CASE#: AP_2020-0011
DATE FILED: 2/25/2020
OWNER: MENDOCINO LAKE CLUBHOUSE INC
APPLICANT/AGENT: TOWER ENGINEERING PROFESSIONALS, INC.
REQUEST: Administrative Permit to remove six (6) LTE antennas, six (6) RRHs, and twelve (12) combiners and add six (6) antennas and RRH mount. Two (2) Raycaps and two (2) RRHs to be relocated to proposed RRH mount. No electrical work to be completed.
LOCATION: 3.9± miles northeast of Ukiah City center, lying on the west side of Lake Mendocino Drive (CR 227B), 0.4± miles northeast of its intersection with East Side Calpella Road (CR 227), located at 1500 Lake Mendocino Drive, Ukiah (APN: 168-210-08).
ENVIRONMENTAL DETERMINATION: Categorically Exempt
SUPERVISORIAL DISTRICT: 1
STAFF PLANNER: MARK CLISER
RESPONSE DUE DATE: April 22, 2020

PROJECT INFORMATION CAN BE FOUND AT:
https://www.mendocinocounty.org/government/planning-building-services/public-agency-referrals

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

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

REVIEWS BY:

Signature ____________________ Department ____________________ Date ______________
OWNER: MENDOCINO LAKE CLUBHOUSE INC.

APPLICANT: Tower Engineering Professionals, Inc.

AGENT: Tower Engineering Professionals, Inc.

REQUEST: Administrative Permit to remove six (6) LTE antennas, six (6) RRHs, and twelve (12) combiners and add six (6) antennas and RRH mount. Two (2) Raycaps and two (2) RRHs to be relocated to proposed RRH mount. No electrical work to be completed.

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APN/S: 168-210-08-00

PARCEL SIZE: 5.31 ACRES

GENERAL PLAN: SR:

ZONING: SR:12K

EXISTING USES: Wireless Communicati

DISTRICT: Supervisorial District 1 (Brown)

RELATED CASES:

- Use Permit U 21-2006 - permitted the construction of the subject 60-foot tall monopine within a 2,500 square-foot lease area
- Use Permit Modification UM 21-2006/2013
- Administrative Permit AP 2017-0003 - Administrative Permit for US Cellular antenna modifications to an existing tower

ADJACENT GENERAL PLAN | ADJACENT ZONING | ADJACENT LOT SIZES | ADJACENT USES
--- | --- | --- | ---
NORTH: RR5 | RR:5 | 32.72± acres | Residential; Agriculture
EAST: PL | PF | 5.42± acres | Public Facilities
SOUTH: RR1 | RR:1 | 1.21±; 1.15±; 1.9±; 1.3± acres | Residential
WEST: SR | SR:12K | 4.9±; 1.5±; 1.35± acres | Residential

REFERRAL AGENCIES

LOCAL
- Air Quality Management District
- Assessor’s Office
- Building Division Ukiah
- County Addresser
- Department of Transportation (DOT)

STATE
- Environmental Health (Ukiah)
- Ukiah Valley Fire District

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

ADDITONAL INFORMATION:

