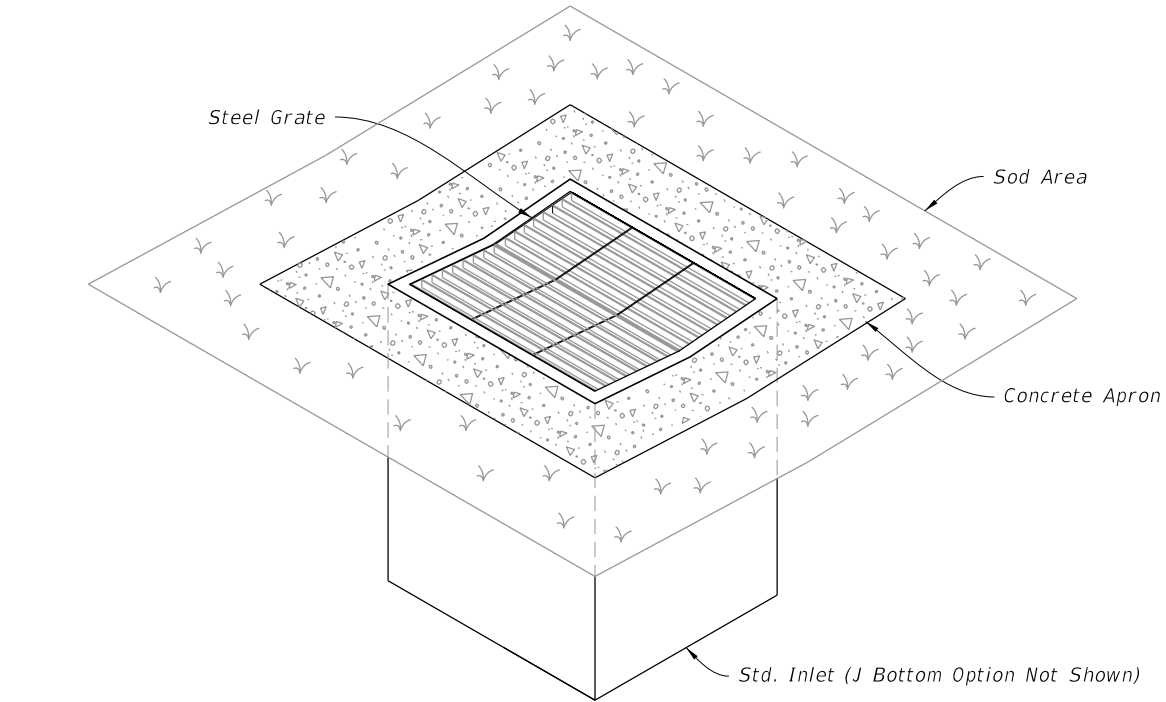


GENERAL NOTES:

