



**DN04333 WOODMEN ELEMENTARY  
RF PROPOGATION STUDY**

*Site Location: 1234 Woodmen Elementary School, St. Louis, MO 63103*

The Right Results  
The **Right** Way™





Vertical Bridge is requesting to build a site at 8308 Del Rio Road with an overall height of 93' and a T-Mobile antenna centerline of 86' AGL to add coverage and improve existing service in the Falcon residential areas near Hwy 24. The accompanying coverage prediction plots exhibit the need for this height. The colored shade shows “In building” quality coverage.

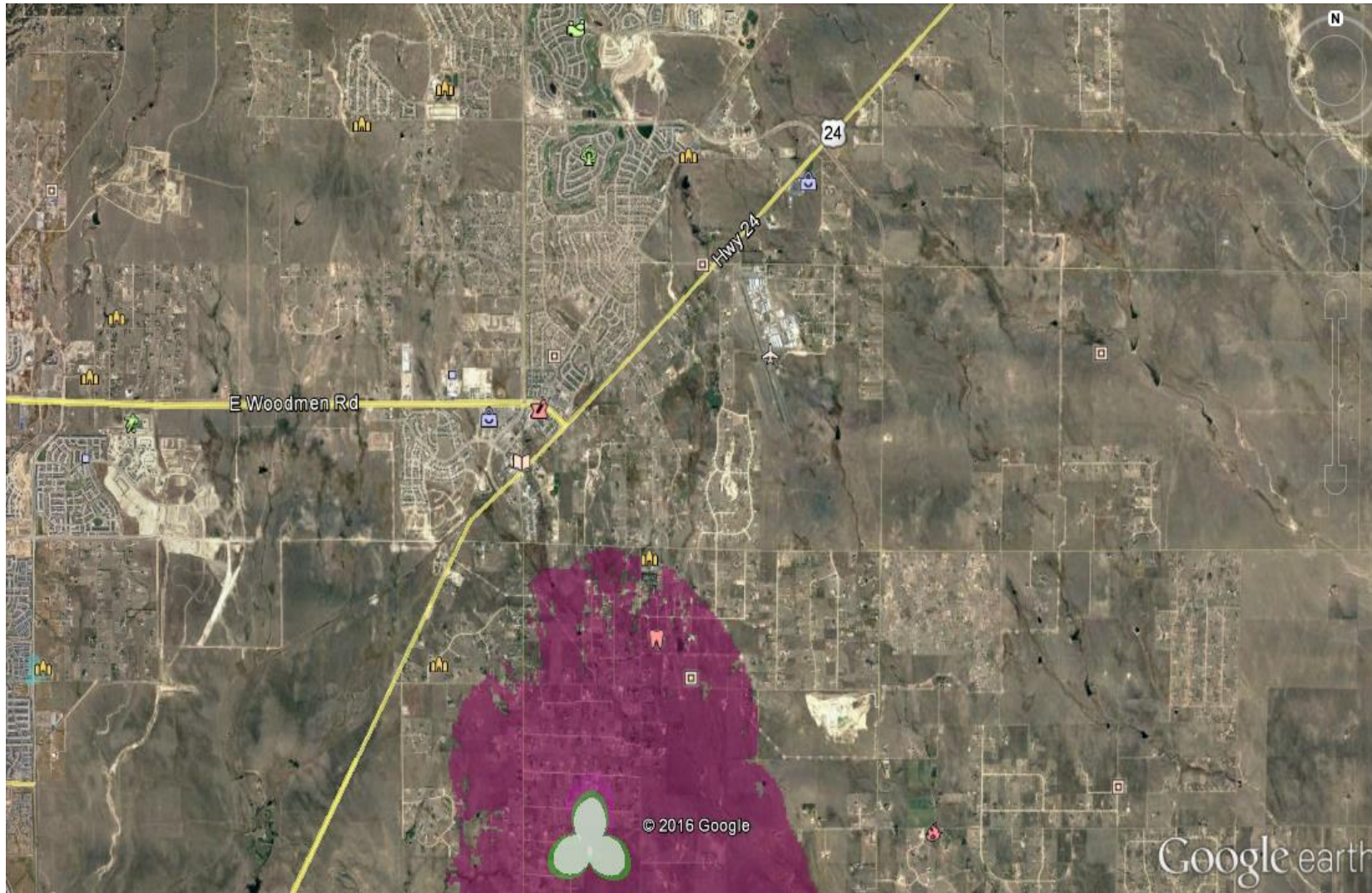
The Right Results  
The **Right** Way™



# EXISTING T-MOBILE COVERAGE - WITHOUT SITE DN04333 WOODMEN ELEMENTARY



Existing T-Mobile Coverage

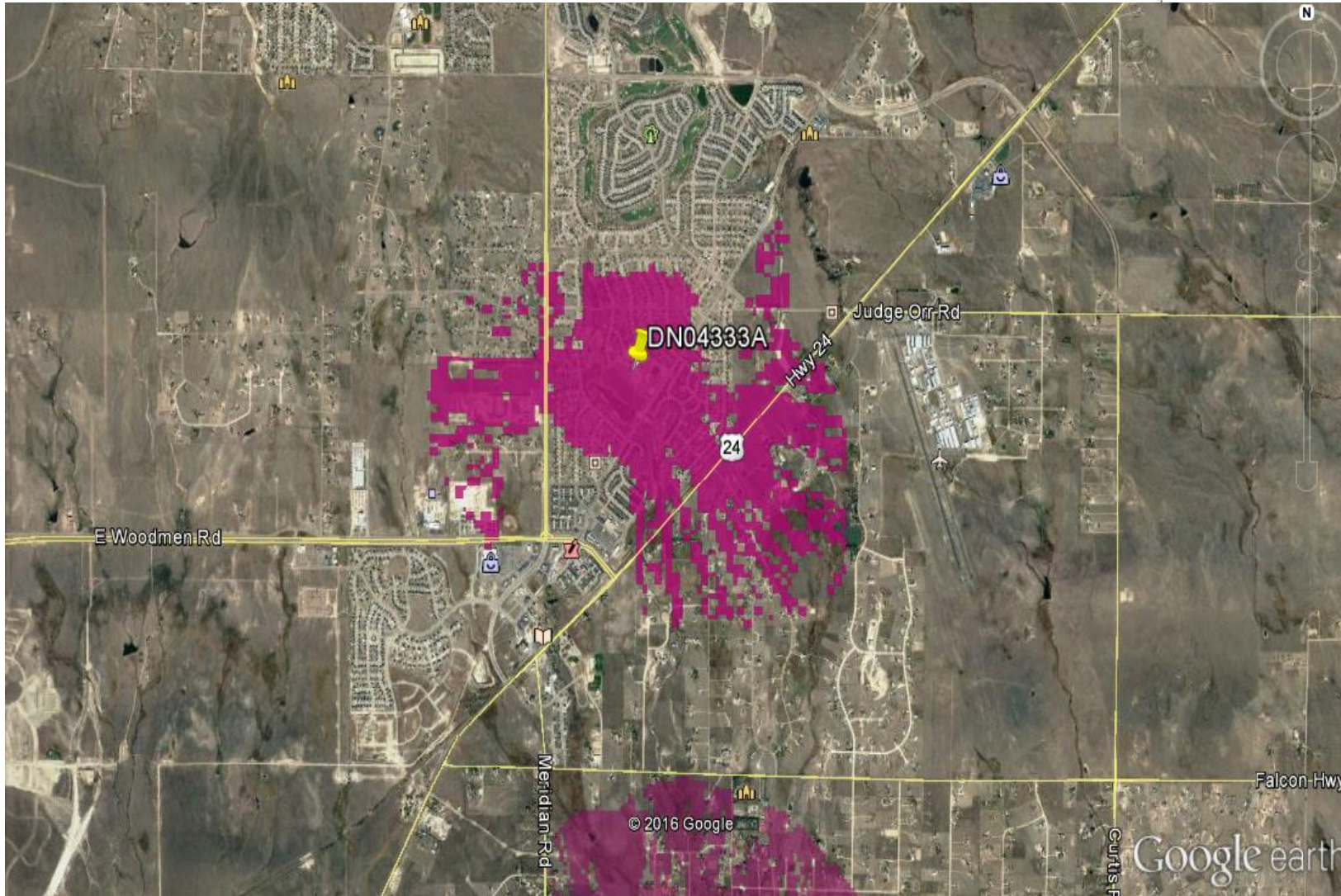


There is no in-building coverage currently in the area of the proposed tower.