STAFF PLANNER: MARK CLISER
DATE: 4/1/2020
### ENVIRONMENTAL DATA

<table>
<thead>
<tr>
<th></th>
<th>MAC:</th>
<th>GIS</th>
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<tbody>
<tr>
<td>2</td>
<td>FIRE HAZARD SEVERITY ZONE:</td>
<td>CALFIRE FRAP maps/GIS</td>
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<tr>
<td>3</td>
<td>FIRE RESPONSIBILITY AREA:</td>
<td>CALFIRE FRAP maps/GIS</td>
<td>Ukiah Valley Fire District</td>
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<tr>
<td>4</td>
<td>FARMLAND CLASSIFICATION:</td>
<td>GIS</td>
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<tr>
<td>5</td>
<td>FLOOD ZONE CLASSIFICATION:</td>
<td>FEMA Flood Insurance Rate Maps (FIRM)</td>
<td>NO</td>
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<tr>
<td>6</td>
<td>COASTAL GROUNDWATER RESOURCE AREA:</td>
<td>Coastal Groundwater Study/GIS</td>
<td>NA</td>
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<td>7</td>
<td>SOIL CLASSIFICATION:</td>
<td>Mendocino County Soils Study</td>
<td>Eastern/Western Part</td>
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<td>PYGMY VEGETATION OR PYGMY CAPABLE SOIL:</td>
<td>LCP maps, Pygmy Soils Maps; GIS</td>
<td>NA</td>
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<td>9</td>
<td>WILLIAMSON ACT CONTRACT:</td>
<td>GIS/Mendocino County Assessor’s Office</td>
<td>NO</td>
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<td>10</td>
<td>TIMBER PRODUCTION ZONE:</td>
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<td>Earthquake Fault Zone Maps; GIS</td>
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<td>13</td>
<td>AIRPORT LAND USE PLANNING AREA:</td>
<td>Airport Land Use Plan; GIS</td>
<td>NO</td>
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<td>14</td>
<td>SUPERFUND/BROWNFIELD/HAZMAT SITE:</td>
<td>GIS; General Plan 3-11</td>
<td>NO</td>
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<td>15</td>
<td>NATURAL DIVERSITY DATABASE:</td>
<td>CA Dept. of Fish &amp; Wildlife Rarefind Database/GIS</td>
<td>NO</td>
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<td>STATE FOREST/PARK/RECREATION AREA ADJACENT:</td>
<td>GIS; General Plan 3-10</td>
<td>NA</td>
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<td>LANDSLIDE HAZARD:</td>
<td>Hazards and Landslides Map; GIS; Policy RM-61; General Plan 4-44</td>
<td>NA</td>
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<td>18</td>
<td>WATER EFFICIENT LANDSCAPE REQUIRED:</td>
<td>Policy RM-7; General Plan 4-34</td>
<td>NA</td>
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<td>19</td>
<td>WILD AND SCENIC RIVER:</td>
<td><a href="http://www.rivers.gov">www.rivers.gov</a> (Eel Only); GIS</td>
<td>NA</td>
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<td>SPECIFIC PLAN/SPECIAL PLAN AREA:</td>
<td>Various Adopted Specific Plan Areas; GIS</td>
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<td>21</td>
<td>STATE CLEARINGHOUSE REQUIRED:</td>
<td>Policy</td>
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<td>22</td>
<td>OAK WOODLAND AREA:</td>
<td>USDA</td>
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</tr>
<tr>
<td>23</td>
<td>HARBOR DISTRICT:</td>
<td>Sec. 20.512</td>
<td>NA</td>
</tr>
</tbody>
</table>
APPLICATION FORM

APPLICANT
Name: Tower Engineering Professionals Inc. (Mary McGarity) Phone: 980-202-5894
Mailing Address: 10700 Sikes Place, Suite 360,
City: Charlotte State/Zip: NC 28277 email: mcmcgarity@tepgroup.net

PROPERTY OWNER
Name: US Cellular Corporation Phone: **See redacted lease****
Mailing Address: 8410 W Bryn Mawr, Suite 700
City: Chicago State/Zip: IL 60631 email:

AGENT
Name: Tower Engineering Professionals Inc. (Mary McGarity) Phone: 980-202-5894
Mailing Address: 10700 Sikes Place, Suite 360
City: Charlotte State/Zip: NC 28277 email: mcmcgarity@tepgroup.net
Parcel Size: (Sq. feet/Acres) Address of Property: 1500 Lake Mendocino Dr., Mendocino, CA
Assessor Parcel Number(s): 168-210-08-00

TYPE OF APPLICATION:

☐ Administrative Permit ☐ Flood Hazard ☐ Rezoning
☐ Agricultural Preserve ☐ General Plan Amendment ☐ Use Permit-Cottage
☐ Airport Land Use ☐ Land Division-Minor ☐ Use Permit-Minor
☐ CDP- Admin ☐ Land Division- Major ☐ Use Permit-Major
☐ CDP- Standard ☐ Land Division-Parcel ☐ Variance
☐ Certificate of Compliance ☐ Land Division-Resubdivision ☐ Other
☐ Development Review ☐ Modification of Conditions
☐ Exception ☐ Reversion to Acreage

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

Mary McGarity 2/17/2020
Signature of Applicant/Agent Date Signature of Owner Date
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.

   US Cellular to add /replace antenna and RRU and raycap on existing cellular structure. No addition to height, and No electrical work to be completed.

