
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: January 27, 2021

Originator: Rick Jenkins

Phone: (850) 414-4355

Email: rick.jenkins@dot.state.fl.us

Standard Plans:

Index Number: 520-001

Sheet Number (s): All

Index Title: Curb and Gutter

Summary of the changes:

Sheet 1: New General Note and Overview.

Sheet 2: (Old Sheet 1) Renumbered, rearranged, and updated notes.

Sheet 3: (Old Sheet 2) Renumbered, rearranged and moved General Notes to new Sheet 1.

Commentary / Background:

Redeveloped index. Moved General Notes to new sheet 1 and created isometric views to stay consistent with other indexes.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No	
☐	☒	Other Standard Plans –
☐	☒	FDOT Design Manual –
☐	☒	Basis of Estimates Manual –
☐	☒	Standard Specifications –
☐	☒	Approved Product List –
☐	☒	Construction –
☐	☒	Maintenance –

Origination Package Includes:

(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
☒	☐	Redline Mark-ups
☐	☐	Proposed Standard Plan Instruction (SPI)
☐	☐	Revised SPI
☐	☐	Other Support Documents

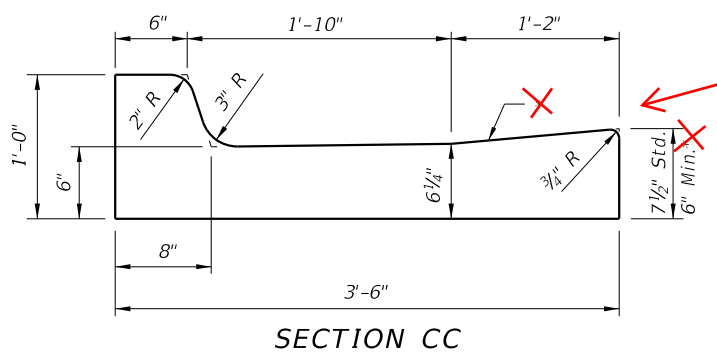
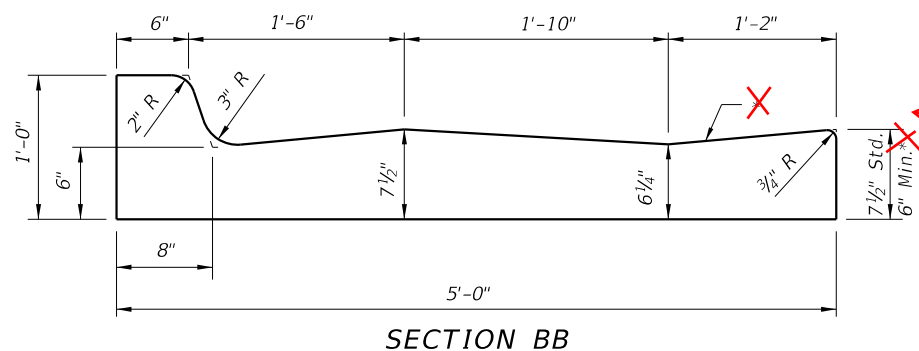
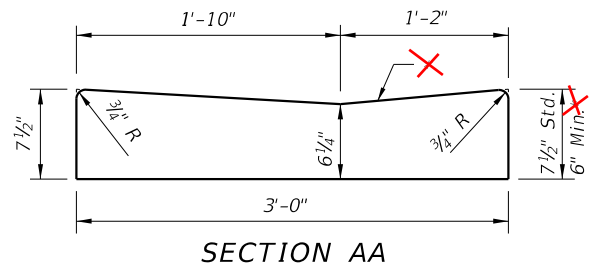
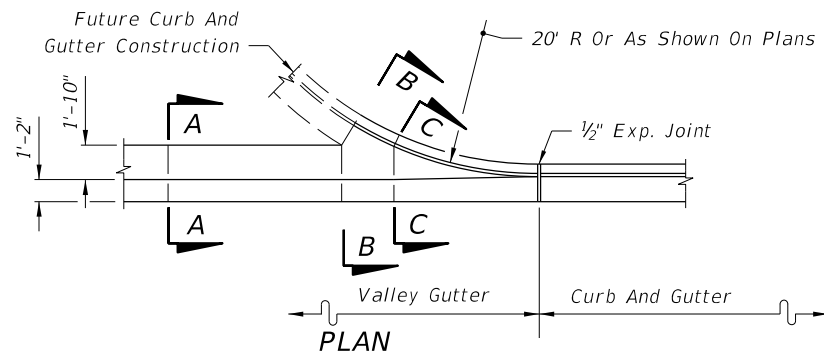
Implementation:

- ☐ Design Bulletin (Interim)
- ☐ DCE Memo
- ☐ Program Mgmt. Bulletin
- ☒ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

NEW SHEET

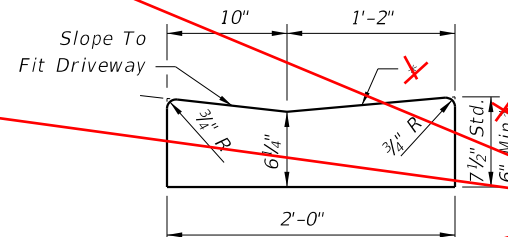
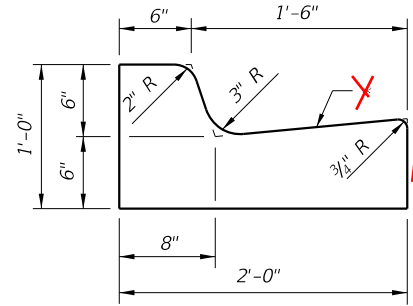
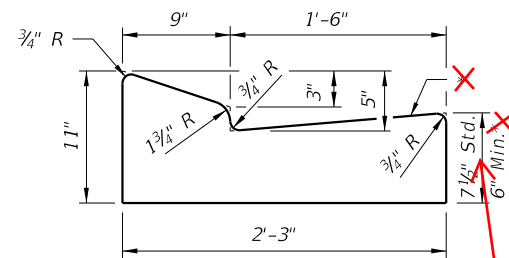
GENERAL NOTES AND OVERVIEW



