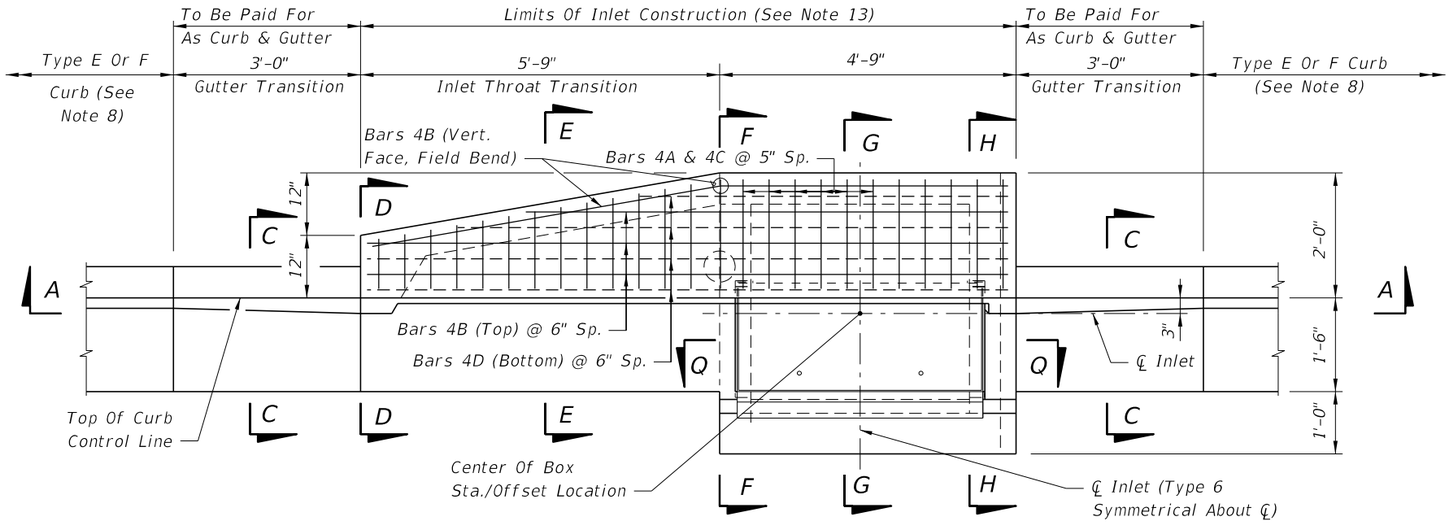
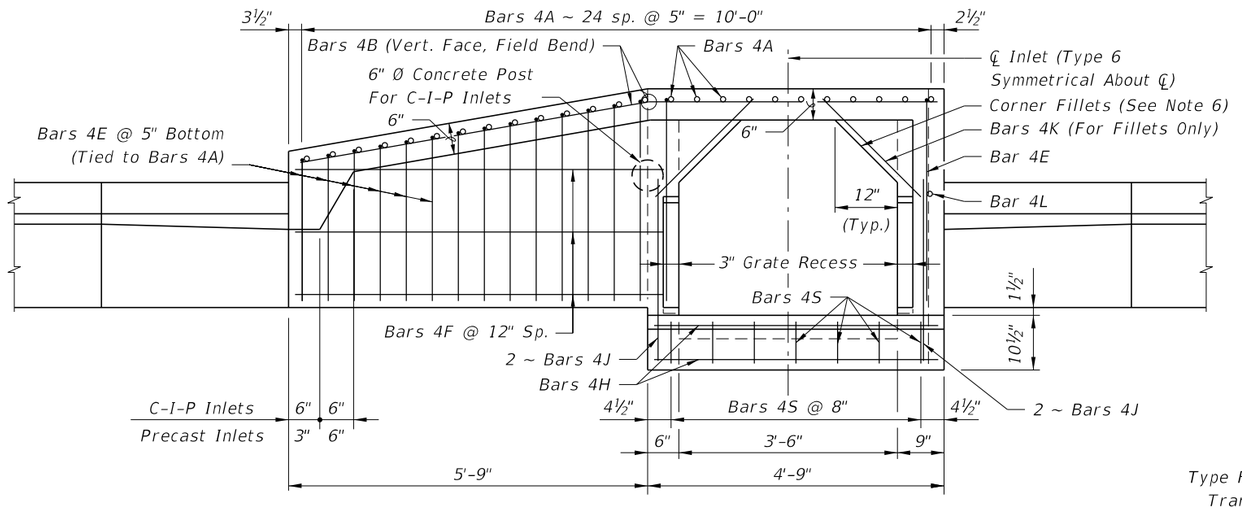
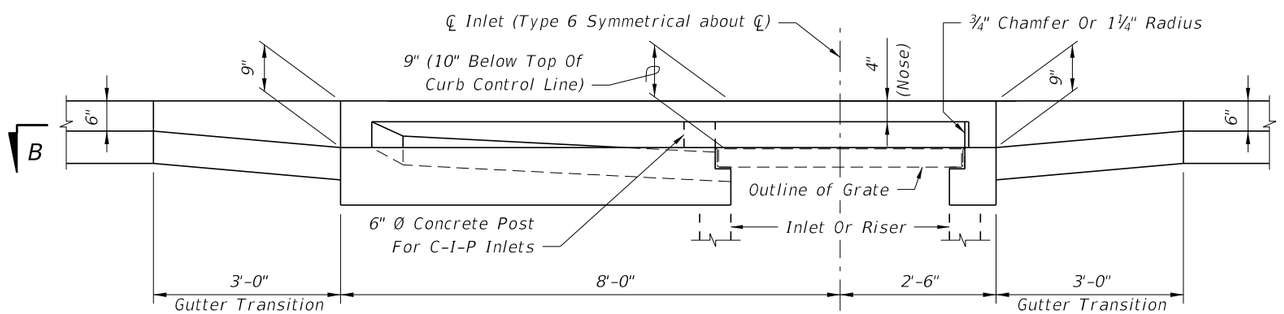


