

Private Entrances (Existing State Highways)

1. Curb and Gutter Private Entrances

Standard entrance gutter (Std. CG-9D; other options are CG-9A or CG-9B) shall be used with Std. CG-6 or CG-7 curb and gutter. A special design entrance gutter shall be submitted for approval when roll top curb is used.

2. Ditch Section Private Entrances

All private entrances shall be designed to serve no more than two individual lots. All private entrances shall be designed and constructed as shown in Figure 4-1. Entrance radius shall be 20' minimum. All entrance pipe culverts will be sized to accommodate the run-off expected from a 10-year frequency storm.

All private entrance grades shall start back of the shoulder line. If drainage is necessary, the ditch line may be moved back to provide 9 inches minimum cover over pipe. Entrances shall be at least 12' wide and shall be tied smoothly into the roadway surface. The entrance surface can be crusher run aggregate (gravel), asphalt, concrete, etc. and shall extend from the edge of the roadway to the right-of-way line.

Alternate methods for placing pipe culverts under the entrance (cut/fill details) are presented in the PE-1 design standard illustration in the VDOT Road and Bridge Standards, Section 600. The PE-1 standard is available on the VDOT web site at <http://www.extranet.vdot.state.va.us/LocDes/Electronic%20Pubs/2008Standards/CSection600.pdf>

3. Private Entrance Grades

In the interest of assuring an adequate, convenient, and safe access to public roads, VDOT recommends the grades along private entrances not exceed 10%.

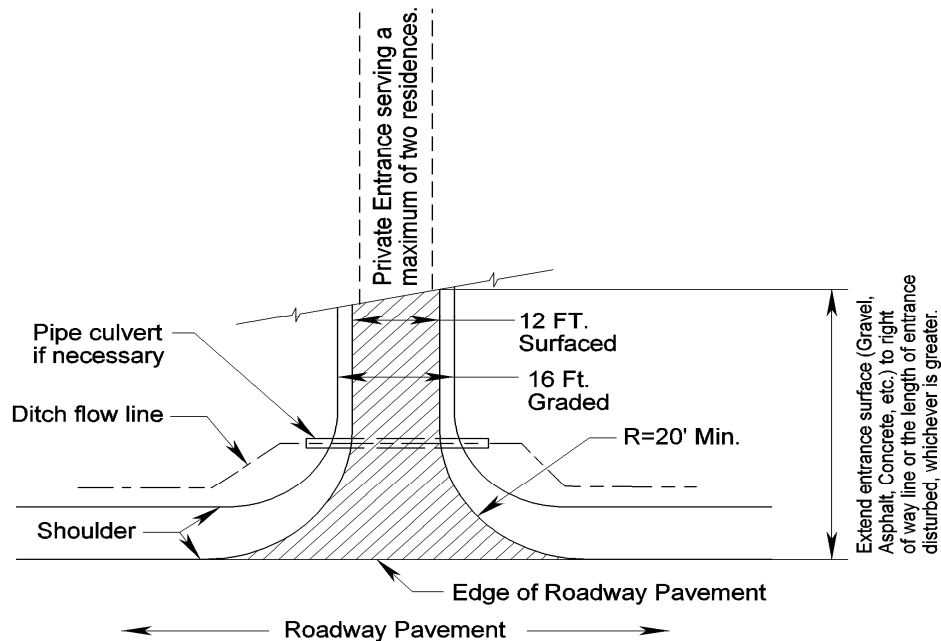


FIGURE 4-1 PRIVATE ENTRANCE DETAIL