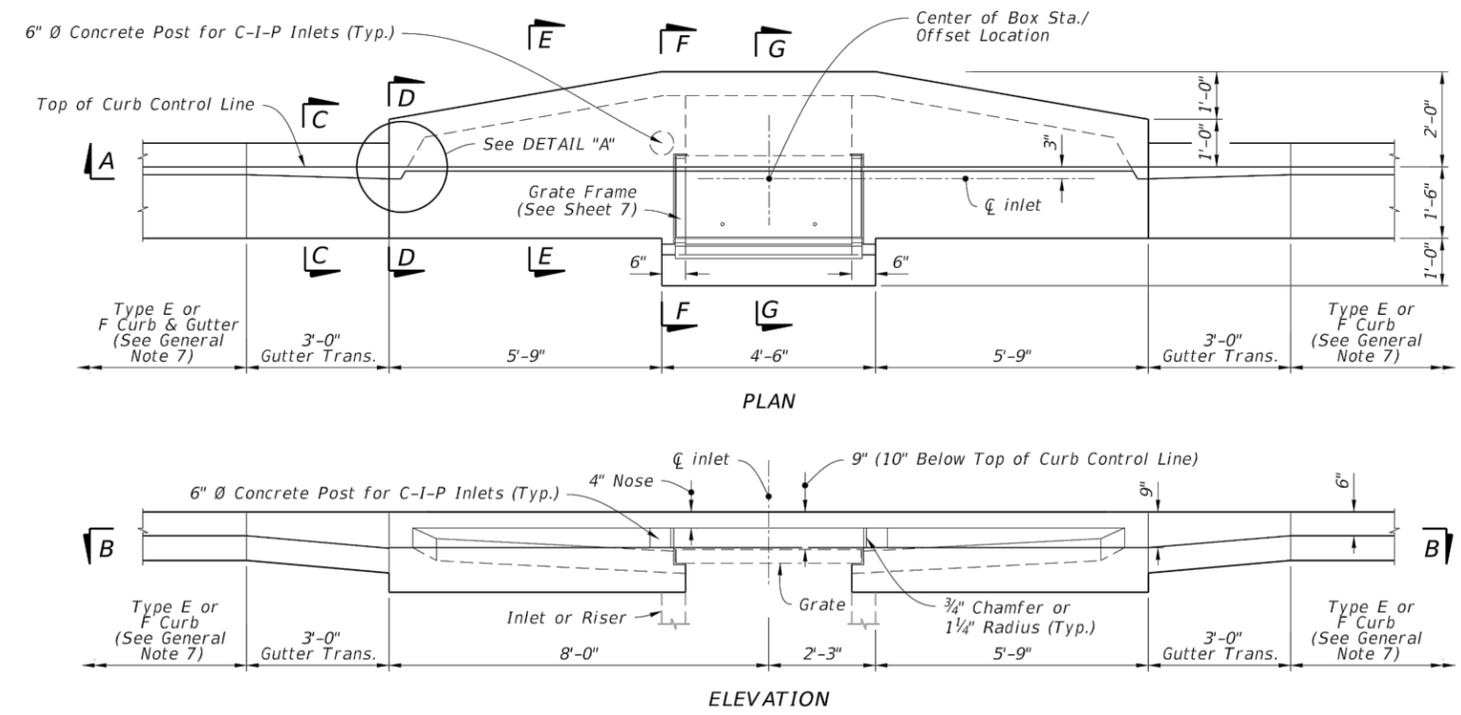


TYPE 5 DIMENSIONAL DETAILS



TYPE 6 DIMENSIONAL DETAILS

TYPE 5 AND 6 DIMENSIONAL DETAILS

9/10/2024 11:31:39 AM

LAST REVISION 11/01/20	DESCRIPTION:	FY 2025-26 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX 425-021	SHEET 2 of 7
---------------------------	--------------	------------------------------	------------------------------	------------------	-----------------

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
DRAWN	PCS				
CHECKED	MP				
QUALITY CHK					
SCALE					

PREPARED FOR:  
City Of Arcadia  
P.O. Drawer 1000  
Arcadia, Florida, 34265  
(863) 494-4114

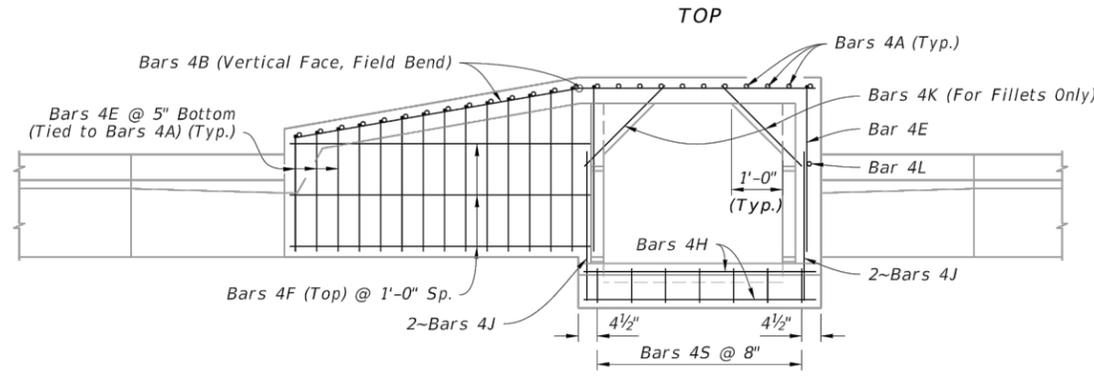
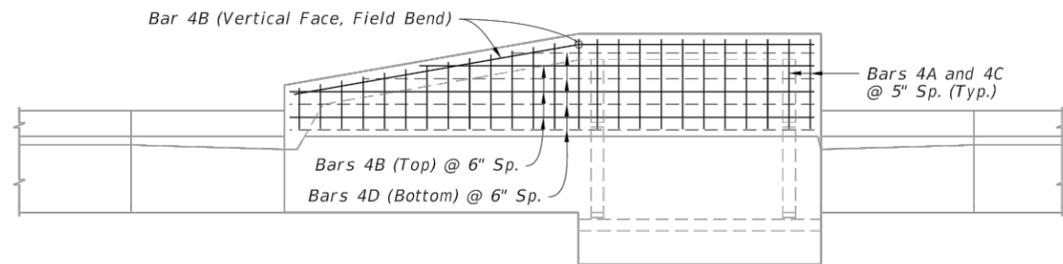


**George F. Young, Inc.**  
525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

No.  
DATE

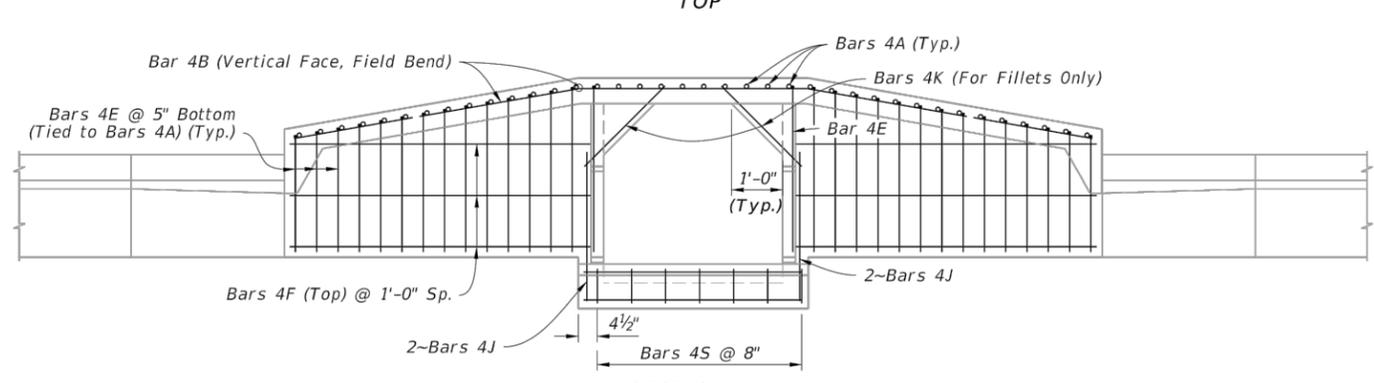
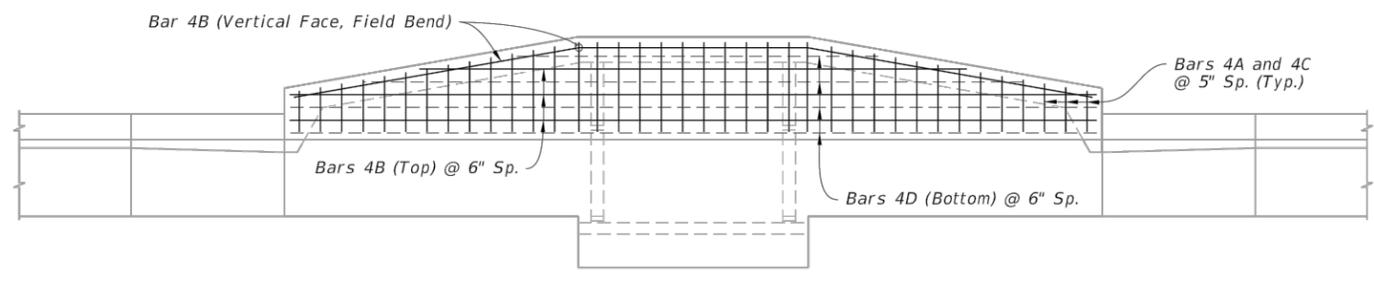
**Arcadia Stormwater and Flood Control**  
Special Details  
INCLUDES PORTIONS OF:  
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO.  
21Y01018LC  
SHEET NO.  
SD31



