GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.

2. When inlet is placed in areas subject to bicycle traffic, install filler bar when clearance or gap is greater than $\frac{5}{8}$" as shown in Index 425-031.

3. These inlets may be used with Alternate B structure bottoms, Index 425-010.

4. Chamfer all exposed edges and corners $\frac{3}{4}$" chamfer or tooled to $\frac{1}{4}$" radius.

5. See Index for supplemental details.

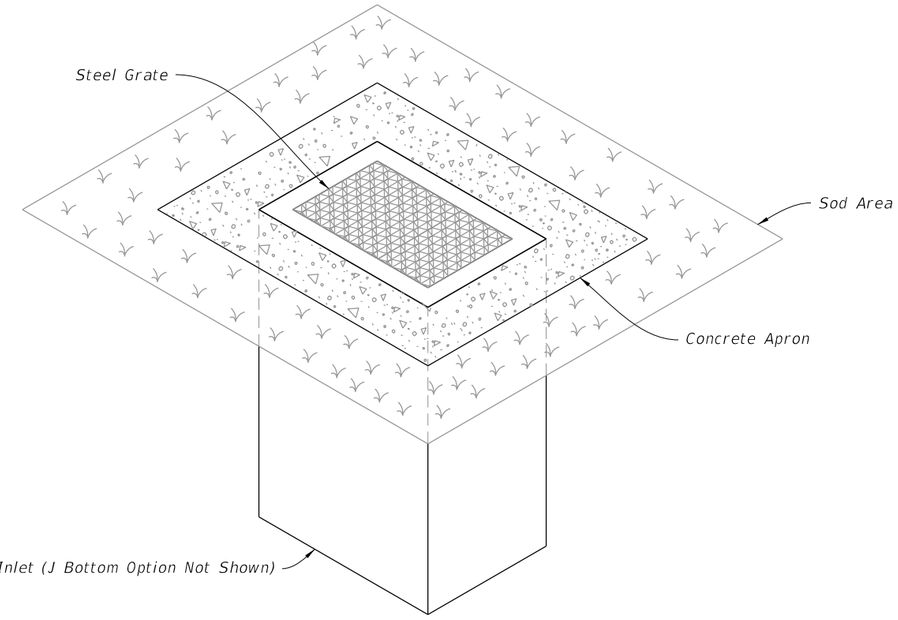
6. Reinforcing bars are Grade 60 with 2" minimum cover unless otherwise noted. Cut or bend bars to provide $1\frac{1}{2}$" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening as shown.

7. Dimensions are for both precast and cast-in-place inlets unless otherwise noted.

8. Quantities are for informational and estimating purposes only.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Type F – Dimensional, Reinforcing, and Grate Details
3	Type G – Dimensional, Reinforcing, and Grate Details
4	Concrete Apron and Sodded Area Details



DITCH BOTTOM INLET TYPE F

(Type G Similar, Pipe Connection Not Shown)

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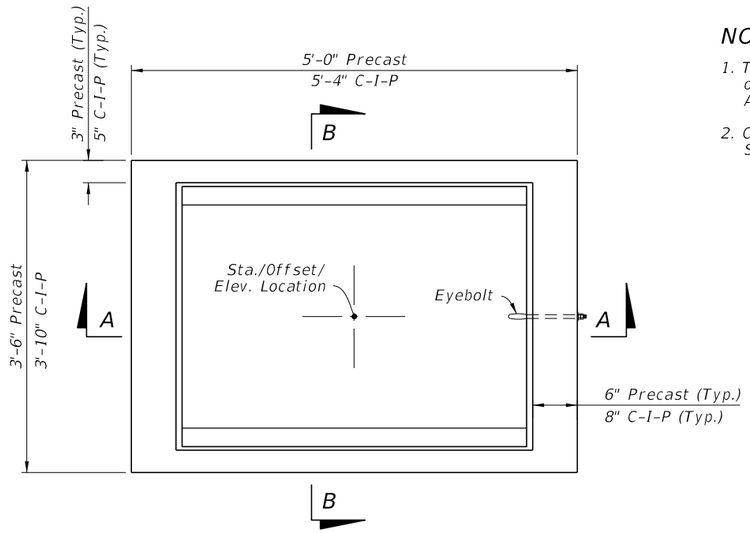
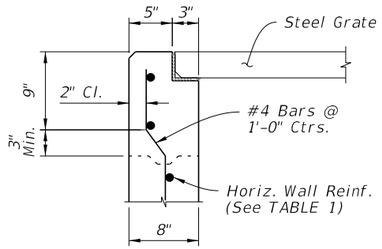


