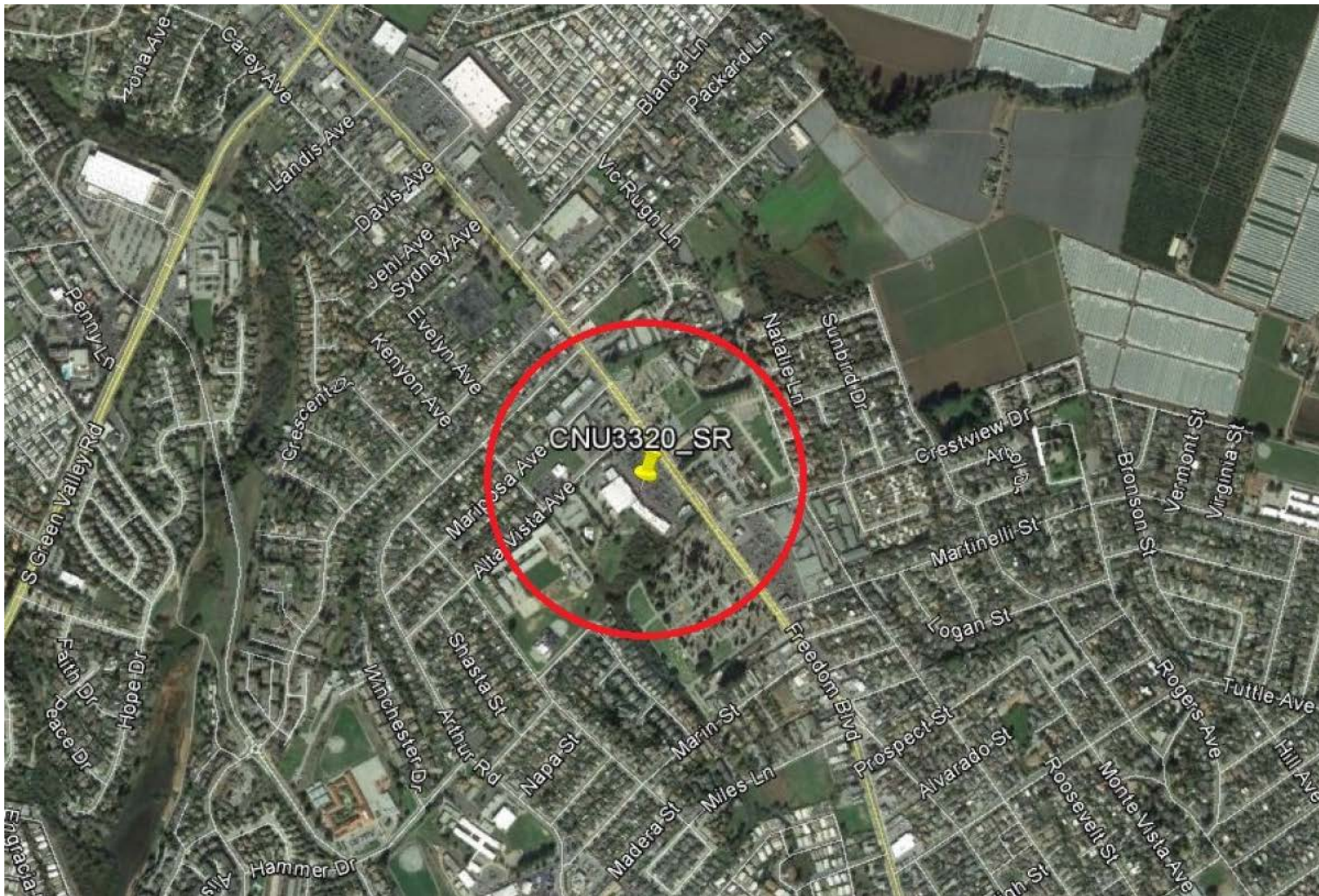


CCL03320 – Freedom Blvd
1478 Freedom Blvd, Watsonville, CA 95076

Alternative Site Location Analysis

CCL03320 – Service Improvement Objective



The purpose of the proposed site is to improve coverage and capacity in the area of Watsonville near the cross street of Freedom Boulevard and Alta vista Avenue. For the best desired improvement to coverage we need to remain within or as close to the circle shown in the image above as possible.

