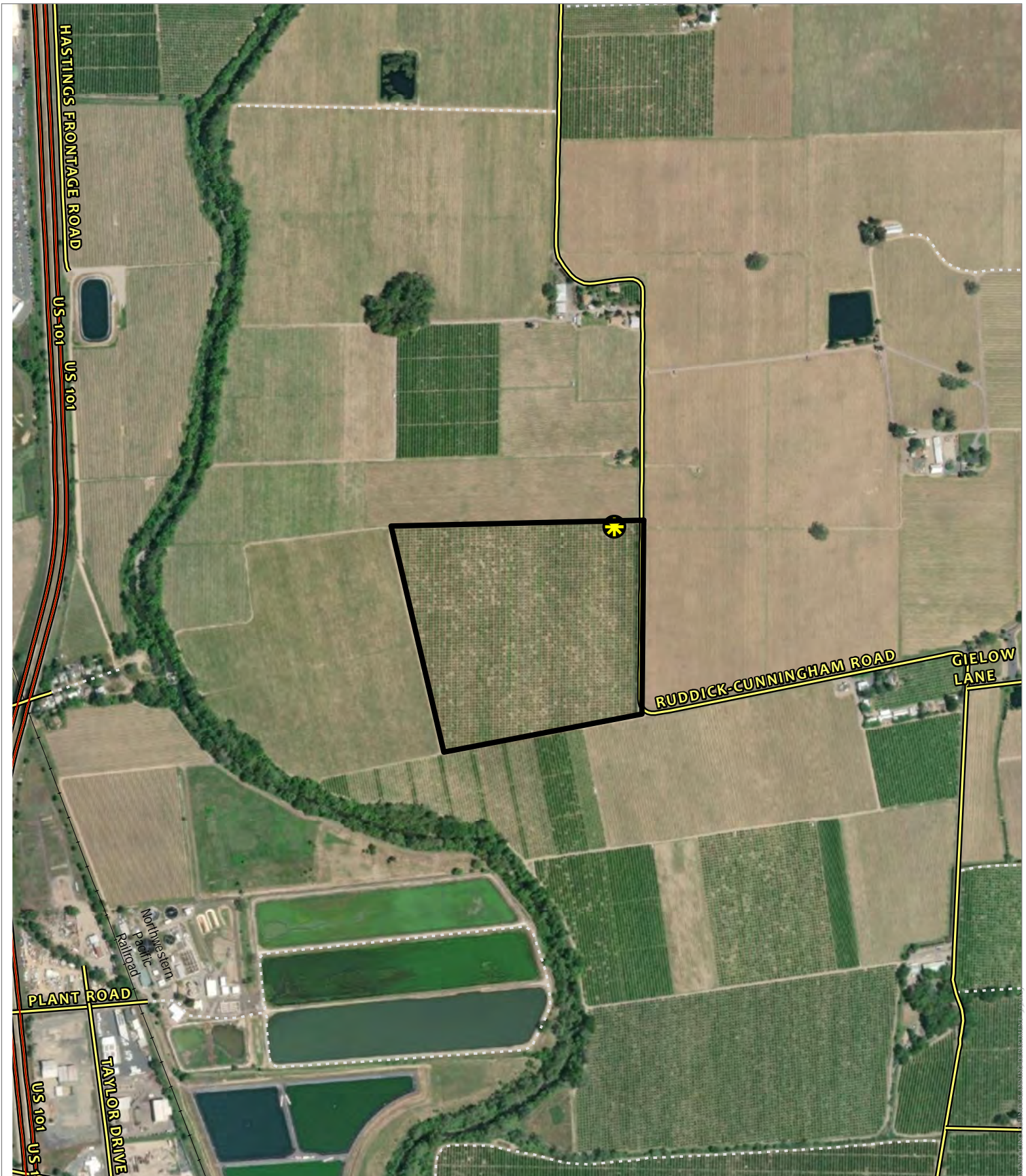
CASE: AP 2023-0006
OWNER: Beckstoffer Vineyards XV LLC
APN: 178-190-12
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 650 Redemeyer Rd., Ukiah

- Major Towns & Places
- Major Roads
- Highways
- COUNTY
- PRIVATE





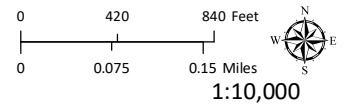
LOCATION

THIS MAP AND DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND.
 DO NOT USE THIS MAP TO DETERMINE LEGAL PROPERTY BOUNDARIES



CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
APN: 183-030-02
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 1800 Ruddick Cunningham Rd., Talmage

-  Public Roads
-  Approved Wireless Sites





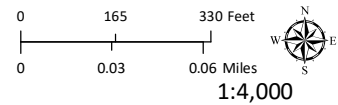
AERIAL IMAGERY

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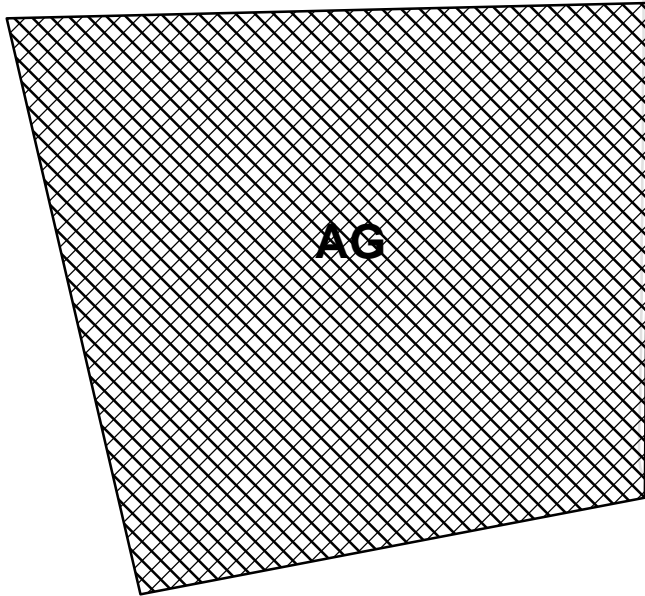
CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
APN: 183-030-02
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 1800 Ruddick Cunningham Rd., Talmage