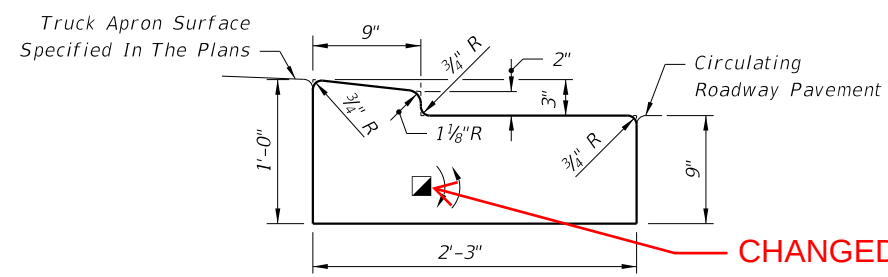
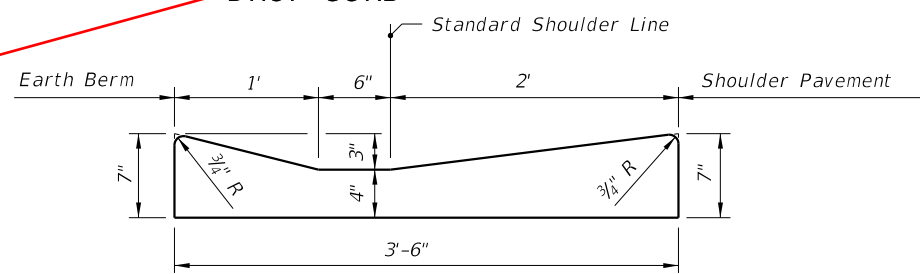
VALLEY GUTTER

2. When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.
3. Rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.
1. For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see Sheet 2. Expansion joint, preformed joint filler and joint seal are required between curb & gutter and concrete pavement only, see Sheet 2.

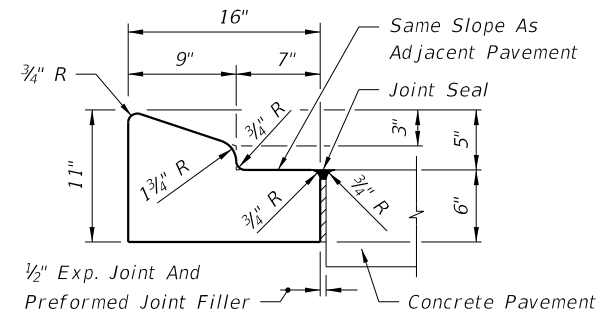
UPDATED NOTES



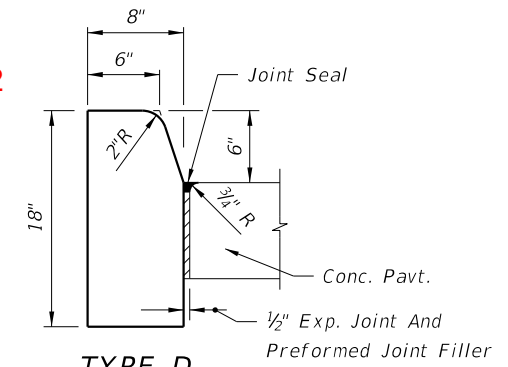
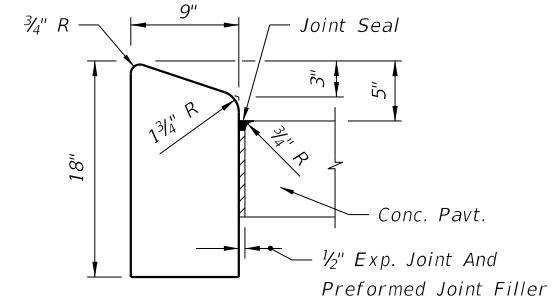
Note: To be paid for as parent curb.



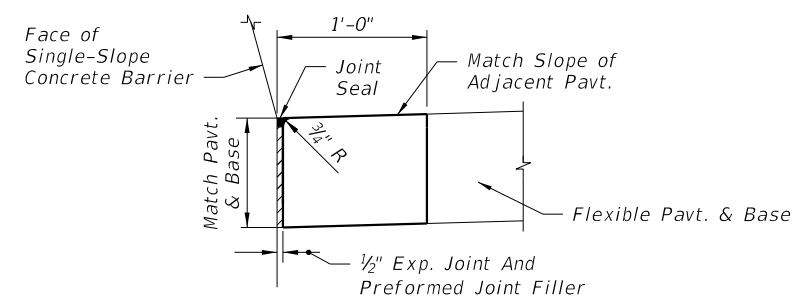
CHANGED TO: See Note 3



For details depicting usage adjacent to flexible pavement, see Sheet 2.



Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 2.



