GENERAL NOTES:

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

2. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. See Index 425-001 for equivalent area of welded wire fabric. Cut or bend bars out of way of pipe to clear pipe 1½".

3. Chamfer all exposed edges and corners ¾" or tool to ¼" radius.

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

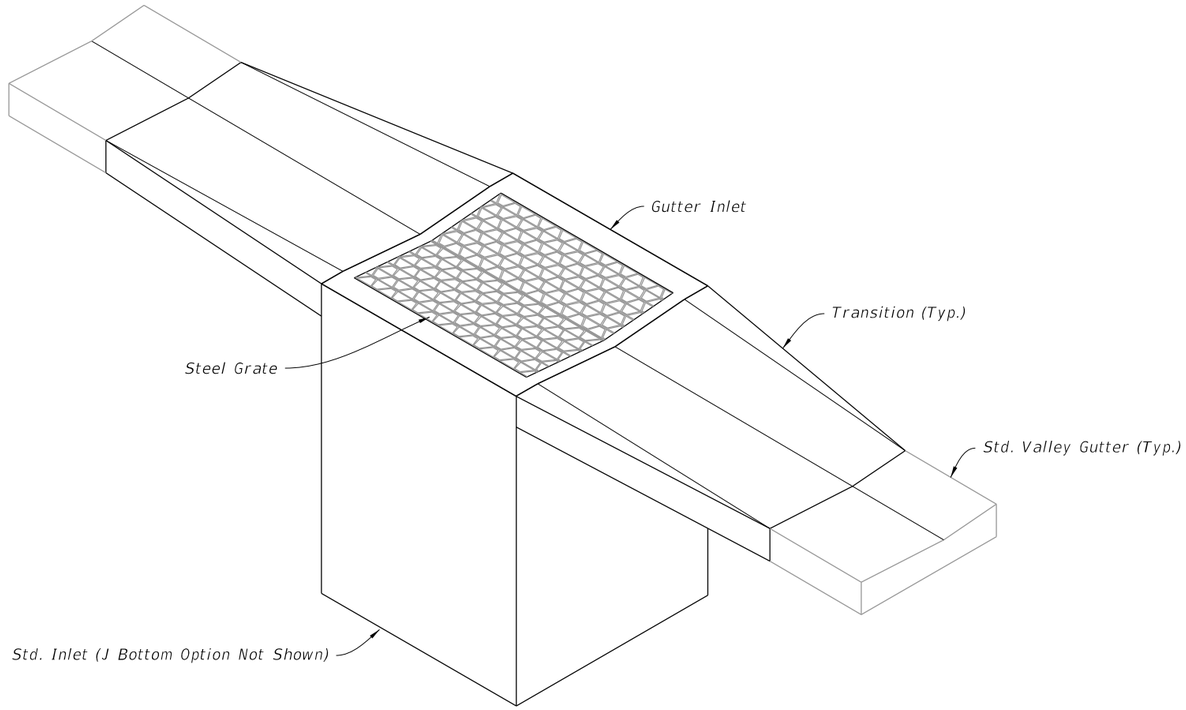


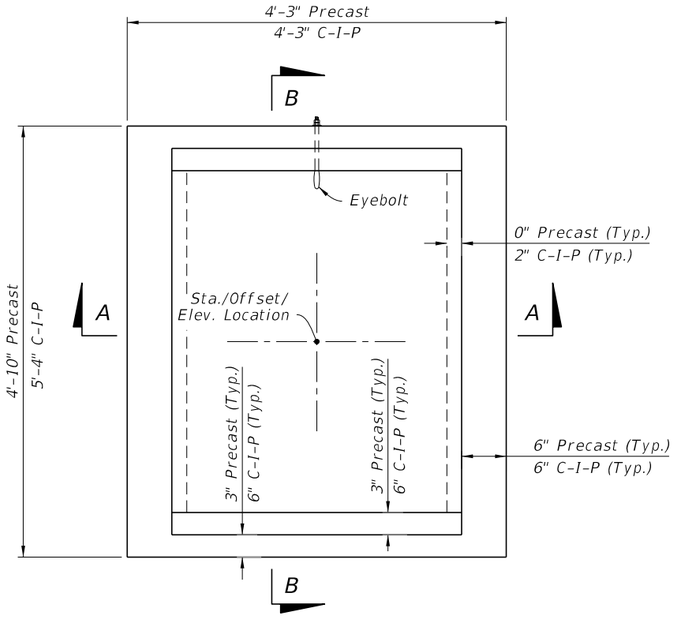
TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Dimensional and Reinforcing Details
3	Steel Grate Details
4	Alternate A Structure Bottom – Top Slab Details

