

NORTH COUNTY FIRE PROTECTION DISTRICT

Fire Prevention Bureau

315 E. Ivy St. Fallbrook, CA 92028 (760) 723-2010

FUEL MODIFICAION PLAN SCOPE OF WORK

THESE ARE THE TASKS WHICH SHALL BE DONE FOR ANY WILDLAND URBAN INTERFACE PROJECT INVOLVING THE IDENTIFICATION OF THE NEEDED SIZE AND LOCATION OF FUEL MODIFICATION ZONES, AND RECOMMENDATIONS REGARDING NEEDED MODIFICATION WITHIN SUCH ZONES.

- A. Inspect and photograph the site.
- B. Review development maps/plans.
- C. Review any available vegetation and biological/endangered species/ sensitive habitat surveys or studies/ inventories which have been completed
- D. Obtain Fire District requirements for access, secondary access, fire hydrant placement and fire flow for project in question.
- E. Generate computerized BEHAVE fire spread models to determine the vegetation fire risk. Criteria to be utilized is as follows:
 1. Santa Ana Wind Condition (Gavilan Fire Data)
 - a. 20 foot wind speed--NE wind @ 60 MPH
 - b. Air Temp 80 deg. F
 - c. Relative Humidity 10%
 - d. Slope (as noted on site)
 - e. Live Fuel Moisture 60%
 - f. Dead Fuel Moisture 3%
 2. High Pressure Subsidence Condition
 - a. 20 foot wind speed—SW @ 20 MPH
 - b. Air Temp. 100 deg. F
 - c. Relative Humidity 20%
 - d. Slope (as noted on site)
 - e. Live Fuel Moisture 60%
 - f. Dead Fuel Moisture 3%
- F. Determine the necessary location and size of the Fuel Modification Zones, which will need to start at the structure. This will help determine setbacks from property lines.
- G. Recommend the type of vegetation management necessary in each zone
- H. Recommend the type and extent of ignition resistant construction needed. Fuel modification is one component of a systems approach to fire protection, which includes vegetation management, structural protection, access and water.
- I. List the access (roads), hydrant location, and fire flow requirements of the Fire District.
- J. Prepare a Draft Fuel Modification Plan
- K. Submit draft for review