TOP VIEW



SECTION BB

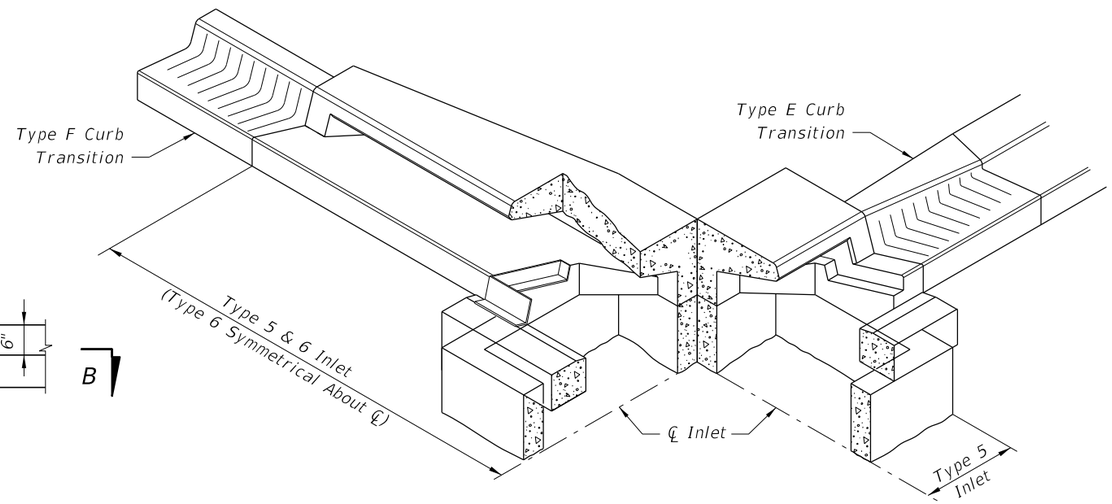


SECTION AA (At ℄ Inlet)

INLET TYPE 5 (Curb Inlet Type 6 Symmetrical With Left Half)

GENERAL NOTES

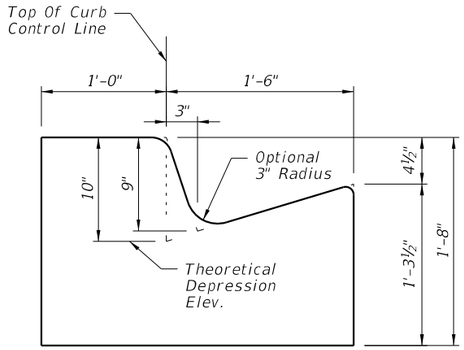
1. The finished grade and slope of the inlet tops are to conform with the finished cross slope and grade of the proposed sidewalk and/or border.
2. For inlets constructed on a curve, refer to the plans to determine the radius, and modify the inlet details accordingly. Bend steel when necessary.
3. All reinforcing steel to be Grade 60 bars with 1¼" minimum cover unless otherwise shown, see Sheet 4 for equivalent area Welded Wire Reinforcement details.
4. Inlet tops shall be either cast-in-place or precast concrete. Precast units shall conform to the dimensions shown or in accordance with approved shop drawing's. Request for shop drawing approval shall be directed to the State Drainage Engineer.
5. Concrete meeting the requirements of ASTM C478 (4,000 psi) may be used in lieu of Class II concrete for precast units, manufactured in plants which meet the requirements of Section 449 of the Specifications.
6. Corner fillets are required at inlet opening for precast units or C-I-P units used in conjunction with circular inlet bottoms or skewed rectangular inlet boxes. Finish top of fillets flush with drain throat bottom and match slope.
7. For inlet bottoms see Index No. 200. Inlet tops are to be used with Type P bottoms, or Type J bottoms with 3'-6" square (Type B), 3'-6" or 4' round (Type A) risers or top slab openings.
8. These inlet tops are designed for use with standard curb and gutter Type E and Type F. Locate inlet outside of pedestrian crosswalks. For Type E curb, transition the shape of the curb over the gutter transition length to match the face of the inlet (Type F).
9. See Index No. 201 for supplemental details.
10. All steel used for frame and grate shall meet the requirements of ASTM A36/A36M.
11. Either cast iron grates or steel grates may be used.
12. When Alternate "G" grate is specified in the plans either the cast iron grate and galvanized steel frame or the the galvanized steel grate and frame must be used. Grates are to be grouted in accordance with the grouting detail shown on Sheet 5, in lieu of tack welding.
13. Inlet to be paid for under the contract unit price for Inlets (Curb) (Type _), Each.



