



DEPARTMENT OF FORESTRY AND FIRE PROTECTION

Mendocino Unit
17501 North Highway 101
Willits, CA 95490
(707) 459-7414
Website: www.fire.ca.gov



FIRE SAFETY REGULATIONS APPLICATION PACKAGE
INSTRUCTIONS FOR COMPLETION

To ensure that the California Department of Forestry and Fire Protection (CAL FIRE) can adequately identify which regulations apply to your project and/or respond to your inquiry we ask that you do the following;

- 1) Print neatly IN PEN or type application. Fill in ALL application information.
- 2) Be as thorough as possible within the space provided.
- 3) **Answer all questions-Failure to do so may result in your application being returned.**
- 4) Use the example in helping prepare your site plan on the provided 8-1/2 x 11" graph paper.
- 5) For residential dwellings, garages, and accessory buildings, do not supply architectural drawings, unless the size of the project requires it.
- 6) Subdivisions and parcel splits should include tentative parcel maps.
- 7) Show all existing and proposed roads, driveways, bridges, gates, setbacks, property lines and water systems and indicate distances between all buildings and property lines. Show widths, lengths, and steepness (in % grade) of proposed roads and driveways.
- 8) Make sure you have signed the application and mail or deliver to the address on the front page. Office hours are 8:00 A.M. to 5:00 P.M., Monday through Friday.
- 9) Your application will be held at the Howard Forest CAL FIRE Headquarters Office for pickup or mailed to: (1) The applicant/owner, or (2) Your agent, **PLEASE INDICATE WHICH YOU WOULD PREFER.** *Because of CAL FIRE's response to emergency incidents and other routine responsibilities, please allow up to two weeks for processing your application.*
- 10) *Please make a copy of the completed application (with the attached "Conditions of Approval") for your files before submitting to Mendocino County Planning & Building Services. Contact the CAL FIRE Headquarters Office to Request a Final Inspection when you have **COMPLETED** the criteria outlined in your Conditions of Approval.*



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CAL FIRE File #
To be completed by CAL FIRE

-OFFICE USE ONLY-

STATE FIRE SAFE REGULATIONS APPLICATIONS FORM

Please complete the following and submit to the California Department of Forestry and Fire Protection (CAL FIRE). See the attached Homeowner's Summary of Fire Prevention and Loss Reductions Laws to ensure your plans will meet the requirements. If not, you will be required to propose and submit an exemption (Detailed in Item #19) for the Department's review. Failure to submit a proposed exemption when required will result in delays. CAL FIRE will strive to work with landowners who require an exemption, however, submitting an exemption in itself, does not guarantee it will be accepted by CAL FIRE.

1. Name, Mailing Address and Phone Number of Property Owner:

Three horizontal lines for entering name, address, and phone number.

Phone: _____

2. Name, Mailing Address and Phone Number of Agent representing the Property Owner:

Three horizontal lines for entering name, address, and phone number.

Phone: _____

Mail correspondence to:

Owner OR Agent OR Pick-up at Howard Forest

3. Address/Location of proposed building site:

Three horizontal lines for entering address/location.

APN: _____

CONSERVATION IS WISE-KEEP CALIFORNIA GREEN AND GOLDEN

Is it accessible, gate, locked? If so, gate combination or instructions to access:

4.Type of Project – CHECK ONE

Subdivision

Current acreage before split: _____

Number of new parcels to be created: _____

Acreage of newly created parcels: _____

Use Permit

Describe your project, include dates, times, number of people, roads used or required, etc.

Building Permit

New building, Remodel, Class K, Replacement, Other

_____ Size in square feet of Single Family dwelling, if applicable.

_____ Size in square feet of attached garage, if applicable.

_____ Size in square feet of proposed detached garage, if applicable.

_____ Size in square feet of proposed accessory building(s), if applicable.

_____ Size in square feet of other proposed structure, if applicable.

_____ **TOTAL SQUARE FOOTAGE**

Briefly describe the type of structure you will be building:

5. Yes No -- Is project location map attached showing access to the site?

6. Yes No -- Was the subject parcel created PRIOR to January 1, 1992?

If NO please answer a & b below:

a. Yes No -- Is the structure within ½-mile driving distance of a working fire hydrant?

b. Yes No -- Is the structure within a 5-mile driving distance of a year round fire station?

