

# Commonly Asked Questions

The following slides will discuss commonly asked questions.

•Can flush mounted utility valve boxes, junction boxes, manholes, etc. be located in a curb ramp surface, side flare, or landing?

•Yes

For existing conditions, the utility valve box, junction box, or manhole must be mounted flush with the adjacent surface and be stable and firm and have a slip-resistant surface.

For proposed utilities, they shall be placed outside of the pedestrian path.



May flush mounted utilities be located in the pedestrian access route?

The answer to this can be separated into two categories.

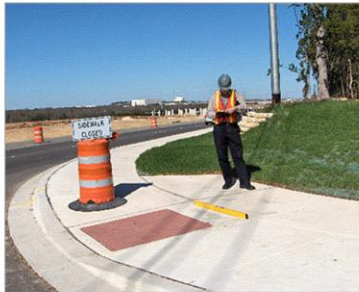
1. For existing utilities that meet the basic requirements (flush, stable, firm slip resistant, etc) the answer is yes.
2. For proposed utilities, place them outside of the pedestrian access route.

•*Must the slopes be precisely met? Are there any construction tolerances?*

•Yes, slopes (and widths) must be precisely met. The slopes are identified as maximum slopes and can be less not more. Prior to accepting the curb ramp, the slopes and widths will be inspected in the field.

•*How are the ramp and flare slopes measured?*

•Digital Levels, 4' max will be used for inspections.



Must the slopes indicated **in the RC's** be precisely met?

The answer is simply yes, or as directed in the contract drawings. 4' maximum digital levels will be used during inspections.

Several measurements should be taken to obtain a general or average measurement.

- *Does a level landing mean a zero percent slope?*
- “Level” meaning having a slope no greater than 2.00%, cross and running.
- *Must the bottom of the curb ramp at the depressed curb line be flush with the adjacent roadway surface? Isn't there a ¼-inch vertical rise tolerance?*
- The guidelines specifically state depressed curb at curb ramps shall be flush meaning no vertical difference in elevation.



Does level landing mean 0% slope?

No, level landing means 2% max slope cross and running.

Must the bottom of the curb ramp at the depressed curb line be flush with the adjacent roadway surface? Isn't there a ¼-inch vertical rise tolerance?

The guidelines specifically state depressed curbs at curb ramps shall be flush meaning no vertical difference in elevation.

•Are curb ramps (within a project's limits) required to have Detectable Warning Surfaces (DWS)?

•Yes, an approved DWS.

•Some older curb ramps have grooved or other textured surface treatments. Are these surfaces acceptable as the detectable warning strip requirement on curb ramps?

•No. A number of other textured surfaces have been used on curb-ramps, but they have not been demonstrated to be highly detectable to pedestrians who are blind, both under foot and by the use of a long cane.



Are curb ramps required to have a detectable warning surface?

Yes. Only truncated domes are approved as a detectable warning surface. The older scoring is not an approved detectable warning surface.