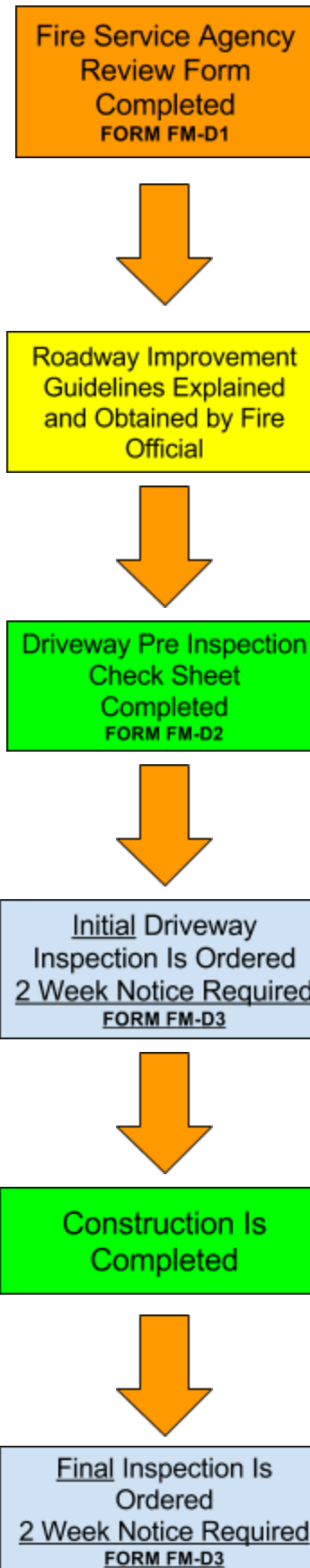


COLUMBIA COUNTY FIRE SERVICES

Typical Order and Flow
For Roadway Inspection





Columbia County Land Development Services

230 Strand, St. Helens, OR 97051
Phone: 503-397-1501 Inspection Request: 1-888-299-2821

FIRE SERVICE AGENCY REVIEW

TO THE APPLICANT: Take this form to the Structural Fire Service Provider * that serves your property along with the following (please check off items below):

- A site plan drawn to scale showing the subject property, its improvements, location of fire hydrants and driveway information;
- A floor plan of the proposed development; and
- A fire flow report from your water purveyor (if applicable)

After the fire official signs this form, include it with your building permit application material. See Fire Code Application Guide for fire-related access standards and fire flow information.

**If your property is not served by a structural fire service provider, your project is to be reviewed by the appropriate building official serving your property.*

*The structural Service Providers in Columbia County are: **Clatskanie Fire District, Columbia River Fire & Rescue, Mist-Birkenfeld Fire District, Scappoose Fire District and Vernonia Fire District.***

Address of Site: _____

Map & Tax Lot or Tax account number: _____

Description of Proposed Use: _____

Total Square Footage of Building (including roof projections & eaves): _____

Applicant Name: _____ Phone: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____ Email: _____

STRUCTURAL FIRE SERVICE AGENCY REVIEW

Fire Agency completing this form: _____ Date of Review: _____

Please check applicable box:

- The subject property is located within our service boundaries or is under contract.
- The subject property is outside of our service boundaries and will not be providing fire protection services via contract. (Additional review is not needed.)

**** Access Review by Structural Fire Service Agency Providing Service ****

- The proposed development is in compliance with the fire apparatus access standards of the Oregon Fire Code standards as implemented by our agency.
- The following access improvements must be completed prior to issuance of the Certificate of Occupancy.

See Attached Driveway Form

- The proposed development is **not** in compliance with the adopted Fire Service Agency's access standards. The proposed building/structure is required to have a fire sprinkler system installed in compliance with Section 903.3.1.3 (NFPA 13D) of the Oregon Fire Code.

Fire Official: Please sign or stamp the presented Site plan & floor plan and attach it to this form.

Signature & Title of Fire Official

STRUCTURAL FIRE SERVICE AGENCY REVIEW, CONTINUED.