-  Public Roads
-  Approved Wireless Sites



AERIAL IMAGERY

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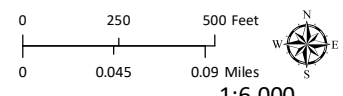


RUDDICK-CUNNINGHAM ROAD



CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
APN: 183-030-02
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 1800 Ruddick Cunningham Rd., Talmage

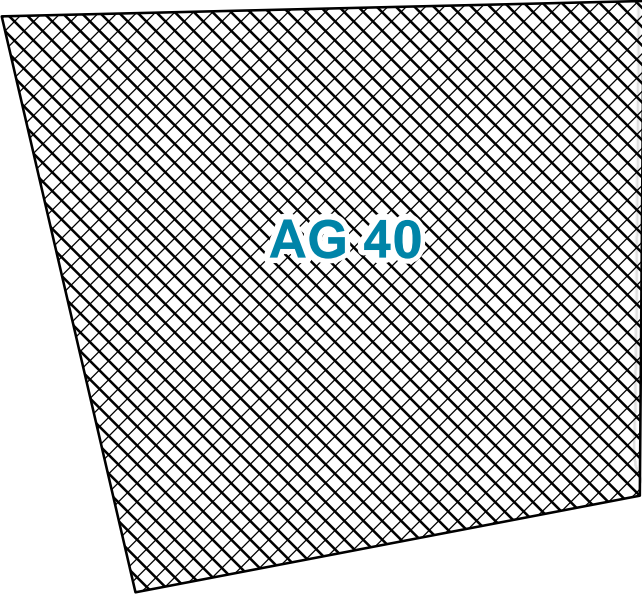
 Zoning Districts
 Public Roads





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ZONING

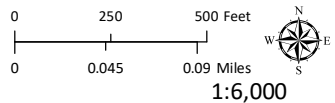
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MENDOCINO COUNTY PLANNING DEPARTMENT - 9/2/2023



CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
APN: 183-030-02
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 1800 Ruddick Cunningham Rd., Talmage

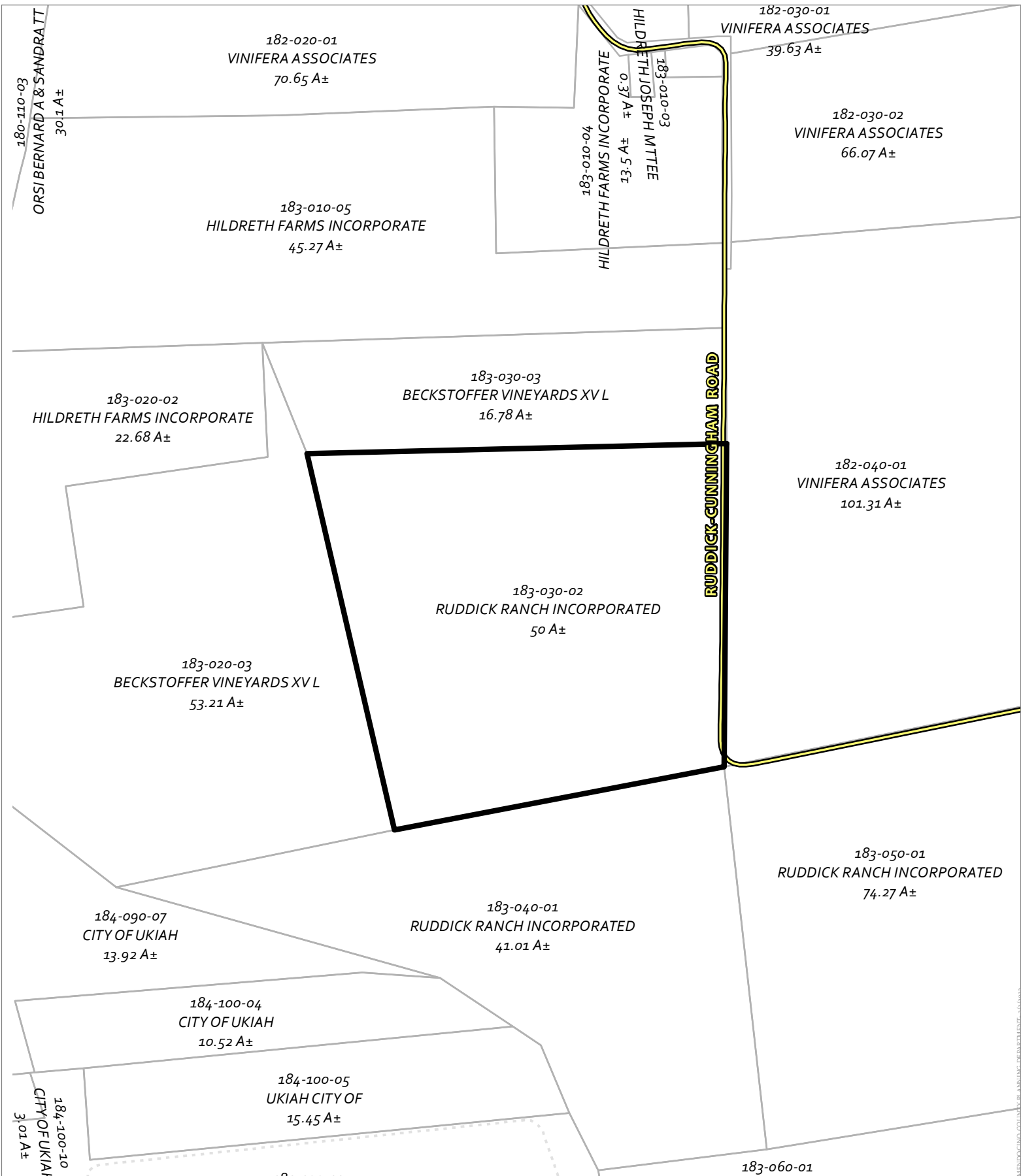
 General Plan Classes
 Public Roads



GENERAL PLAN

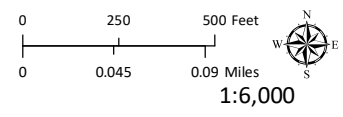
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MEMORANDUM TO THE BOARD OF SUPERVISORS, SAN JOAQUIN COUNTY, CALIFORNIA



CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
APN: 183-030-02
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 1800 Ruddick Cunningham Rd., Talmage

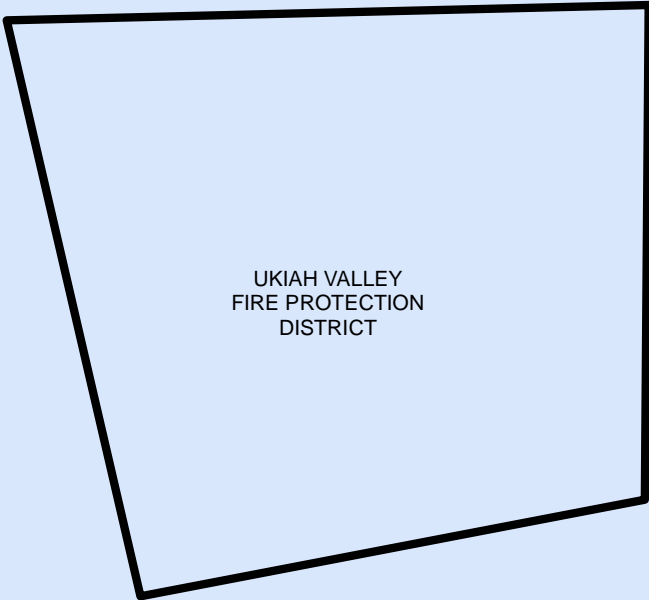
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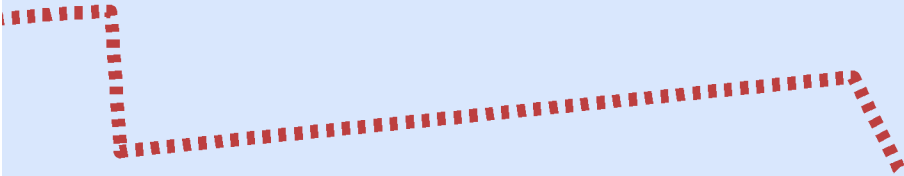
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ADJACENT PARCELS

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MEMORANDUM TO THE BOARD OF SUPERVISORS - AGRICULTURE DEPARTMENT - 9/24/2023

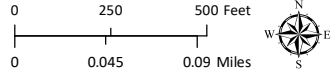
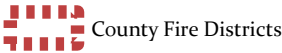


UKIAH VALLEY
FIRE PROTECTION
DISTRICT



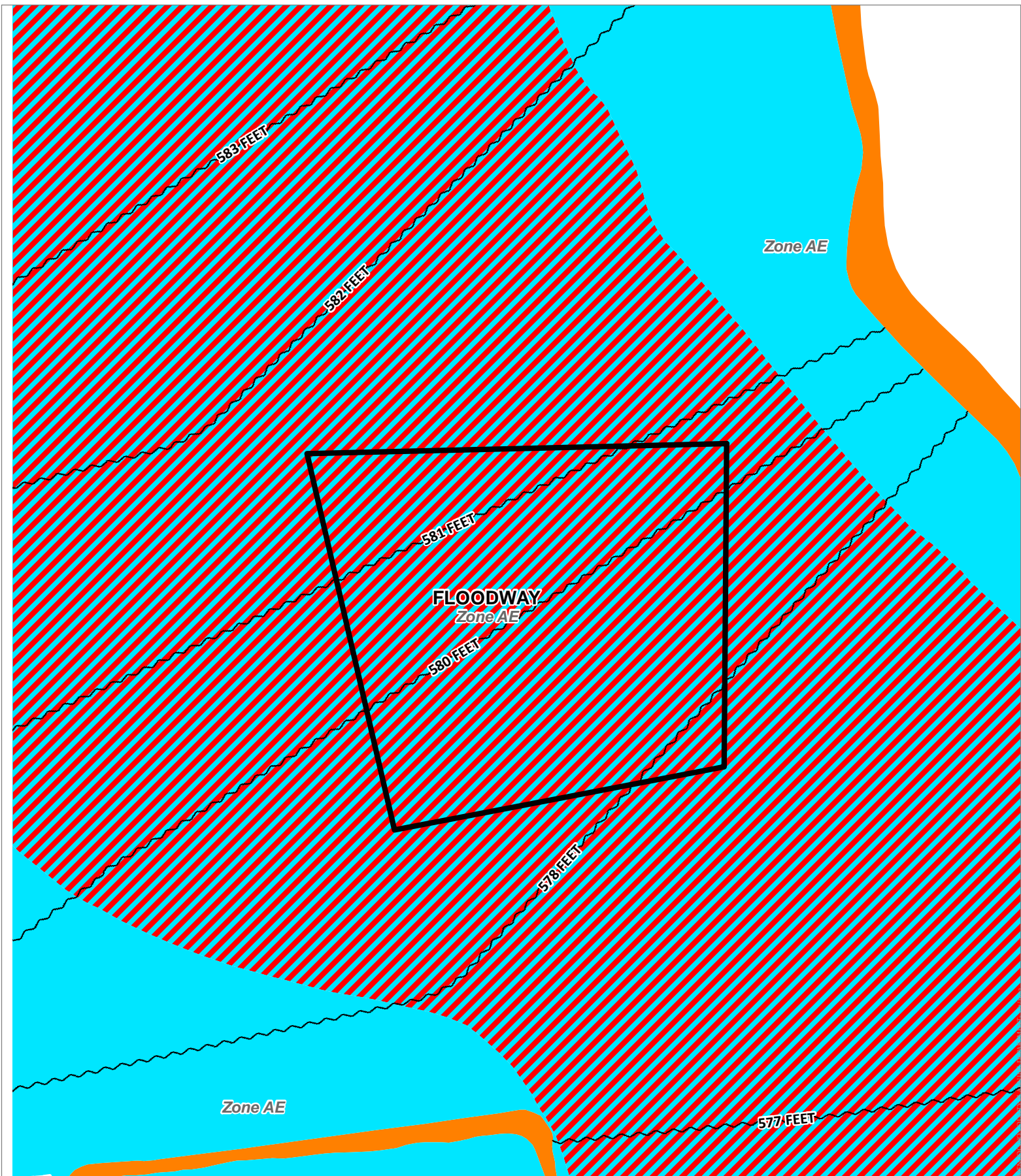
MENDOCINO COUNTY PLANNING DEPARTMENT 9/9/2023