CCL03320 – Area Map



Locations Analyzed:

Project Location: Public Storage, 1478 Freedom Blvd, Watsonville, CA 95076

Alternative Locations Analyzed:

1. Wells Fargo, 1503 Freedom Blvd, Watsonville, CA 95076

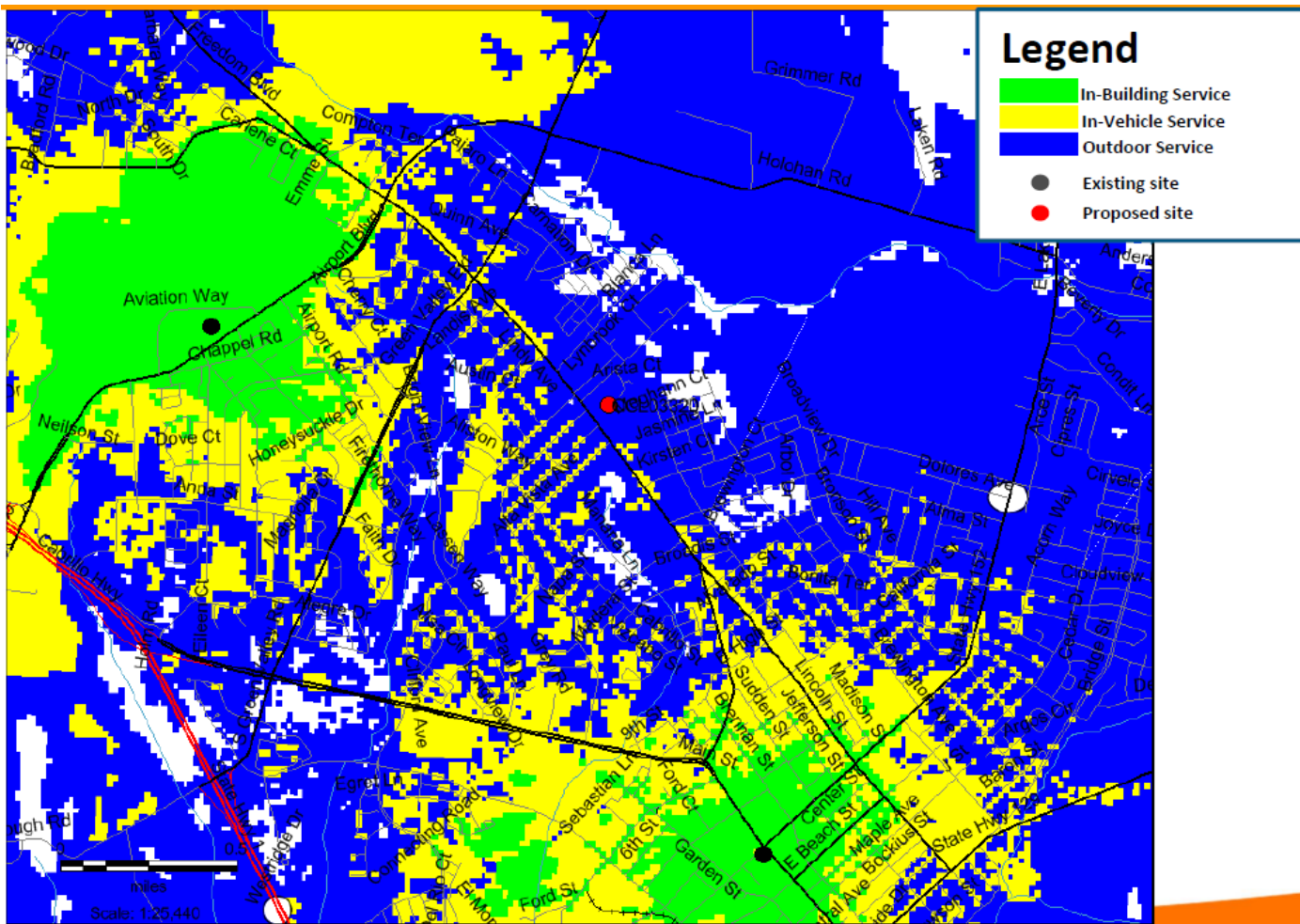
CCL03320 – Selection Process

Proposed Site Location



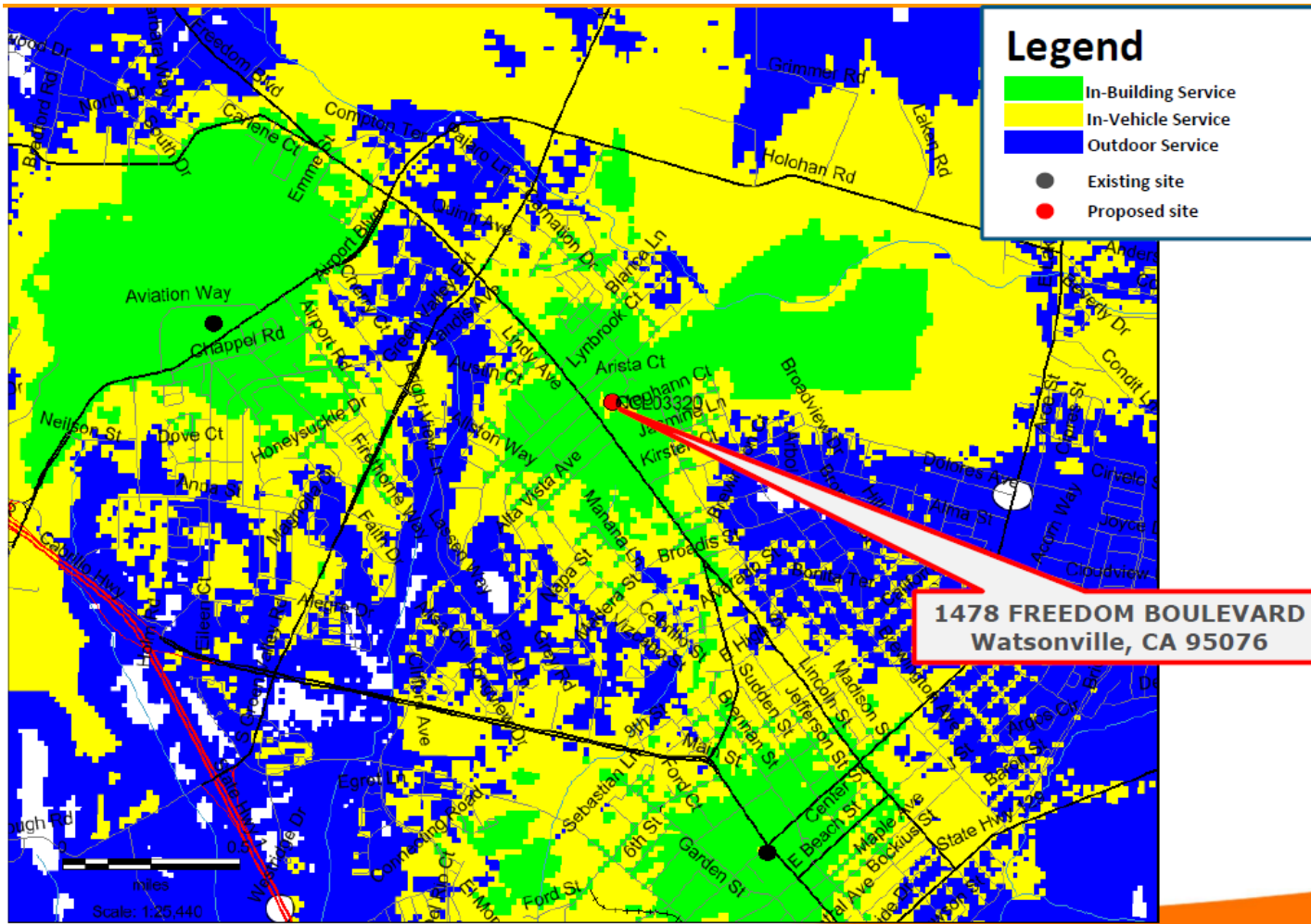
- Upon review of the region, AT&T found only one potential location within or near to our area of interest that might provide collocation at 1503 Freedom Boulevard; however, upon physically visiting the site it was determined that the data was incorrect as there was no existing tower at the location. In addition, this location was outside the main area of interest and therefore a new build here would be inferior to a location closer to our interest area. Therefore, this alternative was discarded.
- Once the potential collocation site above was determined unsuitable we determined that a new build tower in the area was going to be necessary. We reached out via phone calls and physical visits and only identified one interested property owner located at 1478 Freedom Boulevard. This became our selected site for our proposal. This site location is pictured above.

CCL03320 – Current Coverage Map



- This map represents the coverage without the proposed site.
- Significant coverage gaps appear in the primary coverage area presented during High Demand Periods.
- For the express purpose of meeting AT&T's coverage objectives for this area, AT&T proposes the following Alternative Site Location Analysis.