# PROPOSED T-MOBILE COVERAGE - AT 60' RAD SITE DN04333 WOODMEN ELEMENTARY



Proposed Coverage at 60'

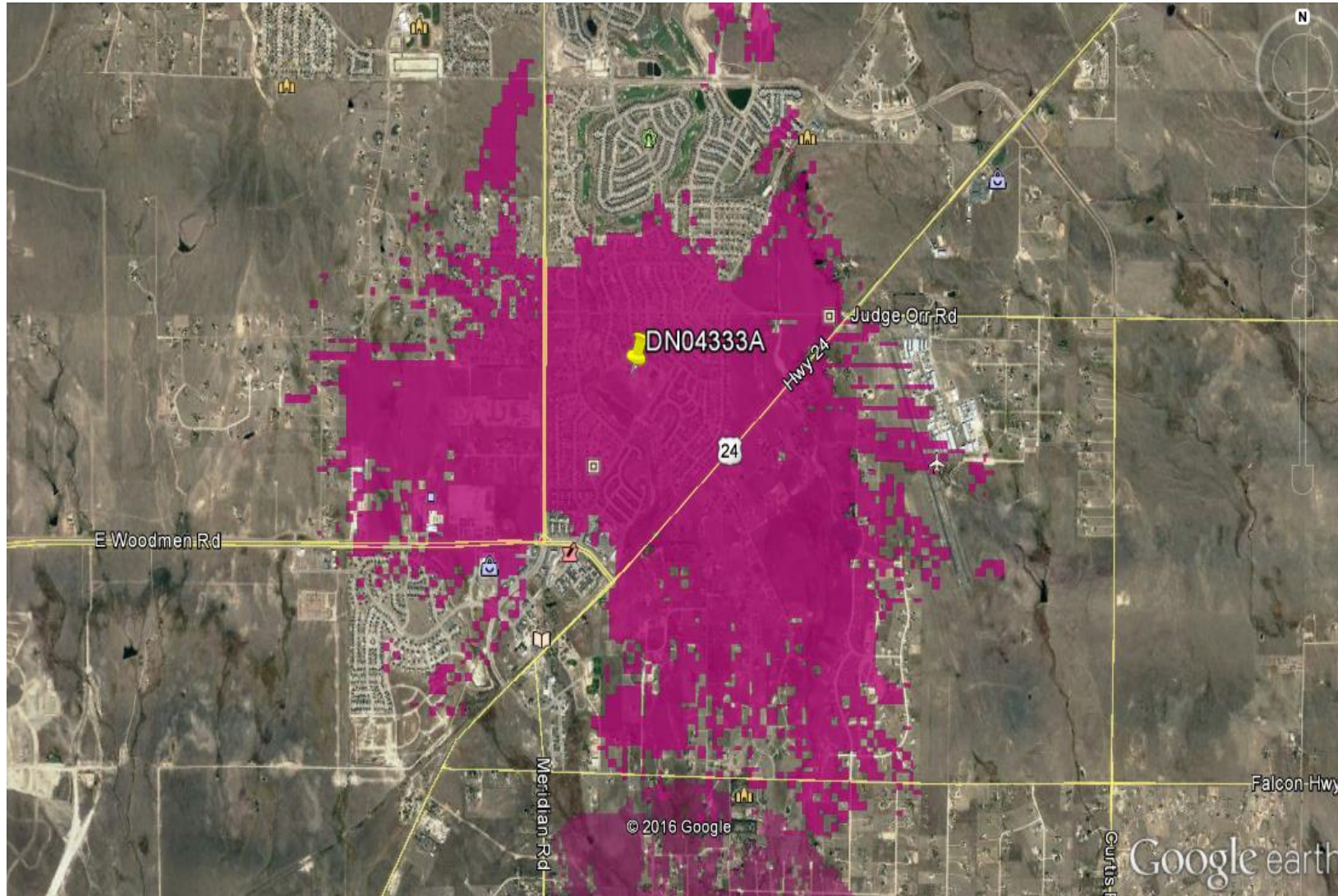


There is improvement in service quality around the proposed site but coverage gaps still exist in the residential areas along Hwy 24.

# PROPOSED T-MOBILE COVERAGE - AT 86' RAD SITE DN04333 WOODMEN ELEMENTARY



Proposed Coverage at 86'



The greater height (86') provides an improved area of service in all directions but the largest area of improvement can be seen along Highway 24 and adjacent residential neighborhoods near Meridian Road.