PLAN

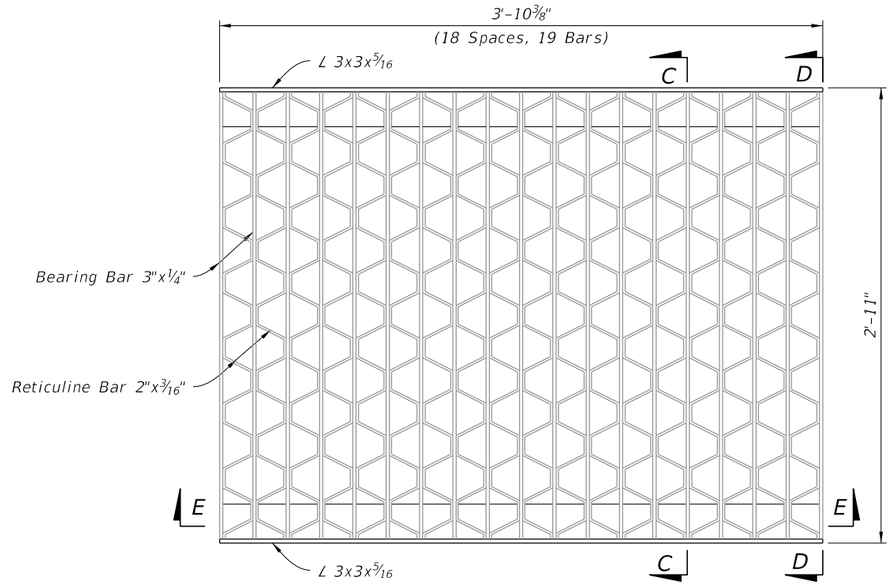
NOTES:

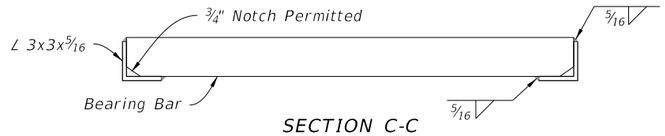
1. The Grate, Concrete Apron, and Sod not shown on Inlet PLAN view. See Sheet 4 for Concrete Apron and Sodded Area details.
2. Construction joints permitted between these limits. See Index 425-001 for minimum dimensions.



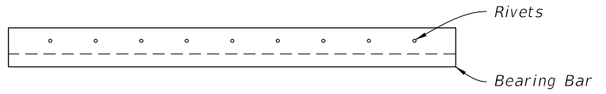
C-I-P DETAIL

DETAIL "A"