### Structures/Lot Coverage

<table>
<thead>
<tr>
<th></th>
<th>Number of Units</th>
<th>Square Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Existing</td>
<td>Proposed</td>
</tr>
<tr>
<td>Single Family</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobile Home</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duplex</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multifamily</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other: Cell tower</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Structures Paved Area</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Landscaped Area</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Unimproved Area</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GRAND TOTAL (Equal to gross area of Parcel)
3. If the project is commercial, industrial or institutional, complete the following:

Estimated employees per shift: 
Estimated shifts per day: N/A
Type of loading facilities proposed: 

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


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


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


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

Number of covered spaces
Number of uncovered spaces
Number of standard spaces
Number of handicapped spaces

Existing Number of Spaces
Proposed Additional Spaces
Total

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


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

A. Amount of cut cubic yards
B. Amount of fill cubic yards
C. Maximum height of fill slope feet
D. Maximum height of cut slope feet
E. Amount of import or export cubic yards
F. Location of borrow or disposal site
10. Does the project involve sand removal, mining or gravel extraction?  
☐ Yes  ☑ No
If yes, detailed extraction, reclamation and monitoring plans may be required.

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

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

<p>| | |</p>
<table>
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<tbody>
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</tbody>
</table>

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?  

<table>
<thead>
<tr>
<th>Diking</th>
<th>☑ Yes  ☐ No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filling:</td>
<td>☐ Yes  ☑ No</td>
</tr>
<tr>
<td>Dredging:</td>
<td>☐ Yes  ☑ No</td>
</tr>
</tbody>
</table>

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

If so, amount of material to be dredged or filled?__________ cubic yards.

Location of dredged material disposal site?

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

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

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

A. Electricity:  
- Utility Company (service exists to the parcel)
- Utility Company (requires extension of service to site:____feet ______miles)
- On Site Generation - Specify:

B. Gas:  
- Utility Company/Tank
- On Site Generation - Specify:
- None

C. Telephone:  
☐ Yes  ☑ No

18. What will be the method of sewage disposal?  N/A

- Community sewage system - Specify supplier
- Septic Tank
- Other - Specify:

19. What will be the domestic water source?  N/A

- Community water system - Specify supplier
- Well
- Spring
- Other - Specify:
20. 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:

__________________________________________________________________________
__________________________________________________________________________

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

__________________________________________________________________________
__________________________________________________________________________

23. Are there existing structures on the property? ☐ Yes ☒ No
If yes, describe below, and identify the use of each structure on the plot plan or tentative map if the proposal is for a subdivision.

__________________________________________________________________________
__________________________________________________________________________

24. Will any existing structures be demolished or removed? ☐ Yes ☒ No
If yes, describe the type of development to be demolished or removed, including the relocation site, if applicable.

__________________________________________________________________________
__________________________________________________________________________

25. Project Height. Maximum height of existing structures 60 feet. Maximum height of proposed structures ______ feet.

26. Gross floor area of existing structures ______ square feet (including covered parking and accessory buildings). Gross floor area of proposed structures ______ square feet (including covered parking and accessory buildings).

27. Lot area (within property lines): ______ square feet ______ acres.

28. Briefly describe the project site as it exists before the project, including information on existing structures and their uses, slopes, soil stability, plants and animals, and any cultural, historical or scenic aspects. Attach any photographs of the site that you feel would be helpful.

__________________________________________________________________________
__________________________________________________________________________

29. Briefly describe the surrounding properties, including information on plants, animals and any cultural, historic or scenic aspects. Indicate the type of land use (use chart below) and its general intensity. Attach any photographs of the vicinity that you feel would be helpful.

__________________________________________________________________________
__________________________________________________________________________

30. Indicate the surrounding land uses:

<table>
<thead>
<tr>
<th></th>
<th>North</th>
<th>East</th>
<th>South</th>
<th>West</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vacant</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential Agricultural</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial Industrial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional Timberland</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1. I hereby certify that I have read this completed application and that, to the best of my knowledge, the information in this application, and all attached appendices and exhibits, is complete and correct. I understand that the failure to provide any requested information or any misstatements submitted in support of the application shall be grounds for either refusing to accept this application, for denying the permit, for suspending or revoking a permit issued on the basis of such misrepresentations, or for seeking of such further relief as may seem proper to the County.

2. I hereby grant permission for County Planning and Building Services staff and hearing bodies to enter upon and site view the premises for which this application is made in order to obtain information necessary for the preparation of required reports and render its decision.

