

**AT&T MOBILITY  
ALTERNATIVE SITE ANALYSIS  
CCL05865 aka Round Barn**

**March 27, 2024**

**Updated on September 3, 2024**

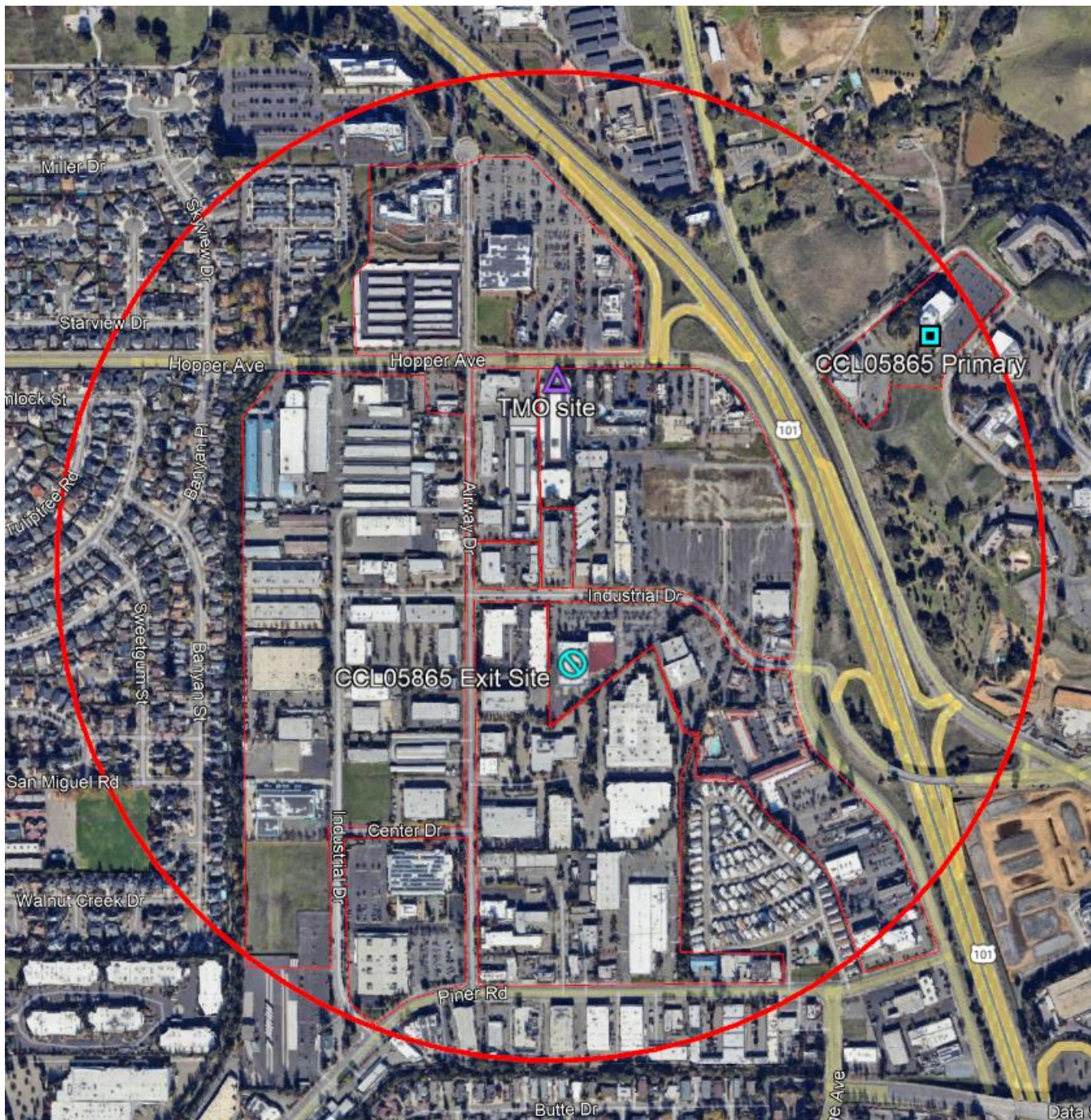
**Proposed Site Address:  
3562 Round Barn Circle  
Santa Rosa, CA 95403  
APN: 173-020-050**



## **Background:**

AT&T's existing site is located on the roof of the roof of the 24-Hour Fitness Center at 3550 Industrial Drive. The lease for that site is expiring and the building owner is unwilling to renew the lease. That caused the need for a replacement site in the immediate vicinity to replace the coverage that will be lost when the existing site is decommissioned. To mitigate the potential outage and damage to the overall network, AT&T issued the search ring below for the establishment of a new replacement facility.

## **The Search Ring**



### Search Ring Investigation:

The terrain in the search ring to the west of Hwy 101 is flat. While an aerial view of the search ring would indicate that there are numerous buildings in the area that could support a rooftop Wireless Telecommunications Facility the reality is much different. At a height of only 27', the 24-Hour Fitness building is the tallest building in the search ring. All the industrial buildings west of Hwy 101 are no taller than 27' and most are considerably shorter. The higher the antennas are off the ground the greater an area they can provide coverage to. This explains why the 24-Hour Fitness building was chosen at the time of the initial installation. Additionally, the streets surrounding these short industrial buildings are lined with redwood and other trees that are taller than the buildings. This creates near field signal obstructions to the signals emanating from any antennas that would be mounted on the rooftops which would again constrict the amount of coverage from an installation in this area.

The two office buildings on the east side of Hwy 101 that are in the search ring provide rooftops that are significantly higher than any rooftop in the area to the west. These rooftops would have the greatest amount of coverage area as well as being able to directly cover Hwy 101 which is an important coverage objective. The owner of those buildings was contacted and was willing to lease space on the roof to AT&T.

### Other Candidates considered:

|   |                                |                                     |                                                                         |
|---|--------------------------------|-------------------------------------|-------------------------------------------------------------------------|
| * | 24-Hour Fitness                | 3550 Industrial Drive               | Existing AT&T Decommission Site                                         |
| A | Homestyle Furnishings          | 3515 Industrial Drive               | Unable to make contact with the property owner.                         |
| B | Quality Discount Cabinets      | 3440 Airway Drive                   | Property owner not interested                                           |
| C | Rooftop collocation            | 3201 Cleveland Ave.                 | Rejected by the RF Engineer. Too far south.                             |
| D | Industrial building            | 3310 Industrial Dr.                 | Letter sent to owners with no reply.                                    |
| E | Monopine tower installations   | The industrial area west of Hwy 101 | Not preferred by the City Municipal Code                                |
| F | Public Storage rooftop         | 914 Hopper Ave.                     | This rooftop is only 30'x40' which is not large enough for co-location. |
| F | Fountaingrove Executive Center | 3562 Round Barn Circle              | PROJECT SITE                                                            |

### Summary:

An exhaustive search was conducted to find a site for the relocated facility that suited the needs of the network, was the least visually obtrusive installation possible, and was consistent with the provisions and intent of the City of Santa Rosa Code Chapter 20-44 which governs the installation of Telecommunications Facilities.

### September 3, 2024 Update:

There is a rooftop installation by T-Mobile at the Public Storage facility located at 914 Hopper Ave. The building that the site is on measures 30'x40'. T-Mobile's lease area and structure on that roof is 14'x20'. To avoid frequency interference with T-Mobile's network AT&T's antennas need to be horizontally separated from T-Mobile's antennas by 10'. AT&T typically has 3 antennas per sector taking up approximately 8' of width for each sector. There is insufficient space on this rooftop for two fully functioning carriers without causing interference with each other. The rooftop is not co-locatable.