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PROJECT REQUEST LETTER

Crown Castle Small Cell
ACROSS 304 MISSION AVE, SAN RAFAEL
Crown Castle Project ID: [SFB004m1](#) / [SF90XS3T5](#)

SCP19-003 = SFB004

Nature of Request

On behalf of Crown Castle Fiber, this letter and attached materials are to apply for a Cellular Telecommunications Facility Use Permit to install a small cell wireless facility at the above-mentioned location.

The following is a project description of the designed facility, the project purpose and justifications in support of this proposal.

Property Location

The Project site is located at on the south side of Mission Ave. This is public Right of way within City of San Rafael.

Project Description

The proposed location for our facility currently consists of a 29'-0" utility pole on the south side of Mission Ave. This is an existing wooden JPA pole that will house the new facility.

Crown Castle proposes to place an antenna, within a radome, and affix the antenna to the top of the existing 29'-0" pole making the centerline of the antenna 39'-0". The antenna is 14.6" in diameter by 2 feet tall. The antenna will be mounted to the top of the pole (see D1.1) and a PVC conduit that will conceal the cables. The facility will have one radio unit, one Fiber panel box, one power disconnect and one meter. The equipment will be mounted between 7'-4" off the ground up to approximately 16 feet above ground level. All of this equipment will be painted to match the color of the existing utility pole. All work will be done on the pole; there will be no ground equipment or ground disturbance. Our proposal is depicted in the attached design drawings.

This is an unmanned facility that will operate at all times (24 hours per day, seven days per week) and will be serviced about once per year by a technician. Our proposal will greatly benefit the area by improving wireless telecommunications service as detailed below.

Emergency Response and E911 Coverage

E911 coverage is a major concern for Crown Castle. 80% of all 911 calls are made by mobile phones and 50% of all Americans have no landline phone connection. If there is no coverage in the area, those calls may not be able to connect placing lives in danger. Emergency services also uses wireless technology to communicate with dispatch, colleagues, and other services. In short, the seamless and uninterrupted

coverage provided by Crown at the Project site is a matter of health, safety and welfare, not merely one of convenience.

Statement of Operations

The WCF only requires power and fiber optic services. No nuisances will be generated by the Project, nor will the Project injure the public health, safety, morals or general welfare of the community. Crown technology does not interfere with any other forms of communication devices whether public or private.

Upon completion of the proposed installation, fine-tuning of the Project may be necessary, meaning the Project will be adjusted once or twice a month by a service technician for routine maintenance. The Project is also self-monitored and connects directly to a central office where sophisticated computers alert personnel to any equipment malfunction or breach of security.

Because the Project will be unmanned, there will be no regular hours of operation and no impact to existing traffic patterns. Existing public roads will provide ingress and egress allowing access for the technician who arrives periodically to service the site. No on-site water or sanitation services will be required as a part of this proposal.

Zoning Analysis

Crown is submitting the accompanying complete application to install its telecommunications network facilities in accordance with your code, ordinances and regulations. Please be advised the Federal Communications Commission (FCC) has adopted Rules and Regulations that impact how you must process this application. In addition, state law also limits your regulation of Crown's access to the public rights of way.

Compliance with Federal Regulations

Crown (as the owner of the facility) will not only comply with all FCC rules governing construction requirements, technical standards, interference protection, power and height limitations, and radio frequency standards, but ensure our respective tenants do as well. In addition, the company will comply with all FAA rules on site location and operation. Attached to this application is a letter detailing the new regulations, time lines and requirements that we are now following.

Noise Study

The radios are passively cooled so there are no conditioning units or cooling fans. The equipment does not make any noise or sounds. The equipment specifications are in the drawings.

NOI Responses

- **NOI Item #1**(*need signature from PG&E*): Please note, PG&E does not "own" the poles, therefore they would not provide a letter of authorization, this would come from the 'Pole Authority', specifically the JPA. We are providing this letter, which reflects the 'good standing' of Crown Castle Northern California Joint Pole Association. Crown Castle will be a tenant on the JPA pole, much like a Comcast, PG&E, AT&T, etc.
- **NOI Item #2** (need encroachment permit): Will File upon completion of Planning Approval.

- **NOI Item #3** (not preferred location): These site locations and designed based on need of coverage/capacity, per the FCC we do not need to provide supporting material. Important to mention, the equipment is placed within existing infrastructure, on an existing public utility, as we are treated the *same* legally as any other public utility. The area is primary residential, which is where cellular networks are impacted greatly by streaming services along with other data needs. The facility is built to minimize visual impact, along with adhering to General Order 95.
- **NOI Item #4** (volume needed for equip): see pages D1.1, D1.3 of revised drawings which reflects a total Cubic Volume of 9.82.
- **NOI Item #5(a)(3) – Item 5:** (need fiber optics and power info & where connecting): **Fiber** will be 3/4" Black Optical Cable, placed in the COM space on the wood pole. See page A1.1 along with Page (9) of the provided drawings, which reflect a plan view image reflecting the path, and connection points. **Power:** Gauge of wire will be determined by PG&E, wherein they provide the specifications based on load, coupled with requiring a green tag from the City of San Rafael. We have also reflected the power path design on page A1.1, along with providing a plan view image on page 10 of the provided drawings.
- **NOI Items #5(a)(3) – Item 6:** EMF (need sight lines to residence): Please find the updated EMF, specifically pages 12 & 13, reflecting all adjacent structures, their relative heights, and MPE levels at each.
- **NOI Items #7** (show anchor easements & guy lines): see page A1.2 of revised drawings, which important to mention are existing support wires as prescribed by General Order 95.
- **NOI Item: Photosims:** (sims need update & clarification): See attached/revised Photosims, updated views (3)