

This is the criteria and supplemental questions designed to help address the required criteria. The applicant may provide any justification to meet the burden of proof.

**Forest Template Dwelling Supplemental Application:  
Coos County Zoning and Land Development Ordinance (CCZLDO)**

SECTION 4.6.100 FOREST AND FOREST MIXED USE – USE TABLES Table 1 identifies the uses and activities in the Forest (F) and Forest/Mixed Use (FMU) zone. The tables describe the use, type of review, applicable review standards. Development shall also comply with Section 4.6.140 Development and Siting Standards. All dwellings and structures are subject to the siting standards found in Section 4.6.130. Exceptions to minimum lot and parcel sizes for the purpose of land division may apply as set out in Section 4.6.145 Land Division for Open Space and Special Assessment, and Section 4.6.145 Exceptions to Minimum Parcel Size. Properties that are located in a Special Development Consideration and/or overlays shall comply with the applicable review process identified by that Special Development Consideration and/or overlay located in Article 4.11.

If a use specifically states Forest Mixed Use only it is not permitted in the Forest Zone. If land is in a zone that allows both farm and forest uses, a dwelling may be sited based on the predominate use of the tract on January 1, 1993.

SECTION 4.6.110 (OAR 660-006-0025) Uses Authorized in Forest Zones (1) Goal 4 requires that forest land be conserved. Forest lands are conserved by adopting and applying comprehensive plan provisions and zoning regulations consistent with the goals and this rule. In addition to forest practices and operations and uses auxiliary to forest practices, as set forth in ORS 527.722, the Commission has determined that five general types of uses, as set forth in the goal, may be allowed in the forest environment, subject to the standards in the goal and in this rule. These general types of uses are: (a) Uses related to and in support of forest operations; (b) Uses to conserve soil, air and water quality and to provide for fish and wildlife resources, agriculture and recreational opportunities appropriate in a forest environment; (c) Locationally dependent uses, such as communication towers, mineral and aggregate resources, etc.; (d) Dwellings authorized by ORS 215.705 to 215.755; and (e) Other dwellings under prescribed conditions.

Use	TR	Subject to
<b>Dwellings authorized by ORS 215.705 to 215.755; and (e) Other dwellings under prescribed conditions.</b>		
63. Template Dwelling (Alternative forestland dwellings ORS 215.750)	ACU	(9)(B)(II), (9)(C)

**(9)(B) DWELLING ON FOREST AND FOREST MIXED USE ZONES -**

(II) Template Dwelling - 215.750 Alternative forestland dwellings; criteria.

- (1) In western Oregon, a governing body of a county or its designate may allow the establishment of a single family “template” dwelling authorized under ORS 215.750 on a lot or parcel located within a forest zone if the lot or parcel is predominantly composed of soils that are:
  - (a) Capable of producing zero to 49 cubic feet per acre per year of wood fiber if:

- (A) All or part of at least three other lots or parcels that existed on January 1, 1993, are within a 160-acre square centered on the center of the subject tract; and
  - (B) At least three dwellings existed on January 1, 1993 and continue to exist on the other lots or parcels.
- (b) Capable of producing 50 to 85 cubic feet per acre per year of wood fiber if:
    - (A) All or part of at least seven other lots or parcels that existed on January 1, 1993, are within a 160-acre square centered on the center of the subject tract; and
    - (B) At least three dwellings existed on January 1, 1993 and continue to exist on the other lots or parcels.
  - (c) Capable of producing more than 85 cubic feet per acre per year of wood fiber if:
    - (A) All or part of at least 11 other lots or parcels that existed on January 1, 1993, are within a 160-acre square centered on the center of the subject tract; and
    - (B) At least three dwellings existed on January 1, 1993 and continue to exist on the other lots or parcels.
  - (d) As used in this section, “center of the subject tract” means the mathematical centroid of the tract.
- (2) The following review standards apply to “template” dwellings approved under this rule:
- (a) Lots or parcels within urban growth boundaries may not be used to satisfy the eligibility requirements under this rule.
  - (b) Except as provided by subsection (c) of this section, if the tract under section (1) of this rule abuts a road<sup>1</sup> that existed on January 1, 1993, the measurement may be made by creating a 160-acre rectangle that is one mile long and one-quarter mile wide centered on the center of the subject tract and that is to the maximum extent possible, aligned with the road.
  - (c) If the:
    - (A) Tract 60 acres or larger described under section (1) of this rule abuts a road or perennial stream, the measurement shall be made in accordance with subsection (b) of this section. However, one of the three required dwellings must be on the same side of the road or stream as the tract, and:
      - (i) Be located within a 160-acre rectangle that is one mile long and one-quarter mile wide centered on the center of the subject tract and that is, to the maximum extent possible aligned with the road or stream; or
      - (ii) Be within one-quarter mile from the edge of the subject tract but not outside the length of the 160-acre rectangle, and on the same side of the road or stream as the tract.
    - (B) Road crosses the tract on which the dwelling will be located, at least one of the three required dwellings shall be on the same side of the road as the proposed dwelling.
  - (d) Notwithstanding subsection (6)(a) of this rule, if the acknowledged comprehensive plan and land use regulations of a county require that a dwelling be located in a 160-acre square or rectangle described in sections (3) and (4) of this rule or subsections (b) or (c) of this section, a dwelling is in the 160-acre square or rectangle if any part of the dwelling is in the 160-acre square or rectangle.

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<sup>1</sup> The statutory definition of “public road” at ORS 368.001(5) is not applicable to approval of a forest template dwelling required by ORS 215.750(5) to be located on a tract that abuts a “road.” Interpretation of a local code requirement that such dwellings be located on a “public road” is controlled by local legislative intent rather than by statute. *Petersen v. Yamhill County*, 33 Or LUBA 584 (1997). The road may be public or private as long as it has been existence and continued to be in existence since January 1, 1993 and meets the following local definition: A public or private way created or intended to provide ingress or egress for persons to one or more lots, parcels, areas, or tracts of land. A road does not include: (a) driveway located exclusively on the same lot, parcel or tract of land as the use it serves; (b) a private way that is created or intended to provide ingress or egress to such land in conjunction with the use of such land exclusively for forestry, mining, or agricultural purposes.

- (3) A proposed “template” dwelling under this rule is allowed only if:
- (a) It will comply with the requirements of an acknowledged comprehensive plan, acknowledged land use regulations, and other provisions of law;
  - (b) It complies with the requirements of OAR 660-006-0029 and 660-006-0035;
  - (c) No dwellings are allowed on other lots or parcels that make up the tract and deed restrictions established under section (5) of this rule for the other lots or parcels that make up the tract are met;
  - (d) The tract on which the dwelling will be sited does not include a dwelling.
  - (e) The lot or parcel on which the dwelling will be sited was lawfully established.
  - (f) Any property line adjustment to the lot or parcel complied with the applicable property line adjustment provisions in ORS 92.192.
  - (g) Any property line adjustment to the lot or parcel after January 1, 2019, did not have the effect of qualifying the lot or parcel for a dwelling under this section; and
  - (h) If the lot or parcel on which the dwelling will be sited was part of a tract on January 1, 2019, no dwelling existed on the tract on that date, and no dwelling exists or has been approved on another lot or parcel that was part of the tract.
- (4) Subsection (1)(d) and (3)(e) through (4) of Section (II) TEMPLATE DWELLING applies:
- (a) On and after November 1, 2021 in Columbia, Coos, Curry, Deschutes, Douglas, Josephine, Linn, Marion, Washington, and Yamhill Counties with following limited exception:
    - (A) Prior to November 1, 2023, the county may allow the establishment of a single-family dwelling on a lot or parcel that was part of a tract on January 1, 2021, if;
      - (i) No more than one other dwelling exists or has been approved on another lot or parcel that was part of the tract; and
      - (ii) The lot or parcel qualifies, notwithstanding subsection (3)(h), for a dwelling under section (1) of this rule.
- (5) When the lot or parcel on which the dwelling will be located is part of a tract, the remaining portions of the tract shall be consolidated into a single lot or parcel and a deed restriction using the form provided in OAR 660-06-027(6), "Exhibit A," shall be completed and recorded with Coos County Clerk. The covenants, conditions and restrictions in the deed restriction:
- (a) The covenants, conditions and restrictions are irrevocable, unless a statement of release is signed by an authorized representative of the county or counties where the property subject to the covenants, conditions and restrictions is located.
  - (b) Enforcement of the covenants, conditions and restrictions may be undertaken by the department or by the county or counties where the property subject to the covenants, conditions and restrictions is located.
  - (c) The failure to follow the requirements of this section shall not affect the validity of the transfer of property or the legal remedies available to the buyers of property that is subject to the covenants, conditions and restrictions required by this section.