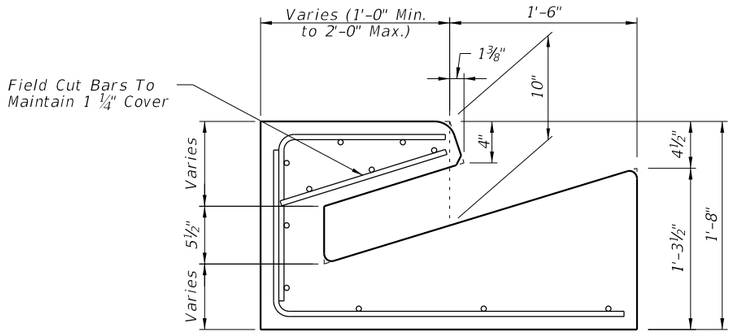
SKETCH SHOWING FRAME SEAT AND THROAT RECESS

10/18/2016 3:35:34 PM

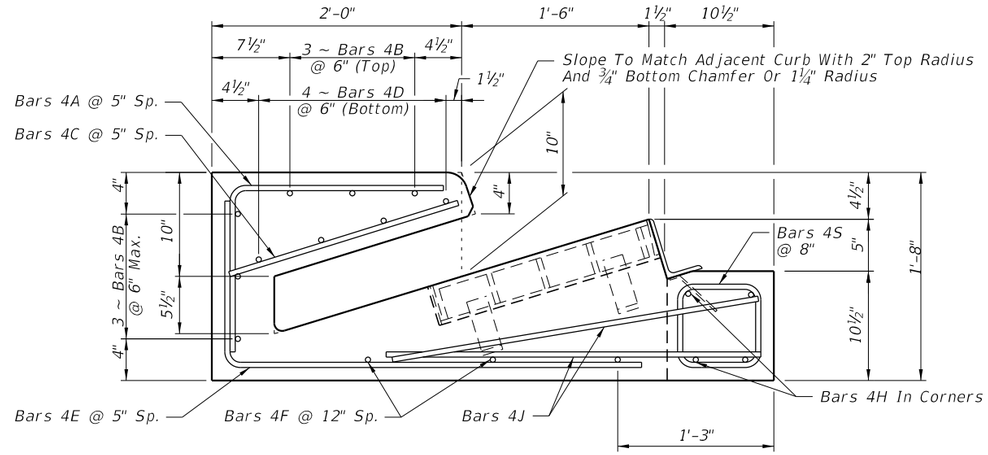
LAST REVISION	REVISION	DESCRIPTION:			INDEX NO.	SHEET NO.
11/01/16			FDOT FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	211	1 of 5



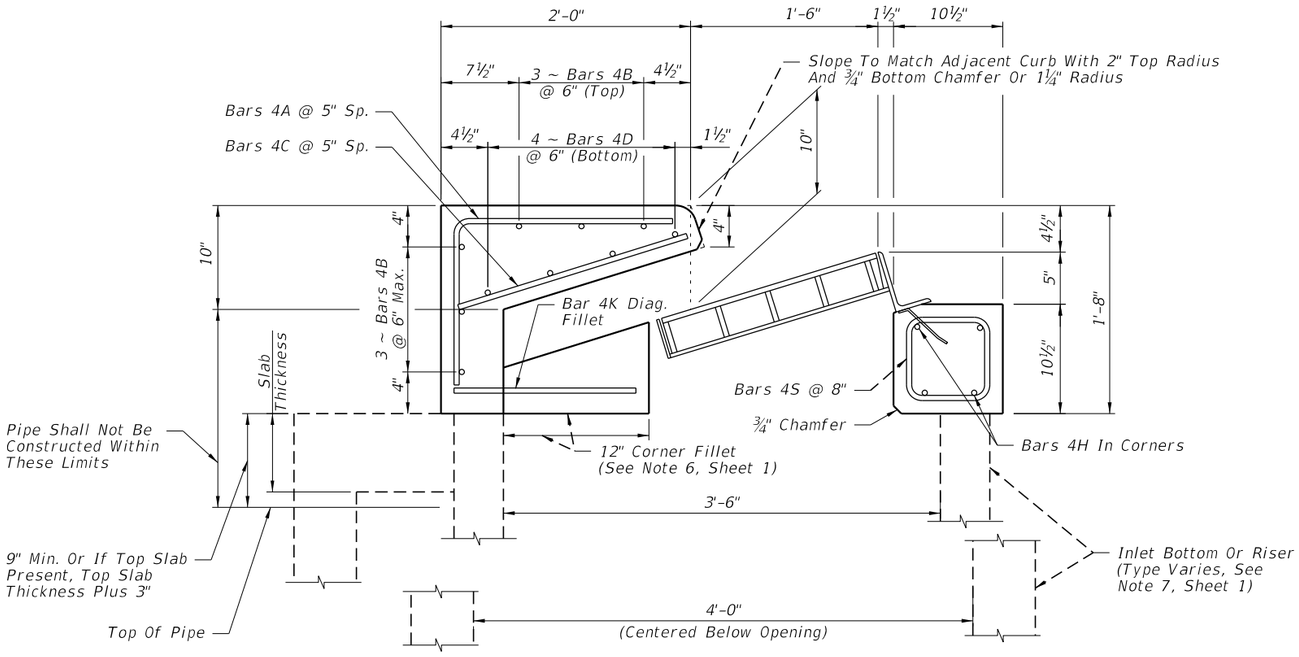
SECTION DD
(End View Of Inlet)