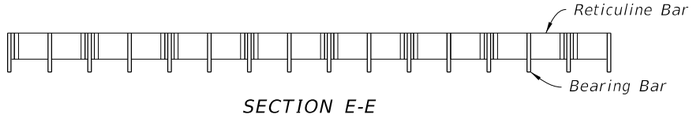




SECTION C-C

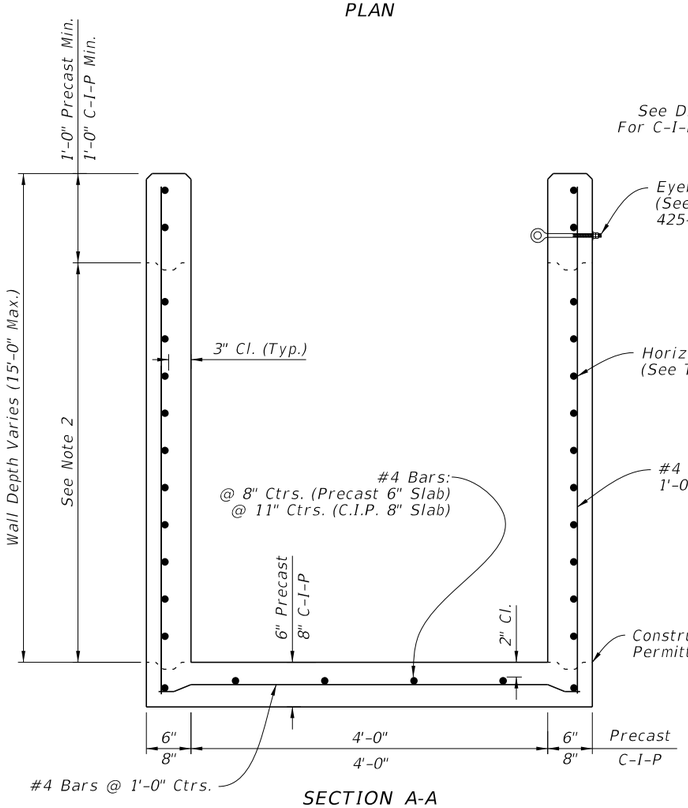


SECTION D-D

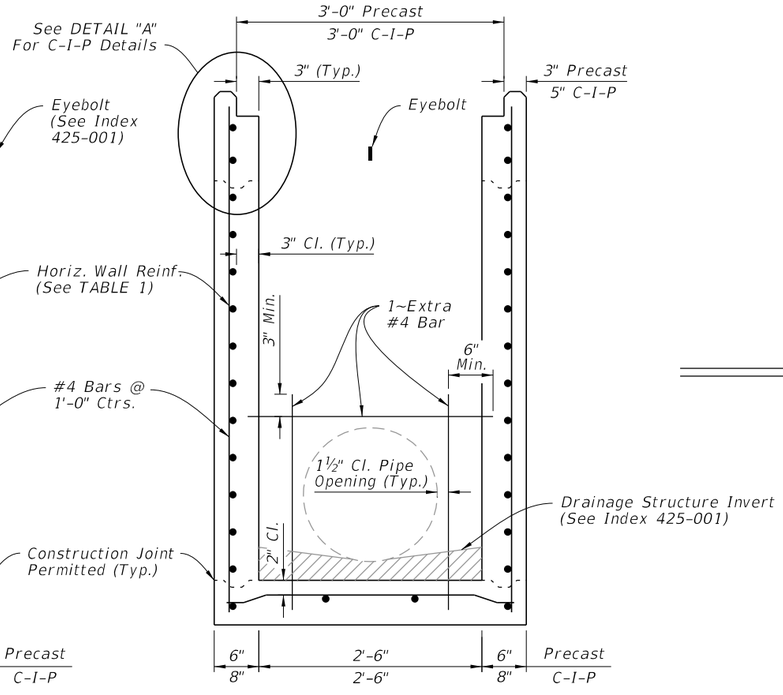


SECTION E-E

STEEL GRATE DETAIL



SECTION A-A
(Pipe Opening Not Shown)



SECTION B-B
(Pipe Opening Shown)

TABLE 1
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWR
0' – 4'	A12	0.200	12"	8"
4' – 7'	A6	0.200	6"	5"
7' – 12'	B5.5	0.240	5½"	5"
12' – 15'	Special 1	0.267	5"	4"