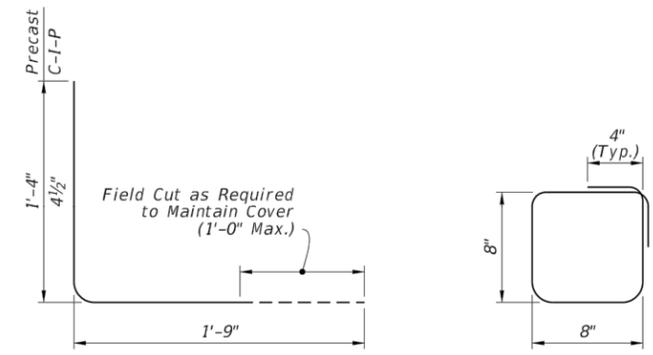
SECTION B-B

TYPE 5 REINFORCING DETAILS

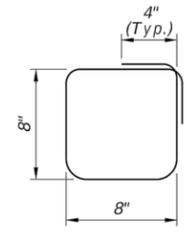


SECTION B-B

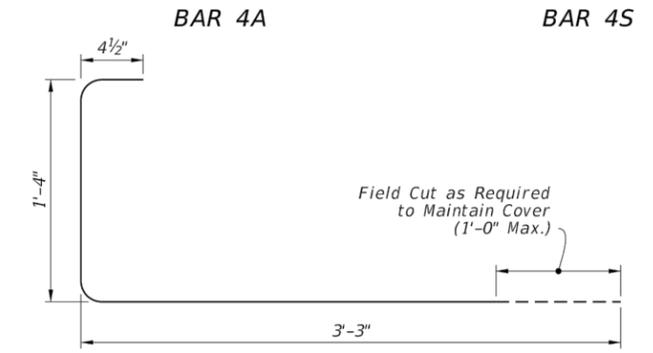
TYPE 6 REINFORCING DETAILS



BAR 4A



BAR 4S



BAR 4E

BILL OF REINFORCING STEEL					
MARK	SIZE	TYPE 5 INLET		TYPE 6 INLET	
		NO.	LENGTH	NO.	LENGTH
A (Precast)	4	25	3'-1"	38	3'-1"
A (C-I-P)	4	25	2'-1 1/2"	38	2'-1 1/2"
B	4	6	10'-3"	6	15'-9"
C	4	25	11" to 1'-11"	38	11" to 1'-11"
D	4	4	10'-3"	4	15'-9"
E	4	16	4'-11 1/2"	30	4'-11 1/2"
F	4	3	6'-0"	6	6'-0"
H	4	4	4'-6"	4	4'-6"
J	4	4	3'-0"	4	3'-0"
K (Fillet)	4	2	2'-3"	2	2'-3"
L (Precast)	4	1	1'-4"	0	---
L (C-I-P)	4	10	1'-4"	9	1'-4"
S	4	7	3'-2"	7	3'-2"

NOTES:

- All bar dimensions in the bending diagrams are out to out.
- Bars 4A and 4E may be combined into a single bar.
- Welded Wire Reinforcement consists of smooth or deformed wire meeting the requirements of Specification 931.

TYPE 5 AND 6 REINFORCING AND BAR BENDING DETAILS

9/10/2024 11:31:46 AM

LAST REVISION	DESCRIPTION:
11/01/20	

FY 2025-26
   
 STANDARD PLANS

CURB INLET TOP TYPES 5 AND 6

INDEX	SHEET
425-021	3 of 7

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
DRAWN	PCS				
CHECKED	MP				
QUALITY CHK					
SCALE					

PREPARED FOR:  
 City Of Arcadia  
 P.O. Drawer 1000  
 Arcadia, Florida, 34265  
 (863) 494-4114

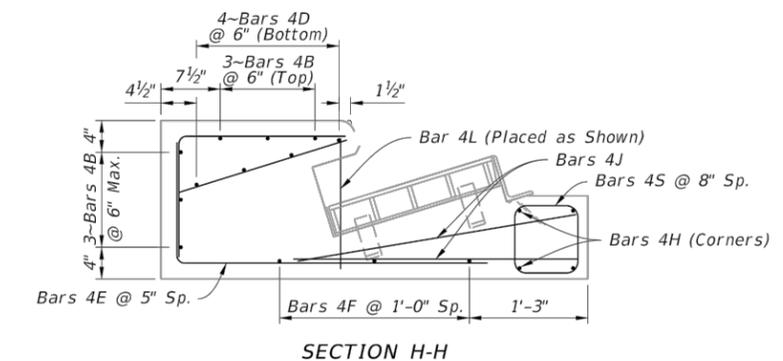
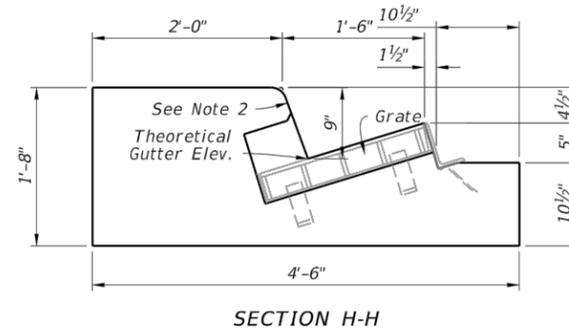
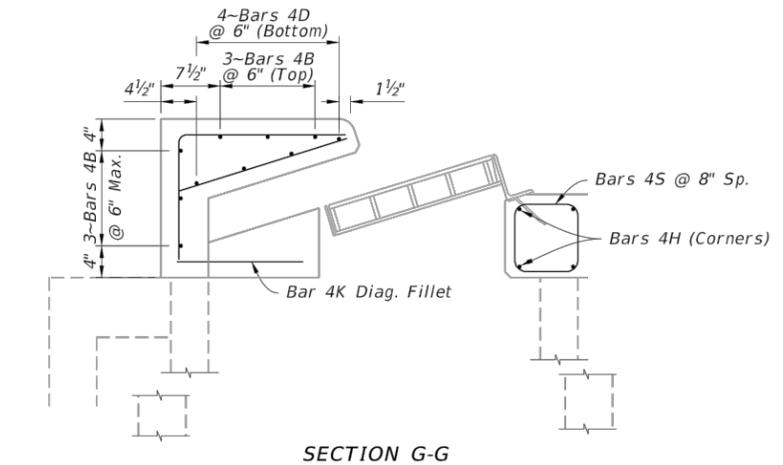
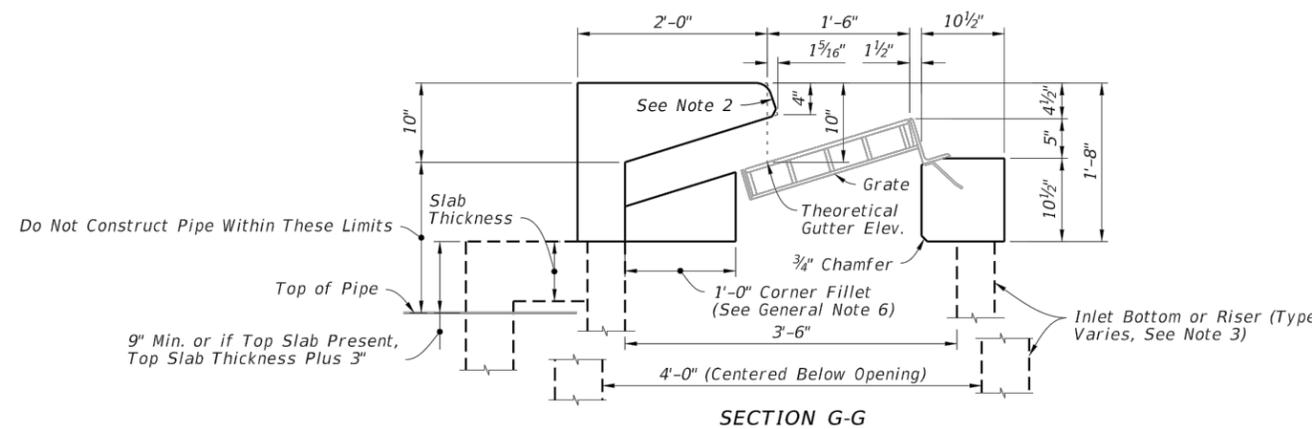
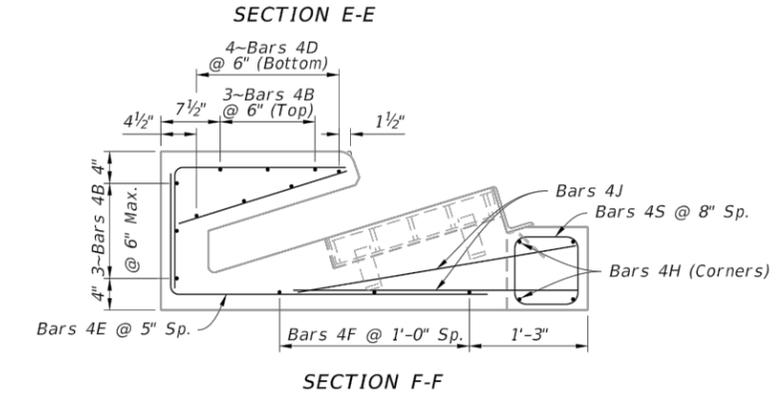
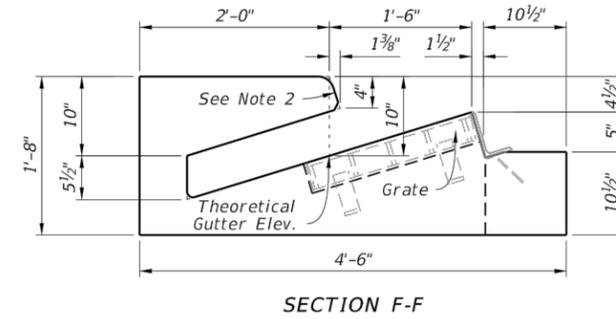
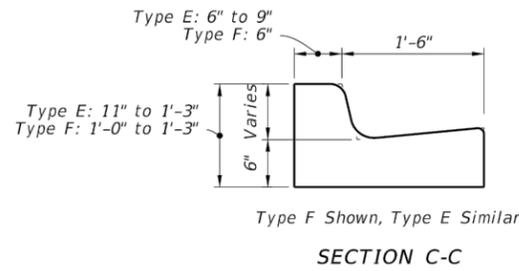
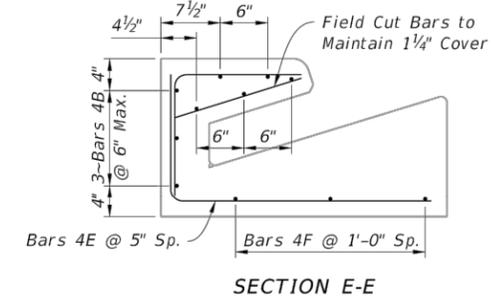
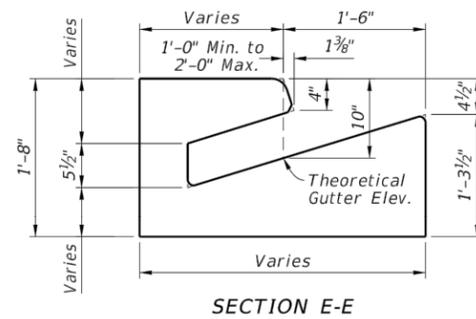
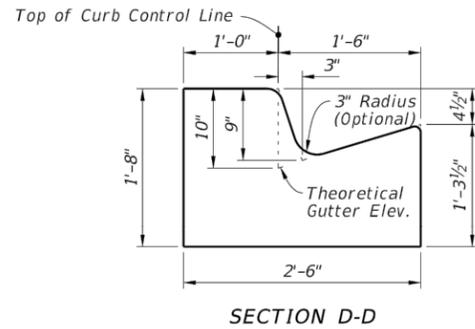


