



# Entrance Permit Instructions

An Entrance Permit covers construction for new driveways and repair to existing driveways.

## APPLICATION REQUIREMENTS:

- Application Fee.** *(Due when the completed application submitted)*
  - New driveway:
    - \$500 if 150' or more in length
    - \$400 if less than 150' in length
    - \$250 if the driveway is part of a new subdivision review
  - Existing driveway repair/upgrade:
    - \$150
- Entrance Permit Application & Site Plan.**
  - Fill out and submit the completed entrance permit application and site plan to the Transportation Engineering Division. If you have questions, please call Transportation Engineering at 503-742-4691. Submit the fire marshal approval if the driveway is over 150' in total length and serves a structure.
- Preliminary Site Inspection.**
  - A stake is given to the applicant when the entrance permit application is submitted. The stake must be placed where it can be seen from the road and at the center line of the proposed driveway location prior to the preliminary site inspection. If the driveway is in use, the stake should be placed to the right of the driveway.
  - If the driveway is within 15 feet of the side property line(s), the property corner must be staked and marked as such.
- Permit Issuance.**
  - The permit is issued after the preliminary site inspection is approved. The inspector sends the applicant requirements for the access to meet County Roadway Standards and Specifications. Please read through these and contact your inspector if you have any questions.
  - The contractor is required to have a copy of the permit and approved plans on the job site during construction.
  - Keep mud and debris off the traveled portion of the road right of way during construction.
- Timeline.**
  - The driveway shall be completed to the satisfaction of Clackamas County within two years from the date of approval or before the certificate of occupancy (CO) is approved, whichever occurs first. Contact your inspector if you are unable to meet these timelines.
- Inspections.**
  - Schedule an inspection by calling your inspector.
  - When installing a concrete driveways/sidewalks/ramps and/or curbs, a forms inspection is required.
  - After the certificate of occupancy application is submitted to the Department of Transportation and Development, Building Services Division, notify your Engineering inspector for your final site and punch list inspection.



# Entrance Permit Application

For Driveways

Office Use Only:

EP#:

BO#:

### TYPE OF WORK

- New Driveway   
  Extend Existing Driveway   
  New Driveway in a Subdivision   
  Existing Driveway Repair/Upgrade

### JOB SITE INFORMATION AND LOCATION

Site address:

City/State/ZIP:

Legal description: T \_\_\_\_\_ R \_\_\_\_\_ SECTION \_\_\_\_\_ TAX LOT(S) \_\_\_\_\_

**OWNER**       PRIMARY CONTACT

Business name:

Address:

Owner name:

City/State/ZIP:

Email:

Phone:

Cell:

**CONTRACTOR**       PRIMARY CONTACT

Business name:

Address:

Contact name:

City/State/ZIP:

Email:

Phone:

Cell:

CCB lic.:

**FOR LOCATES CALL 811. ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of these rules by calling (503) 232-1987.**

Driveway over 150' length non-new subdivision: **\$500**

Driveway under 150' in length non-new subdivision: **\$400**

New driveway construction in subdivision: **\$250**

Driveway resurface/replacement: **\$150**

*Driveway access must be staked with a marker before the preliminary inspection.*

**CALL YOUR INSPECTOR AT 503-742-4691 FOR ANY QUESTIONS OR REQUESTS FOR DRIVEWAY INSPECTIONS.**

This approach shall be completed to the satisfaction of Clackamas County within two years or before occupancy, whichever occurs first.

Public utilities and other permitted users have the right to occupy the right-of-way, so existing facilities may be encountered. The permittee is required to call 811 for line locates before starting work. The cost of relocating these facilities will be paid by the permittee.

*I certify that I have read and examined this permit application. I agree to build according to the provided description, accompanying plans and specifications, and any other State and local laws regulating the construction within the road right-of-way.*

**Applicant's signature:**

Print name:

Date:

### COUNTY ENGINEERING STAFF USE ONLY

MAP PAGE/SECTION \_\_\_\_\_ RD# \_\_\_\_\_ 2 YR RECHECK DATE \_\_\_\_\_ FILO:  Yes  No

SC#/Comments:

#### PRELIMINARY INSPECTION

#### PRE-PAVING/FORMS INSPECTION

#### FINAL INSPECTION

Date: \_\_\_\_\_

Inspector: \_\_\_\_\_

- Acceptable  
 Non-Acceptable

Note: \_\_\_\_\_

Date: \_\_\_\_\_

Inspector: \_\_\_\_\_

- Acceptable  
 Non-Acceptable

Note: \_\_\_\_\_

Date: \_\_\_\_\_

Inspector: \_\_\_\_\_

- Acceptable  
 Non-Acceptable

Note: \_\_\_\_\_

## DRIVEWAY REQUIREMENTS CHECKLIST FOR INSPECTORS USE ONLY

### Conditions

ENG 101	X	Inspections required
ENG 102	X	See Drawings
ENG 103		Separate Permits are required from other County departments
ENG 104		Separate permits are required from other agencies
ENG 105		Expiration date notice
ENG 107		No culvert required
ENG 108		Install 12" concrete or D.I. culvert pipe w/6" granular bedding
ENG 109		Plastic pipe not allowed. Too shallow.
ENG 110		Plastic pipe w/headwalls - required for PVC, HDPE plastic or CMP
ENG 111		Existing culvert is acceptable
ENG 112		Add gravel over culvert before paving
ENG 113		Extend culvert ends
ENG 114		Clear culvert for positive water drainage
ENG 115		Provide Rip-Rap at the pipe outlet
ENG 116	X	Base rock 6"
ENG 117		Driveway within UGB
ENG 118		Pave - single access point
ENG 119		Pave - both access points
ENG 120		Concrete apron - single access point
ENG 121		Concrete apron - both access points
ENG 122		Remove Driveway
ENG 123		Steep Driveway
ENG 124		Forms inspection for concrete apron
ENG 125		Valley Gutter
ENG 126		Water Bar
ENG 127		Curb and Sidewalk entire frontage
ENG 128		S/W, planter, std curb
ENG 129		S/W, planter, curb & gutter
ENG 130		Curbtight S/W, std curb
ENG 131		Curbtight S/W, curb & gutter
ENG 132		S/W, mountable curbs
ENG 133		Sight distance is adequate
ENG 134		Sight distance is inadequate
ENG 135		Vertical curves interfere with sight distance
ENG 136		Horizontal curves interfere with sight distance
ENG 137		Trim and limb all vegetation with R.O.W. and maintain
ENG 138		Temp Logging access must be removed
ENG 139		Logging access must be blocked
ENG 140		Permanent Logging access must be paved
ENG 141		Emergency access

### Drawings

	C350	Fire District Requirements
	D250	Culvert
	D400	Unpave road
	D500	Paved road
	D600	Curbed rd w/curb tight s/w
	D650	Curbed rd s/w with landscape strip
	D675	High volume - Commercial access
	D700	Water bar
	L100	Tree planting plan
	L200	Street trees
	R100	Private roads
	S100	Type C curb
	S150	Curb & gutter
	S180	Mountable curb
	T300	Sight distance

INSPECTORS COMMENTS /  
ADDITIONAL REQUIRMENTS:

---

Sidewalk width

---

Planter width

---

Y N Street Trees (typically 1 per lot frontage)

---



---



---



---



---



---



---



---



---



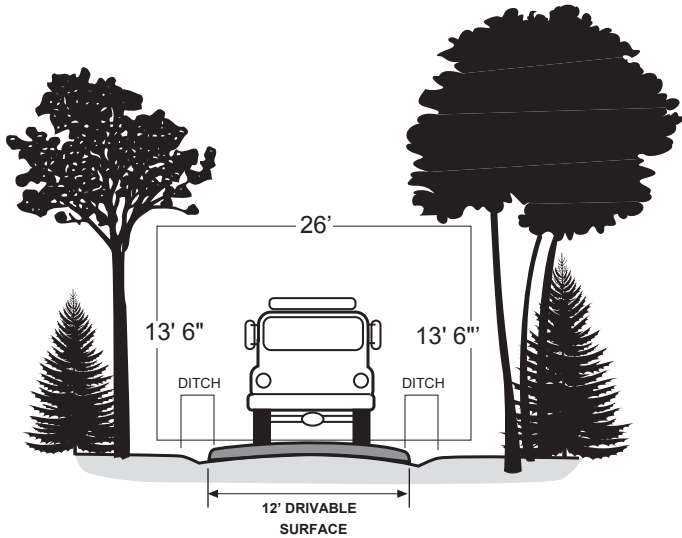
---



---

# Fire District Rural Driveway Access Guide

## Travel width and required clearance



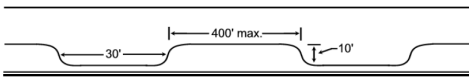
## Grade



With the increase of homes in the rural area, the need for adequate fire district access is ever more critical. The risk of wildfire and other emergency incidents increase with home density. Many existing driveways do not provide the needed access for emergency apparatus. New homes will be expected to fully meet current driveway construction requirements. If the home site is located on sloped property, we recommend you determine site grade and contact your local fire official for input prior to driveway construction. If project requires a private bridge, contact the fire district for design requirements. Existing or planned logging roads are not acceptable for driveway access. If they are to be used for driveway access, they must meet all requirements outlined in this document for driveway access.