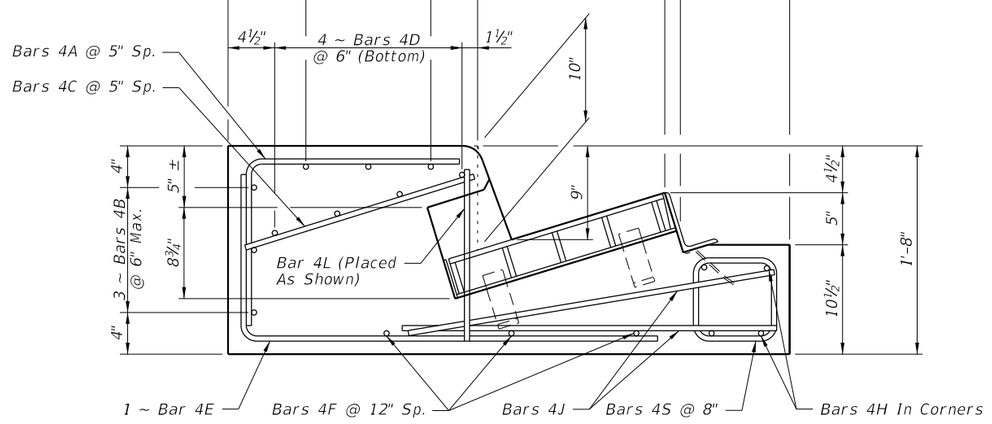
SECTION EE



SECTION FF



SECTION GG



SECTION HH
(Type 5 Inlet Only)

CROSS REFRENCES:
For General Notes See Sheet 1.
For Location Of Sections DD
Thru HH See Sheet 1.

PRECAST DETAILS

LAST REVISION	REVISION	DESCRIPTION:			INDEX NO.	SHEET NO.
07/01/12			FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	211	2 of 5

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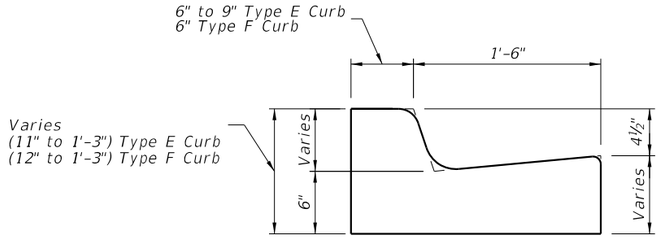
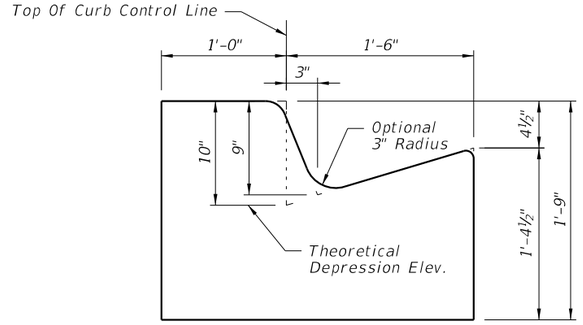
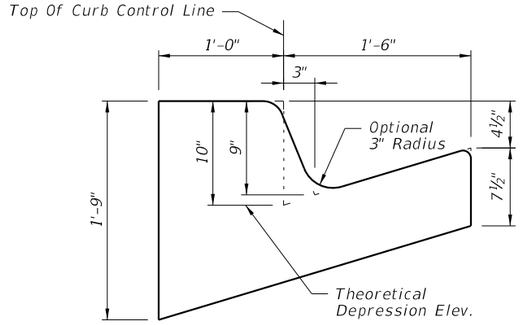


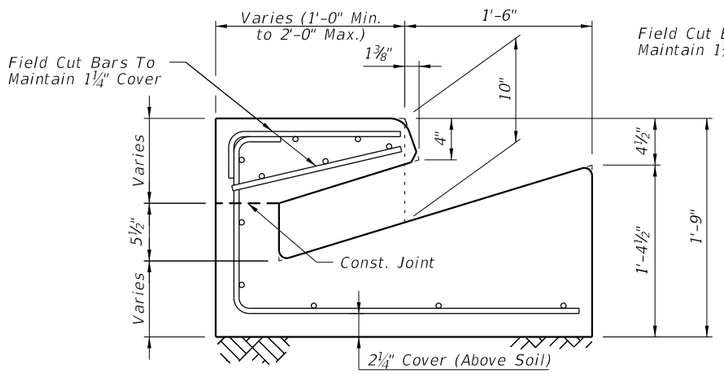
SECTION CC
(Gutter Transition
Type F Shown, Type E Similar)