(See the toll site details for conduit requirements)

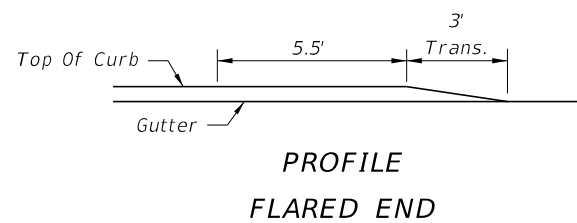
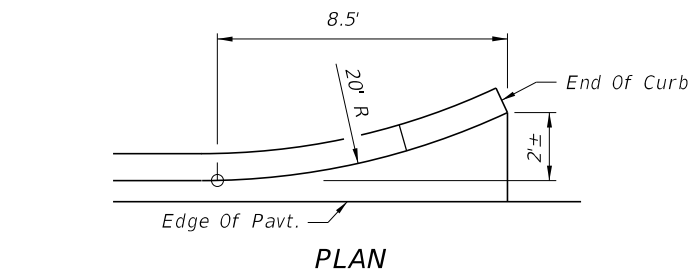
CONCRETE CURB AND GUTTER

2 of 3

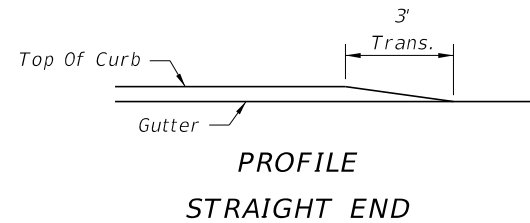
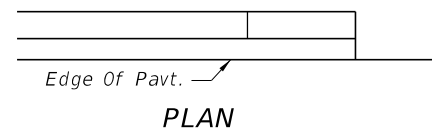
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LAST REVISION	DESCRIPTION:	FY 2021-22 STANDARD PLANS	CURB AND GUTTER	INDEX	SHEET
11/01/20	11/01/21	FDOT		520-001	1 of 2

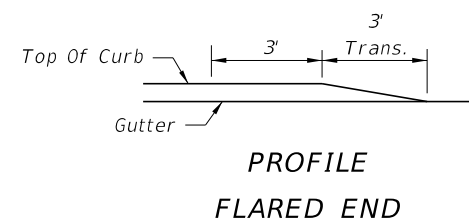
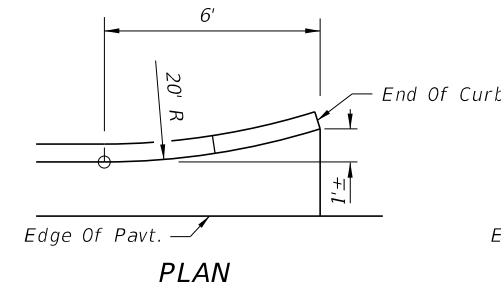
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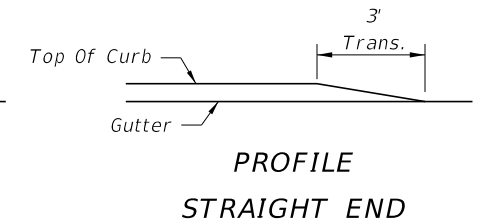
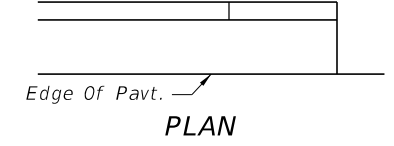
CURB TYPE A



PROFILE
STRAIGHT END



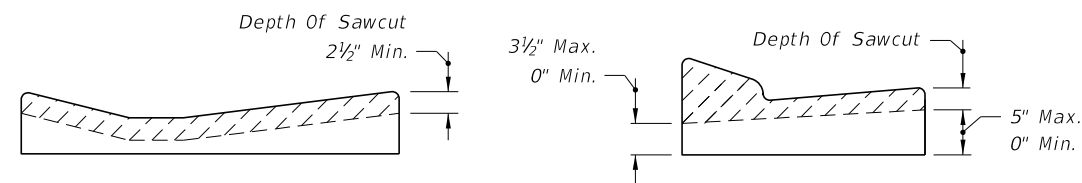
PROFILE
FLARED END



PROFILE
STRAIGHT END

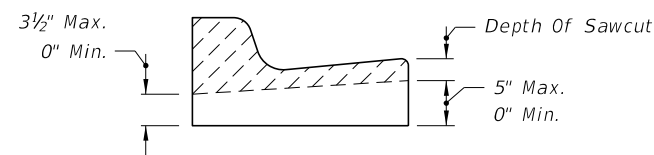
CURB AND GUTTER TYPES E & F

CURB AND GUTTER ENDINGS



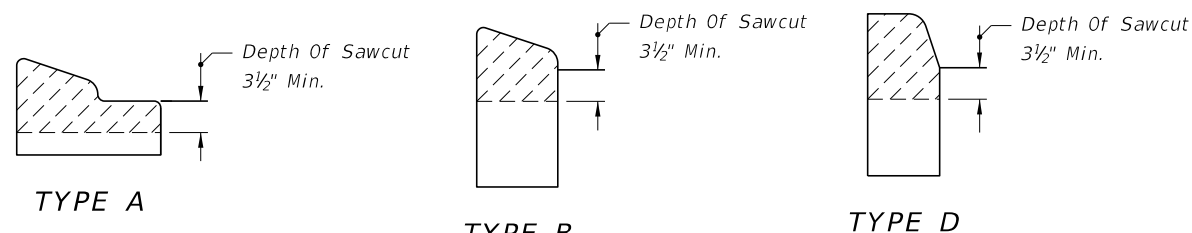
SHOULDER GUTTER

TYPE E



TYPE F

Sawcuts should be avoided within valley gutter and within curb and gutter endings.
CONTRACTION JOINT IN CURB AND GUTTER