CASE: AP 2023-0008
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APN: 183-030-02
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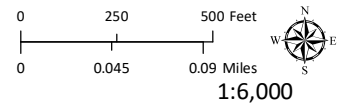


FIRE HAZARD ZONES & RESPONSIBILITY AREAS
STATE RESPONSIBILITY AREA

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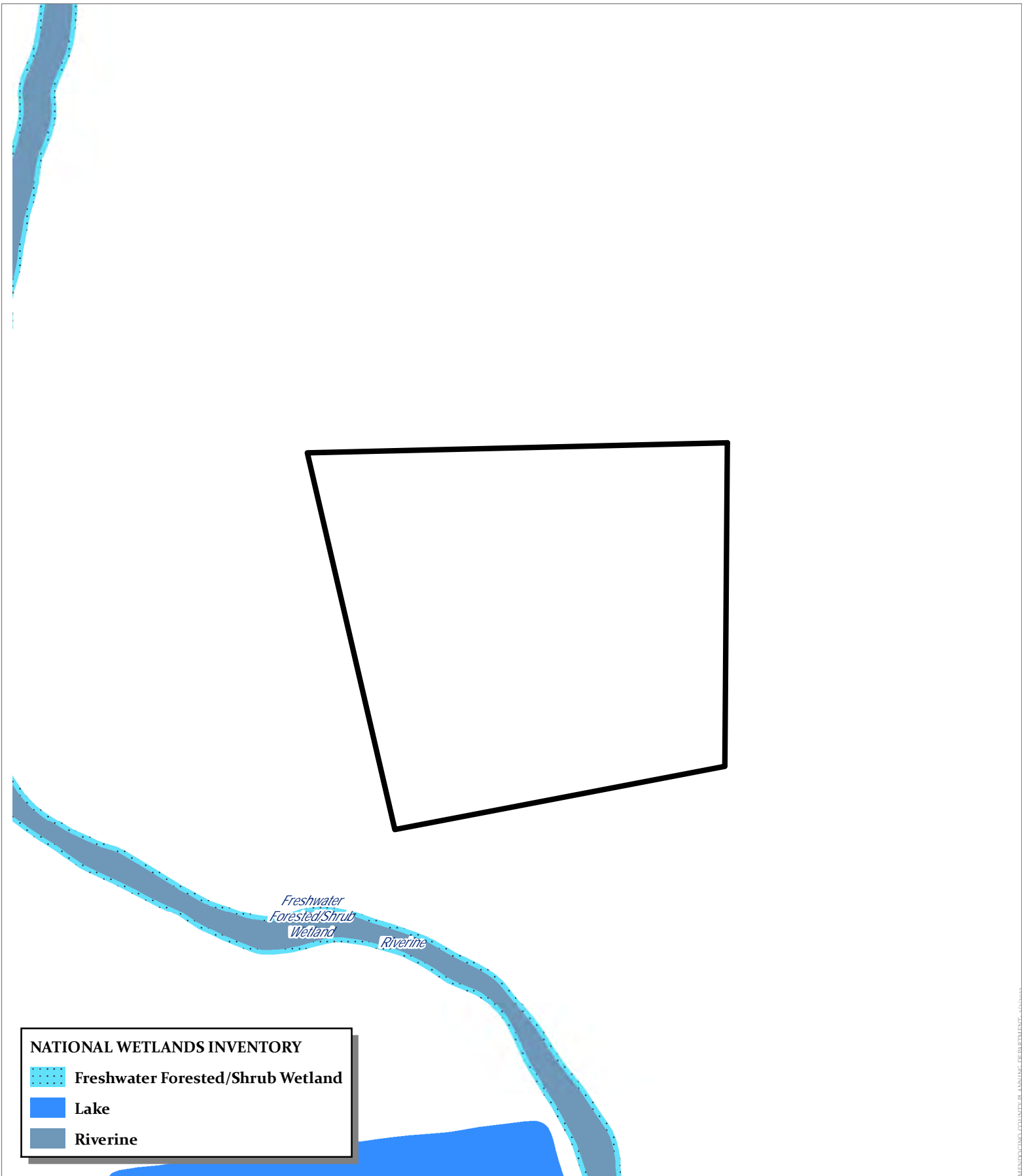


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FLOOD ZONES

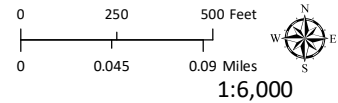
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NATIONAL WETLANDS INVENTORY