DIMENSIONAL AND REINFORCING DETAILS

TYPE F - DIMENSIONAL, REINFORCING, AND GRATE DETAILS

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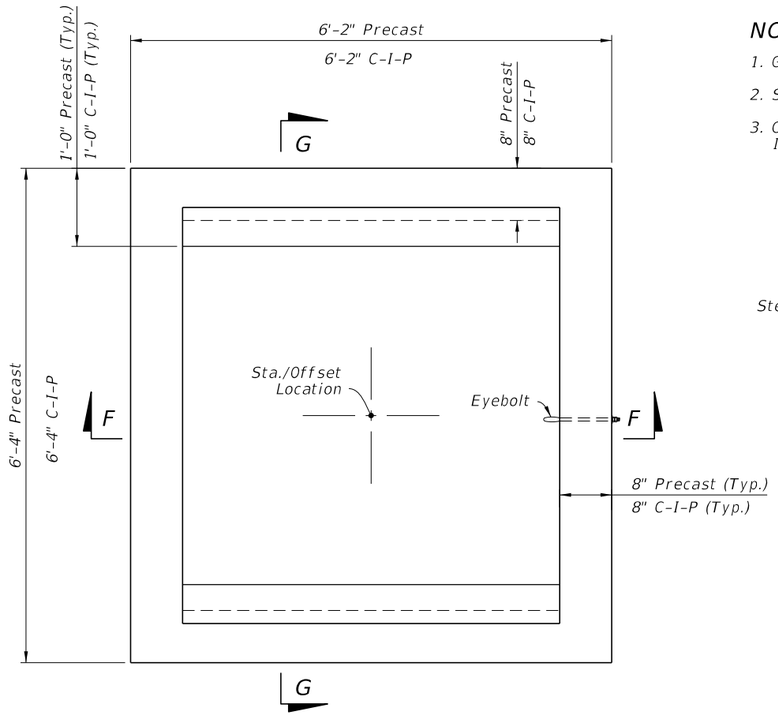
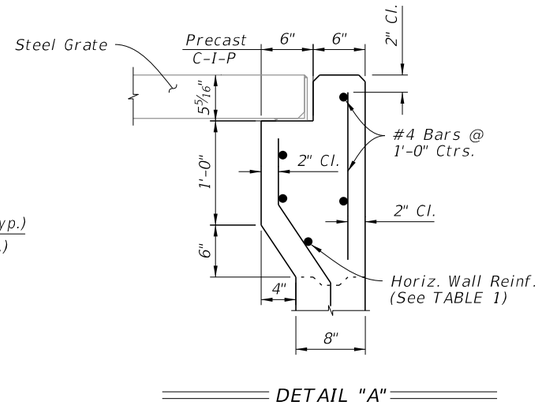
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
10/01/20			FY 2023-24 STANDARD PLANS	DITCH BOTTOM INLET TYPES F AND G	425-053	2 of 4