TYPE A

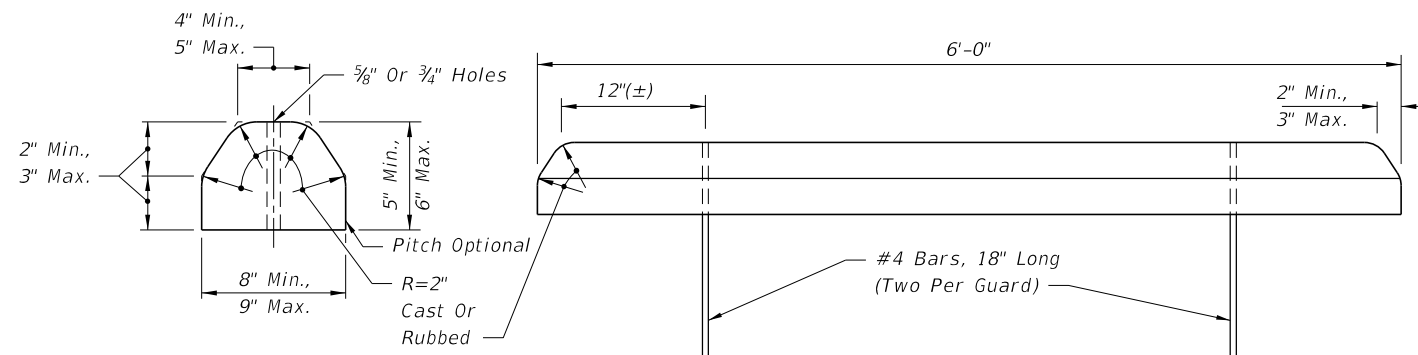
TYPE B

TYPE D

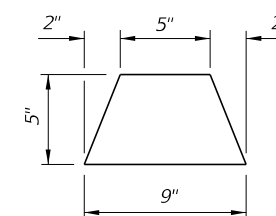
CONTRACTION JOINT IN CURB

2. ~~X~~ Applies to both high and low sides of pavement, low side shown.
Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT



CONCRETE BUMPER GUARD

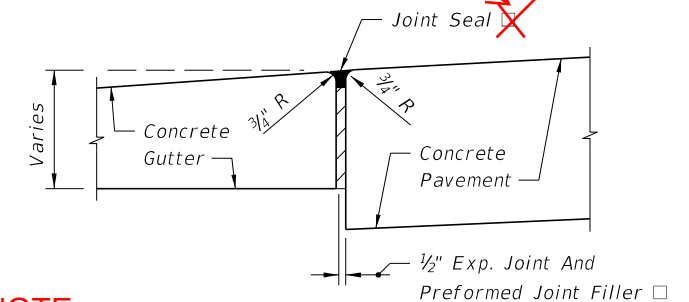


ASPHALTIC CONCRETE CURB

CHANGED TO: See Note

CHANGED TO: See Note 1

Surface On Low Side Of Pavement To Be 1/4" Above Lip Of Gutter. Surface On High Side To Be Flush With Lip Of Curb Or Curb & Gutter.



NOTE

~~X~~ Applies to both high and low sides of pavement, low side shown.

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

MOVED TO SHEET 1 GENERAL NOTES

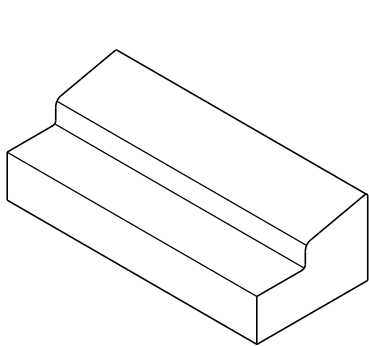
1. For curb, gutter and curb & gutter provide 1/8" - 1/4" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers. Curb, gutter and curb & gutter expansion joints shall be located in accordance with Specification 520.
2. Ends of Curbs Types B and D shall transition from full to zero heights in 3'.

LAST REVISION 11/01/17	DESCRIPTION: 11/01/21	FDOT FY 2021-22 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001	3 of 3 SHEET 2 of 2
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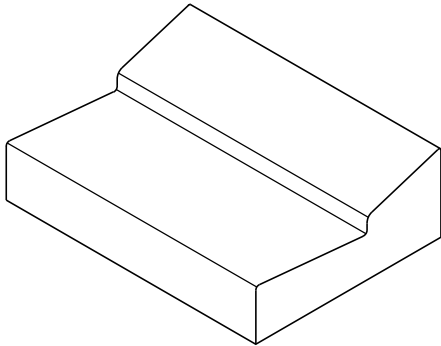
GENERAL NOTES:

- 1. For curb, gutter and curb & gutter provide 1/8" - 1/4" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers.
- 2. Locate expansion joints for curb, gutter and curb & gutter in accordance with Specification 520.