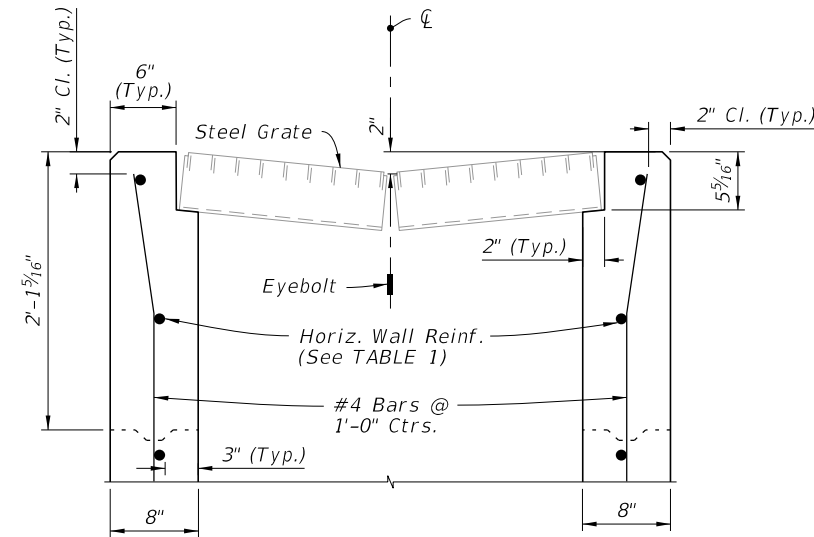
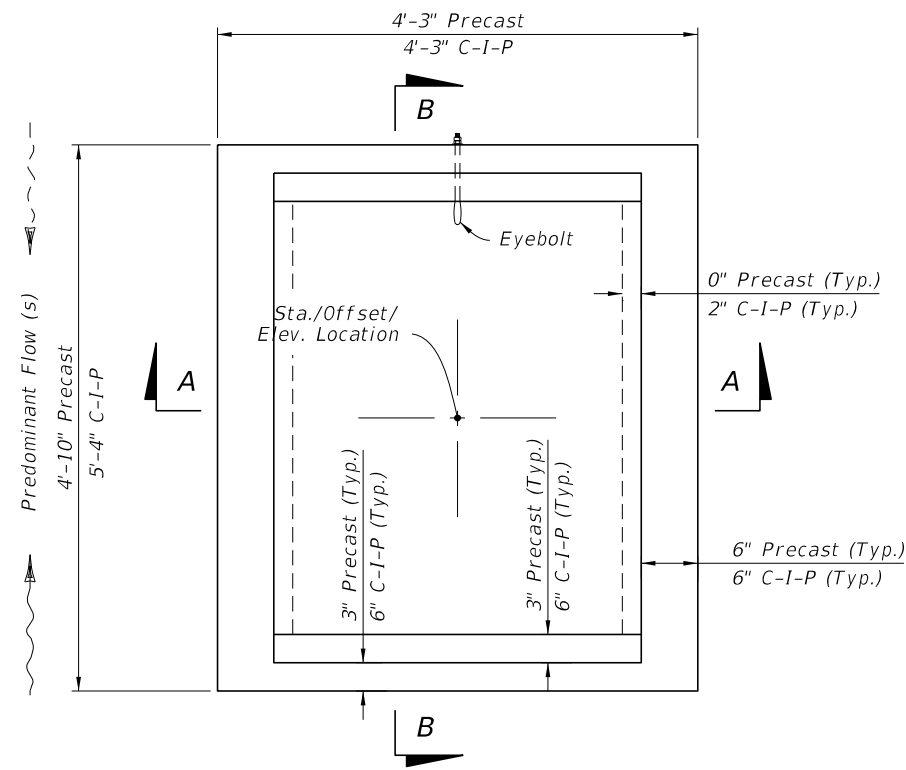
- 1. Work this Index with Index 425-001 and Index 425-010.
- 2. Reinforcing bars are Grade 60 bars with 2" minimum cover unless otherwise noted.
See Index 425-001 for equivalent area of welded wire fabric. Cut or bend bars out of way of pipe when necessary; bars to clear pipe by 1½".
- 3. Chamfer all exposed edges and corners ¾" or tooled to ¼" radius.
- 4. Dimensions are for both precast and cast-in-place inlets unless otherwise noted.
- 5. Quantities are for informational and estimating purposes only.

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Dimensional and Reinforcing Details
3	Grate, Concrete Apron, and Sodded Area Details
4	Alternate A Structure Bottom - Top Slab Details

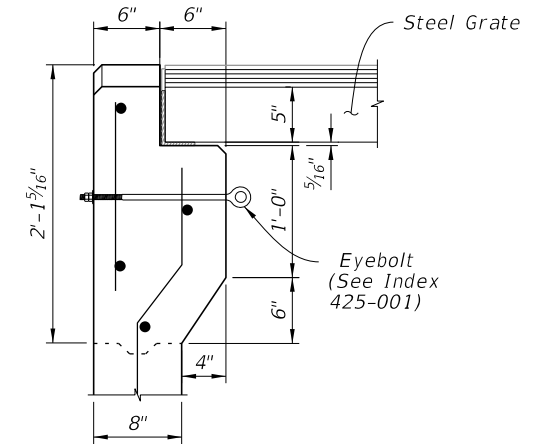


===== DITCH BOTTOM INLET TYPE J =====
(Pipe Connection Not Shown)