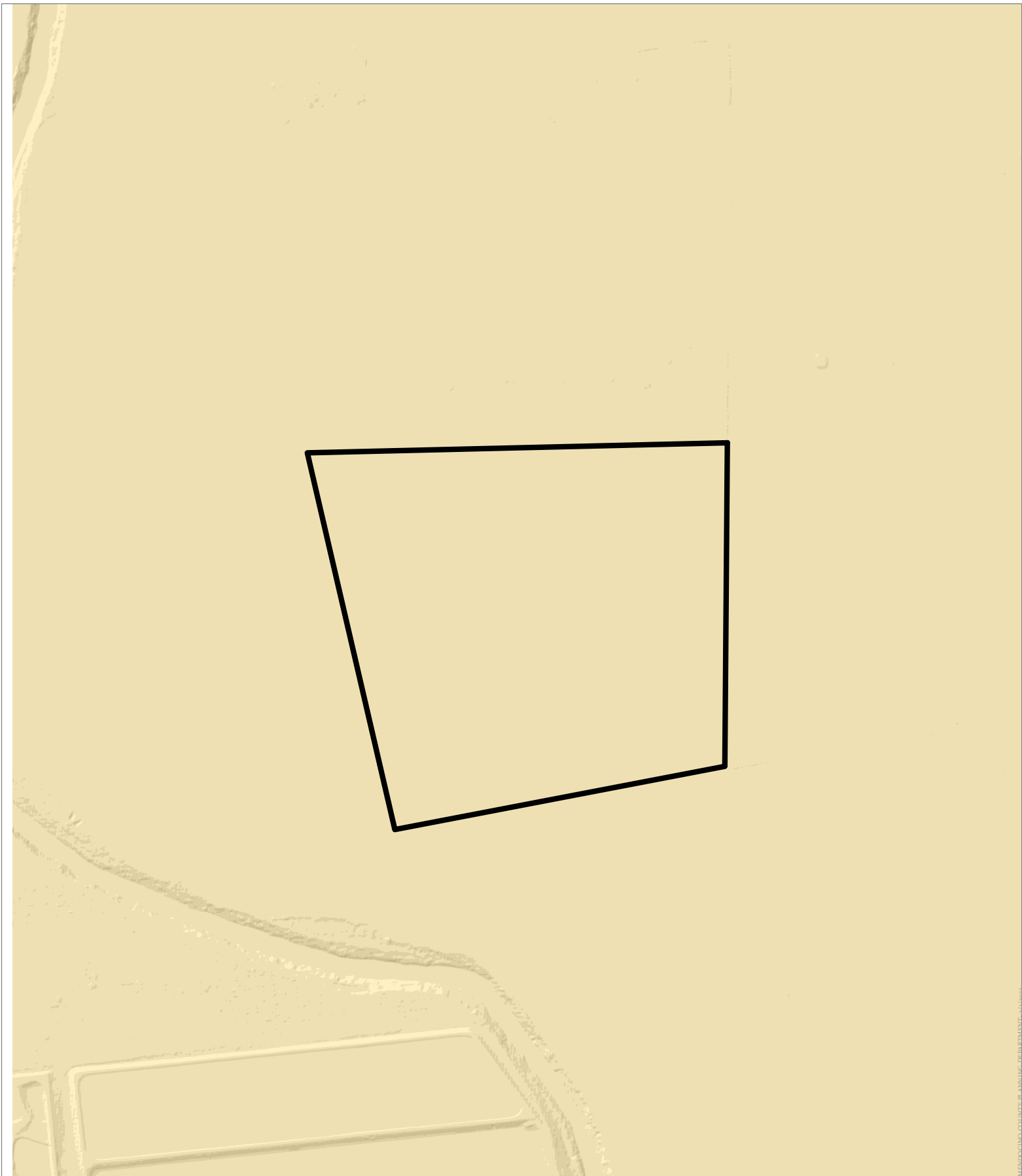
-  Freshwater Forested/Shrub Wetland
-  Lake
-  Riverine

CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
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APLCT: California Rural Service Area #1
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WETLANDS

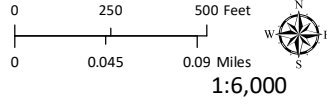
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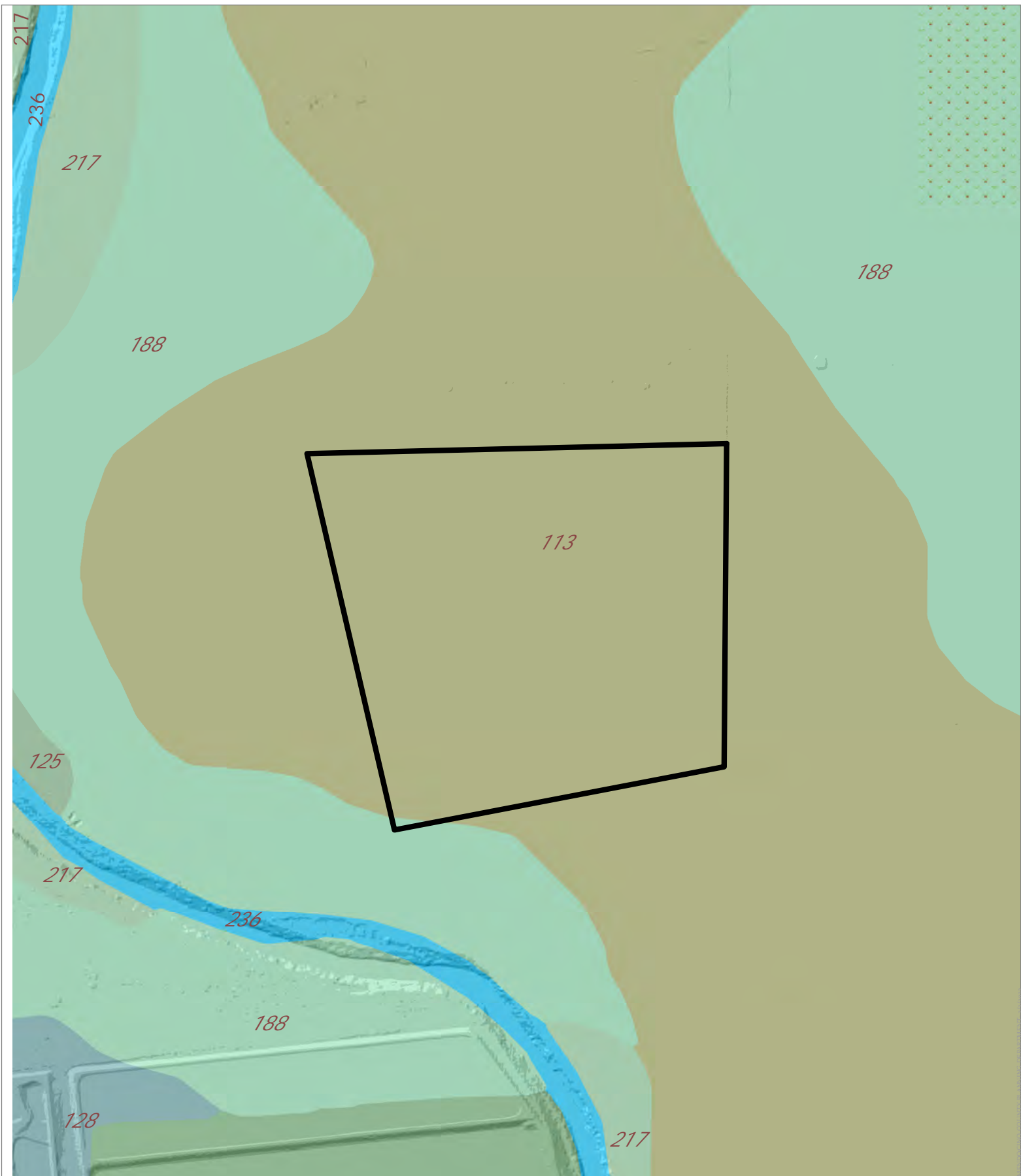
MEMPHIS COUNTY PLANNING DEPARTMENT - 9/9/2023