The county planning director shall maintain a copy of the covenants, conditions and restrictions filed in the county deed records pursuant to this section and a map or other record depicting tracts do not qualify for the siting of a dwelling under the covenants, conditions and restrictions filed in the county deed records pursuant to this section. The map or other record required by this subsection shall be readily available to the public in the county planning office.

Questions to Answer:

**1. Has your property been involved in a property line adjustment?**

**No. The property existed as a discrete parcel in 1975 prior to planning rules.**

**2. Was your property part of a tract on January 1, 2019? Tract means same ownership as an abutting property.**

**Yes the subject property was a parcel described per Inst. No. 2018-3243, Coos County Deed Records (Tax Lot 100, T26S, R12W, Sec 31). The property was purchased from Jimmie R. Ketchum and Carolyn E. Ketchum. The property to the South which together form a Tract is described per Inst. No. 2001-4795 (Tax Lot 200, T26S, R12W, Sec 31). This property was purchased from Ron Ray Farley and Cynthia Ann Farley.**

**3. Was your property part of a tract on January 1, 2021?**

**Yes the subject property was a parcel described per Inst. No. 2018-3243, Coos County Deed Records (Tax Lot 100, T26S, R12W, Sec 31). The property was purchased from Jimmie R. Ketchum and Carolyn E. Ketchum. The property to the South which together form a Tract is described per Inst. No. 2001-4795 (Tax Lot 200, T26S, R12W, Sec 31). This property was purchased from Ron Ray Farley and Cynthia Ann Farley.**

**4. Did you own abutting property as of January 1, 2021 that contained another dwelling or dwelling authorization? Please list all properties within your ownership that were abutting.**

**Yes Tax Lot 200, as stated above is the residence and home for Shane and Tracy Johnson.**

**5. Do you have a current template map completed?**

**Yes. See attached.**

**a. Which template did you apply and why? (See Section I & II)  
160 acre square, II, c, 1**

**b. How many lots and/or parcels were all or part within the template prior to January 1, 1993? Please list all properties  
11 Parcels of land. T26S, R12W, Sec31A, Tax Lots 102, 200 and 300; T26S, R12W, Sec 31, 300, 400, 500 and 600; T26S, R12W, Sec 30, 1100, 1200 (West of Tax Lot 1300), 1300, and 1200 (East of Tax Lot 1200).**

**c. How many dwellings are located within lots and parcels described above that were sited prior to January 1, 1993? Please list all properties that contain the qualifying dwellings.  
3 Parcels of land. T26S, R12W, Sec 31A, 200 and 300; T26S, R12W, Sec 31, 500.**

**d. Are there any covenants, conditions and restrictions on this property and if so do they specifically prohibit a dwelling? Please provide the restrictions if apply.  
None of record.**

## **Additional evidence and responses to address the criteria?**

### **SECTION 4.6.130 SITING STANDARDS FOR DWELLING AND STRUCTURES IN FOREST ZONES**

The following siting criteria or their equivalent shall apply to all new dwellings and structures in forest and agriculture/forest zones. These criteria are designed to make such uses compatible with forest operations and agriculture, to minimize wildfire hazards and risks and to conserve values found on forest lands. A governing body shall consider the criteria in this rule together with the requirements OAR 660-0060-0035 to identify the building site:

- (1) Dwellings and structures shall be sited on the parcel so that:
  - (a) They have the least impact on nearby<sup>2</sup> or adjoining forest or agricultural lands;
  - (b) The siting ensures that adverse impacts on forest operations and accepted farming practices on the tract will be minimized;
  - (c) The amount of forest lands used to site access roads, service corridors, the dwelling and structures is minimized; and
  - (d) The risks associated with wildfire are minimized.
- (2) Siting criteria satisfying section (1) of this section may include setbacks from adjoining properties, clustering near or among existing structures, siting close to existing roads and siting on that portion of the parcel least suited for growing trees.

**Response shall explain how or why, providing a yes or no will not satisfy the criteria and will result in an incomplete application:**

- (3) The applicant shall provide evidence to the governing body that the domestic water supply is from a source authorized in accordance with the Water Resources Department's administrative rules for the appropriation of ground water or surface water and not from a Class II stream as defined in the Forest Practices rules (OAR chapter 629). For purposes of this section, evidence of a domestic water supply means:
  - (a) Verification from a water purveyor that the use described in the application will be served by the purveyor under the purveyor's rights to appropriate water;
  - (b) A water use permit issued by the Water Resources Department for the use described in the application; or
  - (c) Verification from the Water Resources Department that a water use permit is not required for the use described in the application. If the proposed water supply is from a well and is exempt from permitting requirements under ORS 537.545, the

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<sup>2</sup> For the purpose of this section "Nearby" is defined as within the decision notification area as defined in Section 5.0.900(2) for farm zoned property.

applicant shall submit the well constructor's report to the county upon completion of the well.

**Water Resource Department Information:** <https://www.oregon.gov/owrd/pages/index.aspx>

**Response shall include the source of water and how it is permitted:**

- (4) As a condition of approval, if road access to the dwelling is by a road owned and maintained by a private party or by the Oregon Department of Forestry, the U.S. Bureau of Land Management, or the U.S. Forest Service, then the applicant shall provide proof of a long-term road access use permit or agreement which could include an easement. The road use permit may require the applicant to agree to accept responsibility for road maintenance.

**Response shall include what road the property is accessing, maintenance agreements and easements that pertain to the road. This information may be included in your deed.**

The roadway, maintenance agreement and utility access to the template dwelling site is recorded per Inst. No. 2019-6236. This easement runs from Boones Creek County Road to the subject property. See copy attached per Inst. No. 2019-6236.

- (5) Approval of a dwelling shall be subject to the following requirements:
  - (a) Approval of a dwelling requires the owner of the tract to plant a sufficient number of trees on the tract to demonstrate that the tract is reasonably expected to meet Department of Forestry stocking requirements at the time specified in department of Forestry administrative rules;
  - (b) The planning department shall notify the county assessor of the above condition at the time the dwelling is approved;
  - (c) If the lot or parcel is more than 10 acres in western Oregon or more than 30 acres in eastern Oregon, the property owner shall submit a stocking survey report to the county assessor and the assessor will verify that the minimum stocking requirements have been met by the time required by Department of Forestry rules;
  - (d) Upon notification by the assessor the Department of Forestry will determine whether the tract meets minimum stocking requirements of the Forest Practices Act. If that department determines that the tract does not meet those requirements, that department will notify the owner and the assessor that the land is not being managed as forest land. The assessor will then remove the forest land designation pursuant to ORS 321.359 and impose the additional tax; and
  - (e) The county governing body or its designate shall require as a condition of approval of a single-family dwelling under ORS 215.213, 215.383 or 215.284 or otherwise in a farm or forest zone, that the landowner for the dwelling sign and record in the deed records for the county a document binding the landowner, and the landowner's successors in interest, prohibiting them from pursuing a claim for relief or cause of action alleging injury from farming or forest practices for which no action or claim is allowed under ORS 30.936 or 30.937.