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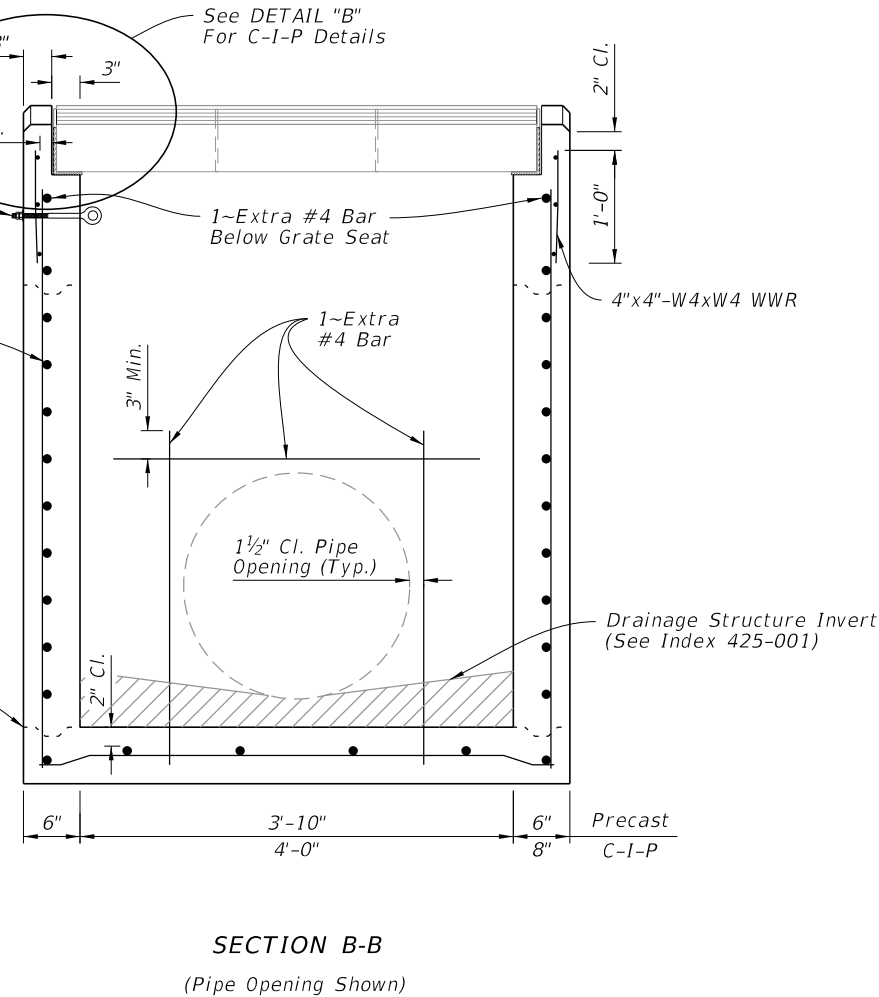
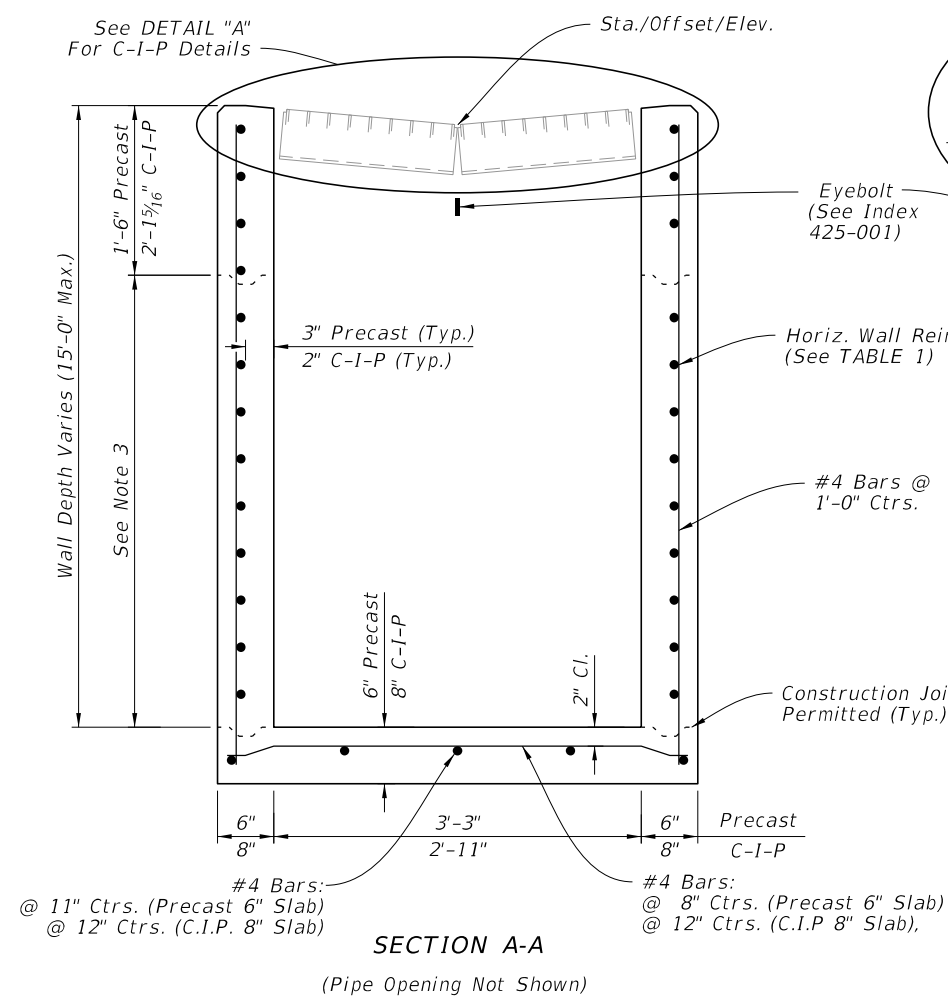