**George F. Young, Inc.**  
 525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
 PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
 CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
 ECOLOGY | GIS | PLANNING | SURVEYING  
 ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

---	No.
---	DATE

**Arcadia Stormwater and Flood Control**  
 Special Details  
 INCLUDES PORTIONS OF:  
 SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO. 21Y01018LC
SHEET NO. SD32



**NOTES:**

1. For location of Sections D-D thru H-H see Sheet 2.
2. Match slope of adjacent curb with 2" top radius and 3/4" bottom chamfer of 1/4" radius.
3. See Plans for bottom and riser type.

**DIMENSIONAL DETAILS**

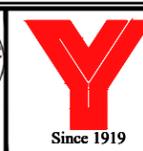
**REINFORCING DETAILS**

**PRECAST DIMENSIONAL AND REINFORCING DETAILS**

LAST REVISION 11/01/20	DESCRIPTION:	FDOT	FY 2025-26 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX 425-021	SHEET 4 of 7
---------------------------	--------------	------	------------------------------	------------------------------	------------------	-----------------

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
DRAWN	PCS				
CHECKED	MP				
QUALITY CHK					
SCALE					

PREPARED FOR:  
City Of Arcadia  
P.O. Drawer 1000  
Arcadia, Florida, 34265  
(863) 494-4114



