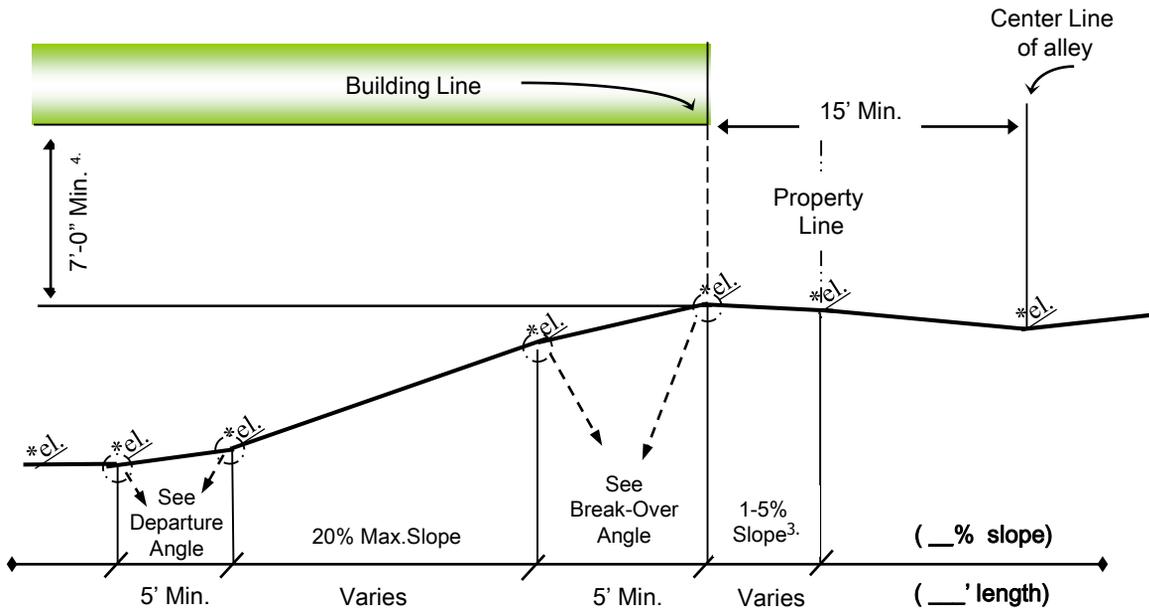
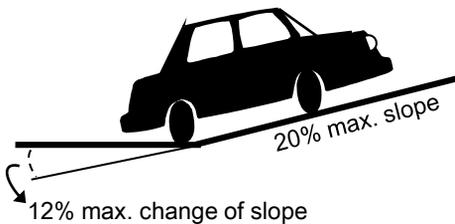