**** Fire Flow by Structural Fire Service Agency Providing Service ****

FIRE SERVICE AGENCY-PLEASE CHECK APPROPRIATE BOX BELOW

- The structure, building or addition is exempt from the fire flow standards of the OFC B-105.2.
- The proposed non-commercial structure **is less than 3600 sq. ft. (including all levels and the horizontal projections of the roof)** and there **is** 1000 gallons per minute of fire-flow available at 20 psi from public water lines. No mitigation measures are necessary.
- The proposed non-commercial **structure is more than 3600 sq. ft. (including all levels and the horizontal projections of the roof)** and the fire-flow & flow duration at 20 psi is available from public water lines or private well or static water source and is in compliance with minimums specified in Appendix B, Table B105.2 of the Oregon Fire Code. No mitigation measures are necessary.
- The existing fire-flow & flow duration available from public water lines, private well or static water source is not adequate to serve the proposed non-commercial structure in compliance with Appendix B of the Oregon Fire Code. The following mitigation measures are necessary * and must be installed prior to occupancy or use of the structure.
 - A monitored fire alarm must be installed
 - A class A or non-combustible roof materials must be installed.
 - Defensible space of 30 feet around the structure/building/addition.
 - Defensible space of 100 feet around the structure/building/addition due to slopes greater than 20%.
 - A fire sprinkler system meeting Section 903.3.1.3 (NFPA 13D) of the Oregon Fire Code shall be installed.
 - Other: _____

*The above required structural features are required by the Oregon Fire Code and shall be shown clearly on all building plans.

918-480-0125 Uniform Alternate Construction Standards for One and Two Family Dwellings (attached).

A building official shall give consideration to advice of the State Fire Marshal or local fire official that does not conflict with this rule, but shall retain the authority to make final decisions. Decisions to consider a Uniform Alternate Construction Standard and the selection of one or more Uniform Alternate Construction Standards by a building official are final. Prepare and sign a letter for a Alternate Construction Standard to submit with your building plans for consideration to the Building Official prior to permit issuance and after Fire Official determination.

Commercial / Industrial Buildings & Uses.

- The minimum fire flow and flow duration is available from public water lines or private well as Specified in Appendix B, Table B105.2. No mitigation measures are required.
- The minimum fire flow & flow duration is not available from public water lines or private well As specified in Appendix B, Table B105.2. The following mitigation measures are required:

Signature & Title of Fire Official

To the Fire Official:

- Land Use Planning has determined that the proposed building will qualify as an Exempt Farm Structure and the property owner has indicated that the building will be used solely for farm purposes and they intend on using the provision under ORS 455.315 and will not be obtaining a building permit for its construction.

Columbia County Land Use Planning

918-480-0125

Uniform Alternate Construction Standard for One and Two Family Dwellings

(1) For lots of record created on or after July 2, 2001, if the building official intends to allow one or more of the Uniform Alternate Construction Standards at the time of building permit application, triggered by fire official determinations of inadequate apparatus access or water supply, the building official must:

(a) Provide at least a general notification of the intent to allow such Uniform Alternate Construction Standards; and

(b) Provide such notification in conjunction with the approval of a land use application under ORS 197.522.

(2) The building official, acting in conformance with these rules, may choose to apply one or more Uniform Alternate Construction Standards after a determination by a fire official with authority over water supply and apparatus access, that the water supply, apparatus access, or both are inadequate at a site. A building official shall give consideration to advice of the State Fire Marshal or local fire official that does not conflict with this rule, but shall retain the authority to make final decisions. Decisions to consider a Uniform Alternate Construction Standard and the selection of one or more Uniform Alternate Construction Standards by a building official are final.

(3) A Uniform Alternate Construction Standard is not a Statewide Alternate Method.

(4) Uniform Alternate Construction Standards for One and Two Family Dwellings. Uniform Alternate Construction Standards are limited to one or more of the following fire suppression and fire containment components:

(a) Installation of an NFPA Standard 13D fire suppression system;

(b) Installation of additional layers of 5/8 inch, Type-X gypsum wallboard;

(c) Installation of fire-resistive compartmentalization of dwellings to limit the spread of fire by use of fire-resistant building elements, components or assemblies. Fire-resistance ratings shall be determined in accordance with the **Oregon Structural Specialty Code**;

(d) Installation of fire-resistive exterior wall covering and roofing components; or

(e) Provide fire separation containment in accordance with the default standards as set forth in the Wildland-Urban Interface rules adopted by the Oregon Department of Forestry (see OAR 629-044-1060).

(5) When unique site conditions exist on a lot or when installation of a full NFPA Standard 13D fire

suppression system is impractical due to substantially increased local system development charges, a building official may accept installation of a partial NFPA Standard 13D fire suppression system in conjunction with one or more of the Uniform Alternate Construction Standards listed in subsections (4)(b) through (e) of this rule.

