

2. Ditch section private entrances

All private entrances shall be designed to serve one or two individual lots on a local subdivision street. All private entrances should be designed and constructed as shown in Figure 9. Entrance radius should be 20' except in high density areas where a 12' radius can be allowed. All entrance pipe culverts will be sized to accommodate the run off expected from a 10-year frequency storm.

If drainage is necessary, the ditch line may be moved back to provide cover for pipe. Entrances shall be at least 12 ft. wide and shall be tied into the roadway smoothly. The driveway entrance surface shall extend from the edge of the roadway to the right of way line. Entrance surface can be crusher run aggregate or paved.

3. Driveway entrance grades

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

Note:

See VDOT Road and Bridge Standards, Std; PE-1 for cut/fill details

All entrance grades shall start back of the shoulder line.

If drainage is necessary, the ditch line may be moved back to provide 9 inches (min.) cover over pipe.

Entrances shall be 12 ft wide and transition smoothly into the roadway surface. Driveway entrance pavement shall extend to the right of way line. When an existing street is re-developed and modification of an existing driveway entrance is required, the entrance pavement shall be extended to the right of way line or the extent of disturbance to the existing driveway.

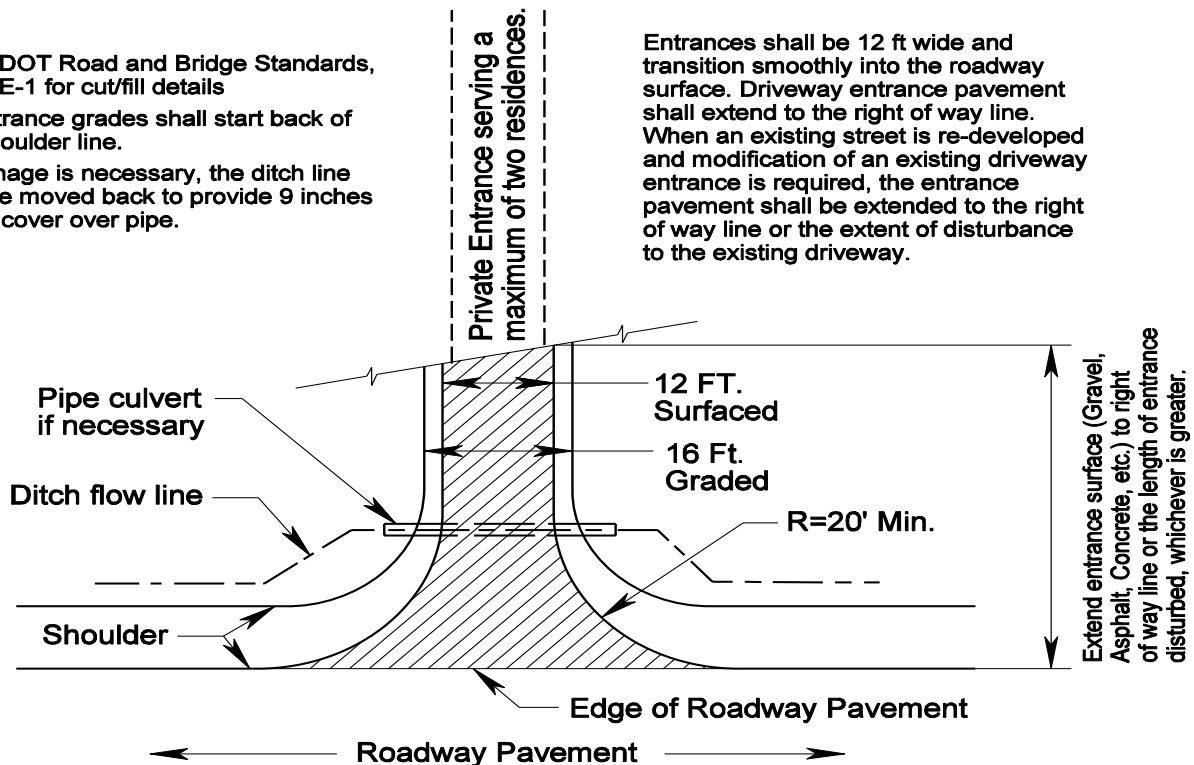


FIGURE 9 – PRIVATE ENTRANCE DETAIL*

* Rev. 7/09