**1. Will sufficient trees be replanted?**

**Yes, they were planted in 2018.**

**2. Is the property more than 10 acres in size? If so, the applicant shall acknowledge a stocking survey will be filed with the County Assessor's Office as a condition of approval.**

**The property is more than 10 acres, a stocking survey shall be submitted to the Coos County Assessor's Office.**

**3. Upon receiving approval, will the applicant/property owner record in the deed records for the county a document binding the landowner, and the landowner's successors in interest, prohibiting them from pursuing a claim for relief or cause of action alleging injury from farming or forest practices for which no action or claim is allowed under ORS 30.936 or 30.937 injury from farming or forest practices for which no action or claim is allowed under ORS 30.936 or 30.937.**

**Yes, draft Deed Declaration (Forest Management Covenant) attached.**

**Additional Response Information:**

**SECTION 4.6.140 DEVELOPMENT AND SITING CRITERIA:**

This section contains all of the development standards for uses (unless otherwise accepted out by a use review) and all of the siting standards for development.

1. Except as provided in subsection 4.6.145 of this ordinance, the following minimum lot or parcel sizes apply for land designated forestland, is at least 80 acres.

Minimum lot size will not affect approval for development unless specified in use. The size of the parcel will not prohibit development as long as it was lawfully created or otherwise required to be a certain size in order to qualify for a use.

2. Setbacks: All Development with the exception of fences shall be set back a minimum of thirty-five (35) feet from any road right-of-way centerline, or five (5) feet from any right-of-way line, whichever is greater.

3. Fences, Hedges and Walls: No requirement, except for vision clearance provisions in Section 7.1.525.

4. Off-Street Parking and Loading: See Chapter VII.
5. Minimizing Impacts: In order to minimize the impact of dwellings in forest lands, all applicants requesting a single family dwelling shall acknowledge and file in the deed record of Coos County, a Forest Management Covenant. The Forest Management Covenant shall be filed prior to any final County approval for a single family dwelling.
6. Riparian Vegetation Protection. Riparian vegetation within 50 feet of a wetland, stream, lake or river, as identified on the Coastal Shoreland and Fish and Wildlife habitat inventory maps shall be maintained except that:
  - a. Trees certified as posing an erosion or safety hazard. Property owner is responsible for ensuring compliance with all local, state and federal agencies for the removal of the tree.
  - b. Riparian vegetation may be removed to provide direct access for a water-dependent use if it is a listed permitted within the zoning district;
  - c. Riparian vegetation may be removed in order to allow establishment of authorized structural shoreline stabilization measures;
  - d. Riparian vegetation may be removed to facilitate stream or stream bank clearance projects under a port district, ODFW, BLM, Soil & Water Conservation District, or USFS stream enhancement plan;
  - e. Riparian vegetation may be removed to site or properly maintain public utilities and road rights-of-way;
  - f. Riparian vegetation may be removed in conjunction with existing agricultural operations (e.g., to site or maintain irrigation pumps, to limit encroaching brush, to allow harvesting farm crops customarily grown within riparian corridors, etc.) provided that such vegetation removal does not encroach further into the vegetation buffer except as needed to provide an access to the water to site or maintain irrigation pumps; or
  - g. The 50 foot riparian vegetation setback shall not apply in any instance where an existing structure was lawfully established and an addition or alteration to said structure is to be sited not closer to the estuarine wetland, stream, lake, or river than the existing structure and said addition or alteration represents not more than 100% of the size of the existing structure's "footprint".
  - h. Riparian removal within the Coastal Shoreland Boundary will require a conditional use. See Special Development Considerations Coastal Shoreland Boundary.
  - i. The 50' measurement shall be taken from the closest point of the ordinary high water mark to the structure using a right angle from the ordinary high water mark.
7. All new and replacement dwellings and permanent structures shall, at a minimum, meet the following standards.
  - a. The dwelling has a fire retardant roof.