CASE: AP 2023-0008
OWNER: Ruddick Ranch Incorporated
APN: 183-030-02
APLCT: California Rural Service Area #1
AGENT: Faulk & Foster/Gara Fluitt
ADDRESS: 1800 Ruddick Cunningham Rd., Talmage

 0° - 14°

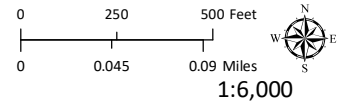


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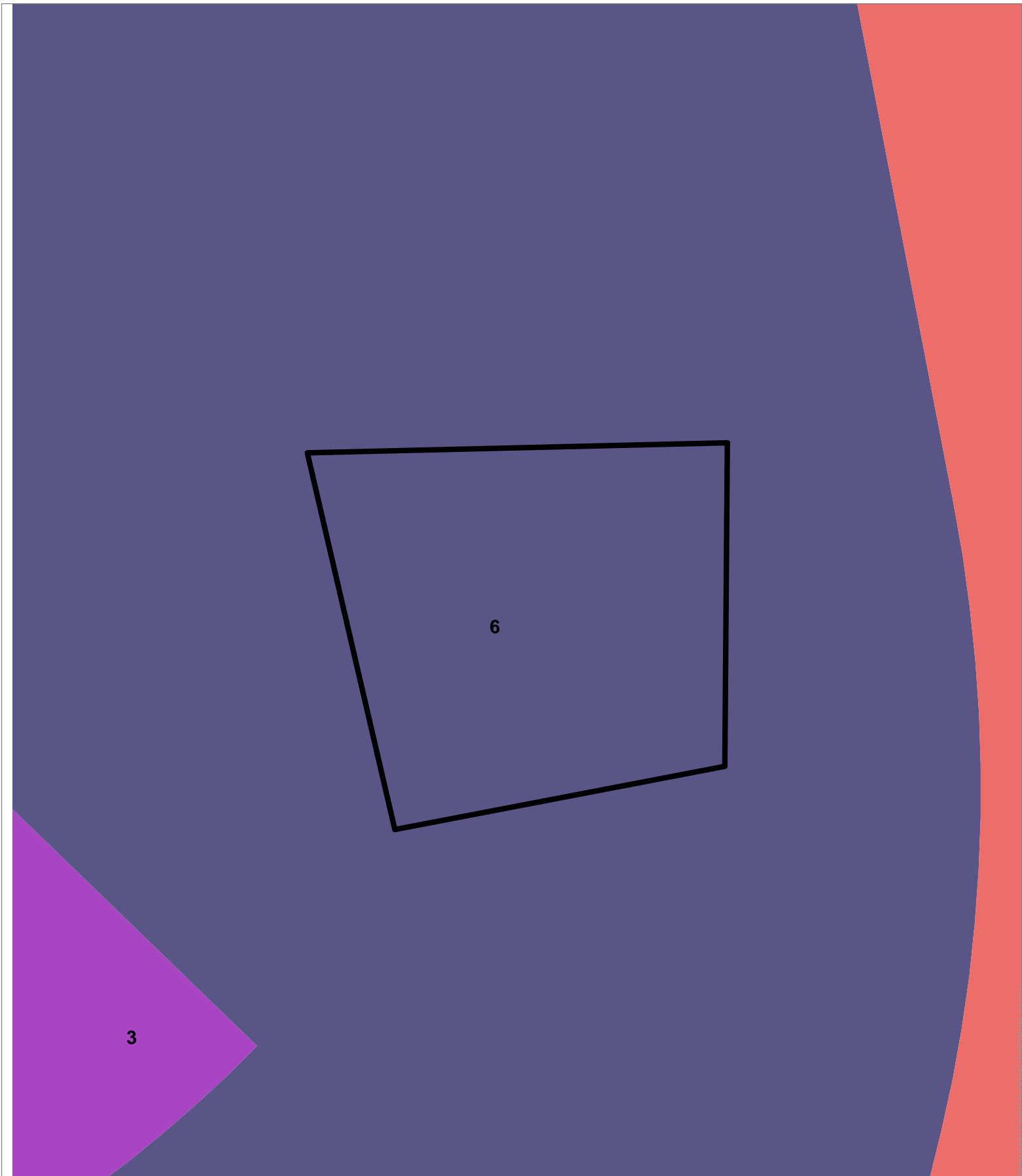
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 Naturally Occurring Asbestos