Set Back Standard- If YES to # 7 and NO to # 8, an exemption will be required.

7. Yes No -- Is the subject parcel 1 acre or larger?

8. Yes No -- Will the proposed structure(s) be 30 ft. or more from ALL property lines?

Road and Driveway Standards -Roads or driveways deviating from the Standards will require an exemption.

9. Yes No -- Will your project require construction of a new road?

If so, how long in feet or miles? _____

If so, what is the maximum grade(%)? _____

10. Yes No -- Will your project require the extension of an existing road?

If so, how long in feet or miles? _____

If so, what is the maximum grade(%)? _____

11. Yes No -- Will your project require construction of a new driveway?

If so, how long in feet or miles? _____

If so, what is the maximum grade(%)? _____

12. Yes No -- Will your project require the extension of an existing driveway?

If so, how long in feet or miles? _____

If so, what is the maximum grade(%)? _____

13. If NO to 9-12 above, Describe the existing road/driveway:

14. Describe the turnout locations, their spacing, and the turnaround or hammerhead "T" related to your project and the standards ensure it meets the required standard or an exemption will be needed.

15. Yes No – Are there existing bridges en route to the proposed project located on your property?

16. Yes No – Will this project require any bridges to be constructed/installed?

Timber and Land Conversion Activities- FOR TIMBER RELATED QUESTIONS, PLEASE CALL 707-459-7440.

17. Yes No -- Will trees be cut and timber products sold, bartered, traded or exchanged?

If YES, may require a harvest permit from CAL FIRE Resource Management.

18. Yes No -- Will timberland be converted to non-timber growing use?

If YES, may require a harvest permit from CAL FIRE Resource Management.

Exemption Request

19. Yes No – Are you requesting any exemptions to the Fire Safe Regulations?

If YES, attach a separate page identifying the applicable section of State Law pertinent to your request, material facts supporting the request, the details of the exemption or mitigation measures proposed, and a map showing the proposed location of the exemption or mitigation measure.

An exemption may be granted only if it is "necessary due to health, safety, environmental conditions, physical site limitations or other limiting conditions such as recorded historical sites" and if it "provides the same overall practical effect as these [fire safe] regulations towards providing defensible space." (Cal. Code Regs., tit. 14, §§ 1270.07, 1271.00.) An exemption may not allow avoidance of the standards. An exemption is an "alternative...that provides mitigation of the problem."

I hereby agree to maintain the property in compliance with the Fire Safe Requirements established in the Public Resources Code Section 4290.

SIGNATURE OF PROPERTY OWNER OR AGENT _____

Print Name

Shoulder: Roadbed or surface adjacent to the traffic lane.

State Board of Forestry (SBOF): A nine member board, appointed by the Governor, which is responsible for developing the general forest policy of the state, for determining the guidance policies of the Department of Forestry and Fire Protection, and for representing the state's interest in federal land in California.

State Responsibility Area (SRA): As defined in the Public Resources Code section 4126-4127; and the California Code of Regulations, Title 14, Division 1.5, Chapter 7, Article 1, Sections 1220-1220.5.

Structure: That which is built or constructed, an edifice or building of any kind, or any piece of work artificially built up or composed of parts joined together in some definite manner.

Subdivision: As defined in Section 66424 of the Government Code.

Traffic lane: The portion of a roadway that provides a single line of vehicle travel.

Turnaround: A roadway, unobstructed by parking, which allows for a safe opposite change of direction for emergency equipment. Design of such area may be a hammerhead/T or terminus bulb.

Turnouts: A widening in a roadway to allow vehicles to pass.

Vertical clearance: The minimum specified height of a bridge or overhead projection above the roadway.

Wildfire: As defined in Public Resources Code Section 4103 and 4104.

1271.05. Distance Measurements

All specified or referenced distances are measured along the ground, unless otherwise stated.

1272.00. Maintenance of Defensible Space Measures

To ensure continued maintenance of properties in conformance with these standards and measures and to assure continue availability, access, and utilization of the defensible space provided for these standards during a wildfire, provisions for annual maintenance shall be included in the development plans and/or shall be provided as a condition of the permit, parcel or map approval.