- b. The dwelling will not be sited on a slope of greater than 40 percent. Slope<sup>3</sup> will also determine additional firebreak in Section 8 Firebreak.
- c. Evidence is provided that the domestic water supply is from a source authorized by the Water Resources Department and not from a Class II stream as designated by the State Board of Forestry.
- d. The dwelling is located upon a parcel within a fire protection district or is provided with residential fire protection by contract. If the dwelling is not within a fire protection district, the applicant provides evidence that the applicant has asked to be included in the nearest such district or contract with a private fire protection company.
- e. For dwellings and structures outside of a fire protection district alternative forms of fire protections will apply to the develop including fire sprinkling system, on-site equipment and water storage.
  - i. Water storage shall be a swimming pool, pond, lake or similar body of water that at all times contains at least 4,000 gallons or a stream that has a minimum flow of at least one cubic foot per second. Road access shall be provided to within 15 feet of the water's edge for fire-fighting pumping units, and the road access shall accommodate a turnaround for fire-fighting equipment. The access to the water source shall be marked with signs for fire water sources.
- f. If the dwelling has a chimney or chimneys, each chimney has a spark arrester.
- g. The owner provides and maintains primary fuel-free break and secondary break areas on land surrounding the dwelling that is owned or controlled by the owner and complies with Section 8 Firebreak.

8. Firebreak:

- a. The property owner shall maintain a primary firebreak safety zone around all structures. Vegetation within this primary safety zone may include mowed grasses, low shrubs (less than ground floor window height), and trees that are spaced with more than 15 feet between the crowns and pruned to remove dead and low (less than 8 feet from the ground) branches. Accumulated needles, limbs and other dead vegetation should be removed from beneath trees.
- b. Sufficient garden hose to reach the perimeter of the primary safety zone shall be available at all times.
- c. The owners of the dwelling shall maintain a primary fuel-free break area surrounding all structures and clear and maintain a secondary fuel-free break on land surrounding all structures and clear and maintain a secondary fuel-free break area on land surrounding the dwelling that is owned or controlled by the owner in

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<sup>3</sup> Slope calculations must include the primary and additional fuel-free breaks. Staff will use the slopes from the soil data found in the Soil Survey of Coos County Oregon<sup>3</sup> published by United States Department of Agriculture, Soil Conservation Service, in cooperation with Oregon Agricultural Experiment Station. Staff will accept an on ground study for slope from an Registered Surveyor or other Registered Professional that is able to make calculations based on the profession licensing requirements.

accordance with the provisions in “Recommended Fire Siting Standards for Dwellings and Structures and Fire Safety Design Standards for Roads” dated March 1, 1991, and published by Oregon Department of Forestry and shall demonstrate compliance with Table 1.

- d. Proof that all of these items will be met include proof of the slope to determine additional firebreak setbacks is required.

*Table 1 – Minimum Primary Safety Zone*

Slope	Feet of Primary Safety Zone	Feet of Additional Primary Safety Zone Down Slope
<b>0%</b>	<b>30</b>	<b>0</b>
<b>10%</b>	<b>30</b>	<b>50</b>
<b>20%</b>	<b>30</b>	<b>75</b>
<b>25%</b>	<b>30</b>	<b>100</b>
<b>40%</b>	<b>30</b>	<b>150</b>

- 9. All new and replacement structures shall use non-combustible or fire resistant roofing materials, as may be approved by the certified official responsible for the building permit.
- 10. Access to new dwellings shall meet road and driveway standards in Chapter VII.

**RESPONSE TO SECTION 4.6.140**

- 1. **Is the property a legal unit of land? Please provide reference to how it was created.**  
The property was originally deeded out in 1969 per Deed Ref 69-9-41941. See attached.
- 2. **Will the applicant meet the road setback (shall be shown on plot plan)?**  
Yes, the dwelling site is 1500 feet from Boones Creek County Road.
- 3. **Will a Fence, Hedge and/or Wall be developed at this time? If so will it comply with the vision triangle?**  
No, there are no plans to build any new fences or other structures along public roads of property lines.
- 4. **Has a driveway/access/parking permit been requested at the time of the application?**  
Yes, contact has been made and culverts are presently being installed per field meeting with John Rowe.
- 5. **Has the applicant acknowledged that they will file in the deed record of Coos County, a Forest Management Covenant prior to receiving a zoning compliance letter? (This shall be done after the conditional use is approved, but before a zoning clearance letter is issued. A**

