

11/22/2022

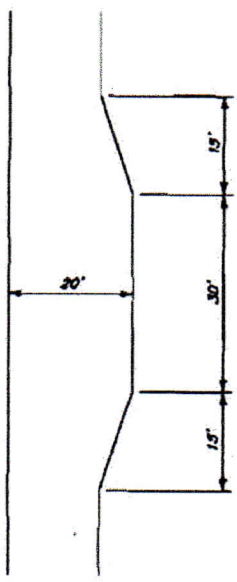
**Bridges and Culverts.**

Bridges and culverts shall be constructed to sustain a minimum gross vehicle weight of 50,000 lbs. and to maintain a minimum 16-foot road width surface or a minimum 12-foot driveway surface. The Planning Director may allow a single-span bridge utilizing a converted railroad flatcar as an alternative to the road and driveway surface width requirements, subject to verification from a engineer licensed in the State of Oregon that the structure will comply with the minimum gross weight standard of 50,000 lbs.

**Road and Driveway Grades.**

Road and driveway grades shall not exceed 16 percent except for short distances when topographic conditions make lesser grades impractical. In such instances, grades up to 20 percent may be allowed for spans not to exceed 100 feet. An applicant must submit information from a Fire Protection District or engineer licensed in the State of Oregon demonstrating that road and driveway grades in excess of eight percent are adequate for the fire fighting equipment of the agency providing fire protection to access the use, fire fighting equipment and water supply.

**VEHICLE PASSAGE TURNOUTS FOR LOCAL ACCESS ROADS AND PRIVATE ROADS/EASEMENTS**



**Vertical distance**  
**Horizontal distance**

$$\% \text{ slope} = \frac{V}{H} \times 100$$

**Use clinometer to obtain percent slope or find H by scaling it off the map. Find V by contour differences.**

**HASTY METHOD: EYESIGHT AND PACE**

**EXAMPLE:**  
 Your height: 1.75m  
 1 pace: .75m

75 paces      125 paces

1.75m  
1.75m

$V = 2 \times 1.75 = 3.5\text{m}$   
 $H = (.75 + 1.25) (.75) = 150\text{m}$

$\% \text{ of slope} = \frac{150}{3.5} \times 100 = 2.3\%$

**NOTE:** Vertical distance and horizontal distance must be in the same units.

**Identification.**

Roads shall be named and addressed in compliance with LC 15.305 through 15.335.

**Driveway Vehicle Passage Turnouts.**

Driveways in excess of 200 feet shall provide for a 20-foot long and eight-foot wide passage space (turn out) with six inches in depth of gravel and at a maximum spacing of 400 feet. Shorter or longer intervals between turnouts may be authorized by the Planning Director where the Director inspects the road and determines that topography, vegetation, corners, or turns obstruct visibility.