

7.7.21.17

## STREET GRADES

7.7.21.17.1

All street grades shall be designed as follows:

7.7.21.17.1.1

Major and collector streets shall be limited to a maximum grade of 10%. Sustained grades shall be limited to 7%.

7.7.21.17.1.2

Minor streets shall be limited to a maximum grade of 12%. Sustained grades shall be limited to 9%.

7.7.21.17.1.3

Cul-de-sacs with a negative grade (if negative grade is permitted) progressing toward the turnaround shall be limited to a maximum grade of 6% and have adequate easement for drainage. All cul-de-sacs shall terminate with a grade not to exceed 3% for the last 100 feet of traveled surface.

7.7.21.17.1.4

Street intersections shall have a vertical alignment such that the grade shall not exceed 3% for a minimum distance of 50 feet each way from the centerline of the intersection.

7.7.21.17.1.5

Maximum grades shall be approved only when accompanied by changes to a lesser grade, and where length of that portion of that road at maximum grade is less than 600 feet.

7.7.21.17.1.6

All changes in vertical alignment shall be made by vertical curves with minimum length of 50 feet for local (minor) streets and 100 feet for collector and major streets.

7.7.21.17.1.7

Streets in mountainous terrain shall be designed at less than maximum allowable grade in order that they can be safely negotiated and that snow can be removed during winter.