

\* 2" Max. depression as necessary;

Driveway Apron	8" CURB				6" CURB			
	PK	W	X	Y	PK	W	X	Y
Residential	8' Min.	12' Min. - 24' Max.	3'	5' Min.	6' Min.	12' Min. - 24' Max.	3'	3' Min.
On Arterial St.	Use Standard Plan No. 115				Use Standard Plan No. 115			



10/18/16  
 DATE APPROVED  
 PUBLIC WORKS DIRECTOR  
 CITY ENGINEER

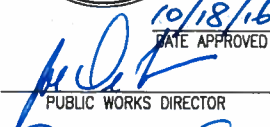

CITY OF ORANGE PUBLIC WORKS DEPARTMENT  
 RESIDENTIAL DRIVEWAY APRON

STANDARD PLAN No. 116A  
 SHEET 1 OF 2

**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. Residential driveway aprons are not permitted on arterial highways unless approved by the City Engineer and flares shall be per Std. 115 (3' flare + X=3').
4. Width of the driveway apron shall be limited to the width of garage (or carport) or 24' maximum whichever is smaller.
5. A weakened-plane joint, perpendicular to the curb line, shall be constructed at the mid-point of aprons & curb & gutter when  $14' < W < 24'$ . No weakened-plane joint shall be less than 6' on center.
6. Minimum width of clear passage shall be 4'. Where right of way, natural barriers, or other existing conditions create unreasonable hardship, the clear width may be reduced to 3'.
7. Minimum 22' of full-height curb shall be maintained between two driveways serving the same property.
8. Minimum 2' of full-height curb shall be maintained between top of "X" and PL produced.
9. Any approved side yard driveway adjoining to the primary garage driveway shall be limited to 24' maximum width for a driveway approach.
10. Concrete shall be class 520-C-2500.
11. 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](http://www.graceconstruction.com) (877) 423-6491) or approved equal.
12. Any approved secondary driveway leading to the side yard or backyard for parking recreational vehicle shall be limited to 12 feet maximum width.
13. 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.

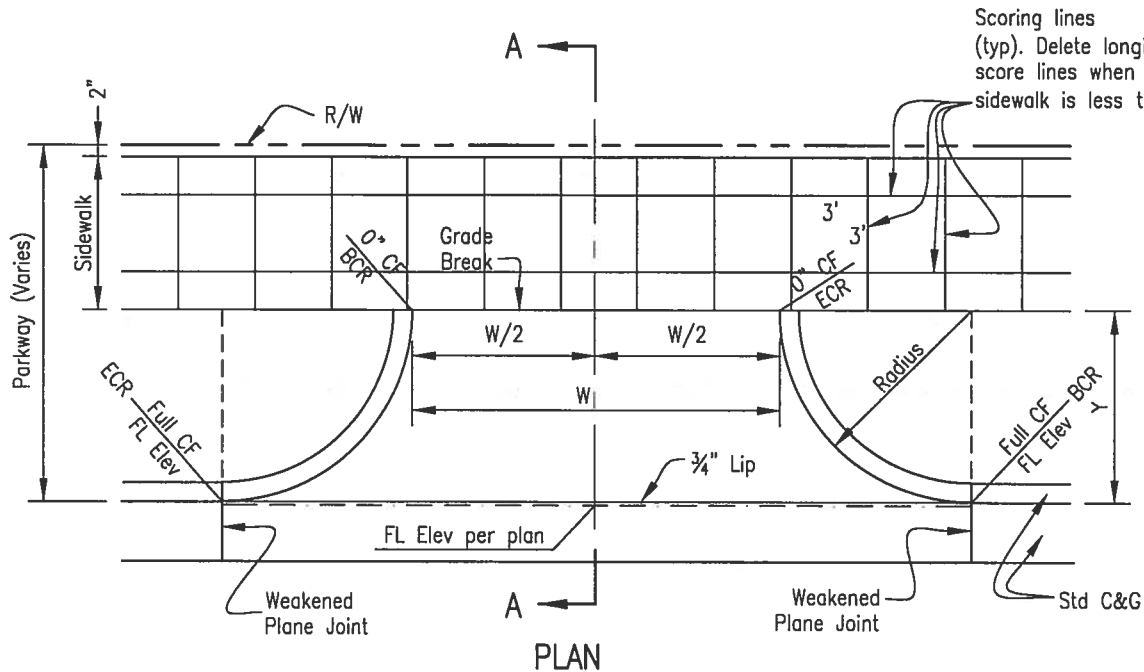


  
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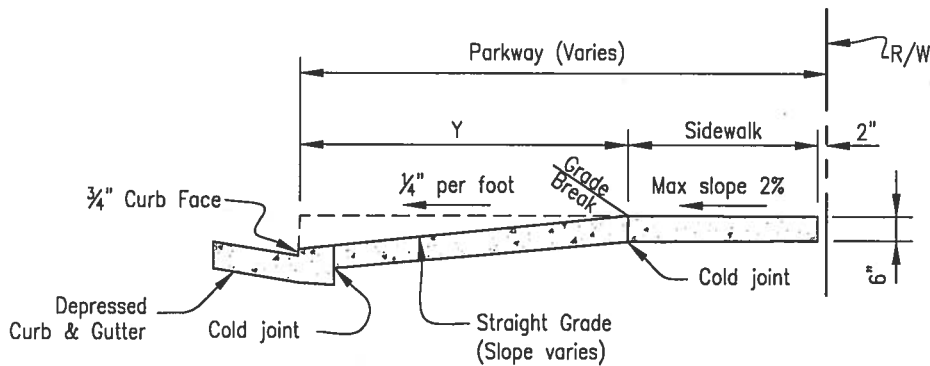
CITY OF ORANGE PUBLIC WORKS DEPARTMENT

RESIDENTIAL DRIVEWAY APRON

STANDARD  
 PLAN No.  
 116A  
 SHEET 2 OF 2



PLAN



SECTION A-A

NOTES:

1. When proposed driveway flowline is lower than existing driveway flowline, the driveway shall be removed and replaced all the way to the back of walk. Three (3) feet of sidewalk on both sides of the driveway shall be removed and replaced to join the proposed driveway.
2. Maximum width shall be limited to the width of the driveway (or carport) or twenty-four (24) feet whichever is smaller.
3. When  $5' \leq Y \leq 8'$  or equal to landscape parkway. The radius of curb returns shall equal to "Y".
4. When  $Y > 8'$ , a detailed sketch of driveway work needs to be reviewed and approved by the City prior to the start of any work.
5. Concrete shall be class 520-C-2500.
6. 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](http://www.graceconstruction.com)) (877) 423-6491 or approved equal.
7. Any approved secondary driveway leading to the side yard or backyard for parking recreational vehicle shall be limited to 12 feet maximum width.
8. Any approved side yard driveway adjoining to the primary garage driveway shall be limited to 24' maximum width for a driveway approach.
9. A weakened-plane joint, perpendicular to the curb line, shall be constructed at the mid-point of aprons & curb & gutter when  $14' < W < 24'$ . No weekend-plane joint shall be less than 6' on center.
10. Minimum 22' of full-height curb shall be maintained between two driveways serving the same property.
11. 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  
RESIDENTIAL DRIVEWAY APRON FOR  
NATIONAL REGISTER HISTORIC DISTRICT

STANDARD  
PLAN No.  
116B  
SHEET 1 OF 1