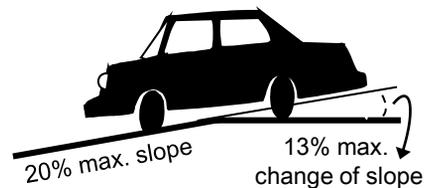
# Ramp Slope Cross-Section: Alley



## Departure Angle



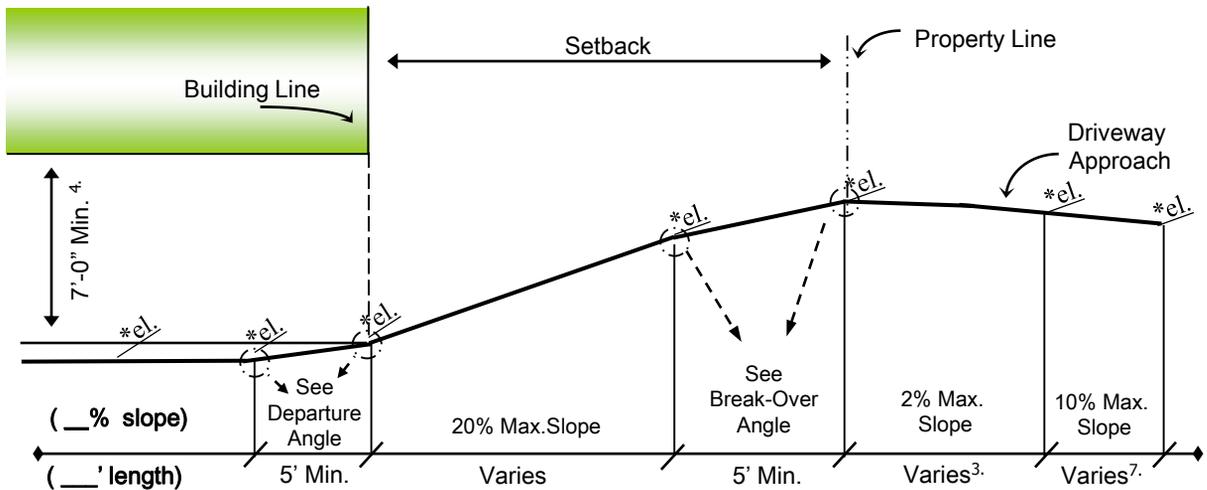
## Break-Over Angle



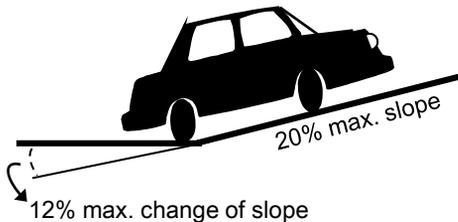
## REQUIREMENTS:

1. Show cross-section of ramp taken on a line where maximum changes in slope occur.
2. All drawings should show elevations, slopes and dimensions.
3. The driveway approach must be down-sloped 1-5% to match the elevation where the private property meets the public right-of-way.
4. The vertical clearance requirement for any ramp leading to a parking level containing an accessible parking space is 8'2".
5. Show the following finish elevations (\*el.) on the plans
  - a) Street, property line and top existing curb, each side of garage opening or driveway ramp.
  - b) Garage floor at all corners, at top of catch basin grating, and other critical points.
  - c) All Points on each side of ramp where changes in slope occur.
  - d) Center line and flow line of alley where applicable
6. The maximum slope of a required parking space and any maneuvering area shall not exceed 6-2/3% in any direction.
7. The ridge line or highest point of the driveway must be at least 6" above the alley flow line or lowest point in the alley.
8. Additional visibility requirements may be necessary for ramps with turns, sharp curves, or limited visibility.

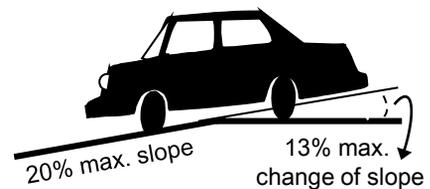
# Ramp Slope Cross-Section: Street



## Departure Angle



## Break-Over Angle



## REQUIREMENTS:

1. Show cross-section of ramp taken on a line where maximum changes in slope occur.
2. All drawings should show elevations, slopes and dimensions.
3. The sidewalk must be down-sloped 1-2% for a minimum of 4-feet.
4. The vertical clearance requirement for any ramp leading to a parking level containing an accessible parking space is 8'2".
5. Show the following finish elevations (\*el.) on the plans:
  - a) Street, property line and top existing curb, each side of garage opening or driveway ramp.
  - b) Garage floor at all corners, at top of catch basin grating, and other critical points.
  - c) All Points on each side of ramp where changes in slope occur.
  - d) Center line and flow line of alley where applicable
6. The maximum slope of a required parking space and any maneuvering area shall not exceed 6-2/3% in any direction.
7. Apron lengths and slopes vary depending on curb height. See engineering drawing 4008 for more details. If the apron cannot achieve appropriate height to meet curb on the public right of way, may need to extend the apron onto private property.
8. Additional visibility requirements may be necessary for ramps with turns, sharp curves, or limited visibility.