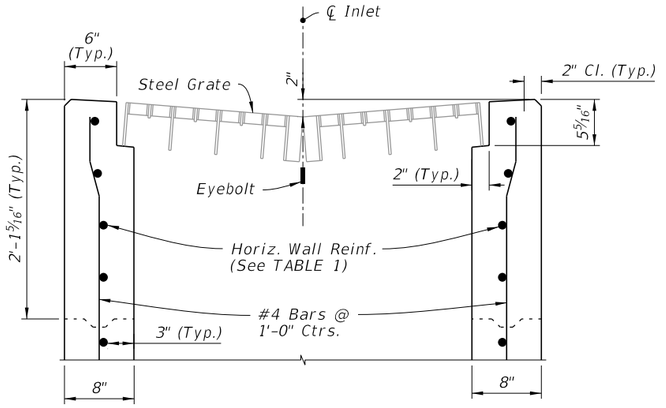
GUTTER INLET TYPE V

(Pipe Opening Not Shown)

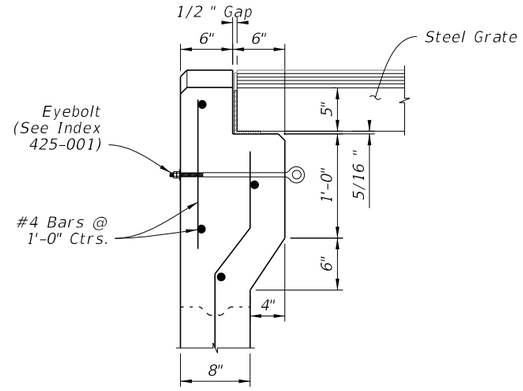
9/10/2024 11:40:11 AM



PLAN

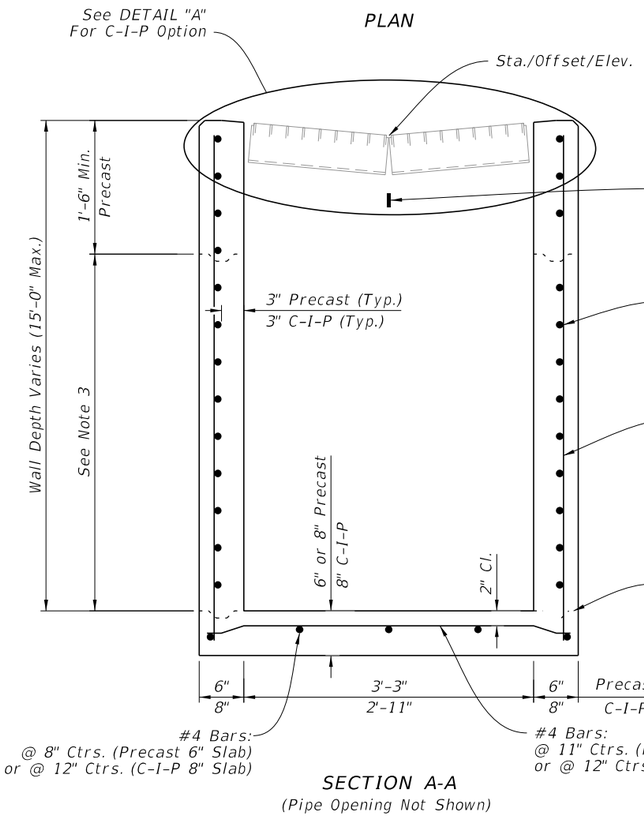


DETAIL "A"

