

Entrance pipe culverts shall be sized to accommodate the run-off expected from a 10-year frequency storm. 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, available on the VDOT web.

All private and low volume commercial 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 tied smoothly into the roadway surface.

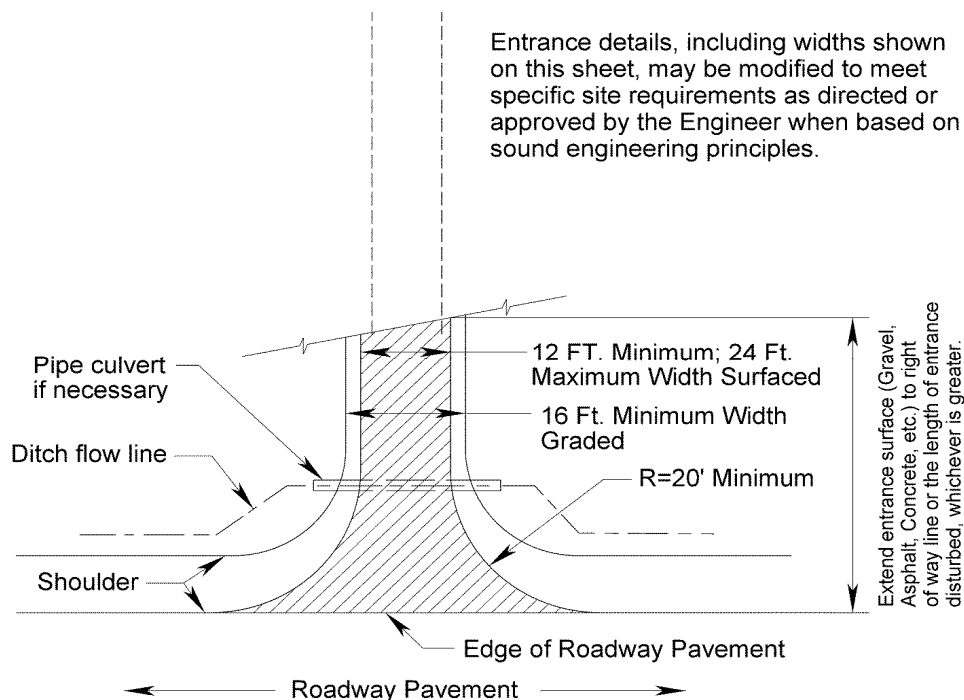
The entrance surface can be crusher run aggregate (gravel), asphalt, concrete, etc. and shall extend from the edge of the roadway to the right-of-way line.

Private and Low Volume Commercial Entrance Grades

In the interest of assuring an adequate, convenient, and safe access to public roads, VDOT recommends the grades along such entrances not exceed 10%. When grades do exceed 10%, consideration should be given to paving the entrance.\*

Modification of an Existing Private or Low Volume Commercial Entrance

When an existing street is re-developed and modification of an existing entrance is required, the entrance surface shall be extended to the right-of-way line or the extent of disturbance to the existing entrance.



**FIGURE 4-1 PRIVATE ENTRANCE AND LOW VOLUME COMMERCIAL ENTRANCE DETAIL**

\* Rev. 7/16