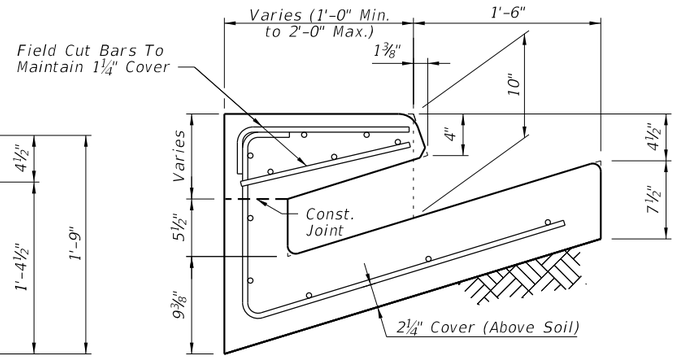
SECTION DD (OPTION A)
(End View Of Inlet)



SECTION DD (OPTION B)
(End View Of Inlet)



SECTION EE (OPTION A)



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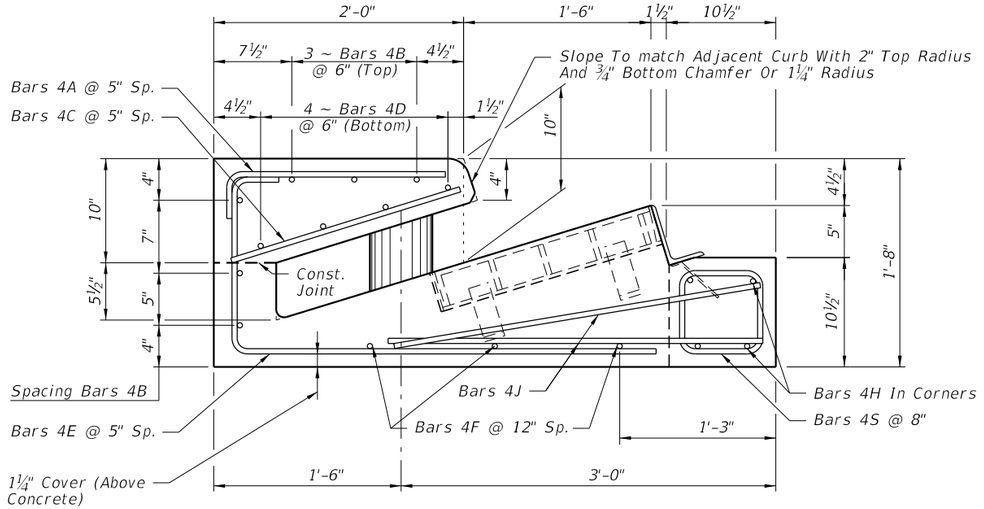
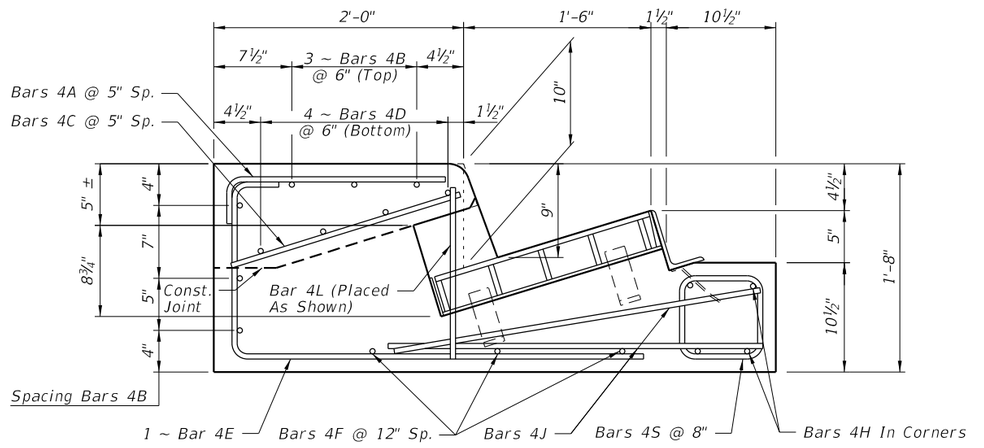
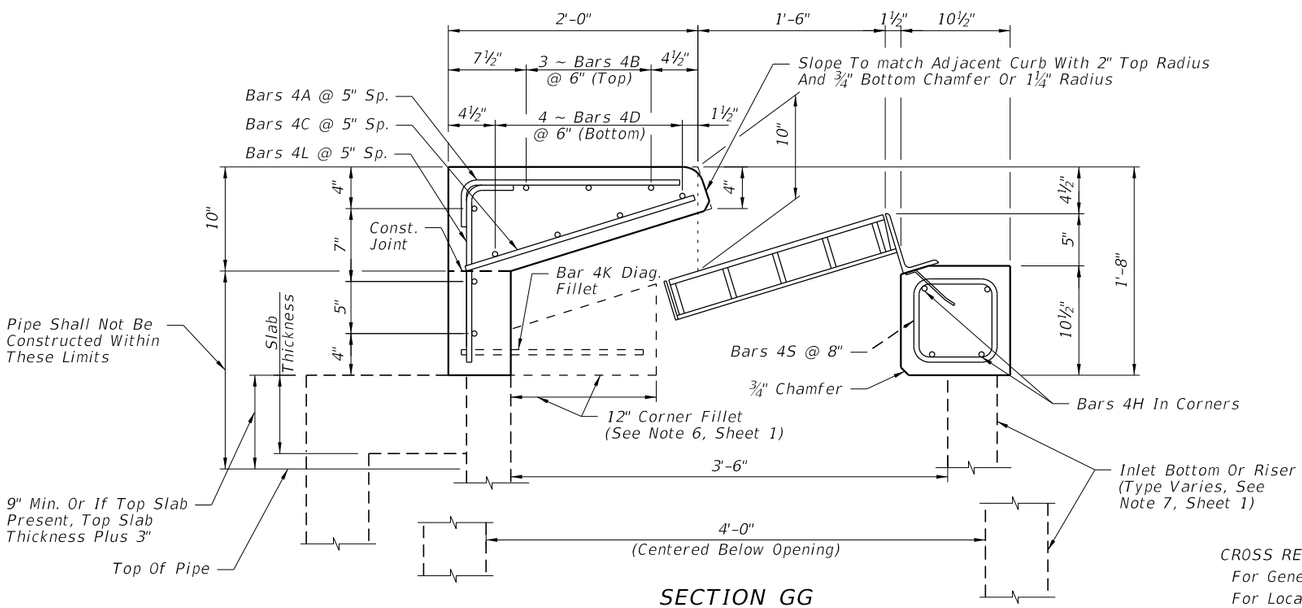