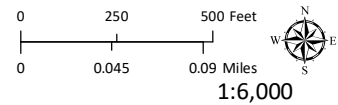


EASTERN SOIL CLASSIFICATION

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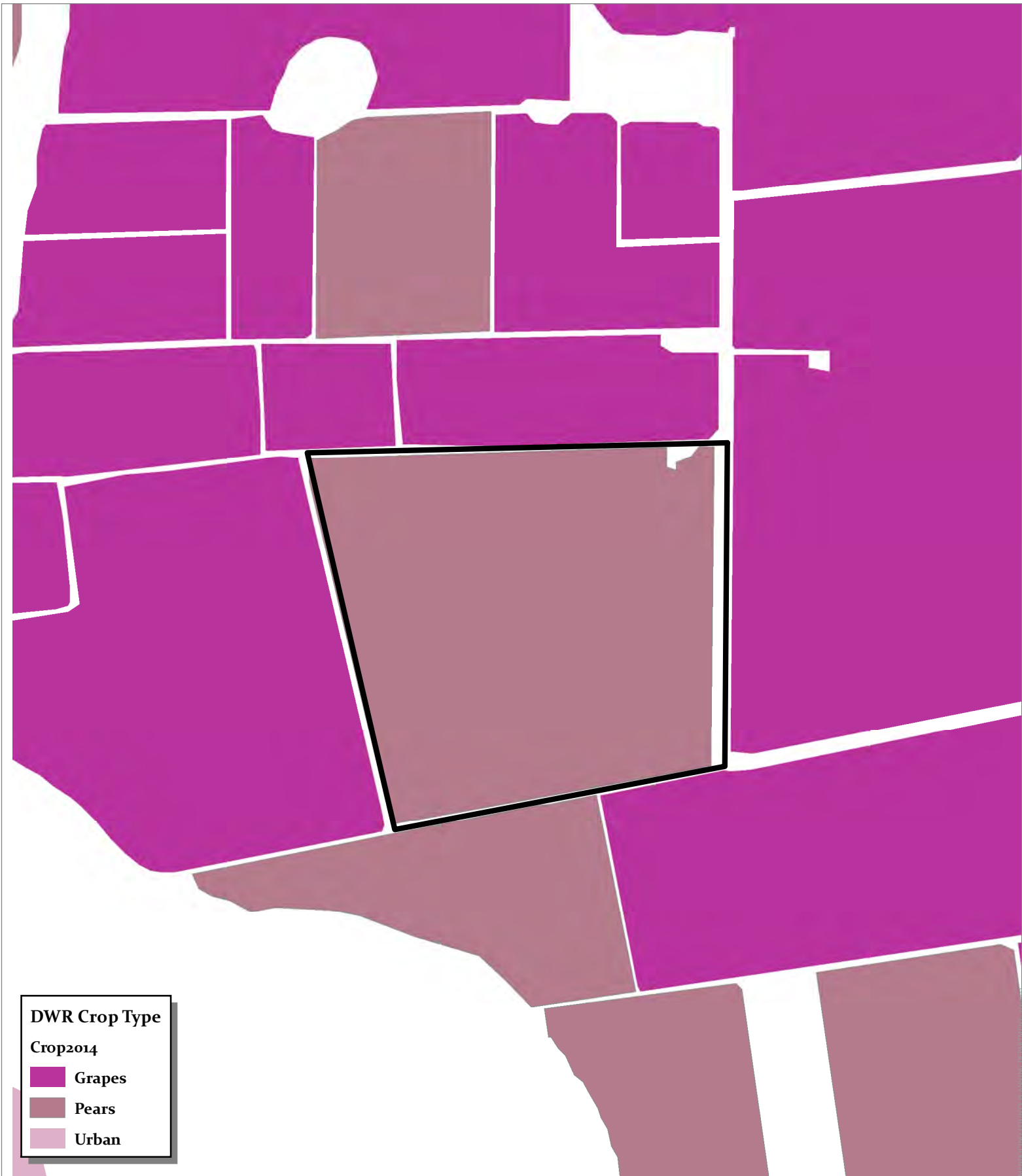


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UKIAH AIRPORT ZONES

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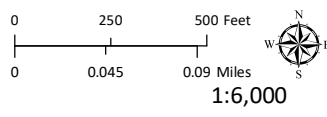