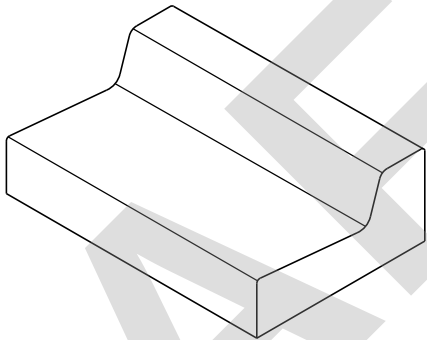
TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Concrete Curb and Gutter
3	Curb and Gutter Joints and Endings, Concrete Bumper Guard, and Asphaltic Concrete Curb



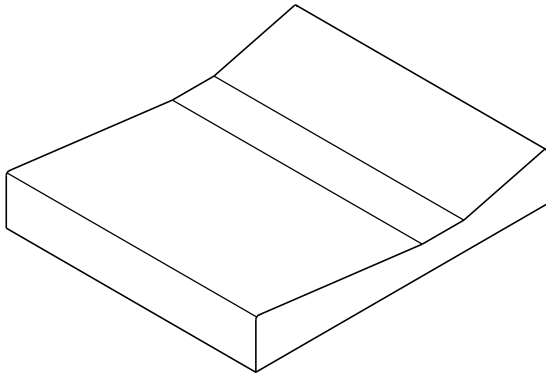
TYPE A



TYPE E

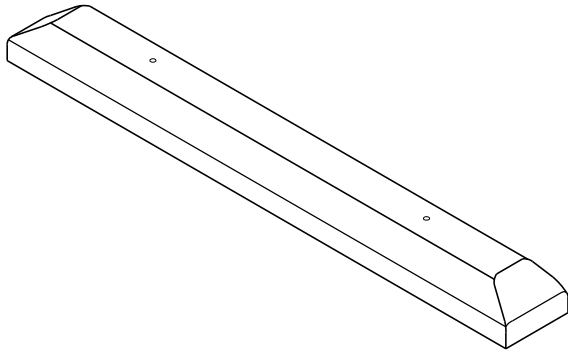


TYPE F



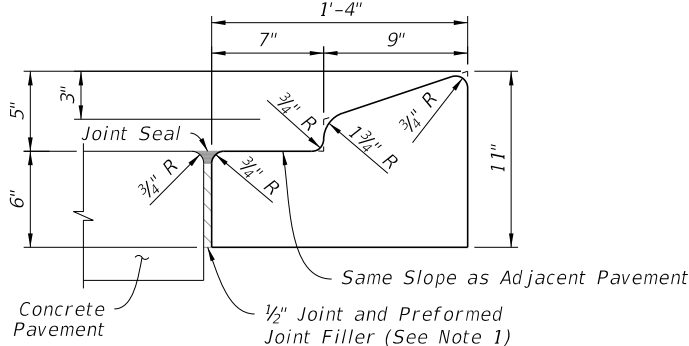
SHOULDER GUTTER

===== TYPE A, TYPE E, TYPE F, AND SHOULDER GUTTER =====
(Other Types Similar)



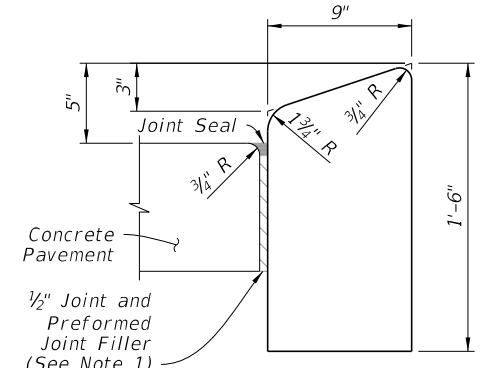
===== CONCRETE BUMPER GUARD =====

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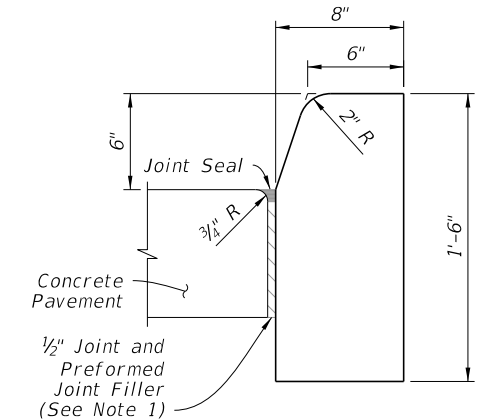
NOTE: For use adjacent to concrete or flexible pavement, concrete shown (See Note 4).

TYPE A



NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

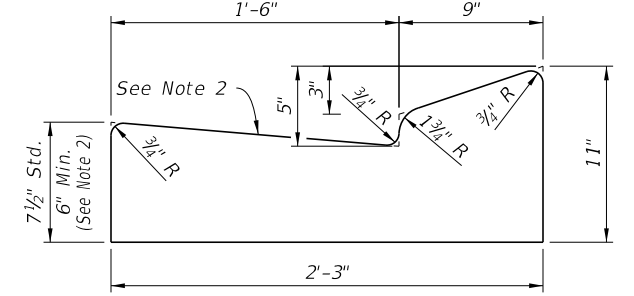
TYPE B



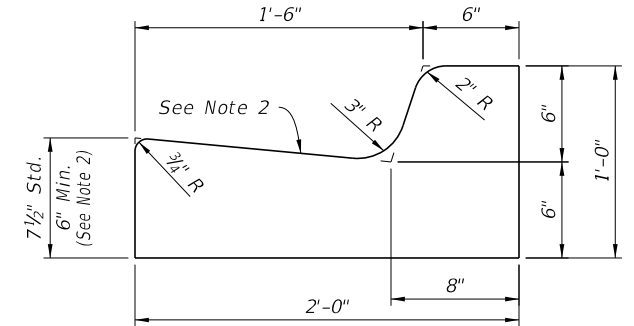
NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