SECTION FF



SECTION HH (Type 5 Inlet Only)



SECTION GG

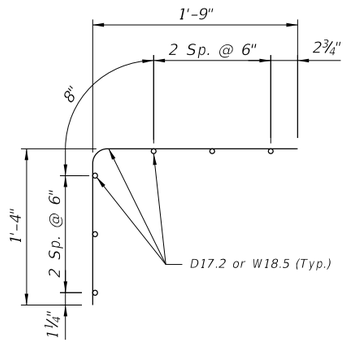
CROSS REFRENCES:
For General Notes See Sheet 1.
For Location Of Sections CC Thru HH See Sheet 1.

CAST-IN-PLACE DETAILS

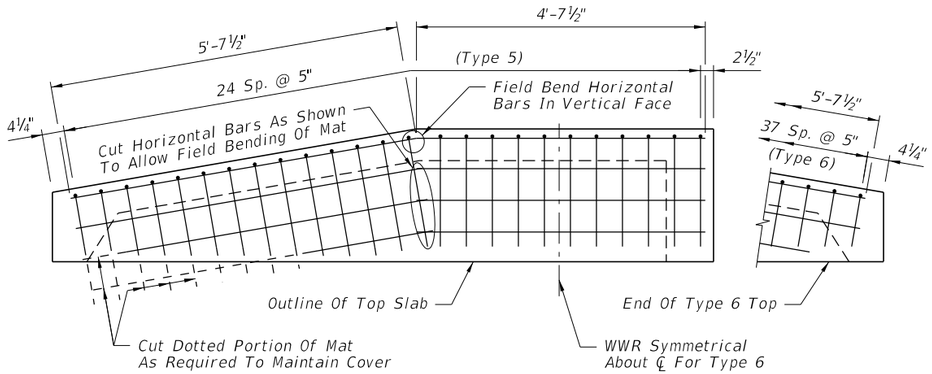
10/11/2016 10:18:42 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX NO.	SHEET NO.
07/01/12			FDOT FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	211	3 of 5

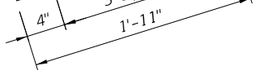
ALTERNATE REINFORCING STEEL DETAILS FOR WELDED WIRE REINFORCEMENT (WWR)



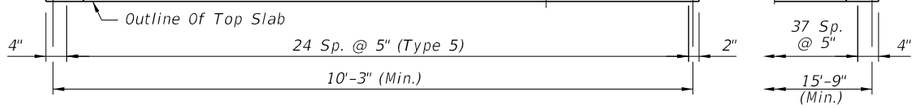
WELDED WIRE REINFORCEMENT
PIECE NO. 1



PLACEMENT SCHEMATIC FOR WELDED
WIRE REINFORCEMENT PIECE NO. 1



WELDED WIRE REINFORCEMENT
PIECE NO. 2



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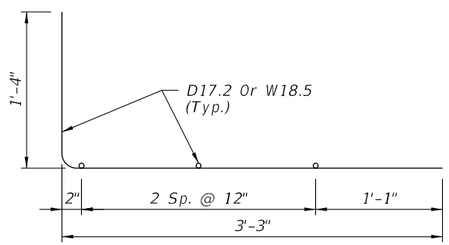
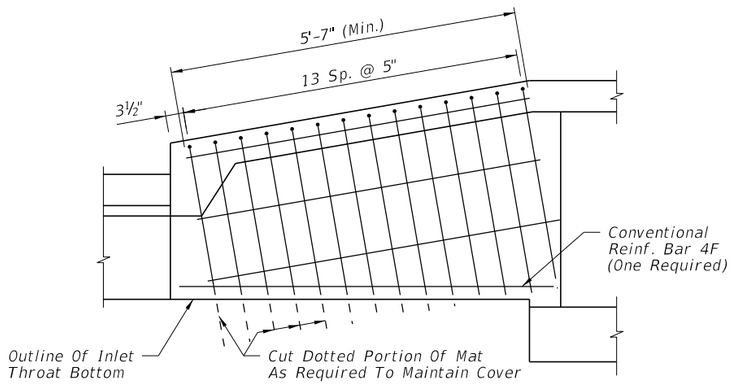