Stat. Auth.: ORS 455.610

Stat. Implemented: ORS 455.610

Hist.: BCD 7-2016(Temp), f. & cert. ef. 6-28-16 thru 12-24-16

COLUMBIA COUNTY FIRE SERVICES
Residential Driveway Pre-Inspection Check Sheet
 (Applicant or Property Owner to Complete)

Owner Name _____ Phone () _____ Email _____

Property Address _____ **OR** Tax Map Number _____

Applicant _____ Phone () _____ Email _____
 (If other than the Property owner)

Total Square Footage of Structure (Including all areas under the roof NFPA 1142) _____

YES NO UNK

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All paperwork identified below has been submitted to the county. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Driveway standards were obtained by (Location or Name of Official)? _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A Plot Plan is attached depicting driveway lengths & location in relation to the structure. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is there an existing driveway that is being used? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is this a new driveway? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the grade within the the applicable standard (< 12% or up to 15% for < 200 feet)? OFC 503.2.7, D103.2 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Does the driveway serve more than one home? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is there a bridge or culvert that is part of the driveway? (If yes, an inspection plan and signage is required) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | For your bridge or culvert; are plans submitted by a design professional? OFC 503.2.6 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Can the driveway sustain a vehicle load of 60,000 pounds? OFC D102.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is your access road subject to runoff damage (Water)? OFC D103.3.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the driveway more than 150 feet in length? (Circle one) Is the roadway gravel or paved? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Has an emergency vehicle turnaround been installed or identified on the plan? OFC 503.2.5 & D103.4 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the driveway more than 400 feet? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | If so, are turnouts installed or depicted on the plot plan (20' wide by 40' long)? County Ordinance |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the roadway 12 feet wide with 4 feet of clearance on each side (20 feet total clearance)? OFC 503.2.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the vertical clearance on all points of the road not less than 13 feet 6 inches? OFC 503.2.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Does the angle of approach and departure meet the requirements of your fire agency? OFC 503.2.8 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is the address posted on the building or access road today? OFC 505 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Will there be a locked gate to access this property? OFC 503.4, 503.6, 506 & D103.5 |

NOTES: _____

Fire Department Official Receiving Form: _____ Date: _____
Form FM-D2

Columbia County
Fire Service Road Improvement Inspection
For Roads over 150 feet in Length

Owner Name _____ Phone () _____ Email _____

Property Address _____ OR Tax Map Number _____

Applicant _____ Phone () _____ Email _____
 (If other than the Property owner)

FIRE SERVICE PERSONNEL AND DRIVEWAY INSPECTORS TO COMPLETE BELOW THIS LINE ONLY

YES NO N/A

- All paperwork identified and complete.
- Is the grade within the applicable standard (Less than 12 % or up to 15% for less than 200 feet)? **OFC 503.2.7 & D103.2**
- Is paving required for this driveway? **County Ordinance**
- Is the driveway over 17%? If so an NFPA 13D system is required. **County Ordinance, OFC 503.2.7 & D103.2**
- If the driveway serve more than one home are address signs posted at the driveway and the house? **County Ordinance**
- If there is a bridge or culvert, Has the weight limit been posted? **OFC 503.2.6**
- Is the roadway subject to runoff? If so, has drainage been mitigated? **OFC D103.3.1**
- Is the driveway more than 400 feet?
- If so, are turnouts installed (20' wide by 40' long)? **County Ordinance**
- Has an emergency vehicle turnaround been installed or identified? **OFC 503.2.5 & D103.4**
- Is the roadway 12 feet wide with 4 feet of clearance on each side (20 feet total clearance)? **County Ordinance & OFC 503.2.1**
- Is the address posted on the building and access road? **OFC 505**
- If there is a locked access is a fire department approved lock or access been installed? **OFC 503.4, 503.6, 506 & D103.5**
- Is the angle of departure or approach within limits? **OFC 503.2.8**
- Is the vertical clearance at 13' 6"? **OFC 503.2.1**
- All turning radius greater than 45 feet on corners & curves of more than 30 degrees? (Gravel required full 20' width) **OFC D103.3**
- If there is a bridge, are the weight limitations posted on the entrance side? **County Ordinance OFC 503.2.6**

Comments and required Improvements: _____

First Inspection Fire Official: _____ Date: _____ Agency: _____

Re-Inspection Fire Official: _____ Date: _____ Agency: _____

Final Inspection Fire Official: _____ Date: _____ Agency: _____

_____ Improvement needed, access not granted

_____ Temporary Access Granted with re-inspection prior to occupancy

_____ The roadway improvements meet the access for fire service equipment.