TYPE D

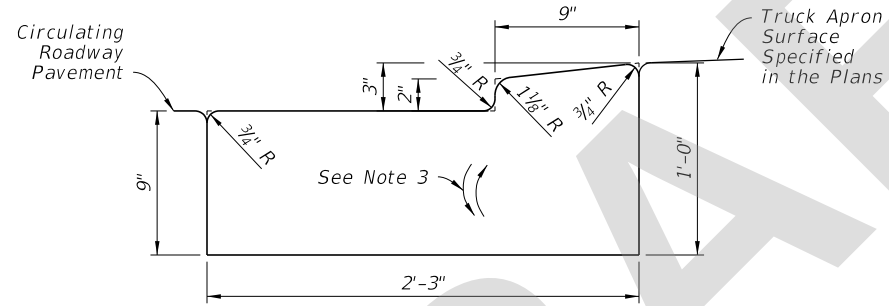
- NOTES:**
1. For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.
 2. For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope of the adjacent pavement. The thickness of the lip is 6", unless otherwise shown on Plans.
 3. For Type RA, rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.
 4. For details depicting usage of Type A Curb adjacent to flexible pavement see Sheet 3.



TYPE E

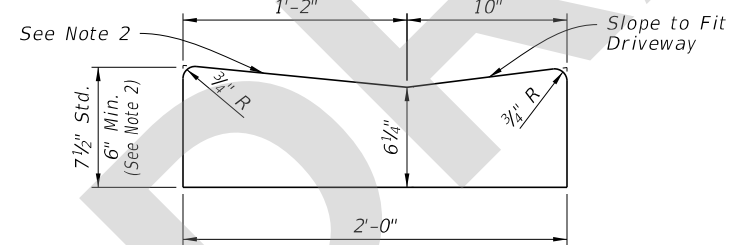


TYPE F

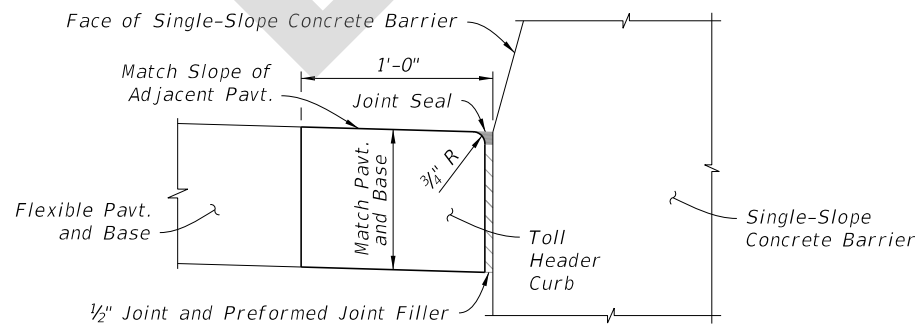


NOTE: Traffic Bearing Sections for use in Roundabout Central Island Construction.

TYPE RA

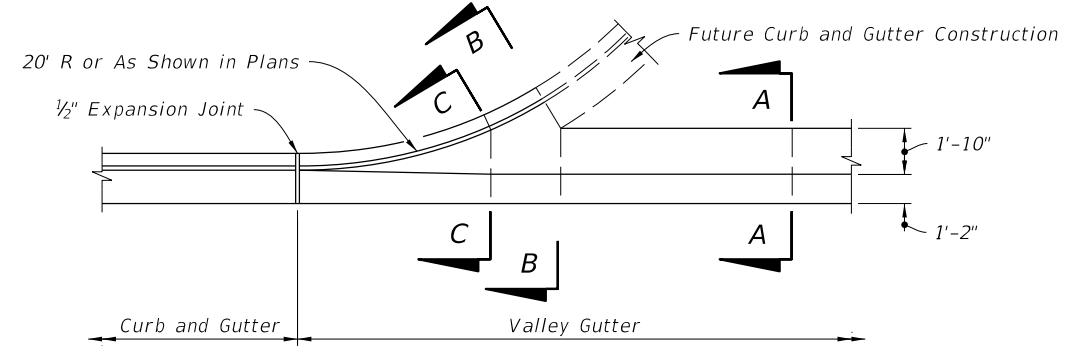


DROP CURB

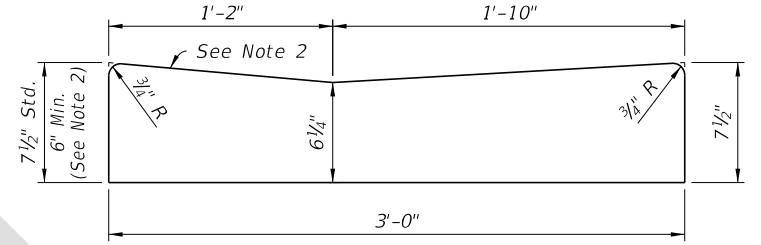


NOTE: See the toll site details for conduit requirements.