   Mary McGarity
   Owner/Authorized Agent
   2/17/2020

NOTE: IF SIGNED BY AGENT, OWNER MUST SIGN BELOW. **See Signed Agent Authorization**

AUTHORIZATION OF AGENT

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

   _____________________________
   Owner
   Date

MAIL DIRECTION

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailing Address</td>
<td>Mailing Address</td>
<td>Mailing Address</td>
</tr>
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</table>

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.

Applicant: Mary McGarity

Date: 2/17/2020
CASE: AP 2020-0011
OWNER: Mendocino Lake Clubhouse
APN: 168-210-08
APLCT: Tower Engineering Professionals, Inc.
AGENT: Mary McGarity
ADDRESS: 1220 Lake Mendocino Drive, Ukiah

ZONING DISPLAY MAP
## EUPEN HYBRID CABLE LENGTH

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<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Proposed Hybrid Cable Quantity</td>
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<tr>
<td>Existing Hybrid Cable Quantity</td>
<td>1</td>
</tr>
<tr>
<td>Existing Power Cable Quantity</td>
<td>1</td>
</tr>
<tr>
<td>Longest Route to Coax Port in Shelter</td>
<td>13-Ft</td>
</tr>
<tr>
<td>Ice Bridge Length</td>
<td>8-Ft</td>
</tr>
<tr>
<td>Raycap Centerline + 12-Ft Buffer</td>
<td>70-Ft</td>
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<tr>
<td>Total Estimated Length of Hybrid Cable</td>
<td>91-Ft</td>
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<tr>
<td><strong>Total Estimated Length of Hybrid Cable</strong> (rounded up)</td>
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### JUMPER INFO

#### JUMPER QUANTITIES

<table>
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<tr>
<th>Type</th>
<th>Quantity</th>
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<tr>
<td>Fiber Jumpers</td>
<td>12</td>
</tr>
<tr>
<td>Coax Jumpers</td>
<td>36</td>
</tr>
<tr>
<td>Ret Jumpers</td>
<td>6</td>
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#### Fiber Jumper Length from Raycap to RRH

<table>
<thead>
<tr>
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<th>B71/B12</th>
<th>B2/B4</th>
<th>B5</th>
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<tr>
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<tr>
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<td>-</td>
</tr>
<tr>
<td>Gamma</td>
<td>5-M</td>
<td>5-M</td>
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#### 1/2" Coax Jumper from B71/12 RRH to Antenna

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<th>Length</th>
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<td>25-Ft</td>
</tr>
<tr>
<td>Beta</td>
<td>25-Ft</td>
</tr>
<tr>
<td>Gamma</td>
<td>25-Ft</td>
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#### 1/2" Coax Jumper from B2/4 RRH to Antenna

<table>
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<th>Length</th>
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</thead>
<tbody>
<tr>
<td>Alpha</td>
<td>25-Ft</td>
</tr>
<tr>
<td>Beta</td>
<td>25-Ft</td>
</tr>
<tr>
<td>Gamma</td>
<td>25-Ft</td>
</tr>
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</table>

#### 1/2" Coax Jumper from B5 RRH to Antenna

<table>
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<th>Length</th>
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</thead>
<tbody>
<tr>
<td>Alpha</td>
<td>25-Ft</td>
</tr>
<tr>
<td>Beta</td>
<td>26-Ft</td>
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<tr>
<td>Gamma</td>
<td>25-Ft</td>
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### RET JUMPER INFO

<table>
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<th>Length</th>
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</thead>
<tbody>
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<td>Alpha</td>
<td>10-M</td>
</tr>
<tr>
<td>Beta</td>
<td>10-M</td>
</tr>
<tr>
<td>Gamma</td>
<td>10-M</td>
</tr>
</tbody>
</table>

### NOTES:

1. LCAP Equipment to RF installed prior to LTE decommission.
2. USCC Centerline over 200-Ft requires middle ground bar.

---

### PROPOSED TOWER ELEVATION

Scale: 1" = 10'

---

### EXISTING LTE PANEL TO REMAIN:

- Existing COMA Panel
- Proposed LTE Panel to be installed:

### PROPOSED TOWER ELEVATION

Scale in feet

---

### THE OF USCC ANTENNAS AND EQUIPMENT

- (5) 58'-0".
- (6) 120'-0"
- (6) Existing LTE Antennas
- (6) NOKIA FRILB RRHs
- (12) KAELUS COMBINERS TO BE REMOVED
- (2) RAYCAPS
- (2) FXCOB RRHs TO BE RELOCATED TO PROPOSED RRH MOUNT
- (6) PROPOSED LTE ANTENNAS TO BE INSTALLED ON EXISTING ANTENNA MOUNT
- See Sheet C-8 for more details.