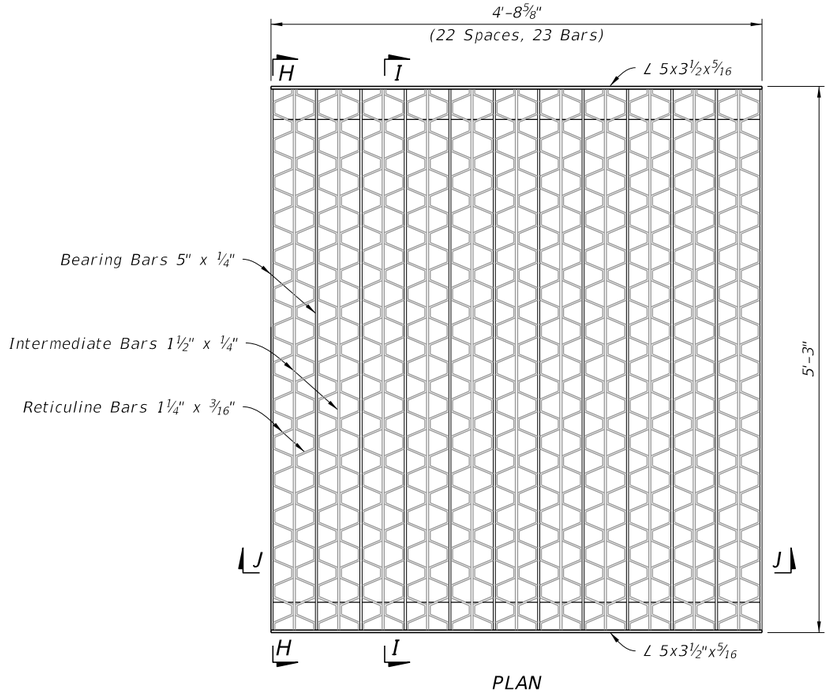
PLAN

NOTES:

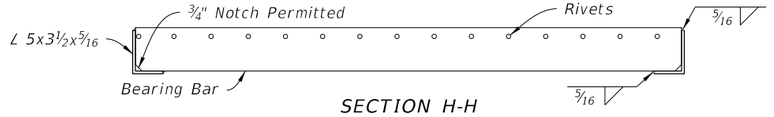
1. Grate, Concrete Apron, and Sod not shown in Plan view
2. See Sheet 4 for Concrete Apron and Sodded Area details.
3. Construction joints permitted between these limits. See Index 425-001 for minimum dimensions.



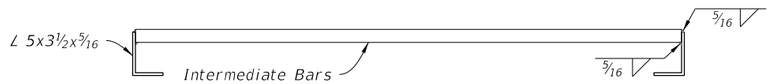
DETAIL "A"