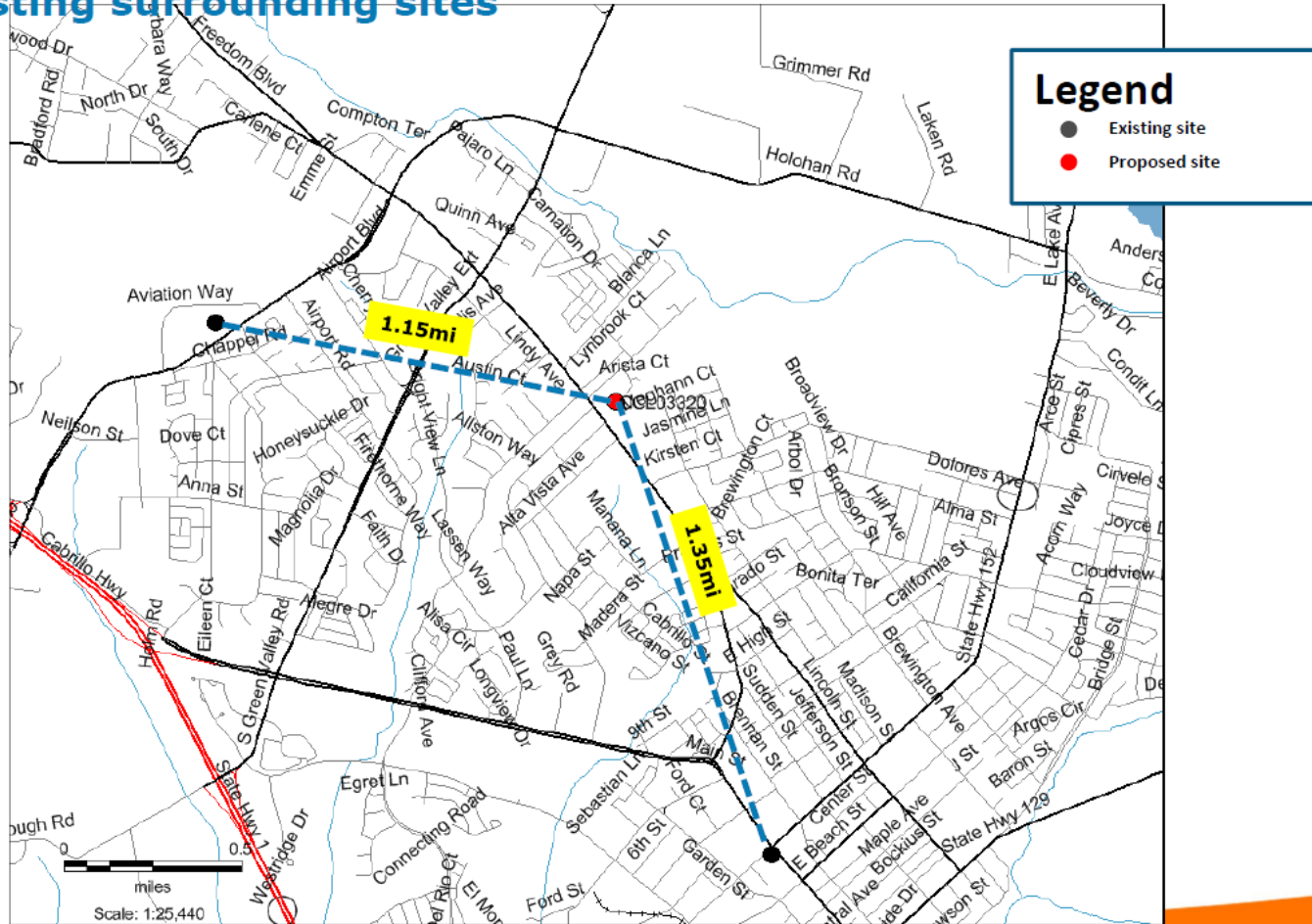
CCL03320 – Proposed Coverage from Primary Site Location



- RF modeling predicts this will be the expanded coverage with the proposed site installed.
- This location and elevation is considered to be “optimal” as a permanent site.

CCL03320 – Existing Surrounding Sites

Existing surrounding sites



- This map represents the location of existing on air sites surrounding the proposed site location

Conclusion

Existing



Proposed



Based on AT&T's analysis of alternative sites, our engineering staff has confirmed that the Primary site location at 1478 Freedom Boulevard remains the most appropriate site for new build construction in this area.

view from Dear Meadows Road looking northwest at site

About this Statement

RF Engineer – Asad Shahbaz

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RF Tools

- **ATOLL**

The ALT Sites Analysis is compiled using a wireless coverage prediction tool from Forsk called ATOLL. The tool has several GIS layers as inputs such as ground clutter data and average ground elevation height. The tool also knows about our antennas that we use for the cell sites and the transmit powers and everything in the link budget. This tool simulates what a customer will receive as a signal power. This tool is used to compare future site choices so that the optimal coverage can be attained.

- **Google Earth Pro**

A powerful GIS tool which is used to overlay the ATOLL prediction and drive test data. With this data and the topography models in this program, further analysis of data and graphic displays of coverage areas can be generated for reference.