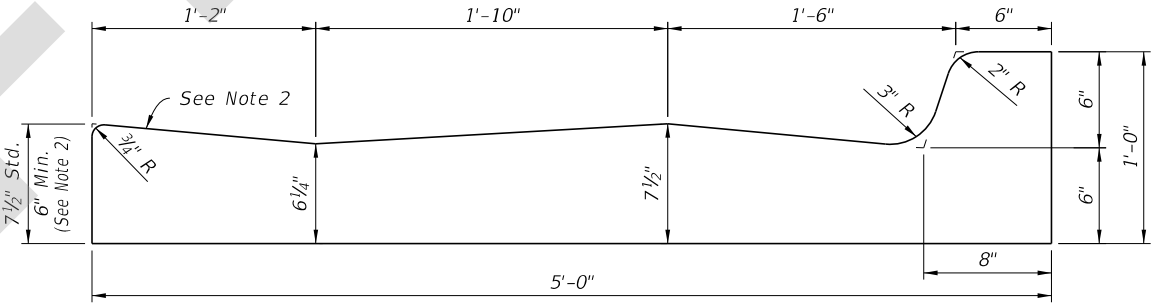
TOLL HEADER CURB



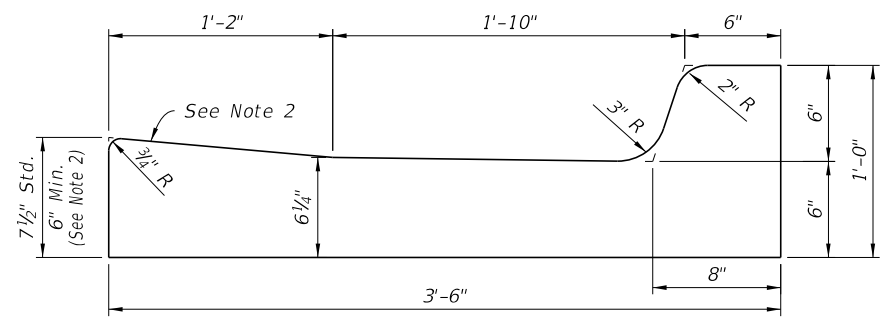
PLAN VIEW



SECTION A-A

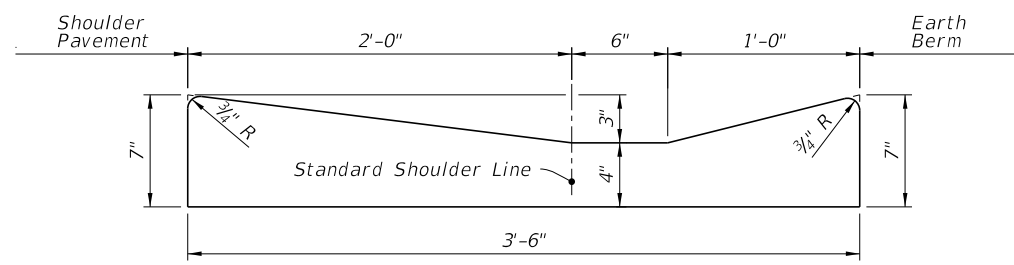


SECTION B-B



SECTION C-C

VALLEY GUTTER



SHOULDER GUTTER

CONCRETE CURB AND GUTTER



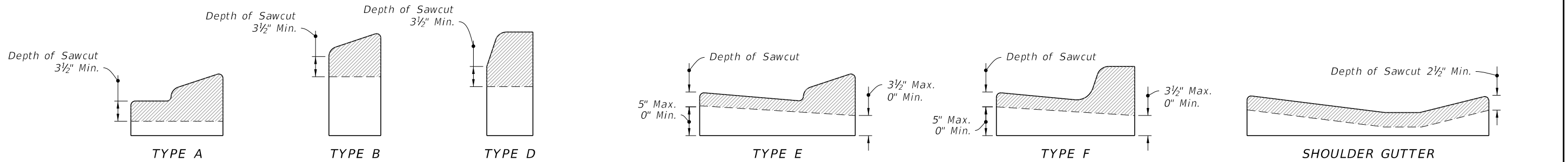
FY 2022-23
STANDARD PLANS

CURB AND GUTTER

INDEX
520-001

SHEET
2 of 3

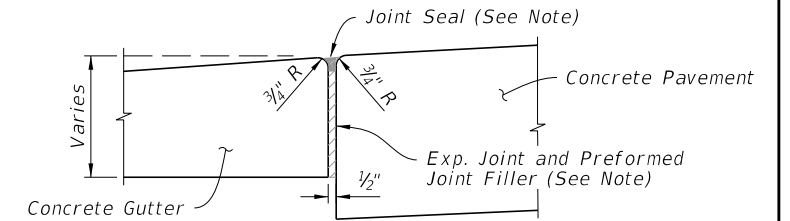
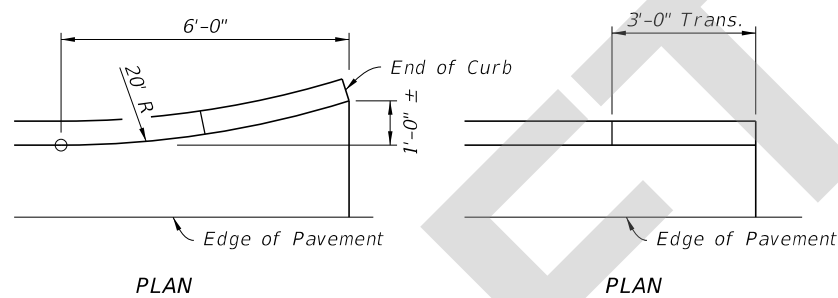
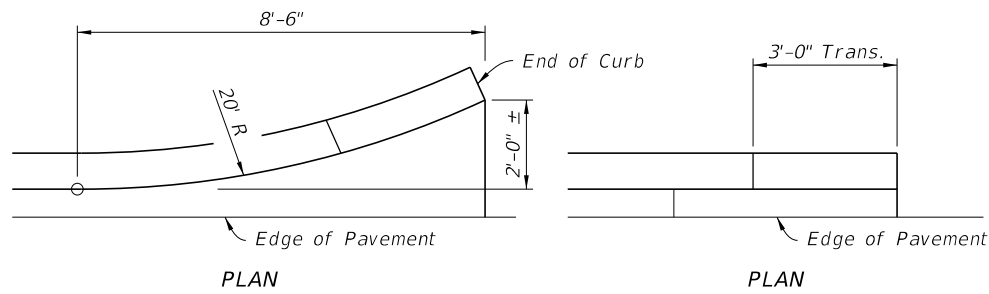
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8/5/2021



NOTE: Sawcuts should be avoided within valley gutter and within curb and gutter endings.