DETAIL "A"



DETAIL "B"

CAST-IN-PLACE OPTION



DIMENSIONAL AND REINFORCING DETAILS

TABLE 1 HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BARS	WWR
0' - 4'	A12	0.20	12"	8"
4' - 9'	A6	0.20	6"	5"
9' - 12'	A4	0.24	4"	3"
9' - 15'	B5.5	0.24	5 1/2"	5"

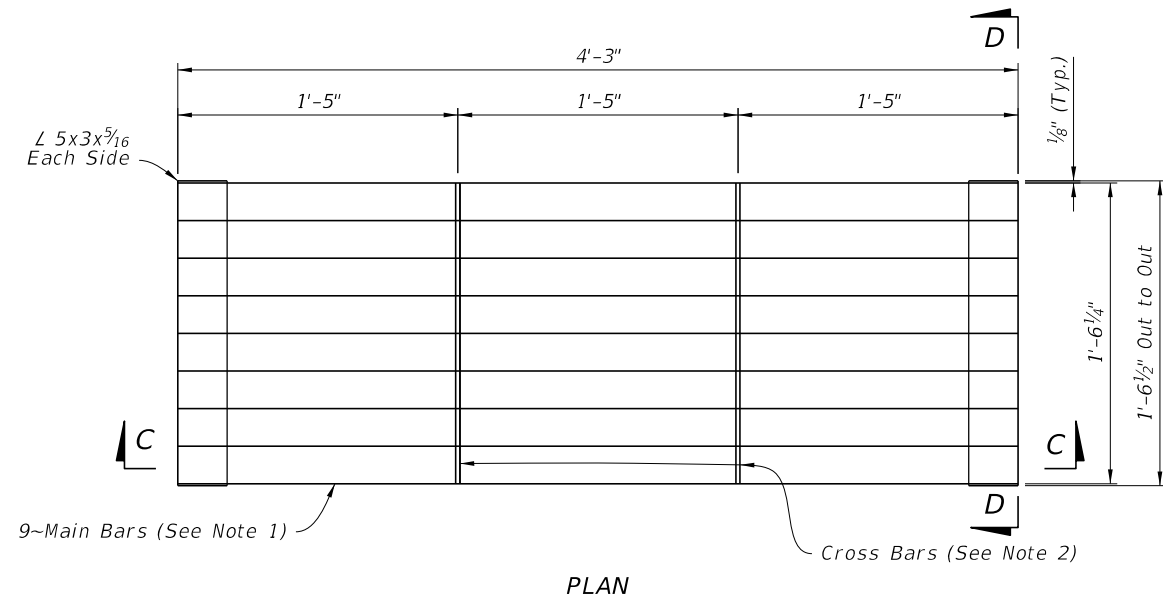
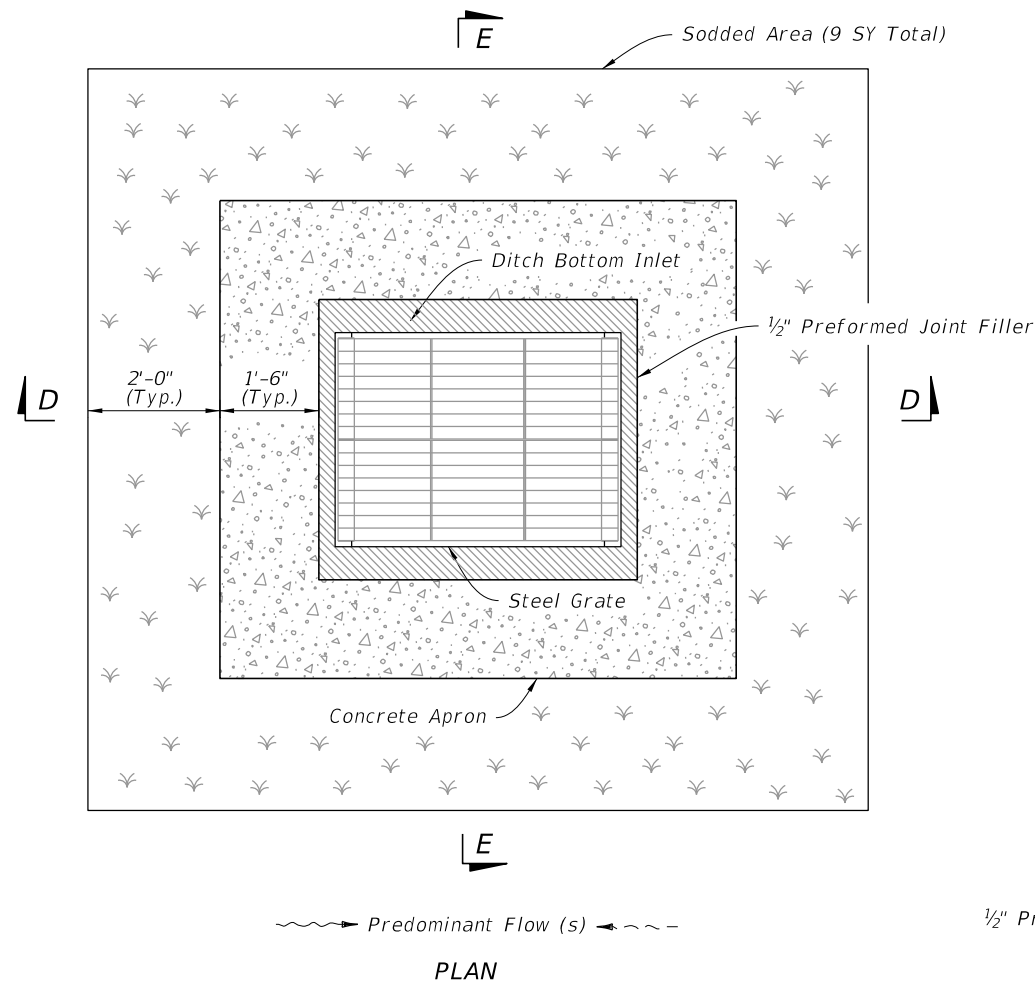
NOTES:

- Grate, Concrete Apron, and Sod not shown in Plan View.
- See Sheet 3 for Concrete Apron and Sodded Area details.
- Construction joints permitted between these limits. See Index 425-001 for minimum dimensions.

DIMENSIONAL AND REINFORCING DETAILS

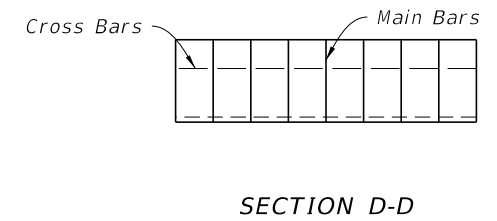
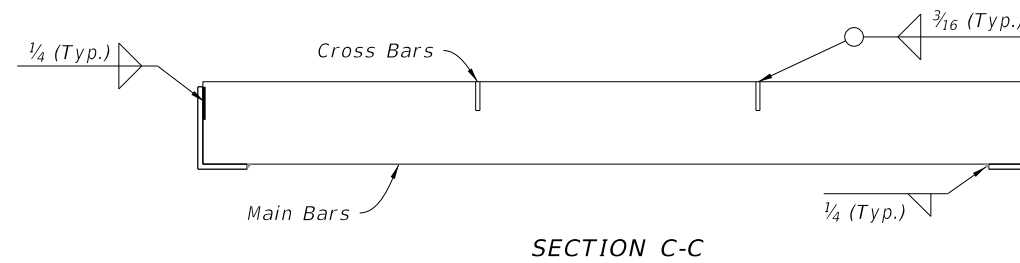
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LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPE J	INDEX 425-054	SHEET 2 of 4
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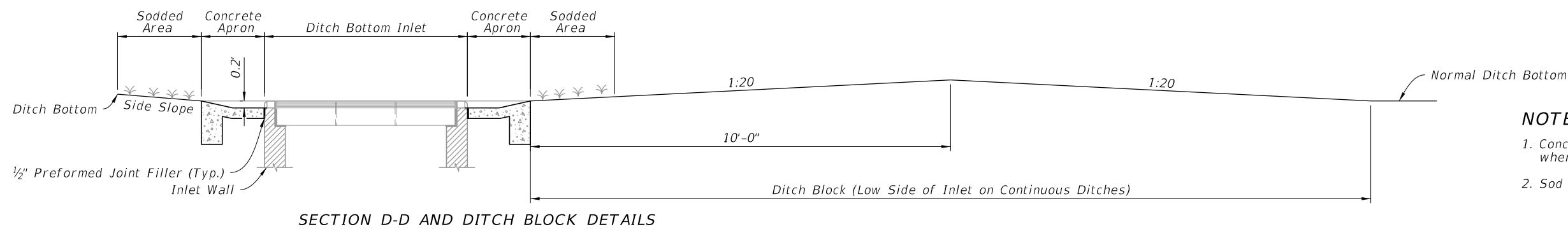
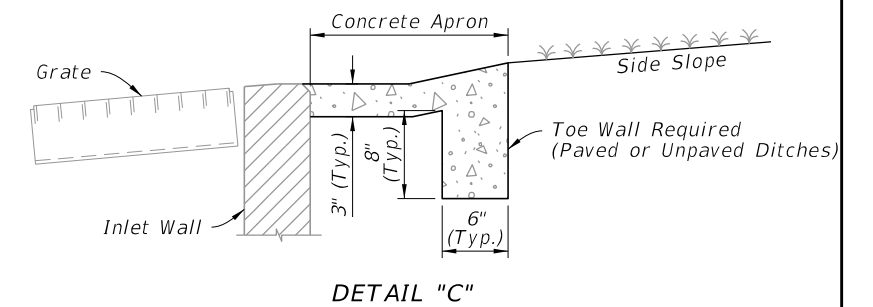
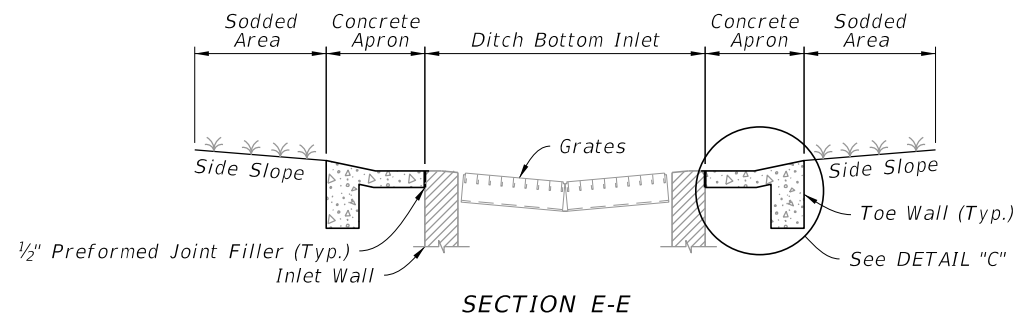


NOTES:

1. Main Bars are 5"x1/4" and are notched for Cross Bars.
2. Cross Bars are 1 3/4"x1/4" and continuously welded at Main Bar Notches.
3. Main Bars and Cross Bars are flush on top.



STEEL GRATE DETAIL



NOTES:

1. Concrete Apron to be installed only where called for in the Plans.
2. Sod always required.

CONCRETE APRON AND SODDED AREA DETAILS

GRATE, CONCRETE APRON, AND SODDED AREA DETAILS

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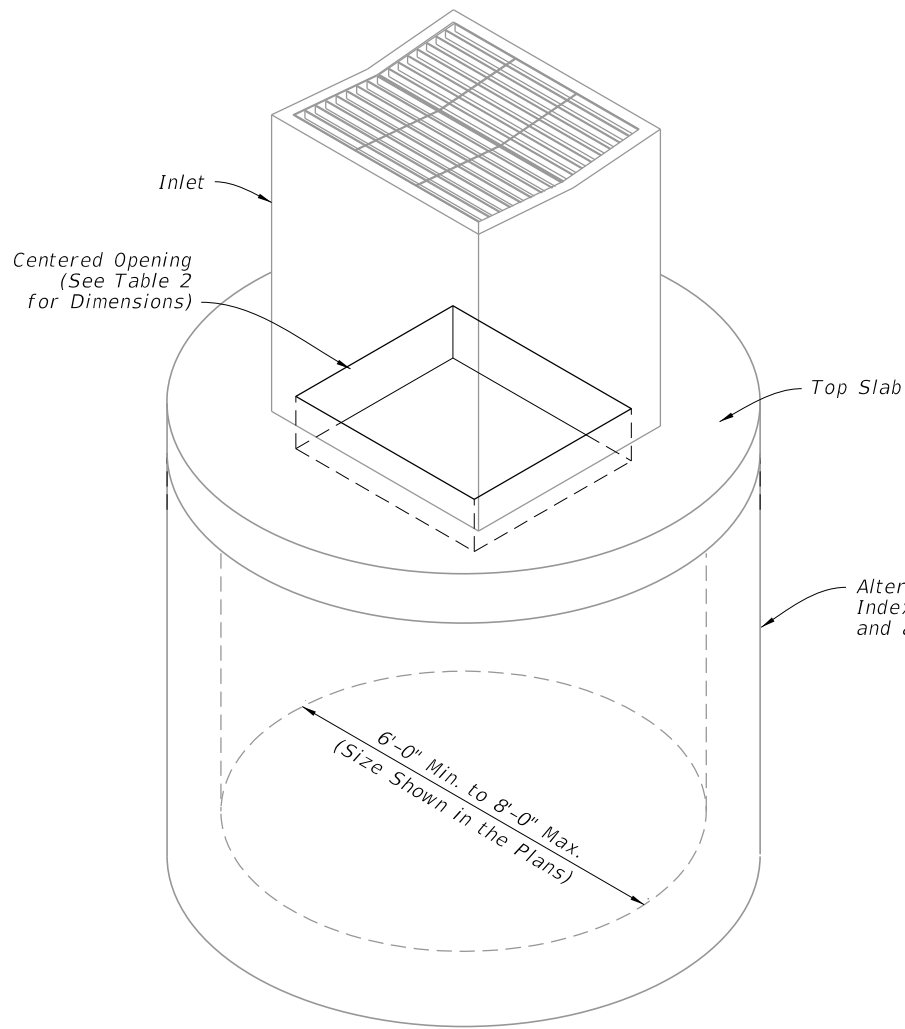
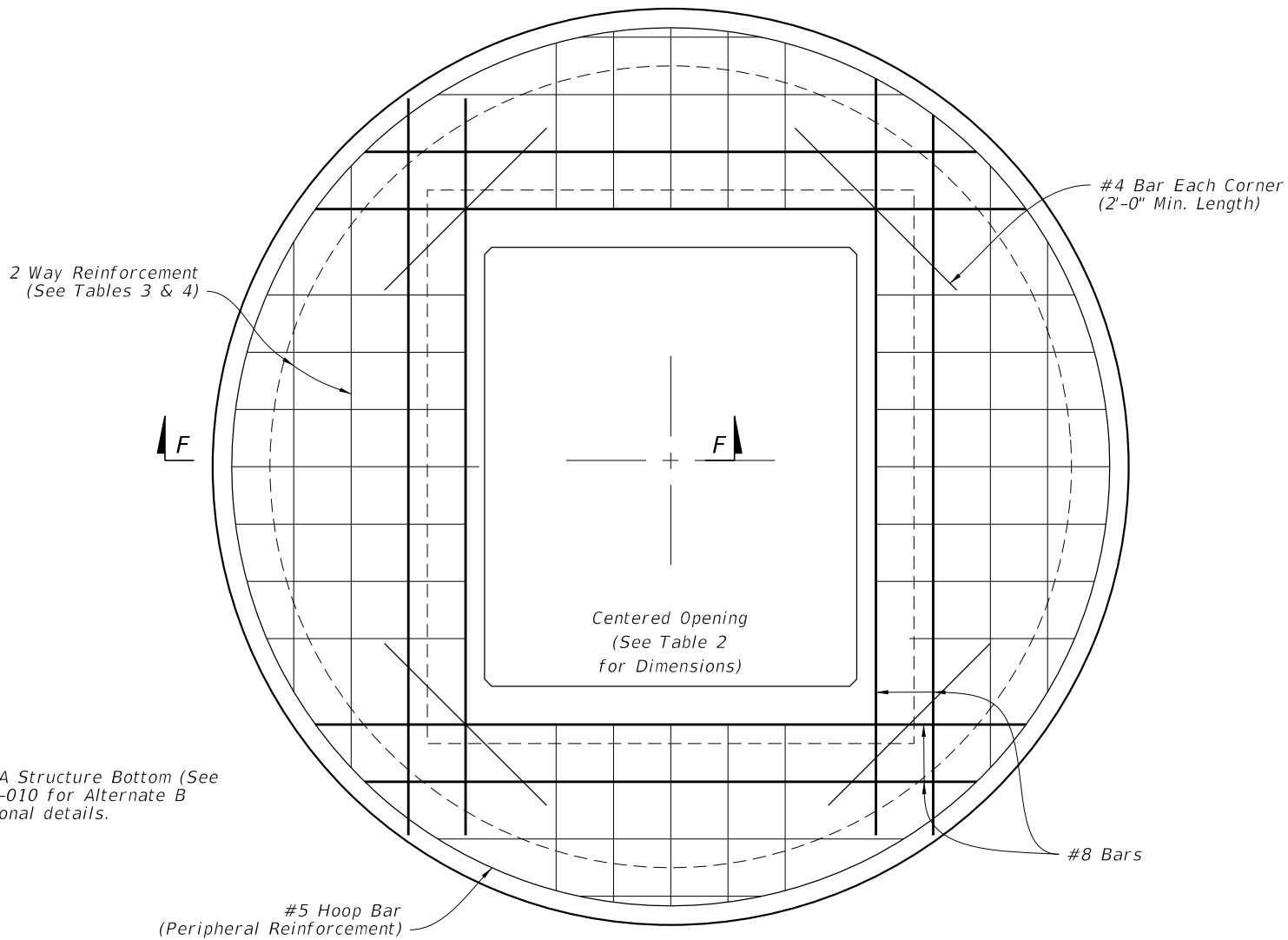
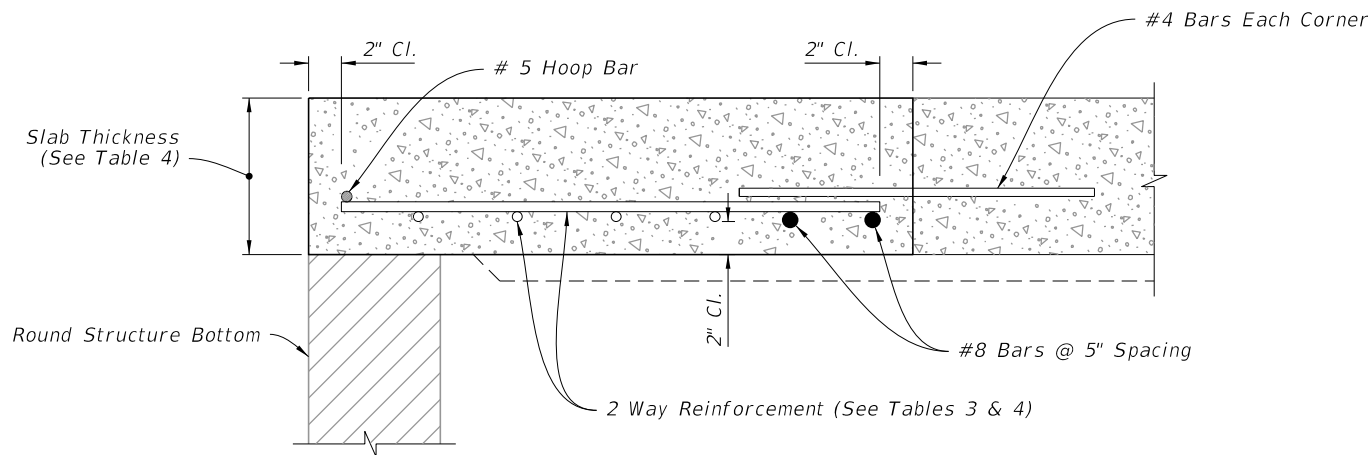


