



# PLANSOURCE

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## **SHENANDOAH RIDGE DEVELOPMENT - 3D MODEL AND VIEW SHED SIMULATION**

Shenandoah Ridge is a proposed residential subdivision to be located at the Western edge of a small, but growing community in central California.

Plymouth is situated in a hilly, wooded area of the historic "Gold Rush Territory," which is also the focal point of nearly 30 wineries. Citizens and Town officials were concerned about the potential impact of the development on the cherished local scenery, particularly the views of the project as visitors enter the Town from the north and west.

Kendig Keast Collaborative rapidly created a semi-detailed three-dimensional simulation of the project based on the engineer's preliminary plat submittal along with aerial photogrammetry and digital elevation data obtained from Amador County.

After creating a simulated topographic model of the site, KKC superimposed the proposed street layout over the photograph and reshaped the contours of the site to replicate proposed street grading and building pads. The next step was to position tree and landscape elements in the existing woodlands and in new wooded areas proposed by the developer.



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After creating and shaping the simulated subdivision, KKC “populated” the empty lots with houses from its model library, selected and modified to resemble the developer’s proposed dwellings.

Then live video simulations and still image captures were taken at eye-level from paths and strategic points along the entrances. These images documented the fact that eye-level view impacts would be minimal.

For the few areas that would be exposed, KKC recommended minor adjustments to the landscaping plan and the use of a color palette for the dwelling exteriors that would better blend with the surrounding scenery.