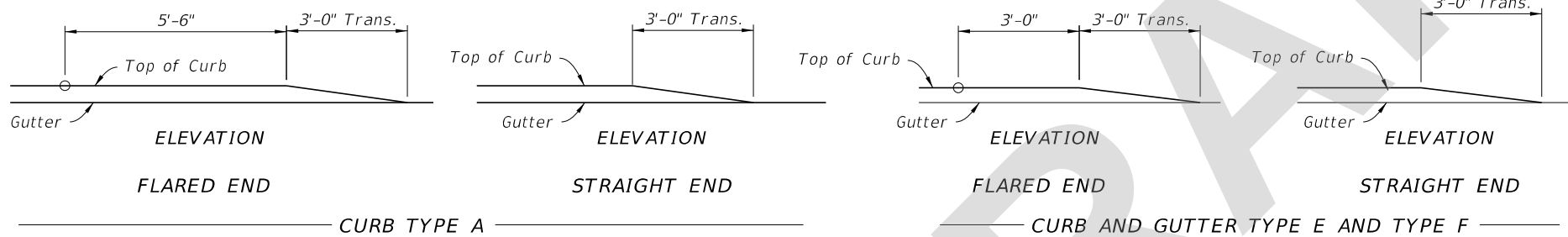
CONTRACTION JOINTS IN CURB

CONTRACTION JOINTS IN CURB & GUTTER



NOTE: Joint Seal application applies to both high and low sides of pavement, low side shown.

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

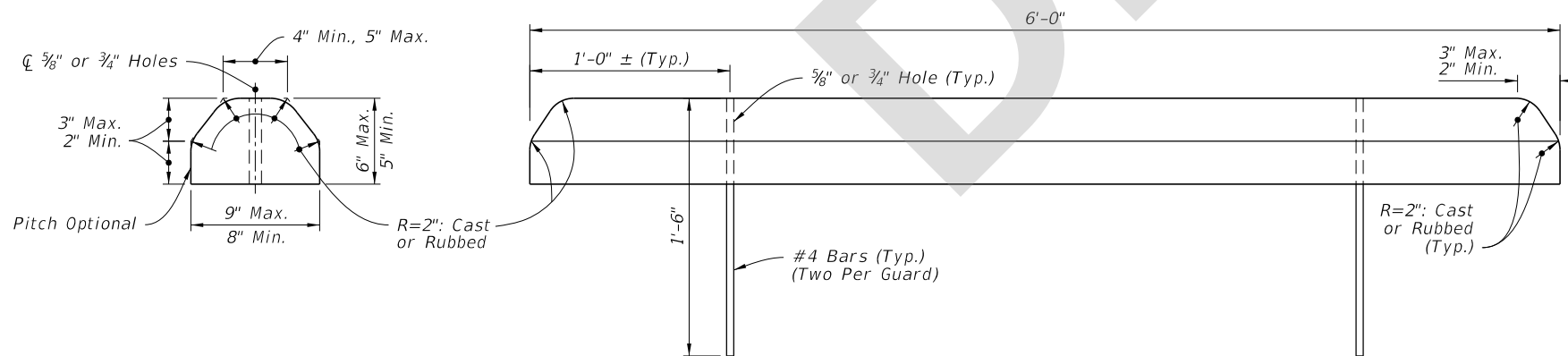


CURB TYPE A

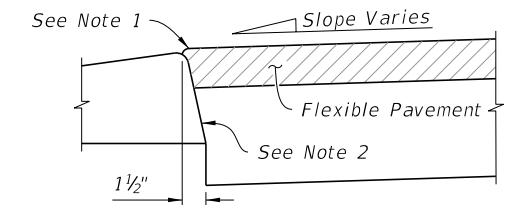
CURB AND GUTTER TYPE E AND TYPE F

NOTE: Ends of Type B and D Curb transition from full to zero heights in 3 ft.

CURB AND CURB & GUTTER ENDINGS



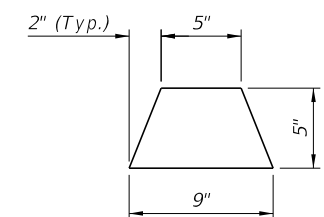
CONCRETE BUMPER GUARD



NOTES:

1. Surface on Low Side of Pavement to be $\frac{1}{4}"$ Above Lip of Gutter. Surface on High Side to be Flush With Lip of Curb or Curb & Gutter.
2. Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT



ASPHALTIC CONCRETE CURB

CURB AND GUTTER JOINTS AND ENDINGS, CONCRETE BUMPER GUARD, AND ASPHALTIC CONCRETE CURB

LAST REVISION	DESCRIPTION:	FY 2022-23 STANDARD PLANS	CURB AND GUTTER	INDEX	SHEET
11/01/21				520-001	3 of 3