TABLE 2 TOP SLAB OPENING		
BOTTOM STRUCTURE DIAMETER	OPENING SIZE	
	Min.	Max.
6'-0" to 8'-0"	3'-8" x 4'-2"	3'-10" x 4'-2"

ISOMETRIC VIEW



PLAN



SECTION F-F

TOP SLAB REINFORCEMENT DETAILS

TABLE 3 TOP SLAB REINFORCING SCHEDULE	
SCHEDULE	GRADE 60 (BAR) OR 65 KSI & 70 KSI (WIRE REINFORCING) In. ² /ft.
A	0.20
B	0.24
C	0.37
D	0.53
E	0.73
F	1.06
G	1.45

TABLE 4 TOP SLAB WITH CENTERED OPENING		
STRUCTURE DEPTH	SLAB THICKNESS	REINFORCING (2 WAY) SCHEDULE
SIZE: 6'-0"		
0.5'<8'	9½"	B
8'<18'	9½"	C
18'<30'	9½"	D
30'<37'	9½"	E
37'-40'	9½"	G
SIZE: 8'-0"		
≥0.5'<9'	11½"	C
9'<15'	11½"	D
15'<23'	11½"	E
23'<33'	11½"	E
33'-40'	11½"	G

ALTERNATE A STRUCTURE BOTTOM - TOP SLAB DETAILS



FY 2026-27
STANDARD PLANS

DITCH BOTTOM INLET TYPE J

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DESCRIPTION: