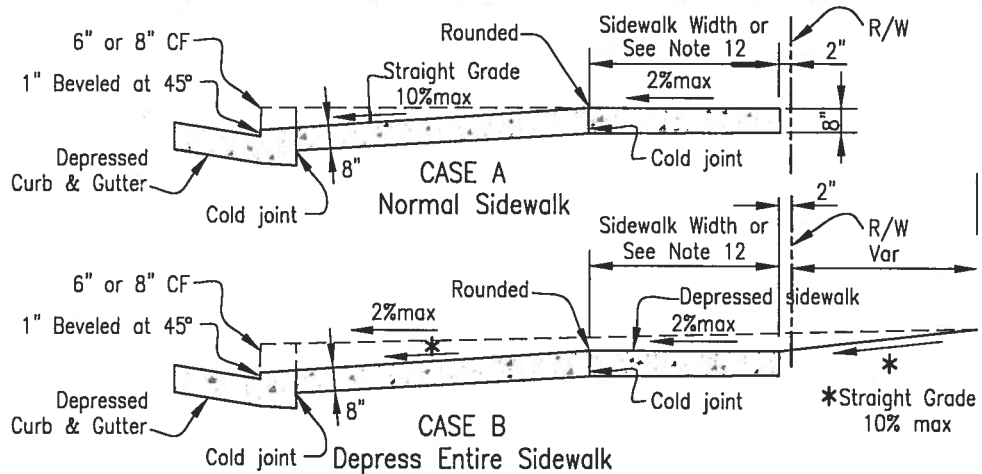
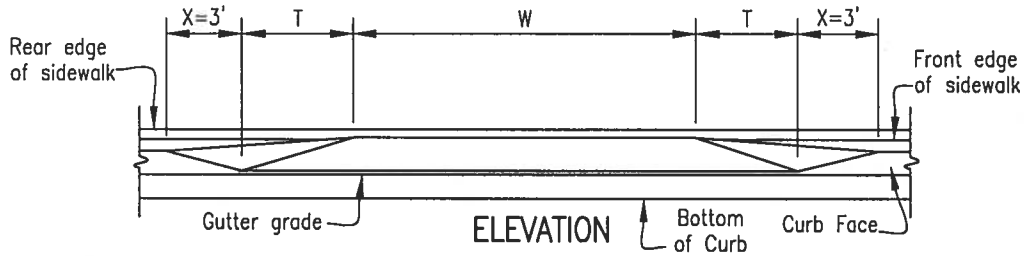


W=12'min, 35'max
See Note 3

T=3' on Arterial Streets
T=0' on Non-Arterial Streets



SECTIONS



10/8/16
DATE APPROVED

CITY OF ORANGE PUBLIC WORKS DEPARTMENT

STANDARD
PLAN No.
115
SHEET 1 OF 2

COMMERCIAL DRIVEWAY APRON

PUBLIC WORKS DIRECTOR
CITY ENGINEER

NOTES:

1. Curb & Gutter, if existing, shall be removed for full width of driveway subject to section 300-1.3.2(c) of the Standard Specifications.
2. Existing residential sidewalk may be retained if satisfactory in both condition and location as determined by the City Engineer, otherwise, sidewalk shall be removed full width of driveway.
3. "W" shall be approved by the City Engineer.
4. A weakened-plane joint, perpendicular to the curb line, shall be constructed at the mid-point of aprons and curb & gutter when $14' < W < 24'$. Two (2) weakened-plane joints, evenly spaced, shall be constructed when $25' < W < 35'$
5. For parkway widths of 10' or less, depress front edge of sidewalk 2".
6. Minimum 22' of full-height curb shall be maintained between two driveways serving the same property.
7. Minimum 2' of full-height curb shall be maintained between top of "X" and PL produced.
8. No section of driveway shall be less than 6' in width.
9. Concrete shall be class 520-C-2500.
10. Retaining curbs and easement acquisition/grant may be necessary for narrow sidewalks or curb heights in excess of 8".
11. Case A normally applies. Case B applies when ramp slopes would exceed 10% in Case A, and or, when sidewalk cross slope would exceed 2% in Case A.
12. Minimum width of clear passage shall be 4'. Where right of way restrictions, natural barriers, or other existing conditions create an unreasonable hardship, clear width may be reduced to 3'.
13. Depressed "V" driveway apron may be allowed subject to review and approval of the City Engineer.
14. For construction within the Old Towne Area, the concrete color and finish shall be regular concrete mix with an application of water-based top-surface retarder that is washed away using pressured water for a sand blast finish effect. The retarder shall be Grade 05 - Powder Blue Violet (color coded) per Grace Construction Products (www.graceconstruction.com (877) 423-6491) or approved equal.
15. When replacing the curb on a curb-only street during a street rehabilitation project with new curb and gutter, driveway lips of 0.75" to 1.5" may be allowed to preserve existing driveway aprons.



10/18/16
 DATE APPROVED

 PUBLIC WORKS DIRECTOR

 CITY ENGINEER

CITY OF ORANGE PUBLIC WORKS DEPARTMENT
 COMMERCIAL DRIVEWAY APRON

STANDARD
 PLAN No.
 115
 SHEET 2 OF 2