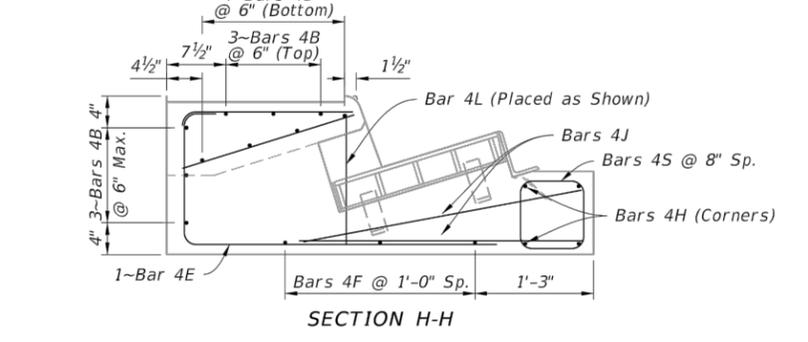
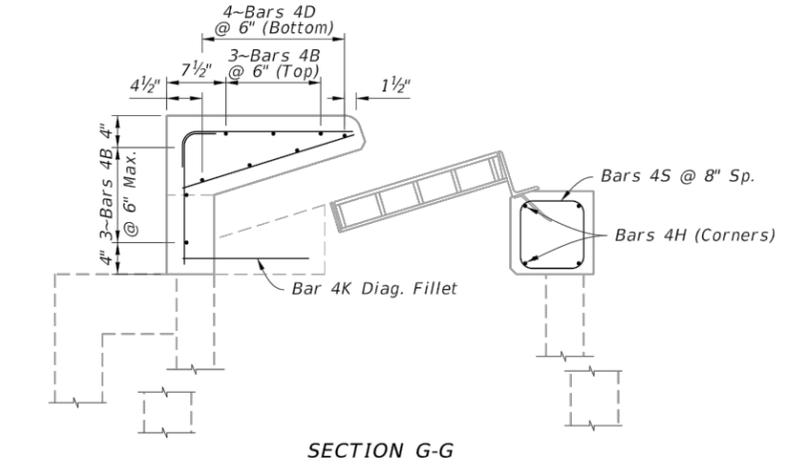
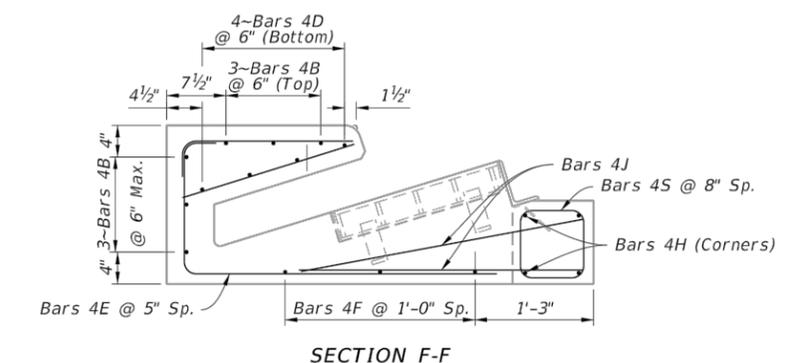
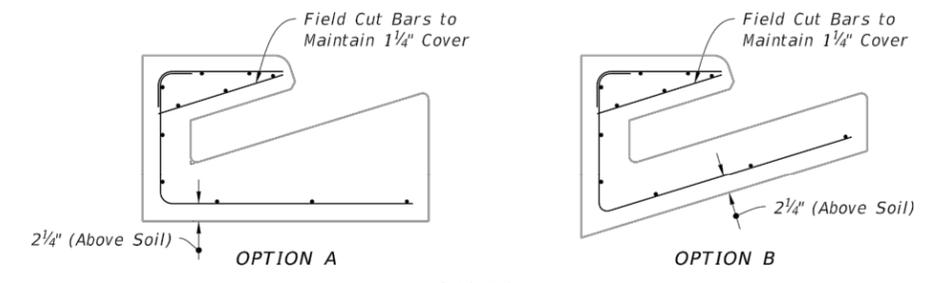
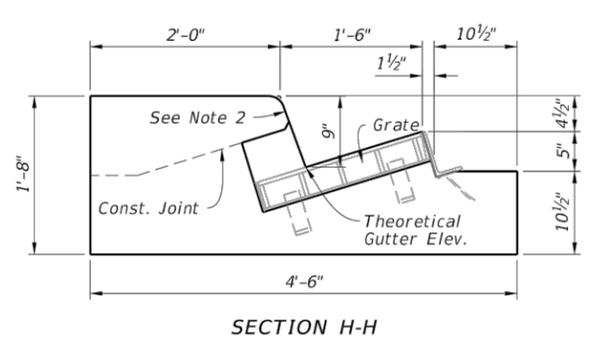
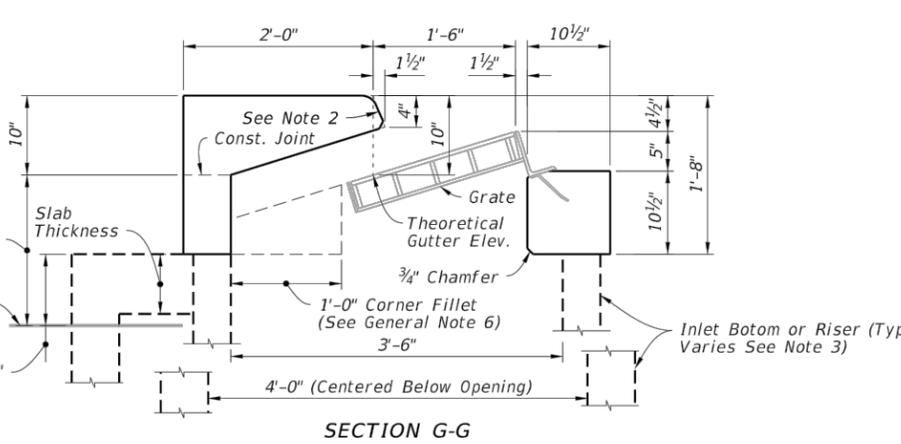
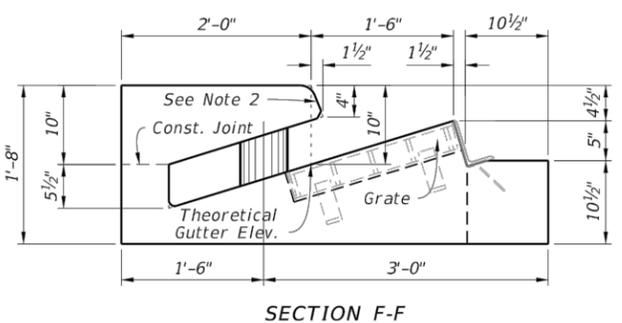
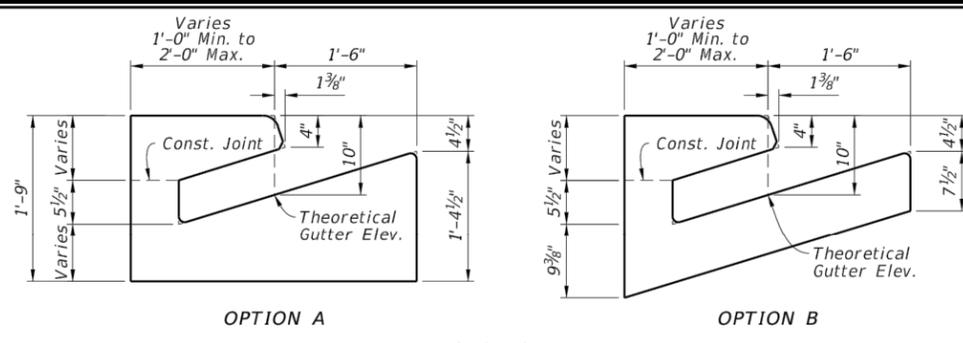
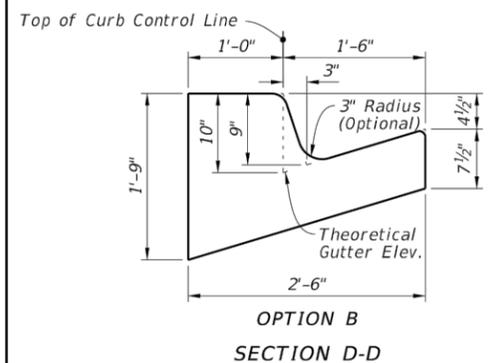
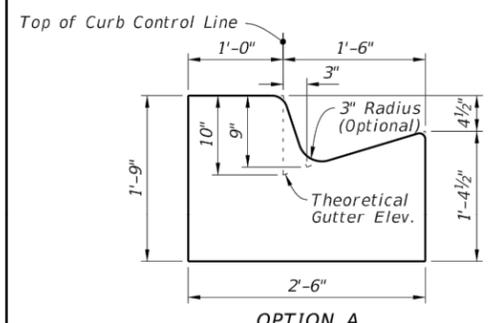
**George F. Young, Inc.**  
525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

No.  
DATE

**Arcadia Stormwater and Flood Control**  
Special Details  
INCLUDES PORTIONS OF:  
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO.  
21Y01018LC  
SHEET NO.  
SD33

9/10/2024 11:31:54 AM



- NOTES:**
1. For location of Sections D-D thru H-H see Sheet 2.
  2. Match slope of adjacent curb with 2" top radius and 3/4" bottom chamfer of 1/4" radius.
  3. See Plans for bottom and riser type.

Do Not Construct Pipe Within These Limits

Slab Thickness

Top of Pipe

9" Min. or if Top Slab Present, Top Slab Thickness Plus 3"

DIMENSIONAL DETAILS

REINFORCING DETAILS  
CAST-IN-PLACE DIMENSIONAL AND REINFORCING DETAILS

9/10/2024 11:32:02 AM

LAST REVISION	DESCRIPTION:
11/01/20	

**FDOT** FY 2025-26 STANDARD PLANS

CURB INLET TOP TYPES 5 AND 6

INDEX	SHEET
425-021	5 of 7

NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE
				JV		
				PCS		
				MP		

PREPARED FOR:  
City Of Arcadia  
P.O. Drawer 1000  
Arcadia, Florida, 34265  
(863) 494-4114

**George F. Young, Inc.**  
525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CIVIL, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

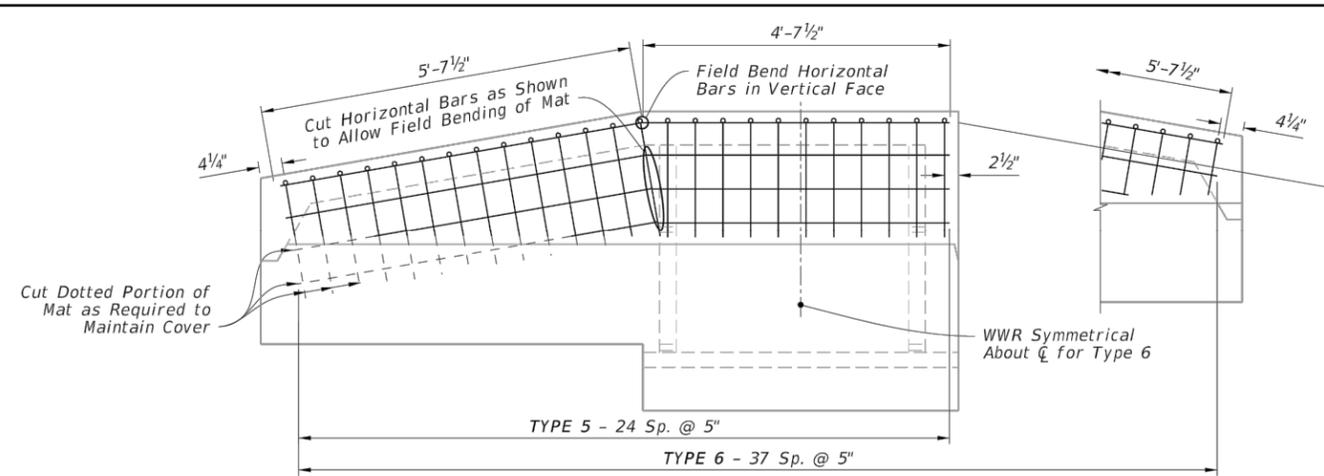
NO.	
DATE	

**Arcadia Stormwater and Flood Control**  
Special Details

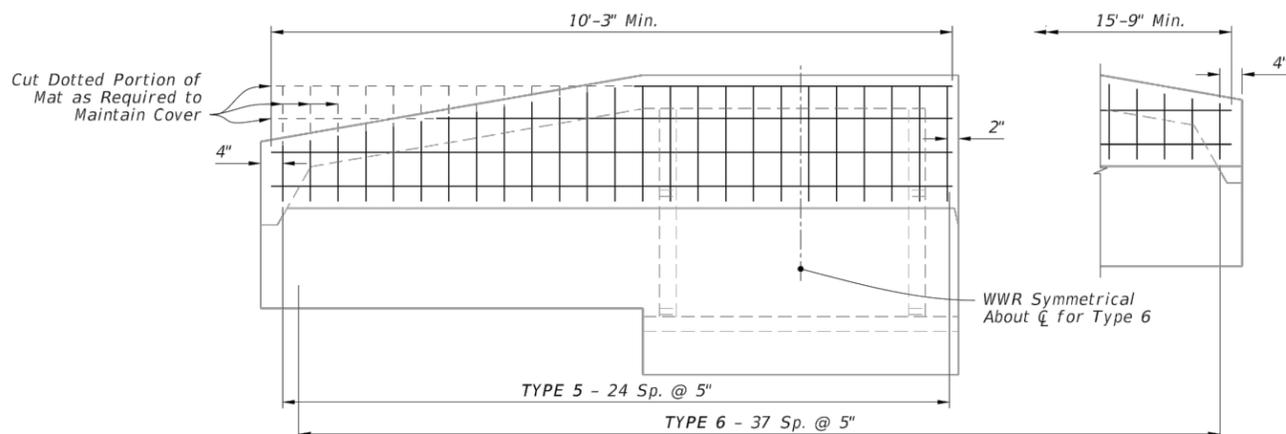
INCLUDES PORTIONS OF:  
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO.  
21Y01018LC