WELDED WIRE REINFORCEMENT
PIECE NO. 3



PLACEMENT SCHEMATIC FOR WELDED
WIRE REINFORCEMENT PIECE NO. 3

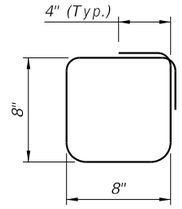
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL

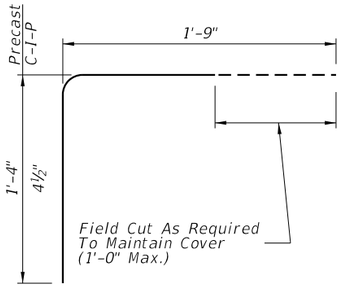
MARK	SIZE	TYPE 5 INLET		TYPE 6 INLET	
		NO.	LENGTH	NO.	LENGTH
A (Precast)	4	25	3'-1"	38	3'-1"
A (C-I-P)	4	25	2'-1½"	38	2'-1½"
B	4	6	10'-3"	6	15'-9"
C	4	25	11" to 1'-11"	38	11" to 1'-11"
D	4	4	10'-3"	4	15'-9"
E	4	16	4'-11½"	30	4'-11½"
F	4	3	6'-0"	6	6'-0"
H	4	4	4'-6"	4	4'-6"
J	4	4	3'-0"	4	3'-0"
K (Fillet)	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"

REINFORCING STEEL NOTES:

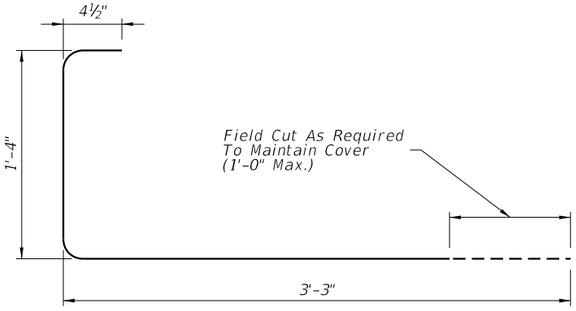
1. All bar dimensions in the bending diagrams are out to out.
2. Bars 4A and 4E may be combined into a single bar.
3. Welded Wire Reinforcement consists of Smooth or Deformed wire meeting the requirements of Specification Section 931.