ARTICLE 2. EMERGENCY ACCESS AND EGRESS

- § 1273.00. Intent
- § 1273.01. Road Width
- § 1273.02. Roadway Surface
- § 1273.03. Roadway Grades
- § 1273.04. Roadway Radius
- § 1273.05. Roadway Turnarounds
- § 1273.06. Roadway Turnouts
- § 1273.07. Roadway Structures
- § 1273.08. One-Way Roads
- § 1273.09. Dead-End Roads
- § 1273.10. Driveways
- § 1273.11. Gate Entrances

1273.00. Intent

Road and street networks, whether public or private, unless exempted under section 1270.02(e), shall provide for safe access for emergency wildland fire equipment and civilian evacuation concurrently, and shall provide unobstructed traffic circulation during a wildfire emergency consistent with Sections 1273.00 through 1273.11.

1273.01. Road Width

All roads shall be constructed to provide a minimum of two ten (10) foot traffic lanes, not including shoulder and striping. These traffic lanes shall provide for two-way traffic flow to support emergency vehicle and civilian egress, unless other standards are provided in this article, or additional requirements are mandated by local jurisdictions or local subdivision requirements.

1273.02. Roadway Surface

Roadways shall be designed and maintained to support the imposed load of fire apparatus weighing at least 75,000 pounds and provide an aggregate base. Project proponent shall provide engineering specifications to support design, if requested by the local authority having jurisdiction.

1273.03. Roadway Grades

The grade for all roads, streets, private lanes and driveways shall not exceed 16 percent.

1273.04. Roadway Radius

(a) No roadway shall have a horizontal inside radius of curvature of less than 50 feet and additional surface width of 4 feet shall be added to curves of 50-100 feet radius; 2 feet to those from 100-200 feet.

(b) The length of vertical curves in roadways, exclusive of gutters, ditches, and drainage structures designed to hold or divert water, shall be not less than 100 feet.

1273.05. Roadway Turnarounds

Turnarounds are required on driveways and dead-end roads. The minimum turning radius for a turnaround shall be forty (40) feet, not including parking, in accordance with the following figure. If a hammerhead/T is used instead, the top of the "T" shall be a minimum of sixty (60) feet in length.

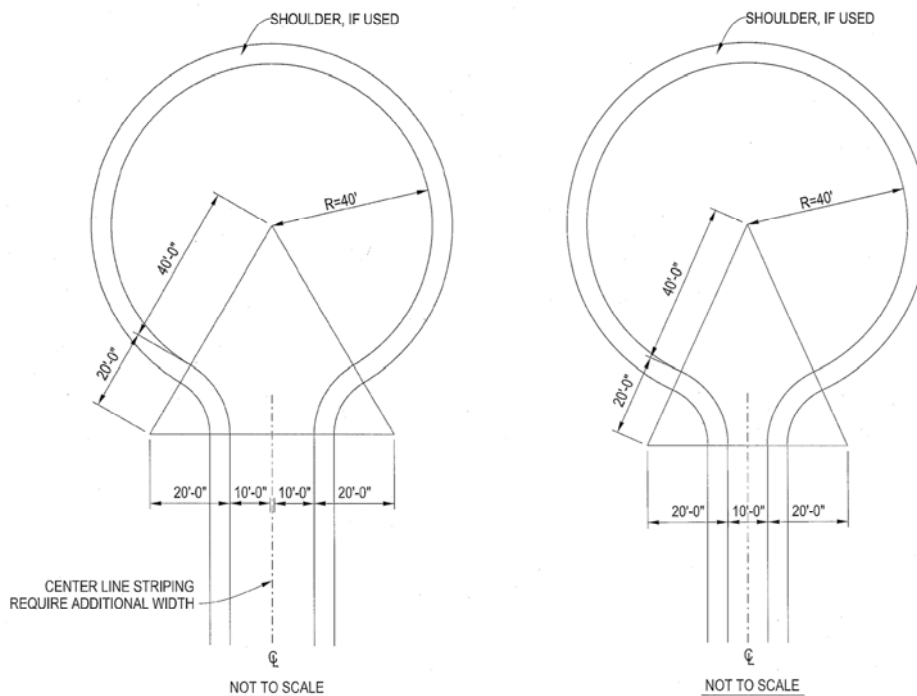


FIGURE FOR 14 CCR § 1273.05. TURNAROUND EXAMPLES

1273.06. Roadway Turnouts

Turnouts shall be a minimum of twelve (12) feet wide and thirty (30) feet long with a minimum twenty-five (25) foot taper on each end.