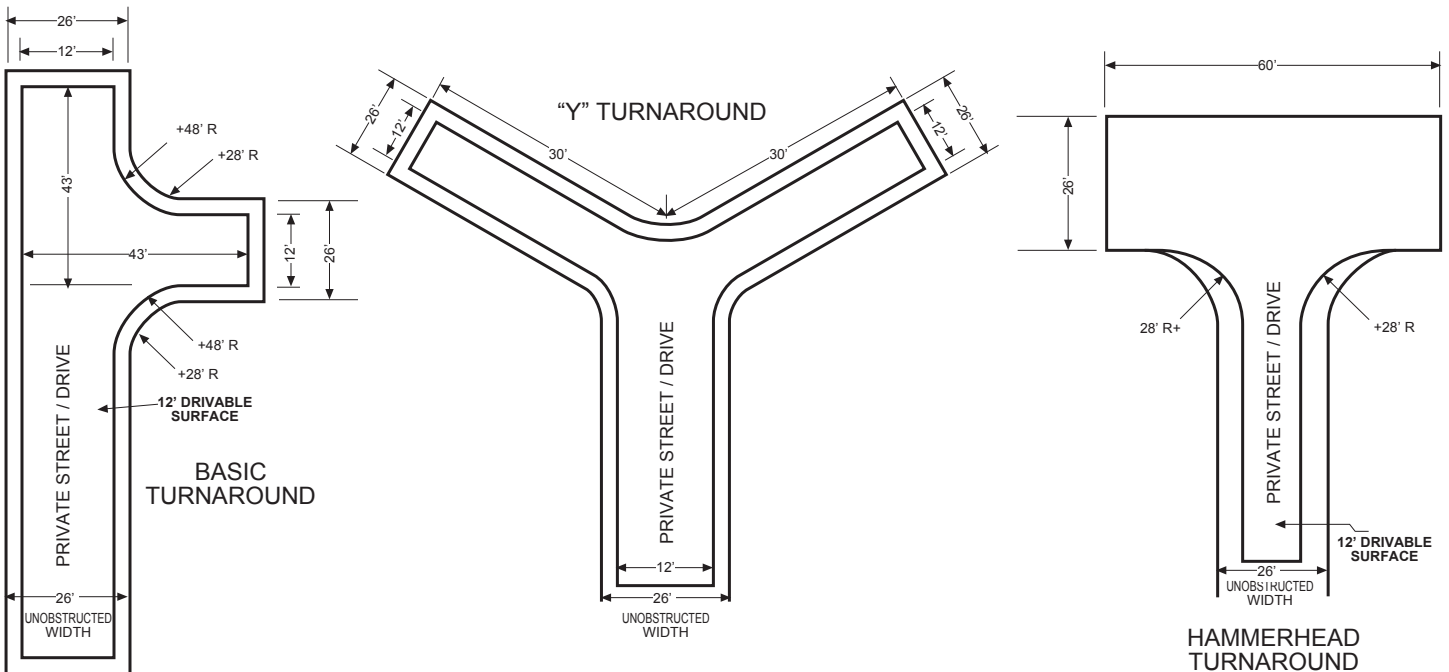
## Turnouts

Turnouts 10 feet wide and 30 feet long are required on any access driveway exceeding 400 feet in length.



## Turnarounds

Access driveways over 200 feet in length shall provide one of the following turnarounds at the end of the driveway or alternate design as approved by the fire district.



## Address Signs

Permanent address sign(s) must be installed at the base of the driveway. Address signs shall be posted in a position to be plainly visible and legible from the direction of approach. Numbers shall be 3" in height and contrast with their background. Address signs can be obtained from your local Fire District.

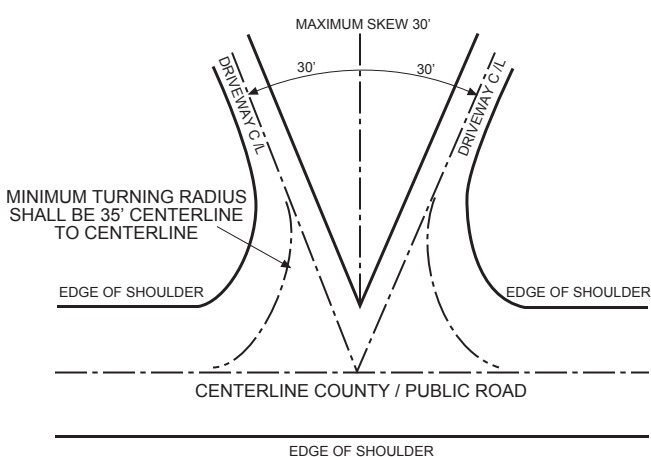
## Fire District Contact:

Canby Fire District

503-266-5851

canbyfire@canbyfire.org

## Road Approach Plan



## Firefighting Water Supplies Note

For residential structures over 3,600 square feet, including the garage, a water supply for fire suppression may be required in accordance with NFPA 1142. Contact your local fire district to determine if a water supply is required for your project. Residential fire sprinklers or other Uniform Alternate Construction Standards in accordance with OAR 918-480-0125 may be an acceptable alternative to the required water supply as approved by the Building Official.



# Turning Performance Analysis

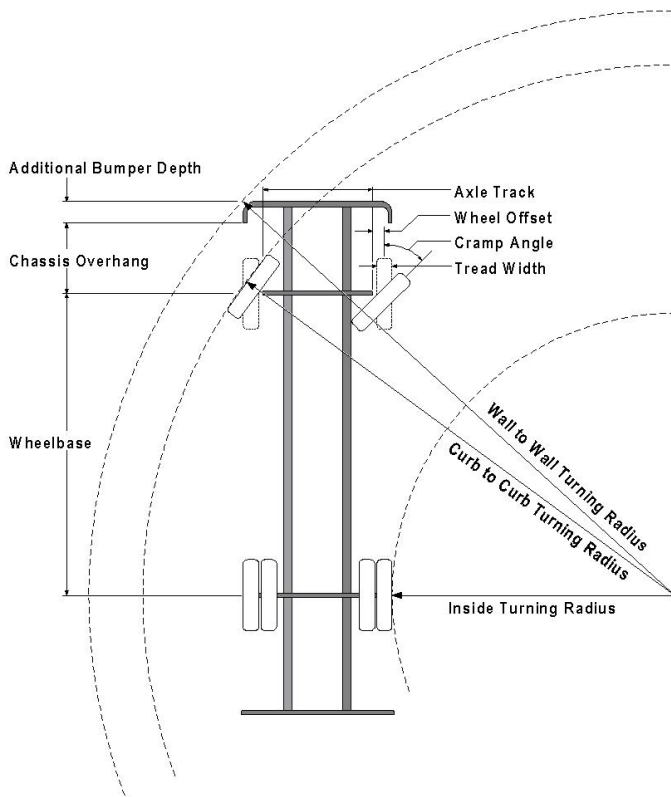


Department: Canby Fire District #62

02/16/2022

Chassis: Velocity Chassis, Aerials/Tankers Tandem (Big Block), 2010

Body: Aerial, HD Ladder 105', Alum Body



### Parameters:

*Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	17.7 in.
Chassis Overhang:	78 in.
Additional Bumper Depth:	19 in.
Front Overhang:	97 in.
Wheelbase:	248.5 in.

### Calculated Turning Radii:

Inside Turn:	19 ft. 7 in.
Curb to curb:	35 ft. 8 in.
Wall to wall:	40 ft. 8 in.

Category	Option	Description
Tires, Front	0521238	Tires, Front, Michelin, XFE (wb), 425/65R22.50, 20 ply
Wheels, Front	0019611	Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot
Bumpers	0549296	Bumper, 19" Extended Steel Painted
Axle, Front, Custom	0508849	Axle, Front, Oshkosh TAK-4, Non Drive, 22,800 lb, Imp/Vel
Aerial Devices	0673136	Aerial, 105' Heavy Duty Ladder, (750 dry/500 water)

### Notes:

\*Actual Inside cramp angle may be less than shown.

Curb to Curb turning radius calculated for 9.00 inch curb.

---

**Definitions:**

---

Inside CrampAngle	Maximum turning angle of the front inside fire.
Axle Track	King-pin to King-pin distance of front axle.
Wheel Offset	Offset from the center line of the wheel to the King-pin.
Tread Width	Width of the tire tread.
Chassis Overhang	Distance of the center line of the front axle to the front edge of the cab. This does not include the bumper depth.
Additional Bumper Wheel	Depth that the bumper assembly adds to the front overhang.
Wheelbase	Distance between the center lines of the vehicles front and rear axles.
Inside Turning Radius	Radius of the smallest circle around which the vehicle can turn.
Curb to Curb Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures assumes a curb height of 9 inches.
Wall to Wall Turning Radius	Radius of the smallest circle around which the vehicle's tires can turn. This measures takes into account any front overhang due to chassis , bumper extensions and or aerial devices.