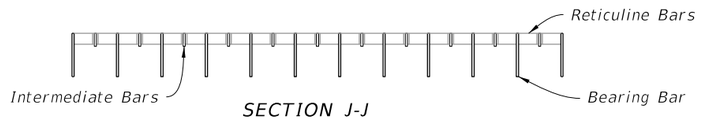
PLAN



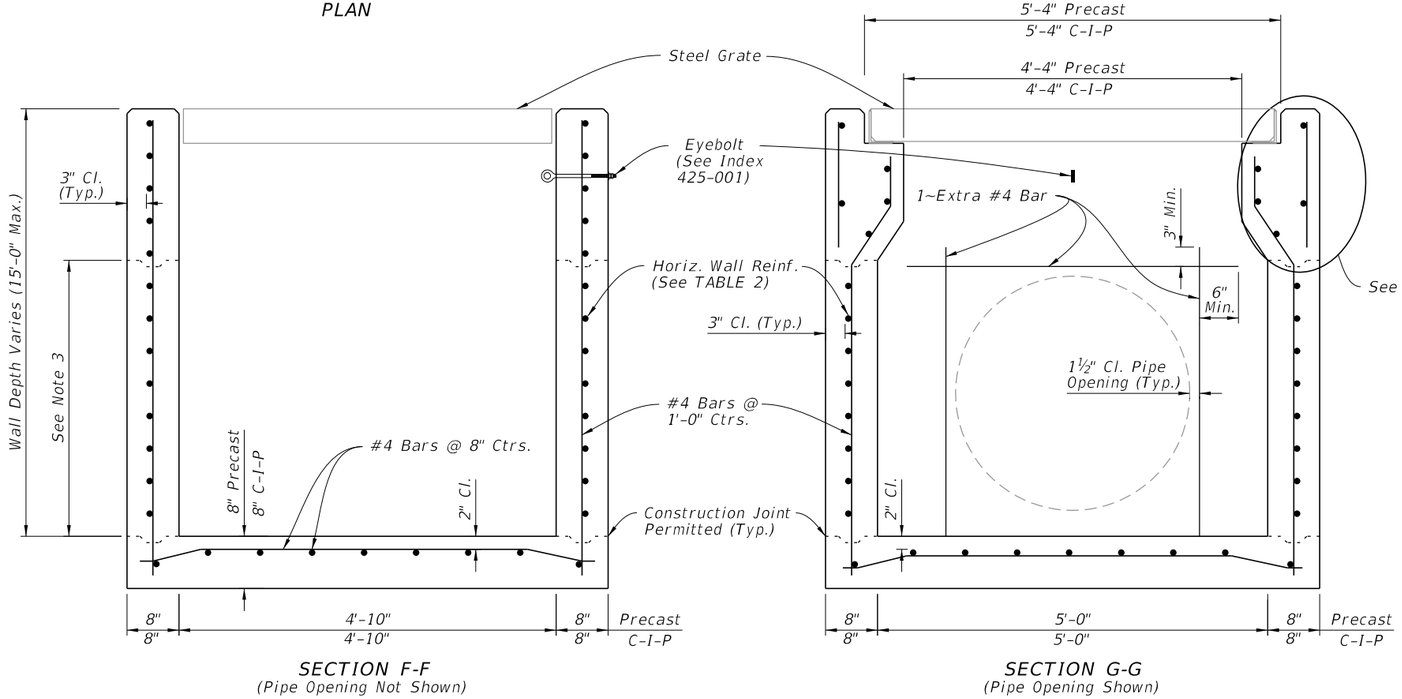
SECTION H-H



SECTION I-I



SECTION J-J



SECTION F-F
(Pipe Opening Not Shown)

SECTION G-G
(Pipe Opening Shown)

STEEL GRATE DETAIL

TABLE 2
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWR
0' - 3'	A12	0.20	12"	8"
3' - 7'	A6	0.20	6"	5"
7' - 10'	B5.5	0.24	5 1/2"	5"
10' - 15'	C6.5	0.37	6 1/2"	6"