**Forest Management Covenant cannot be filed if the conditional use has not been approved but a draft may be submitted with the application.)**

**Yes, a draft copy is attached.**

- 6. Has the applicant shown any waterways that require a 50 feet setback and if so will the setback be met?**

**Yes, Boones Creek is shown on the Plot Plan. The dwelling site is 600 feet away from said stream.**

- 7. Fire related questions:**

- a. The proposed dwelling shall use non-combustible or fire resistant roofing materials. Describe the materials that will be used**

**The roofing shall be metal.**

- b. What is the slope of the property on average and where the dwelling will be located? The average slope of the property is 30% along the slopes East and West of Boones Creek. The Boones Creek bottom land is flat and averages over 150 feet. The ground slopes to the West of the building site is -20 to -30%, but some broken ground goes up to -40% which was held for the secondary fire break. The area East of the dwelling site is +20%. Studied by Clyde F. Mulkins, LS2006.**

- c. What evidence is provided that the domestic water supply is from a source authorized by the Water Resources Department and not from a Class II stream as designated by the State Board of Forestry?**

**The water source will be from a drilled well, allowed by the Water Resources Department.**

- d. Is the property within a Fire District and if so which Fire District.**

**Yes, the Sumner RFPD.**

- i. If the property is within a Fire District you shall explain how you have requested to be included in the Fire District with a copy of the request.**

**The property is currently on the tax rolls for this fire protection district.**

- ii. If the property is outside of a Fire District and cannot be served by a Fire District you are required to provide the contract with a private fire protection company.**

**N/A.**

- iii. For dwellings and structures outside of a fire protection district alternative forms of fire protections will apply to the develop including fire sprinkling system, on-site equipment and water storage. Include on the plot plan water storage and access to meet the following standards:**

- 1. water storage shall be a swimming pool, pond, lake or similar body of water that at all times contains at least 4,000 gallons or a stream that has a minimum flow of at least one cubic foot per second.**
- 2. Road access shall be provided to within 15 feet of the water's edge for fire-fighting pumping units, and the road access shall accommodate a turnaround for fire-fighting equipment. The access to the water source shall be marked with signs for fire water sources.**

**N/A.**

- e. Does the proposed dwelling have a chimney and if so will a spark arrester be installed?

Yes, a spark arrester will be installed.

**8. Firebreak Safety:**

- a. **The property owner shall maintain a primary firebreak safety zone around all structures. Vegetation within this primary safety zone may include mowed grasses, low shrubs (less than ground floor window height), and trees that are spaced with more than 15 feet between the crowns and pruned to remove dead and low (less than 8 feet from the ground) branches. Accumulated needles, limbs and other dead vegetation should be removed from beneath trees. This information shall be included on the plot plan and described how you intend to maintain this firebreak.**

See Plot Plan. The fire break will be maintained by mowing the grass and raking the cuttings, and gathering the prunings and debris accumulated from caring for the trees and shrubs.

- b. **On the plot plan provide a diagram of where the garden hose will be located and describe the length that will allow it to reach the perimeter of the primary safety zone shall be available at all times.**

See the Plot Plan. Approximately 120 feet of garden hose will reach the primary fire break perimeter.

- c. **Additional Primary Safety Zone Down Slope will be required based on the slope of the property. What is the slope of the property? If the slope differs from the soil report explain and provide evidence to show how the slope was determined. If additional safety zones are required based on the slope table you will need to show them on the plot plan.**

The average slope of the property is 30% along the slopes East and West of Boones Creek. The Boones Creek bottom land is flat and averages over 150 feet. The ground slopes to the West of the building site is -20 to -30%, but some broken ground goes up to -40% which was held for the secondary fire break. The area East of the dwelling site is +20%. Studied by Clyde F. Mulkins, LS2006.

**Additional evidence and responses to address the criteria?**