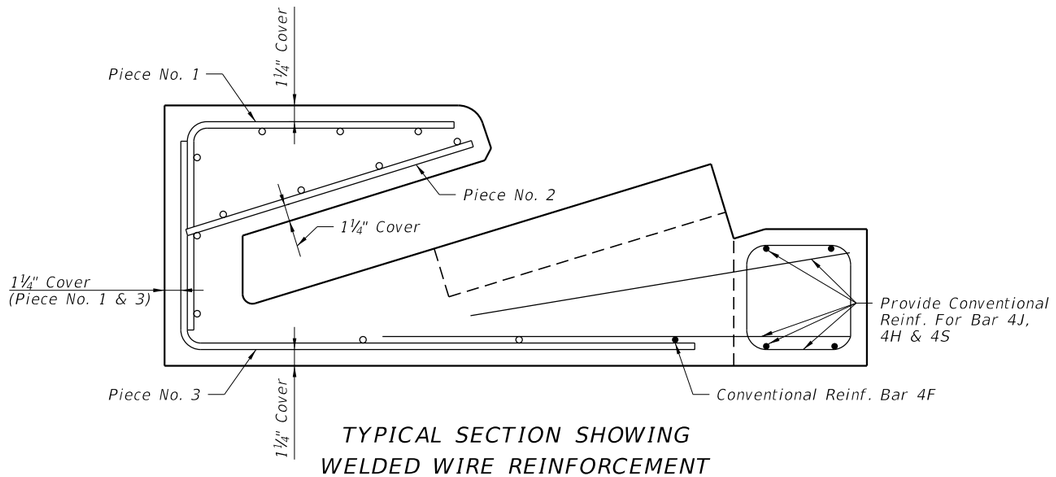
BAR 4S



BAR 4A



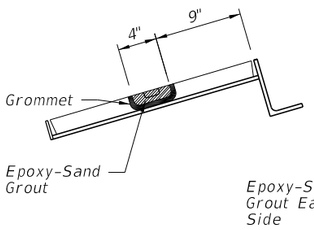
BAR 4E



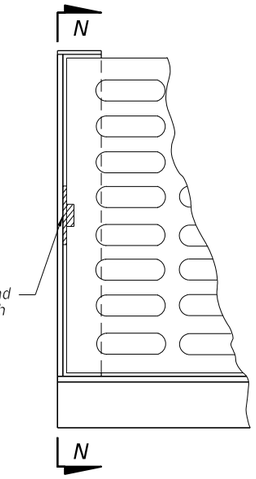
TYPICAL SECTION SHOWING
WELDED WIRE REINFORCEMENT

10/11/2016 10:18:46 AM

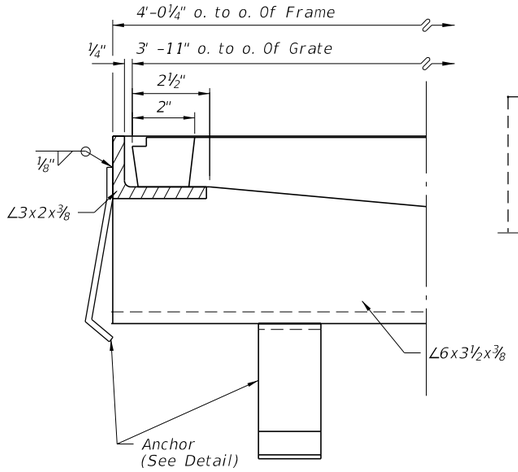
LAST REVISION	REVISION	DESCRIPTION:			
07/01/13			FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	INDEX NO. 211 / SHEET NO. 4 of 5



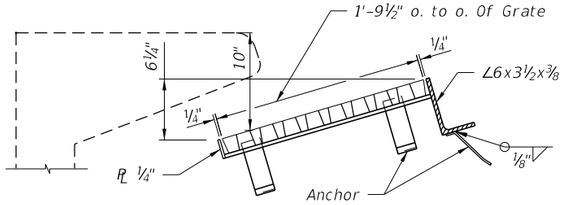
SECTION NN



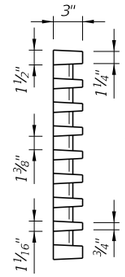
TOP VIEW
CAST IRON GRATE

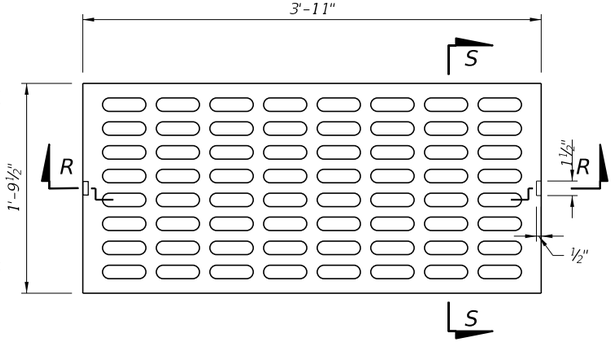


SECTION QQ



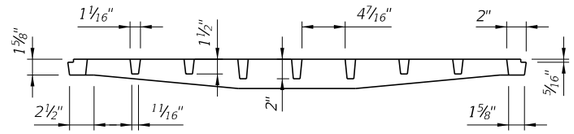
SECTION GG





SECTION SS

TOP VIEW



SECTION RR

CAST IRON GRATE

SECTION MM

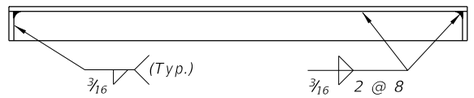
TOP VIEW
STEEL GRATE

SECTION QQ

SECTION GG

SECTION YY

TOP VIEW

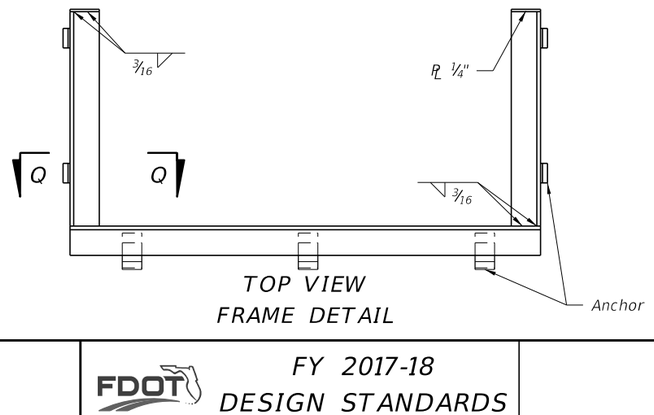


SECTION XX

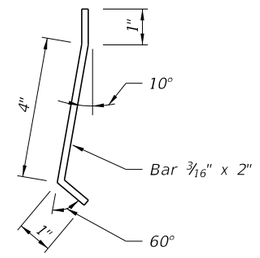
GROUTING DETAILS

CROSS REFERENCES:
For Location Of Section GG and QQ
See Sheet 1.

STEEL GRATE



TOP VIEW
FRAME DETAIL



ANCHOR DETAIL

10/11/2016 10:18:48 AM

LAST REVISION	REVISION	DESCRIPTION:			
07/01/09			FY 2017-18 DESIGN STANDARDS	CURB INLET TOPS TYPES 5 AND 6	INDEX NO. 211 / SHEET NO. 5 of 5