1273.07. Roadway Structures

(a) All driveway, road, street, and private lane roadway structures shall be constructed to carry at least the maximum load and provide the minimum vertical clearance as required by Vehicle Code Sections 35250, 35550, and 35750.

(b) Appropriate signing, including but not limited to weight or vertical clearance limitations, one-way road or single lane conditions, shall reflect the capability of each bridge.

(c) Where a bridge or an elevated surface is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with the American Association of State and Highway Transportation Officials Standard Specifications for Highway Bridges, 17th Edition, published 2002 (known as AASHTO HB-17), hereby incorporated by reference. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus. Vehicle load limits shall be posted at both entrances to bridges when required by the local authority having jurisdiction. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces which are not designed for such use, barriers, or signs, or both, as approved by the local authority having jurisdiction, shall be installed and maintained. A bridge with only one traffic lane may be authorized by the local jurisdiction; however, it shall provide for unobstructed visibility from one end to the other and turnouts at both ends.

1273.08. One-Way Roads

All one-way roads shall be constructed to provide a minimum, not including shoulders, of one twelve (12) foot traffic lane. The local jurisdiction may approve one-way roads. All one-way roads shall connect to a two-lane roadway at both ends, and shall provide access to an area currently zoned for no more than ten (10) dwelling units. In no case shall it exceed 2,640 feet in length. A turnout shall be placed and constructed at approximately the midpoint of each one-way road.

1273.09. Dead-End Roads

(a) The maximum length of a dead-end road, including all dead-end roads accessed from the dead-end road, shall not exceed the following cumulative lengths, regardless of the numbers of parcels served:

parcels zoned for less than one acre – 800 feet
parcels zoned for 1 acre to 4.99 acres – 1320 feet
parcels zoned for 5 acres to 19.99 acres – 2640 feet
parcels zoned for 20 acres or larger – 5280 feet

All lengths shall be measured from the edge of the roadway surface at the intersection that begins the road to the end of the road surface at the intersection that begins the road to the end of the road surface at its farthest point. Where a dead-end road crosses areas of differing zoned parcel sizes, requiring different length limits, the shortest allowable length shall apply.

(b) Where parcels are zoned 5 acres or larger, turnarounds shall be provided at a maximum of 1320 foot intervals.

(c) Each dead-end road shall have a turnaround constructed at its terminus.

1273.10. Driveways

(a) All driveways shall be constructed to provide a minimum of one (1) ten (10) foot traffic lane and fourteen (14) feet unobstructed horizontal clearance and unobstructed vertical clearance of fifteen (15) feet.

(b) Driveways exceeding 150 feet in length, but less than 800 feet in length, shall provide a turnout near the

midpoint of the driveway. Where the driveway exceeds 800 feet, turnouts shall be provided no more than 400 feet apart.

(c) A turnaround shall be provided to all building sites on driveways over 300 feet in length, and shall be within fifty (50) feet of the building.

1273.11. Gate Entrance

(a) Gate entrances shall be at least two (2) feet wider than the width of the traffic lane(s) serving that gate and a minimum width of fourteen (14) feet unobstructed horizontal clearance and unobstructed vertical clearance of fifteen (15) feet.

(b) All gates providing access from a road to a driveway shall be located at least thirty (30) feet from the roadway and shall open to allow a vehicle to stop without obstructing traffic on that road.

(c) Security gates shall not be installed without approval and where security gates are installed, they shall have an approved means of emergency operation. Approval shall be by the local authority having jurisdiction. The security gates and the emergency operation shall be maintained operational at all times.

(d) Where a one-way road with a single traffic lane provides access to a gated entrance, a forty (40) foot turning radius shall be used.

ARTICLE 3. SIGNING AND BUILDING NUMBERING

- § 1274.00. Intent
- § 1274.01. Size of Letters, Numbers and Symbols for Street and Roads Signs
- § 1274.02. Visibility and Legibility of Street and Road Signs
- § 1274.03. Height of Street and Road Signs
- § 1274.04. Names and Numbers on Street and Road Signs
- § 1274.05. Intersecting Roads, Streets and Private Lanes
- § 1274.06. Signs Identifying Traffic Access Limitations
- § 1274.07. Installation of Road, Street and Private Lane Signs
- § 1274.08. Addresses for Buildings
- § 1274.09. Size of Letters, Numbers and Symbols for Addresses
- § 1274.10. Installation, Location and Visibility of Addresses

1274.00. Intent

To facilitate locating a fire and to avoid delays in response, all newly constructed or approved roads, street, and buildings shall be designated by names or numbers, posted on signs clearly visible and legible from the roadway. This section shall not restrict the size of letters or numbers appearing on street signs for other purposes.

1274.01. Size of Letters, Numbers and Symbols for Street and Roads Signs

Size of letters, numbers, and symbols for street and road signs shall be a minimum 4 inch letter height, .5 inch stroke, reflectorized, contrasting with the background color of the sign.

1274.02. Visibility and Legibility of Street and Road Signs

Street and road signs shall be visible and legible from both directions of vehicle travel for a distance of at least 100 feet.

1274.03. Height of Street and Road Signs

Height of street and road signs shall be uniform county wide, and meet the visibility and legibility standards of this article.

1274.04. Names and Numbers on Street and Road Signs

Newly constructed or approved public and private roads and streets must be identified by a name or number through a consistent countywide system that provides for sequenced or patterned numbering and/or non-duplicating naming within each county. All signs shall be mounted and oriented in a uniform manner. This section does not require any entity to rename or renumber existing roads or streets, nor shall a roadway providing access only to a single commercial or industrial occupancy require naming or numbering.

1274.05. Intersecting Roads, Streets and Private Lanes

Signs required by this article identifying intersecting roads, streets and private lanes shall be placed at the intersection of those roads, streets, and/or private lanes.

1274.06. Signs Identifying Traffic Access Limitations

A sign identifying traffic access or flow limitations, including but not limited to weight or vertical clearance limitations, dead-end road, one-way road or single lane conditions, shall be placed:

- (a) at the intersection preceding the traffic access limitation, and
- (b) no more than 100 feet before such traffic access limitation.

1274.07. Installation of Road, Street and Private Lane Signs

Road, street and private lane signs required by this article shall be installed prior to final acceptance by the local jurisdiction of road improvements.

1274.08. Addresses for Buildings

All buildings shall be issued an address by the local jurisdiction which conforms to that jurisdiction's overall address system. Accessory buildings will not be required to have a separate address; however, each dwelling unit within a building shall be separately identified.

1274.09. Size of Letters, Numbers and Symbols for Addresses

Size of letters, numbers and symbols for addresses shall be a minimum 4 inch letter height, .5 inch stroke, reflectorized, contrasting with the background color of the sign.

Address identification shall be plainly legible and visible from the street or road fronting the property. Addresses shall be Arabic numbers or alphabetical letters. Where access is by means of a private road and the address identification cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the address.

1274.10. Installation, Location and Visibility of Addresses

- (a) All buildings shall have a permanently posted address, which shall be placed at each driveway entrance and visible from both directions of travel along the road. In all cases, the address shall be posted at the beginning of construction and shall be maintained thereafter, and the address shall be visible and legible from the road on which the address is located.
- (b) Address signs along one-way roads shall be visible from both the intended direction of travel and the opposite direction.
- (c) Where multiple addresses are required at a single driveway, they shall be mounted on a single post.
- (d) Where a roadway provides access solely to a single commercial or industrial business, the address sign shall be placed at the nearest road intersection providing access to that site.

ARTICLE 4. EMERGENCY WATER STANDARDS

- § 1275.00. Intent
- § 1275.01. Application
- § 1275.10. General Standards
- § 1275.15. Hydrant/Fire Valve
- § 1275.20 Signing of Water Sources

1275.00. Intent

Emergency water for wildfire protection shall be available, accessible, and maintained in quantities and locations specified in the statute and these regulations, in order to attack a wildfire or defend property from a wildfire.

1275.01. Application

The provisions of this article shall apply in the tentative and parcel map process when new parcels are approved by the local jurisdiction having authority. When a water supply for structure defense is required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction except when alternative methods of protection are provided and approved by the local authority having jurisdiction.

1275.10. General Standards

Water systems that comply with the below standard or standards meet or exceed the intent of these regulations. Water systems equaling or exceeding the National Fire Protection Association (NFPA) 1142, "Standard on Water Supplies for Suburban and Rural Fire Fighting," 2012 Edition, hereby incorporated by reference, and California Fire Code, California Code of Regulations title 24, part 9, shall be accepted as meeting the requirements of this article. Such emergency water may be provided in a fire agency mobile water tender, or naturally occurring or man made containment structure, as long as the specified quantity is immediately available. Nothing in this article prohibits the combined storage of emergency wildfire and structural firefighting water supplies unless so prohibited by local ordinance or specified by the local fire agency. Where freeze protection is required by local jurisdictions having authority, such protection measures shall be provided.

1275.15. Hydrant/Fire Valve

(a) The hydrant or fire valve shall be eighteen (18) inches above grade, eight (8) feet from flammable vegetation, no closer than four (4) feet nor farther than twelve (12) feet from a roadway, and in a location where fire apparatus using it will not block the roadway.

The hydrant serving any building shall:

- (1) be not less than fifty (50) feet nor more than 1/2 mile by road from the building it is to serve, and
- (2) be located at a turnout or turnaround, along the driveway to that building or along the road that intersects with that driveway.

(b) The hydrant head shall be 2 1/2 inch National Hose male thread with cap for pressure and gravity flow systems and 4 1/2 inch draft systems. Such hydrants shall be wet or dry barrel as required by the delivery system. They shall have suitable crash protection as required by the local jurisdiction.

1275.20 Signing of Water Sources

Each hydrant/fire valve or access to water shall be identified as follows:

- (a) If located along a driveway, a reflectorized blue marker, with a minimum dimension of 3 inches shall be located on the driveway address sign and mounted on a fire retardant post, or
- (b) If located along a street or road,
 - (1) a reflectorized blue marker, with a minimum dimension of 3 inches, shall be mounted on a fire retardant post. The sign post shall be within 3 feet of said hydrant/fire valve, with the sign no less than 3 feet nor greater than 5 feet above ground, in a horizontal position and visible from the driveway, or
 - (2) as specified in the State Fire Marshal's Guidelines for Fire Hydrant Markings Along State Highways and Freeways, May 1988.

ARTICLE 5. FUEL MODIFICATION STANDARDS

- § 1276.00. Intent
- § 1276.01. Setback for Structure Defensible Space
- § 1276.02. Disposal of Flammable Vegetation and Fuels
- § 1276.03. Greenbelts

1276.00 Intent

To reduce the intensity of a wildfire by reducing the volume and density of flammable vegetation, the strategic siting of fuel modification and greenbelt shall provide

- (1) increased safety for emergency fire equipment and evacuating civilians by its utilization around structures and roads, including driveways; and
- (2) a point of attack or defense from a wildfire.

1276.01 Setback for Structure Defensible Space

(a) All parcels 1 acre and larger shall provide a minimum 30 foot setback for buildings and accessory buildings from all property lines and/or the center of the road.

(b) For parcels less than 1 acre, the local jurisdiction shall provide for the same practical effect.

1276.02 Disposal of Flammable Vegetation and Fuels

Disposal, including chipping, burying, burning or removal to a landfill site approved by the local jurisdiction, of flammable vegetation and fuels caused by site development and construction, road and driveway construction, and fuel modification shall be completed prior to completion of road construction or final inspection of a building permit.

1276.03 Greenbelts

Subdivision and other developments, which propose greenbelts as a part of the development plan, shall locate said greenbelts strategically, as a separation between wildland fuels and structures. The locations shall be approved by the local authority having jurisdiction and may be consistent with the CAL FIRE Unit Fire Management Plan or Contract County Fire Plan.