DWR Crop Type

Crop2014

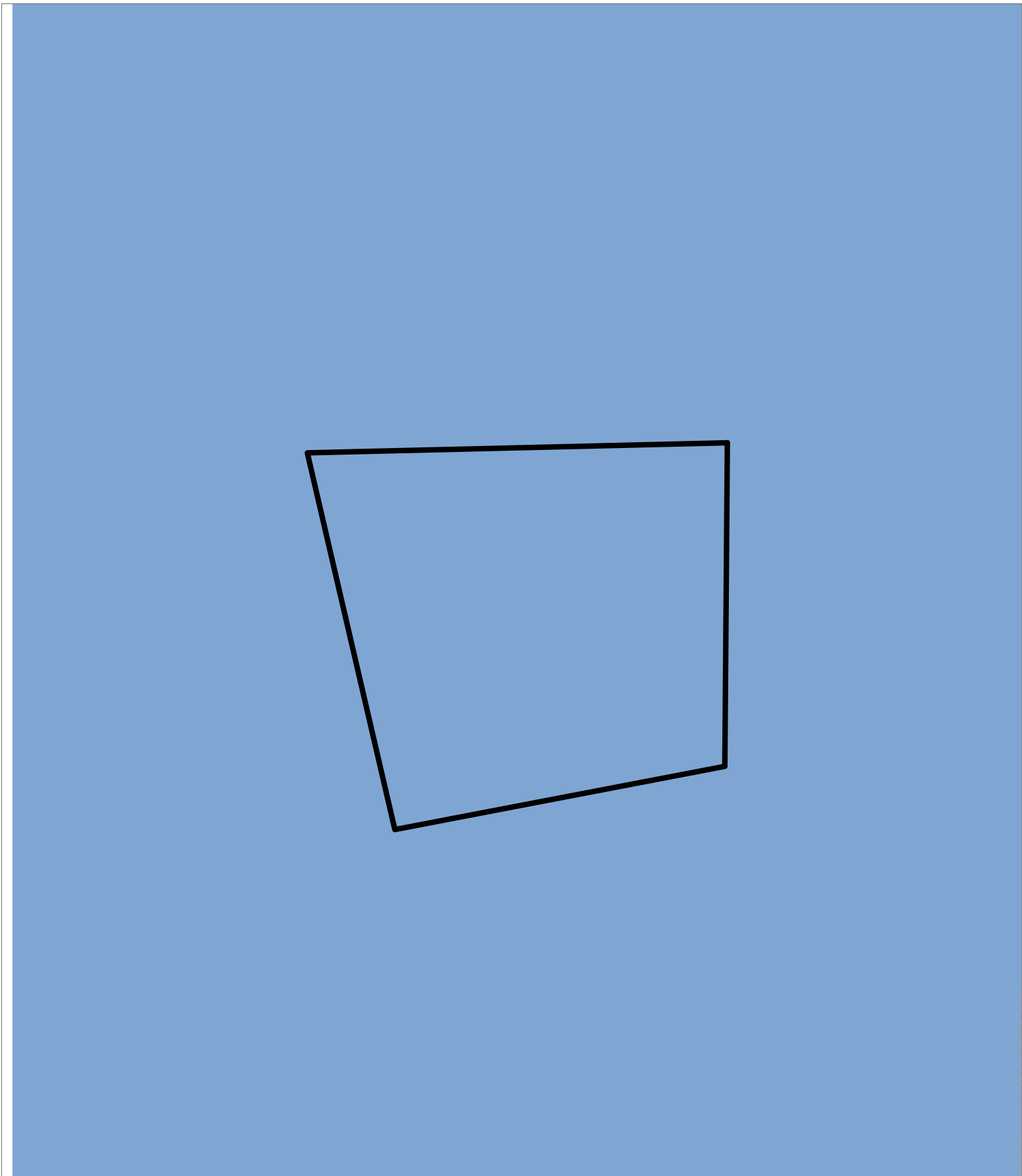
- Grapes
- Pears
- Urban

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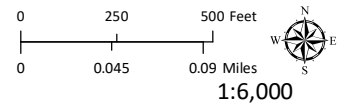
DWR CROP TYPE

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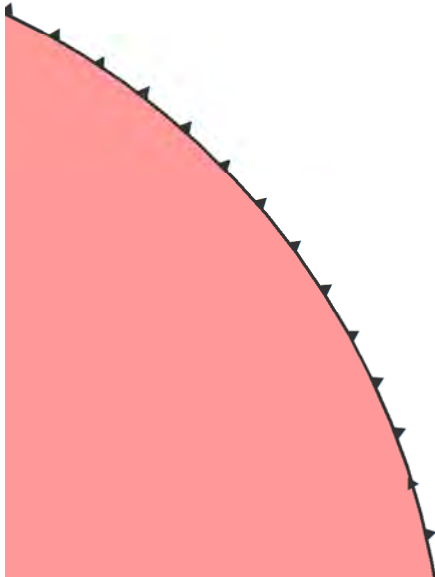
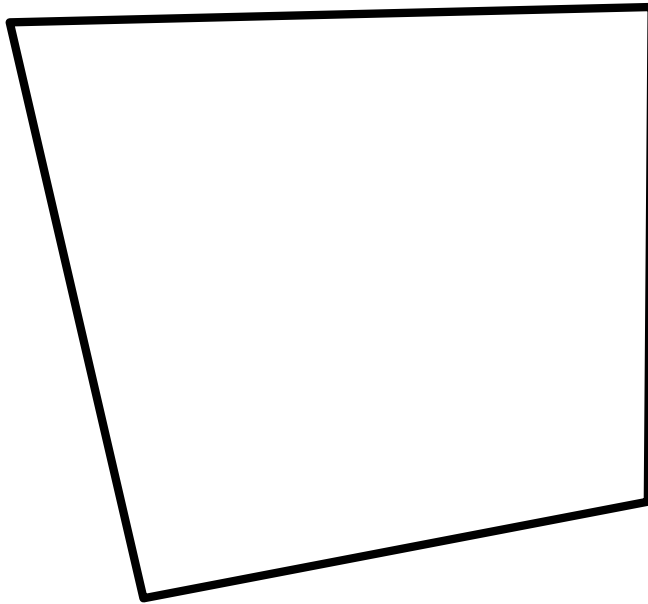
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 Estimated Inundation Zones

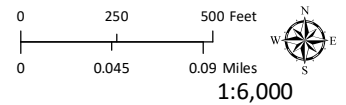


DAM INUNDATION ZONE

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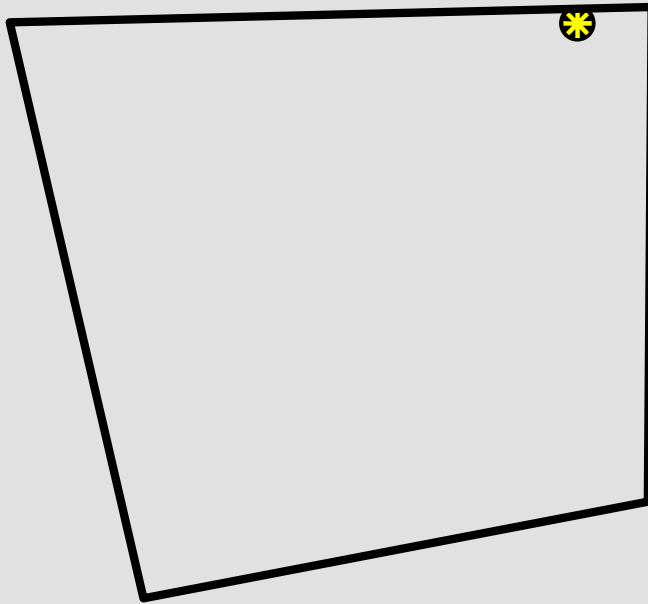


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SUPERFUND BUFFER ZONE

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MENOCINO COUNTY PLANNING DEPARTMENT - 9/9/2023

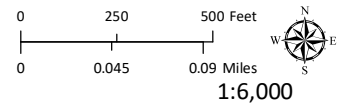
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Approved Wireless Sites



UVAP Boundary



UKIAH VALLEY AREA PLAN

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