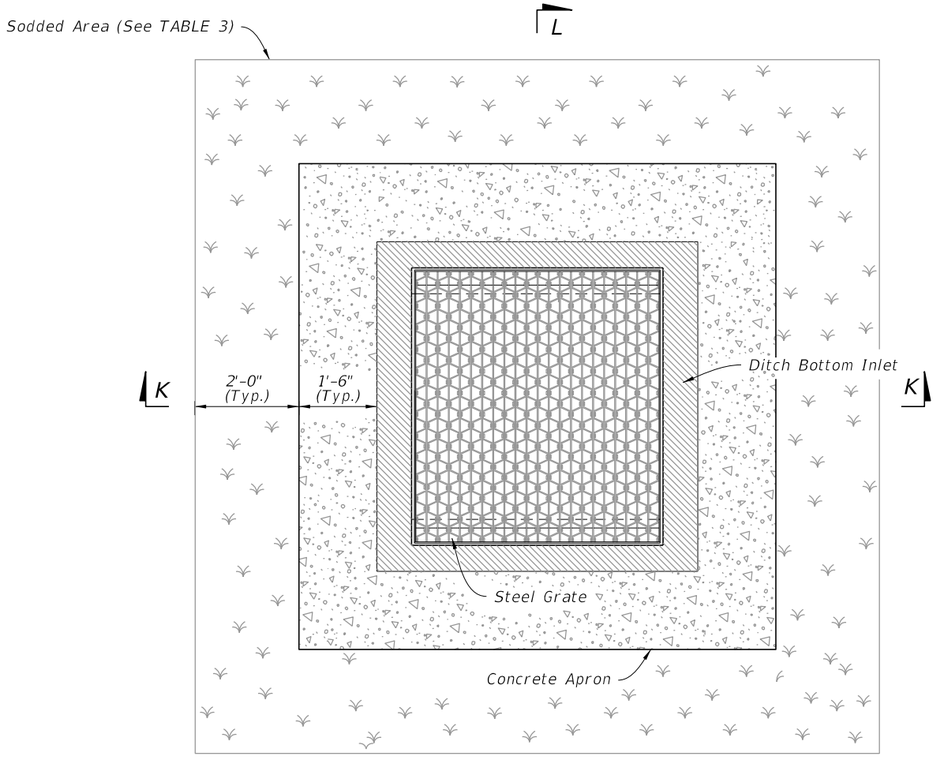
DIMENSIONAL AND REINFORCING DETAILS

TYPE G - DIMENSIONAL, REINFORCING, AND GRATE DETAILS

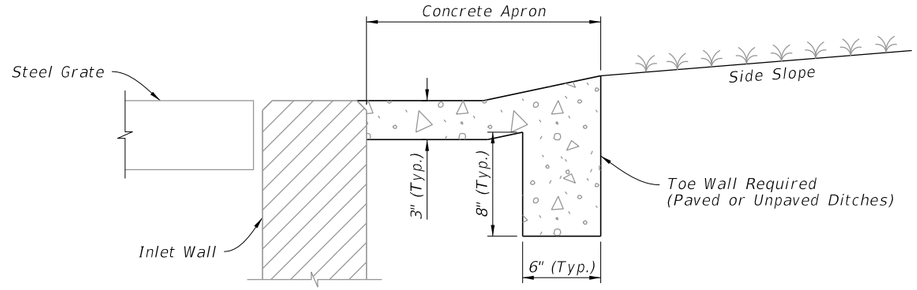
TABLE 3 CONCRETE APRON AND SOD QUANTITIES			
INLET	CONCRETE (CY)	SOD W/CONCRETE (SY)	SOD ONLY (SY)
F	0.43	10	6
G	0.34	9	7

NOTES:

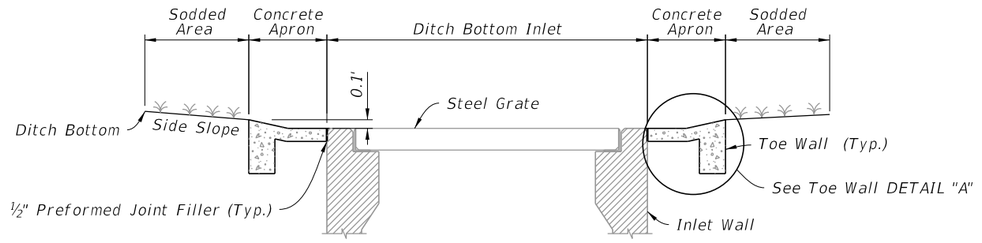
1. Concrete Apron to be installed only where called for in the Plans.
2. Sod always required.



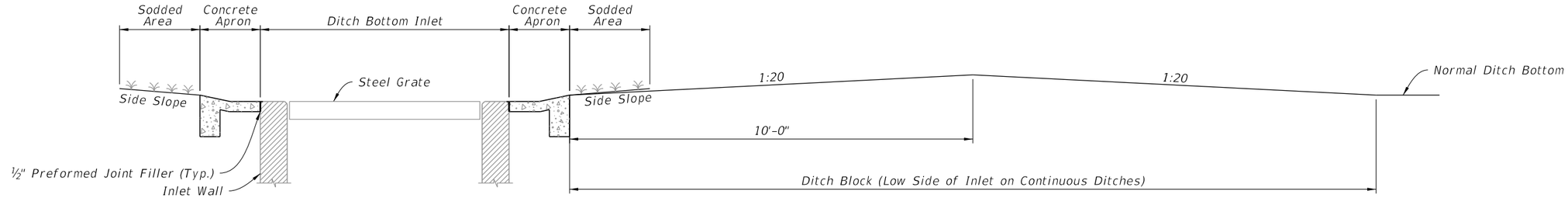
PLAN



DETAIL "A"



SECTION L-L



SECTION K-K AND DITCH BLOCK DETAIL

CONCRETE APRON AND SODDED AREA DETAILS

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LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	DITCH BOTTOM INLET TYPES F AND G	INDEX	SHEET
10/01/20						425-053	4 of 4