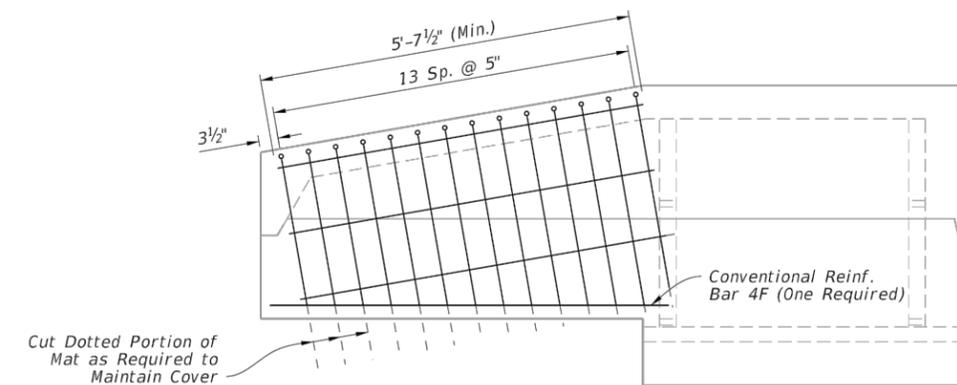
SHEET NO.  
SD34



PIECE - 1 PLACEMENT SCHEMATIC

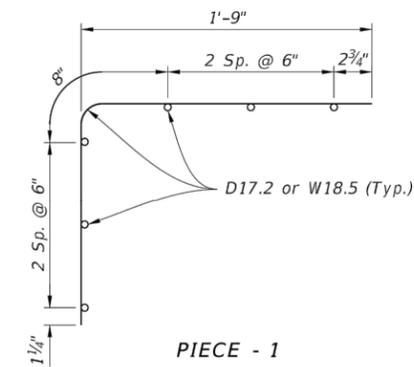


PIECE - 2 PLACEMENT SCHEMATIC

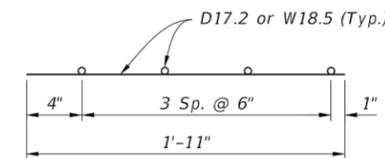


PIECE - 3 PLACEMENT SCHEMATIC

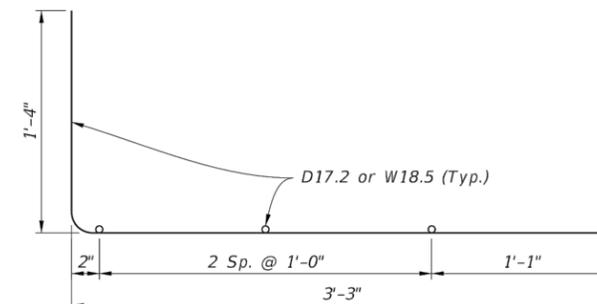
WWR REINFORCING DETAILS



PIECE - 1

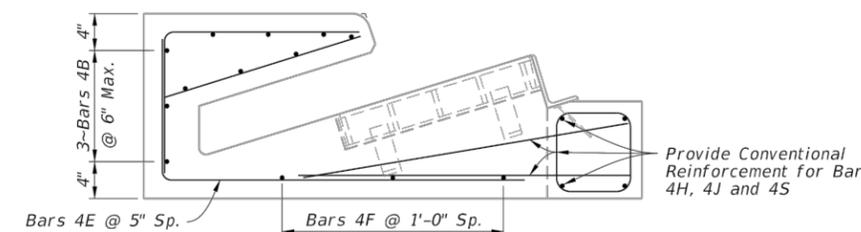


PIECE - 2



PIECE - 3

WELDED WIRE REINFORCING DETAILS



TYPICAL SECTION

NOTES:

- All bar dimensions in the bending diagrams are out to out.
- Welded Wire Reinforcement consists of Smooth or Deformed wire meeting the requirements of Specification 931.

ALTERNATE WELDED WIRE REINFORCING (WWR) DETAILS

9/10/2024 11:32:09 AM

LAST REVISION	DESCRIPTION:
11/01/20	

**FDOT** FY 2025-26 STANDARD PLANS

CURB INLET TOP TYPES 5 AND 6

INDEX	SHEET
425-021	6 of 7

NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE
				JV		
				PCS		
				MP		

PREPARED FOR:  
City Of Arcadia  
P.O. Drower 1000  
Arcadia, Florida, 34265  
(863) 494-4114



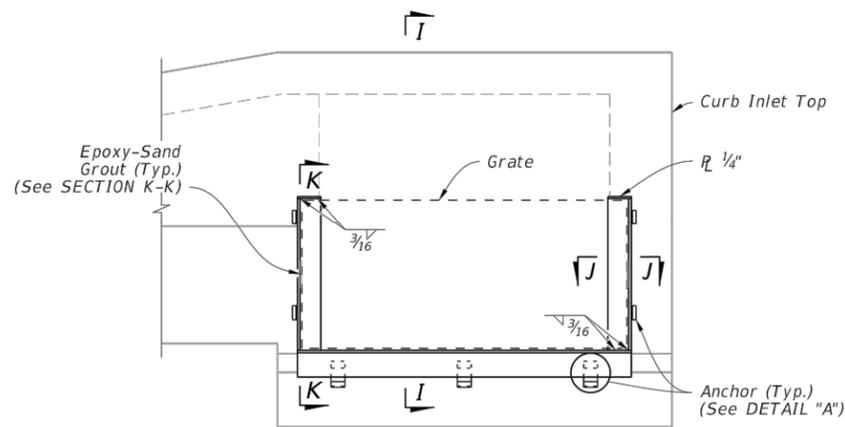
**George F. Young, Inc.**  
525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

No.
DATE

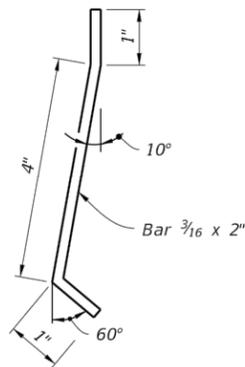
**Arcadia Stormwater and Flood Control**  
Special Details  
INCLUDES PORTIONS OF:  
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO. 21Y01018LC
SHEET NO. SD35

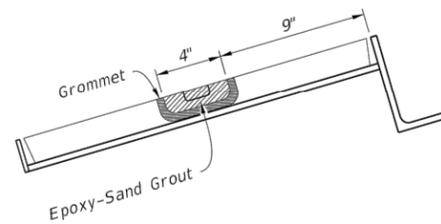
PLOTTED: 4/24/2025 9:56:56 AM, Philip FILE: C:\Users\psmith\George F. Young, Inc\PG Team - General\21Y01018LC SA 29 Arcadia Stormwater and Flood Control\Drawings\21Y01018LC-SP-DET.dwg



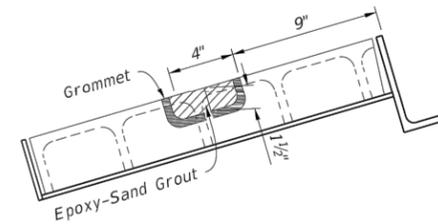
FRAME DETAIL



ANCHOR  
DETAIL "A"

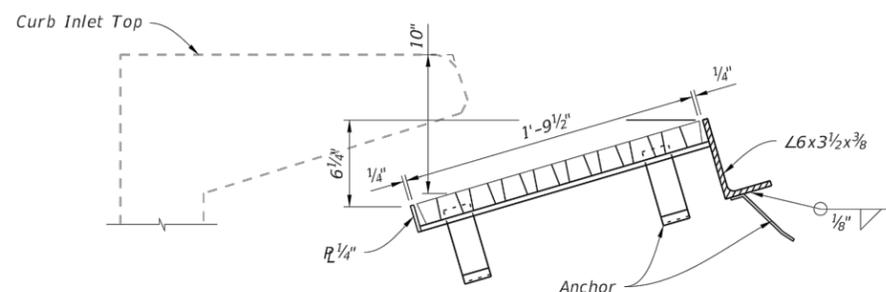


CAST IRON GRATE GROUTING DETAILS

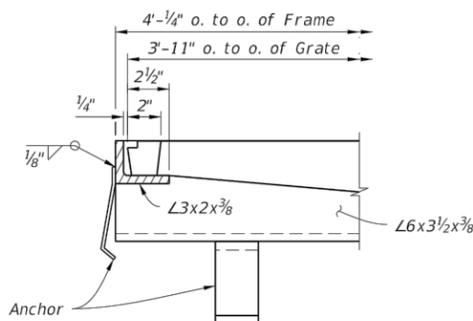


STEEL GRATE GROUTING DETAILS

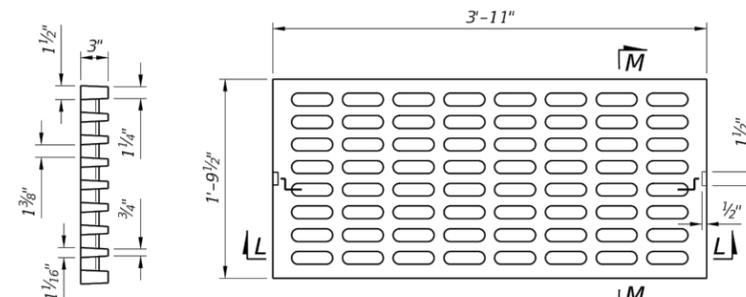
SECTION K-K



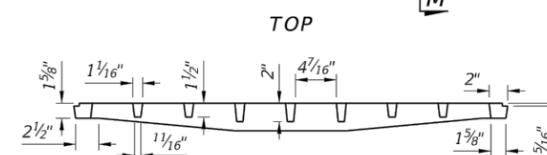
SECTION I-I



SECTION J-J

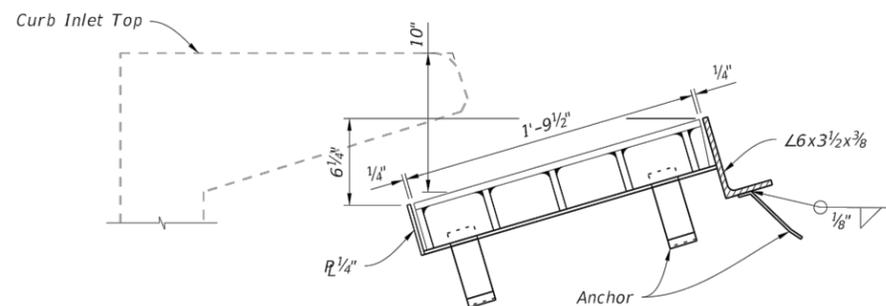


SECTION M-M

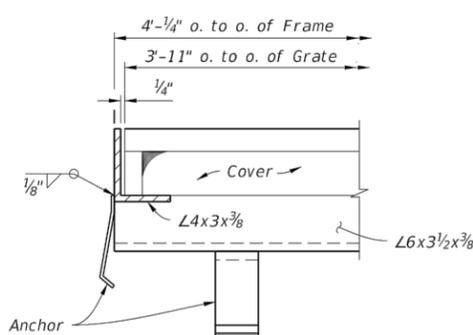


SECTION L-L

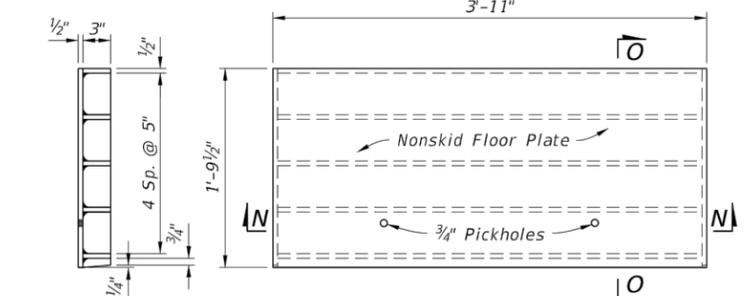
CAST IRON GRATE



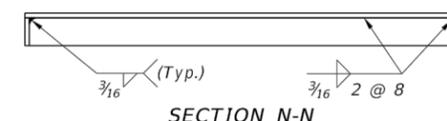
SECTION I-I



SECTION J-J



SECTION O-O



SECTION N-N

STEEL GRATE

GRATE, ANCHOR, AND GROUTING DETAILS

LAST REVISION 11/01/20	DESCRIPTION:	FDOT FY 2025-26 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX 425-021	SHEET 7 of 7
---------------------------	--------------	--------------------------------------	------------------------------	------------------	-----------------

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
DRAWN	PCS				
CHECKED	MP				
QUALITY CHK					
SCALE					

PREPARED FOR:  
City Of Arcadia  
P.O. Drawer 1000  
Arcadia, Florida, 34265  
(863) 494-4114



**George F. Young, Inc.**  
525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

No.  
DATE

**Arcadia Stormwater and Flood Control**  
Special Details  
INCLUDES PORTIONS OF:  
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

JOB NO.  
21Y01018LC  
SHEET NO.  
SD36

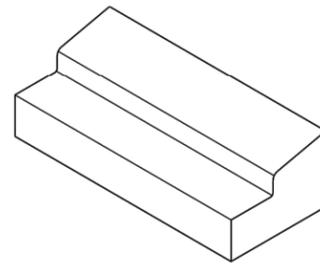
9/10/2024 11:32:17 AM

PLOTTED: 4/24/2026 09:56:56 AM, Philip FILE: C:\Users\psmith\George F. Young, Inc\PG Team - General\21Y01018LC SA 29 Arcadia Stormwater and Flood Control\Drawings\21Y01018LC-SP-DET.dwg

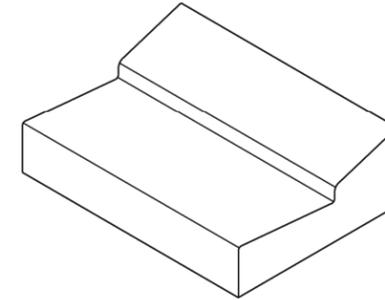
**GENERAL NOTES:**

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.

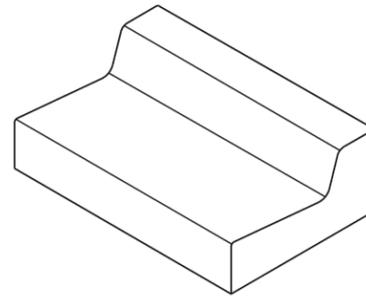
TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Concrete Curb and Gutter
3	Curb and Gutter Joints and Endings, Concrete Bumper Guard, and Asphaltic Concrete Curb



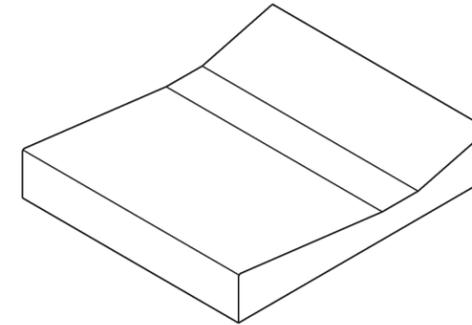
TYPE A



TYPE E

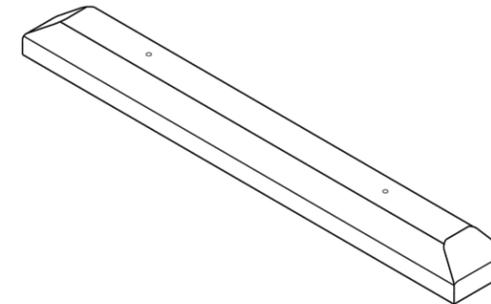


TYPE F



SHOULDER GUTTER

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



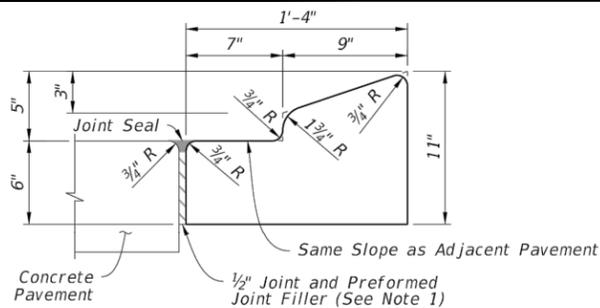
===== CONCRETE BUMPER GUARD =====

9/10/2024 1:17:53 PM

LAST REVISION 11/01/21	DESCRIPTION:	<b>FY 2025-26</b> STANDARD PLANS	<b>CURB AND GUTTER</b>	INDEX 520-001	SHEET 1 of 3
---------------------------	--------------	-------------------------------------	------------------------	------------------	-----------------

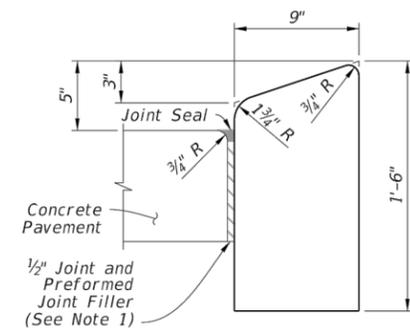
REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR:	 City Of Arcadia P.O. Drawer 1000 Arcadia, Florida, 34265 (863) 494-4114	 <b>George F. Young, Inc.</b> 525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950 PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING ECOLOGY   GIS   PLANNING   SURVEYING ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA	No. DATE	<b>Arcadia Stormwater and Flood Control</b> Special Details INCLUDES PORTIONS OF: SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.	JOB NO. 21Y01018LC SHEET NO. SD37
					DRAWN	PCS							
					CHECKED	MP							
					QUALITY CHK								
					SCALE								

PLOTTED: 4/24/2025 9:46:56 AM Philip FILE: C:\Users\psmith\George F. Young, Inc\PG Team - General\21Y01018LC SA 29 Arcadia Stormwater and Flood Control\Draw\CDs\21Y01018LC-SP-DET.dwg



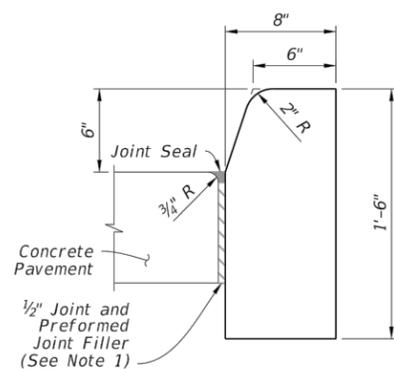
NOTE: For use adjacent to concrete or flexible pavement, concrete shown (See Note 4).

TYPE A



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

TYPE B

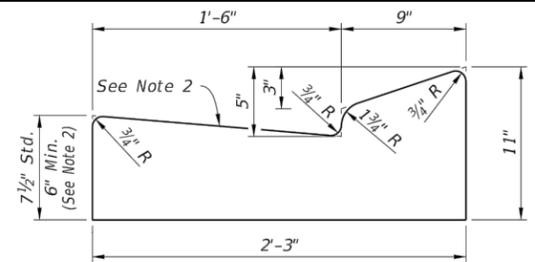


NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

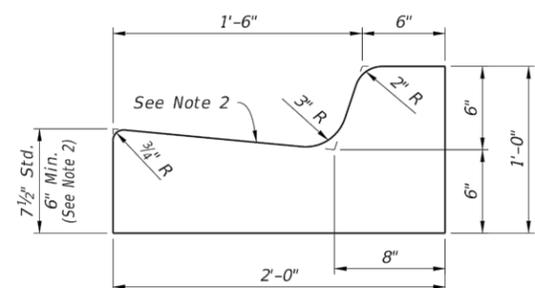
TYPE D

NOTES:

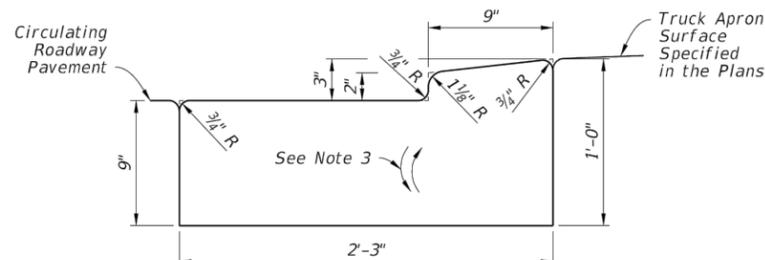
- For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.
- For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope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



TYPE E

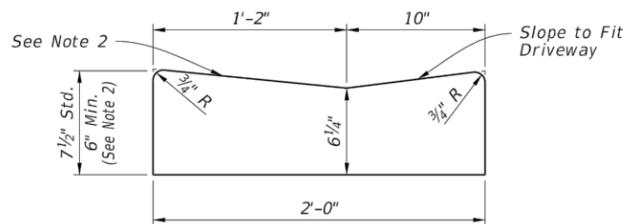


TYPE F

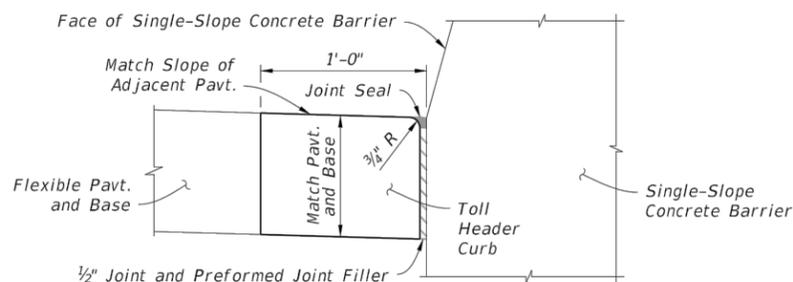


NOTE: Traffic Bearing Sections for use in Roundabout Central Island Construction.

TYPE RA

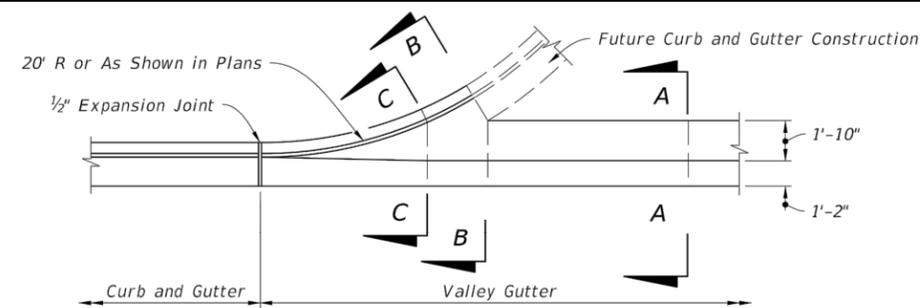


DROP CURB

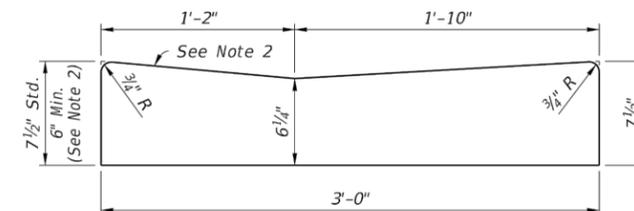


NOTE: See the toll site details for conduit requirements.

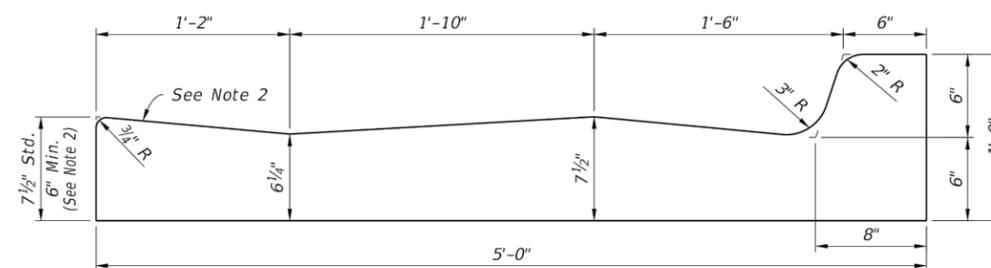
TOLL HEADER CURB



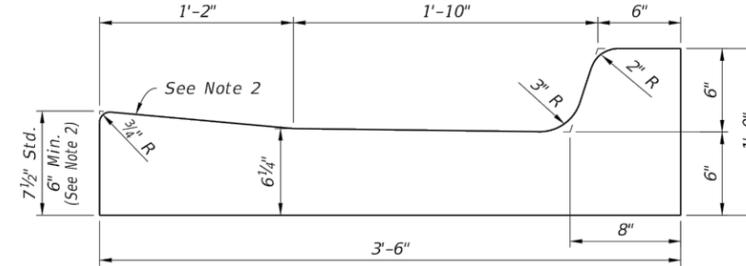
PLAN VIEW



SECTION A-A

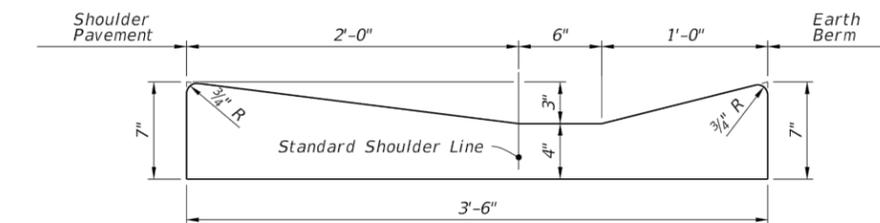


SECTION B-B



SECTION C-C

VALLEY GUTTER



SHOULDER GUTTER

CONCRETE CURB AND GUTTER

9/10/2024 1:18:00 PM

NO.	BY	DATE	DESCRIPTION
1	REVISION	11/01/21	DESCRIPTION:

FDOT FY 2025-26 STANDARD PLANS

CURB AND GUTTER

INDEX SHEET 520-001 2 of 3

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE
DESIGN	JV				
DRAWN	PCS				
CHECKED	MP				
QUALITY CHK					
SCALE					

PREPARED FOR:  
City Of Arcadia  
P.O. Drawer 1000  
Arcadia, Florida, 34265  
(863) 494-4114

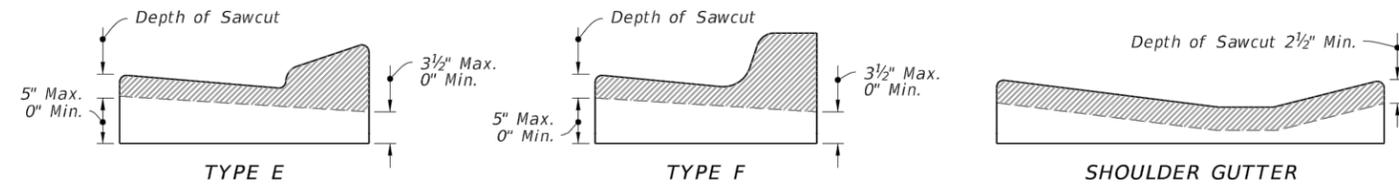
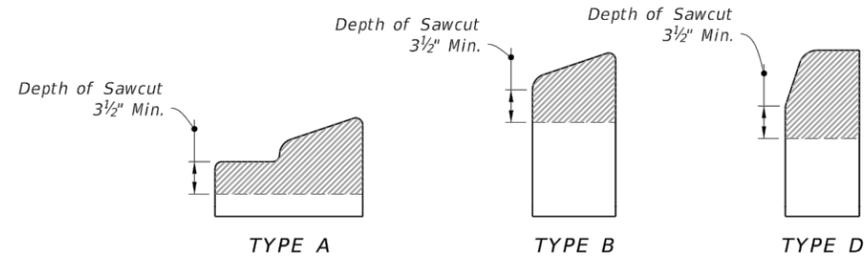


George F. Young, Inc.  
525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950  
PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA

DATE	No.
------	-----

Arcadia Stormwater and Flood Control  
Special Details  
INCLUDES PORTIONS OF:  
SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.

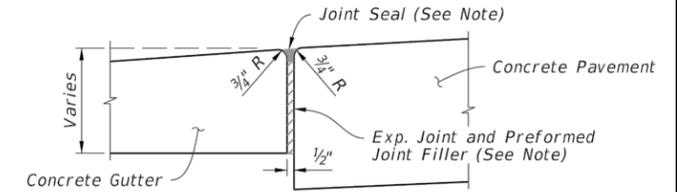
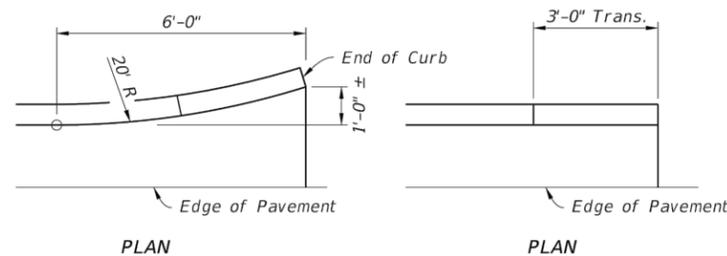
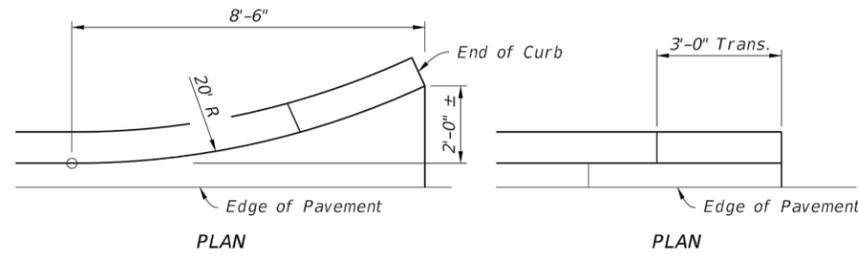
JOB NO. 21Y01018LC  
SHEET NO. SD38



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

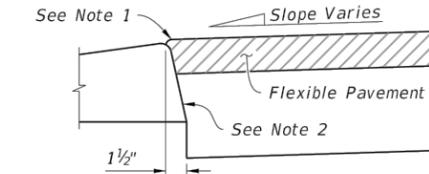
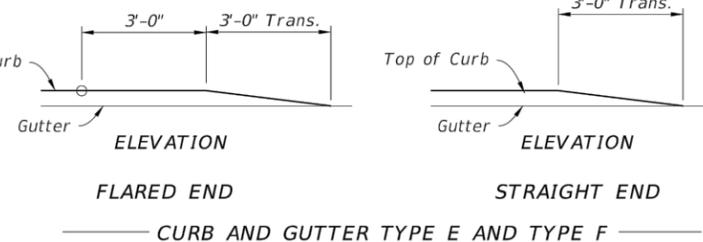
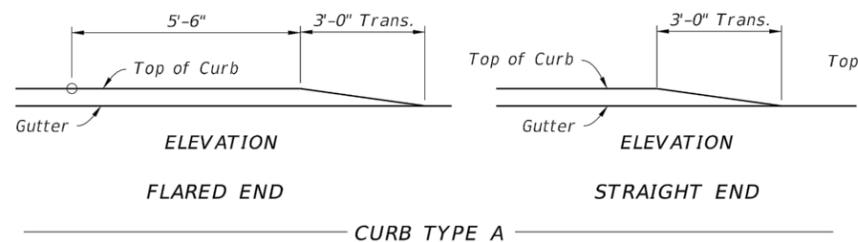
CONTRACTION JOINTS IN CURB

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

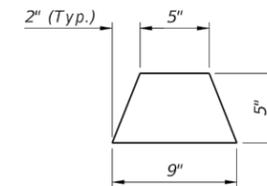
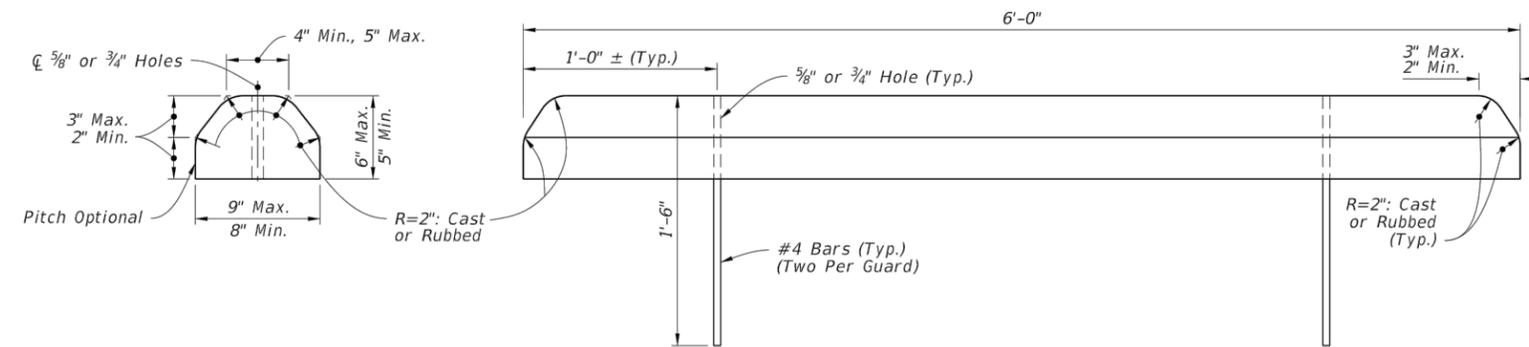


NOTES:  
 1. Surface on Low Side of Pavement to be 1/4" Above Lip of Gutter. Surface on High Side to be Flush With Lip of Curb or Curb & Gutter.  
 2. Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT

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

CURB AND CURB & GUTTER ENDINGS



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

NO.	BY	DATE	DESCRIPTION	INITIALS	DATE	PREPARED FOR:	FY 2025-26 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001	SHEET 3 of 3
11/01/21						City Of Arcadia P.O. Drawer 1000 Arcadia, Florida, 34265 (863) 494-4114				

REVISED	DESIGN	JV		PREPARED FOR:			George F. Young, Inc. 525 OLYMPIA AVENUE, SUITE 5 PUNTA GORDA, FLORIDA 33950 PHONE (352) 378-1444 WWW.GEORGEFYOUNG.COM ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CML, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING ECOLOGY   GIS   PLANNING   SURVEYING ST. PETERSBURG • LAKEWOOD RANCH • TAMPA • GAINESVILLE • LAKE WALES • PUNTA GORDA	No. DATE	Arcadia Stormwater and Flood Control Special Details INCLUDES PORTIONS OF: SECTIONS 25, 26, 31, 36, TOWNSHIP 37S., RANGE 24, 25E.	JOB NO. 21Y01018LC SHEET NO. SD39
	DRAWN	PCS								

9/10/2024 1:18:07 PM

PLOTTED: 4/24/2025 9:56:56 AM, Philip FILE: C:\Users\psmith\George F. Young, Inc\PG Team - General\21Y01018LC SA 29 Arcadia Stormwater and Flood Control\Drawings\21Y01018LC-SP-DET.dwg