### THE OF PROPOSED RRH MOUNT @ 53'-6"

- (2) RAYCAPS
- (2) FXCOB RRHs TO BE RELOCATED TO RRH MOUNT
- (3) NOKIA AHILA RRHs
- (3) NOKIA AHFIB RRHs
- (1) RAYCAP TO BE INSTALLED ON PROPOSED MOUNT
- See Sheet C-9 for more details.

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### Existing 60' Monopine

0'-0" (Ref) T/Base Plate
SCOPE OF WORK

TOWER SCOPE:
EXISTING EQUIPMENT TO REMAIN:
1. ANTEL LPA-80093-807 CDMA PANEL ANTENNAS
2. ANTEL RWA 80097 CDMA PANEL ANTENNAS
3. NOKIA FXCB 85 RRHs
4. TH. CDMA COAX
5. 1/2" CDMA COAX
6. 1/2" HYBRID CABLE
7. 1/2" POWER CABLE
8. RAYCAP RUSD-6267-PF-48
9. RAYCAP RUSD-8999-P-48

PROPOSED EQUIPMENT:
10. DENYO OCTB-3X2XH-BW65 LTE PANEL ANTENNA
11. NOKIA AHLOA B71/B12 RRHs
12. NOKIA ANPB B71/B64 RRHs
13. RAYCAP RUSD-6267-PF-48
14. 1/2" HYBRID CABLE

LTE JUMPERS:
15. FIBER JUMPERS FROM RAYCAP TO BAND 71/7/2 RRHs
16. POWER JUMPERS FROM RAYCAP TO BAND 71/7/2 RRHs
17. JUMPERS FROM BAND 71/7/2 RRHs TO ANTENNAS
18. FIBER JUMPERS FROM RAYCAP TO BAND 2/4 RRHs
19. POWER JUMPERS FROM RAYCAP TO BAND 2/4 RRHs
20. JUMPERS FROM BAND 2/4 RRHs TO ANTENNAS
21. JUMPERS FROM BAND 5 RRHs TO ANTENNAS
22. JUMPERS FROM B71/B12 RRHs TO ANTENNAS
23. RET JUMPERS FROM B71/B12 RRHs TO ANTENNAS
24. RET JUMPERS FROM B71/B64 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.

SHELTER EXTERIOR SCOPE:
ICE BRIDGE:
CAN ACCOMMODATE ADDITION OF (1) HYBRID CABLE.

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

SHELTER EXTERIOR GROUND BAR
CAN ACCOMMODATE ADDITIONAL GROUND LEAD

SHELTER INTERIOR SCOPE:

PROPOSED EQUIPMENT:
(1) PROPOSED RAYCAP SURGE/PDU BOX
(2) PROPOSED RAYCAP FIBER BLACK TRAY

EXISTING EQUIPMENT:
(2) RAYCAPs TO REMAIN IN SHELTER. CONTRACTOR TO VERIFY WITH USCC.

SHELTER INTERNAL GROUND BAR:
NO PROPOSED CHANGES.

SPECIAL REQUIREMENTS:

ANTENNA AZIMUTHS:
PROPOSED LTE ANTENNAS TO BE INSTALLED AT THE DESIGN AZIMUTH.
AZIMUTH CHANGES MUST BE PRE SCHEDULED WITH USCC FOR POTENTIAL E911 TESTING.

ANTENNA MOUNT:
ANTENNA MOUNT HAS SUFFICIENT CAPACITY FOR PROPOSED LOADING.

ANTENNA CONFIGURATION:
PROPOSED LTE ANTENNAS TO BE INSTALLED AT 90° AND PLACED ON MOUNT POSITIONS A2, A3, B2, B3, C2 AND C3.

DECOMMISSIONED EQUIPMENT REMOVAL:

EQUIPMENT REMOVAL:
(6) KWM AM-X-CD-17-65-007 RET LTE PANEL ANTENNAS
(6) KWM AM-X-CD-17-65-007 RET LTE PANEL ANTENNAS
(12) KELLYS COMBINERS.

* POST-INTEGRATION