

## **ARTICLE 9.00**

### **R-4 FOREST RESIDENTIAL ZONE**

#### **9.01 PURPOSE**

The Forest Residential Zone is intended to provide areas suitable and desirable for small acreage forest uses and seasonal or full-time living opportunities.

#### **9.02 PERMITTED USES**

The following uses are permitted outright in an R-4 Zone:

1. Any use permitted outright in an R-1 Zone.

#### **9.03 CONDITIONAL USES**

The following uses may be established in an R-4 Zone subject to the approval of the Planning Commission:

1. Utility facilities necessary for public service including, but not limited to, substations, power generating facilities for public use and sale, and/or other related structural uses.
2. Commercial activities that are in conjunction with forest use.
3. Private parks, playgrounds, hunting and fishing preserves and campgrounds.
4. Parks, playgrounds, or community centers owned and operated by a governmental agency or a nonprofit community organization.
5. Golf courses.
6. Churches.
7. Public or private schools.
8. Personal use airport for airplanes and helicopter pads, including associated hangar, maintenance and service facilities.
9. Single-family dwellings not provided in conjunction with forest use may be established subject to finding that the dwelling:

- A. Is compatible with forest uses as defined and is consistent with the intent and purpose set forth in Oregon Agricultural Land Use Policies in ORS 215.243.
  - B. Does not interfere seriously with accepted forest practices as defined on adjacent lands.
  - C. Does not materially alter the stability of the overall land use pattern which could establish a trend for the area.
  - D. Is situated upon generally unsuitable land for the production of timber and farm crops and livestock, considering the terrain, adverse soils or land conditions, drainage and flooding, vegetation, location and size of the tract.
  - E. Does not interfere with open space values.
  - F. Complies with such other conditions as the governing body considers necessary.
10. Home occupation subject to standards in 21.07 2.
11. A facility for the primary processing of forest products, provided that such facility is found to not seriously interfere with accepted farming or forest practices and is compatible with farm and forest uses as defined. Such a facility may be approved for a one year period which is renewable. These facilities are intended to be only portable or temporary in nature. The primary processing of a forest product, as used in this section, means the use of a portable chipper or stud mill or other similar methods of initial treatment of a forest product in order to enable its shipment to market. Forest products, as used in this section, means timber growth upon a parcel of land or contiguous land where the primary processing facility is located.
12. Aggregate, mineral, or other resource exploration, mining, and processing.
13. Operations conducted for the mining and processing of geothermal resources.
14. The boarding of horses for profit.
15. A site for the disposal of solid waste with equipment, facilities or buildings necessary for its operation.

#### **9.04 MINIMUM LOT SIZE**

The minimum lot size for new lots or parcels in the R-4 Zone shall be 10 acres.

## **9.05 DEVELOPMENT STANDARDS**

The following standards shall apply to all development in an R-4 Zone:

1. All structures are subject to Site Plan Requirements in accordance with Section 20.10
2. All structures shall be set back from property lines a minimum of 20-feet front and rear yards and 10-feet side yards.

## **9.06 FIRE SITING STANDARDS**

The following standards shall apply to all development in an R-4 Forest Residential Zone. Fire siting standards (items 5-11) shall apply only to new dwellings and related structures in the R-4 Zone where the predominant use is forestry [OAR 660-06-055(3)] and where dwellings are on rangeland within one quarter mile of forest land areas.

1. Signs shall be limited to the following:
  - A. All off-premise signs within view of any State Highway shall be regulated by State regulation under ORS Chapter 377 and receive building permit approval.
  - B.. All on premise signs shall meet the Oregon Administrative Rule regulations for on premise signs which have the following standards:
  - C. Maximum total sign area for one business is 8% of building area plus utilized parking area, or 2,000 square feet, whichever is less.
  - D. Display area maximum is 825 square feet for each face of any one sign, or half the total allowable sign area, whichever is less.
  - E. Businesses which have no buildings located on the premises or have buildings and parking area allowing a sign area of less than 250 square feet may erect and maintain on-premises signs with the total allowable area of 250 square feet, 125 square feet maximum for any one face of a sign.
  - F. Maximum height of freestanding signs adjacent to interstate highways is 65 feet, for all other highways is 35 feet, measured from the highway surface or the premises grade, whichever is higher to the top of the sign.
  - G. All on premise signs within view or 660 feet of any State Highway shall obtain permit approval from the Permit Unit, Oregon State Highway Division. No sign shall be moving, revolving or flashing, and all lighting shall be directed away from residential use or zones, and shall not be located so as to detract from a motorist's vision except for emergency purposes.

- H. All dwelling addresses shall be uniquely designated in accordance with the Union County Road Naming and Addressing Ordinance (Court Order 1988-03) on signs clearly visible and placed at the intersection of the driveway and named road. Rural address markers provided and installed by the Union County Public Works Department shall not be removed, modified or obstructed.
  - I. Signs identifying pertinent information such as "dead end road", "bridge out", and so forth, shall be appropriately placed as designated by Union County.
  - J. Signs identifying location of a fire-fighting water source and each assess to that source shall be permanently identified and shall indicate whether it is a fire hydrant, a dry hydrant, or another type of water supply.
2. A new dwelling shall be located upon a parcel within a fire protection district or shall be provided with residential fire protection by contract. If the dwelling is not within a fire protection district, the applicant shall provide evidence that the applicant has asked to be included within the nearest such district. If the governing body or the nearest rural fire protection district determines that inclusion within a fire protection district or contracting for residential fire protection is impracticable, the applicant shall provide an alternate means of protecting the dwelling from fire hazards. The means selected shall include a fire sprinkling system, on site equipment and water storage or other methods which are reasonable, given the site conditions. The applicant shall provide verification from the Water Resources Department that any permits or registrations required for water diversion or storage have been obtained or that permits or registrations are not required for the use. Road access shall be provided to within 15 feet of the water's edge for firefighting pumping units. The road access shall accommodate the turnaround of firefighting equipment during the fire season. Permanent signs shall be posted along the access route to indicate the location of the emergency water source.

In addition to the domestic water source, emergency water storage for dwellings in forested areas during Department of State Forestry designated fire season shall have a minimum capacity of 500 gallons (year-round source) inside rural fire protection districts, 1000 gallons in an enclosed container outside rural fire protection districts or 4,000 gallons for open water impoundments outside rural fire protection districts, with a 20 gallon per minute pump and an adequate length of hose and nozzle or an equivalent supply. A gravity flow system, gas powered pump or generator shall be provided in case of a power failure. Property owner/developer shall document each water source and provide that documentation to the appropriate fire protection agency.

3. Access and Evacuation

- A. Road Construction – All public and private roads shall be constructed to Union County Zoning, Partition and Subdivision Ordinance Section 25.09, Table 7-2 standards; and
- (1) Public Roads, bridges, culverts, road surfaces and other structures in the roadbed shall be constructed and maintained to support a gross vehicle weight of 80,000 pounds.
  - (2) Private Roads, bridges, culverts, road surfaces and other structures in the roadbed shall be constructed and maintained to support a gross vehicle weight of 50,000 pounds.
  - (3) No public or private road shall be constructed with a curve radius of less than 48 feet, measured from the centerline.
  - (4) A vertical clearance of 14 feet 6 inches.
  - (5) Driveways in excess of 200 feet long require 20 feet wide by 40 feet long turnouts at a maximum spacing of 1/2 the driveway length or 400 feet, whichever is less.
  - (6) Dead-end roads over 100 feet in length shall have turnarounds of not less than 48 feet radius or where appropriate, a hammerhead turnaround.
  - (7) Road grades shall not exceed an average of 8% with a maximum of 12% on short pitches, except that Union County shall permit steeper grades where they can be reasonably mitigated and agreed upon by the appropriate fire department or rural fire protection district.

4. Defensible Space

- A. Fuel Load Reduction – Each residential dwelling or structure in forested areas shall maintain a defensible space of not less than 30-feet.
- B. Ground Fuel – Dead and down material shall be removed. Ground fuel within the defensible space shall be treated (mowed, mulched, converted to compost, etc.) or removed annually or more frequently as directed by the Oregon Department of Forestry.
- C. Thinning and Pruning – Live vegetation within the defensible space shall have all dead material removed and shall be thinned and pruned to reduce fire intensity and rate of spread.
- D. Dead Trees – Dead trees within a dwelling's defensible space shall be removed.

- E. Ladder Fuels – No ornamental shrubbery, single species trees or similar plants shall provide means of rapidly transmitting fire from native growth to structures. Vegetation under trees, within the defensible space, shall be maintained at a height that will preclude it functioning as a "ladder" for fire to travel from ground vegetation into the tree crown.
  - F. Landscaping – Where landscaping is desired, the applicant may choose from a recommended list of recognized fire resistant vegetation, found in the Fire Resistant Plants for Home Landscapes.
  - G. Secondary Fuel Breaks – The applicant for a dwelling within a predominantly forested area or within ¼ mile of a predominantly forested area shall contact Oregon Department of Forestry or the applicable Rural Fire Protection District to determine whether it is necessary to establish a secondary fuel break. If required, a secondary fuel break extending a minimum of 100 feet in all directions is required to reduce fuels so that the overall intensity of any wildfire would be lessened. Vegetation within the secondary fuel break shall be pruned and spaced. Small trees, brush and dead fuels underneath and around larger trees shall be removed.
  - H. Secondary Fuel Break Maintenance – If the Oregon Department of Forestry or applicable Rural Fire Protection District determines a secondary fuel break is necessary in addition to the defensible space, the property owner shall maintain the fuel modification outside of the defensible space. If the property owner does not permanently reside on the property, then the property owner shall arrange for annual secondary fuel break maintenance.
  - I. Defensible Space Maintenance – The property owner shall maintain a defensible space of 30 feet around the primary dwelling. If the property owner does not permanently reside on the property, then the property owner shall arrange for annual defensible space maintenance.
  - J. Location – The dwelling shall not be sited on a slope of greater than 40 percent. New dwellings located closer than 30 feet to a vegetated slope may require special mitigation measures as recommended by an Oregon Department of Forestry Forester. Wider breaks, called secondary fuel breaks, may be required on slopes greater than 30 percent on advice of a State Forester.
5. Design and Construction – All buildings in identified forestland areas or within one quarter mile of a forestland area shall be designed, located and constructed to comply with Oregon's residential building code and with its fire siting standards. In case of conflict between Oregon's residential building code and these fire siting standards, the

more stringent fire protection requirements shall be utilized to mitigate the combustibility of structures exposed to potential wildfire.

- A. Roofing – Only fire-retardant roof covering assemblies rated Class A, B, or C shall be used. Wood shingle and shake roofs are not permitted.
- B. Re-roofing or Roofing Repair of Existing Structures and Dwellings – When 50% or more of the roof covering of any building is repaired or replaced within one year, the roof covering shall be made to comply with these fire siting standards. Ventilation shall be made to comply with Oregon's residential building code.
- C. Attic and Sub-floor Ventilation – All vents shall be screened with a corrosion-resistant, noncombustible wire mesh in accordance with Oregon's residential building code.
- D. Eaves – Eaves shall be boxed in with ½ inch nominal sheathing or noncombustible materials.
- E. Overhanging Projections and Buildings – Porches, decks, patios, balconies, similar undersides of overhangs or the underside of overhanging buildings shall be constructed in accordance with Oregon's residential building code using heavy timber, one-hour fire resistive material or noncombustible material.
- F. Chimneys and Flues – Every fire place and wood/pellet stove chimney and flue shall be provided with an approved spark arrestor constructed of a minimum 12-gauge welded wire or woven wire mesh, with the openings not to exceed ½ inch. Vegetation shall not be allowed within 10 feet of a chimney outlet.
- G. Mobile and Manufactured Homes – shall be skirted with noncombustible materials.