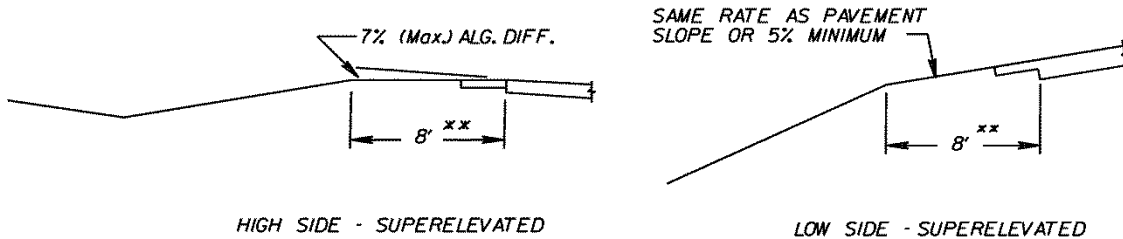


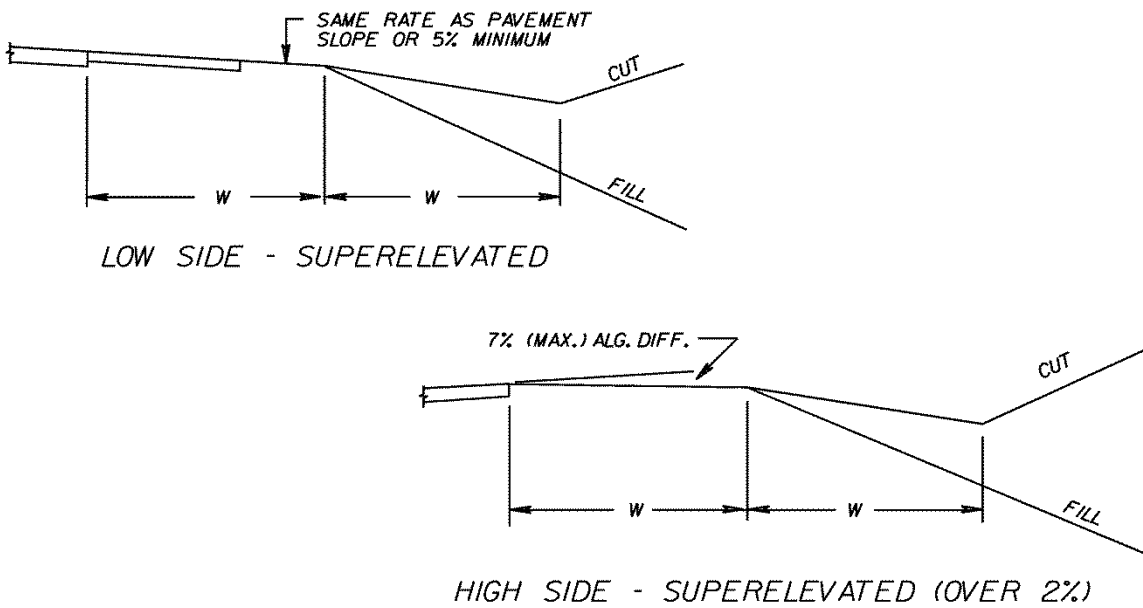
**GEOMETRIC DESIGN STANDARDS FOR SHOULDER DESIGN (GS-11)**

*GRADED MEDIAN SHOULDERS*



\*\* WHERE MAINLINE IS 6 OR MORE LANES GRADED SHOULDER WIDTH IS TO BE THE SAME AS THAT SHOWN FOR FILL SHOULDER FOR INDEPENDENT GRADING.

*OUTSIDE SHOULDERS*



NOTE: FOR WIDTH OF SHOULDERS AND DITCHES (W) SEE GEOMETRIC DESIGN STANDARDS.

STANDARD SHOULDER DESIGN FOR ALL SYSTEMS EXCEPT LOCAL ROADS AND STREETS

**FIGURE A - 1 - 12\***

\* Rev. 7/14