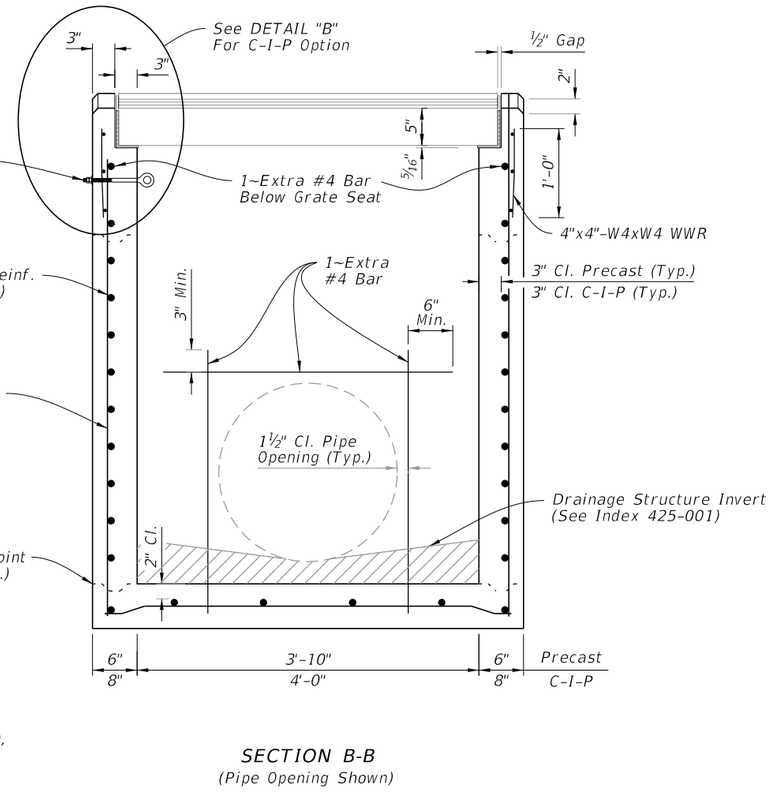


DETAIL "B"

CAST-IN-PLACE OPTION



SECTION A-A
(Pipe Opening Not Shown)



SECTION B-B
(Pipe Opening Shown)

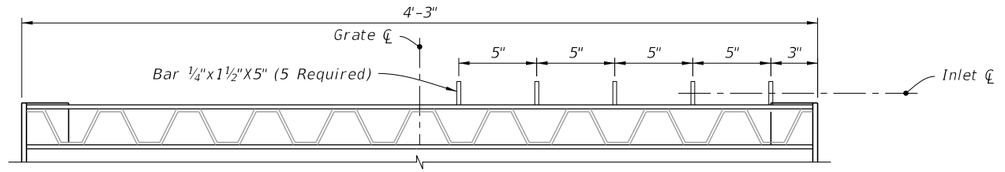
TABLE 1 HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWR
0' – 5'	A12	0.20	12"	8"
5' – 9'	A6	0.20	6"	5"
9' – 12'	A4	0.20	4"	3"
9' – 15'	B5.5	0.24	5½"	5"

NOTES:

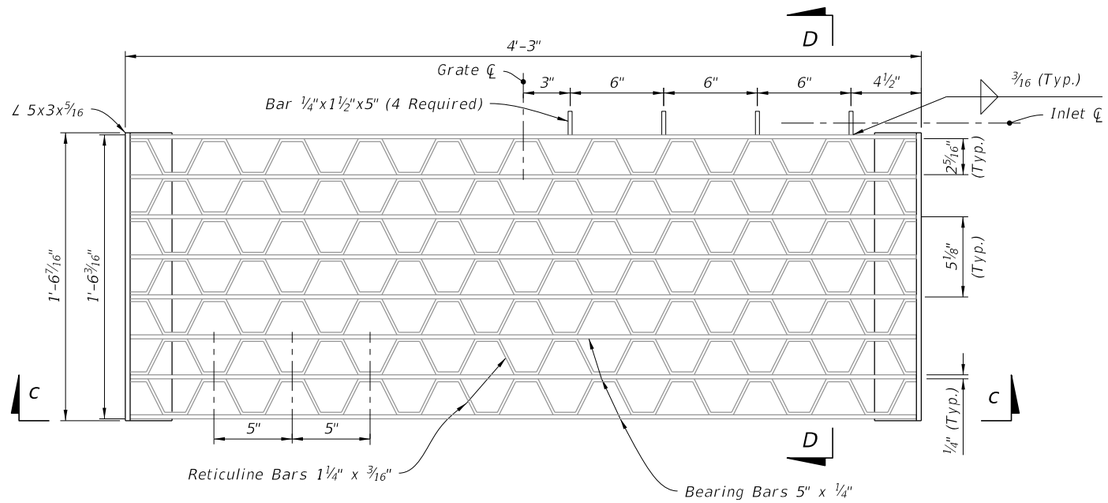
1. Plan View: Grate, Concrete Ditch Pavement, and Sod not shown on structure detail.
2. Precast Shown, Cast-In-Place (C-I-P) similar.
3. Construction joints permitted between these limits. See Index 425-001 for minimum dimensions.

DIMENSIONAL AND REINFORCING DETAILS

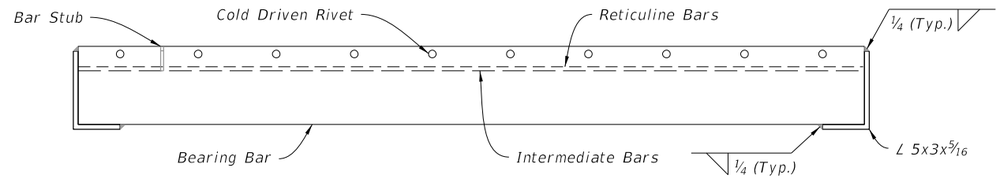
DIMENSIONAL AND REINFORCING DETAILS



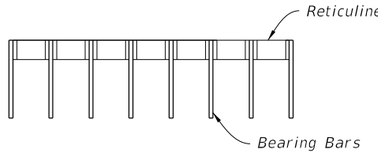
OPTIONAL BAR SPACING



PLAN



SECTION C-C



SECTION D-D

RETICULINE GRATE DETAIL

(Two Grates Required per Inlet)

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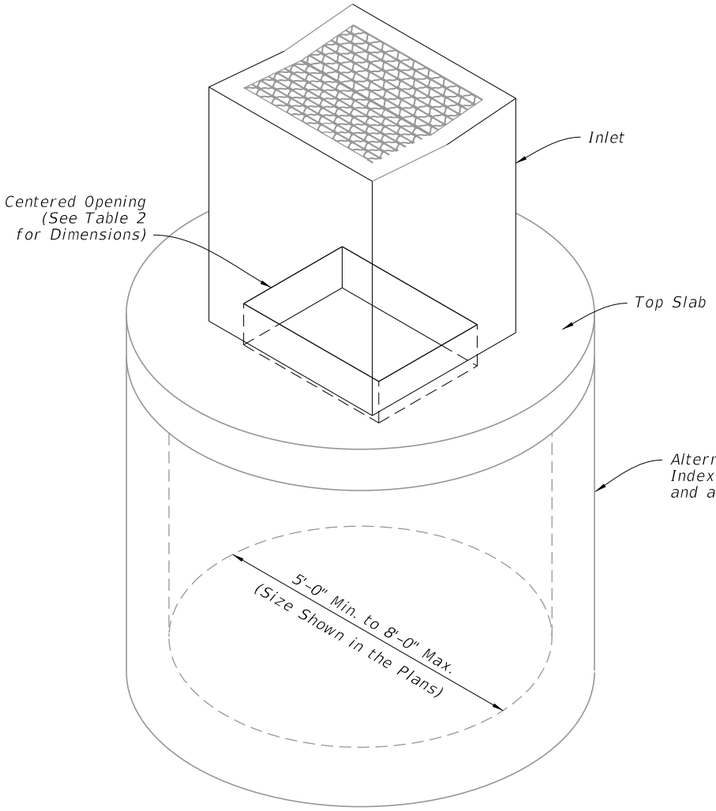
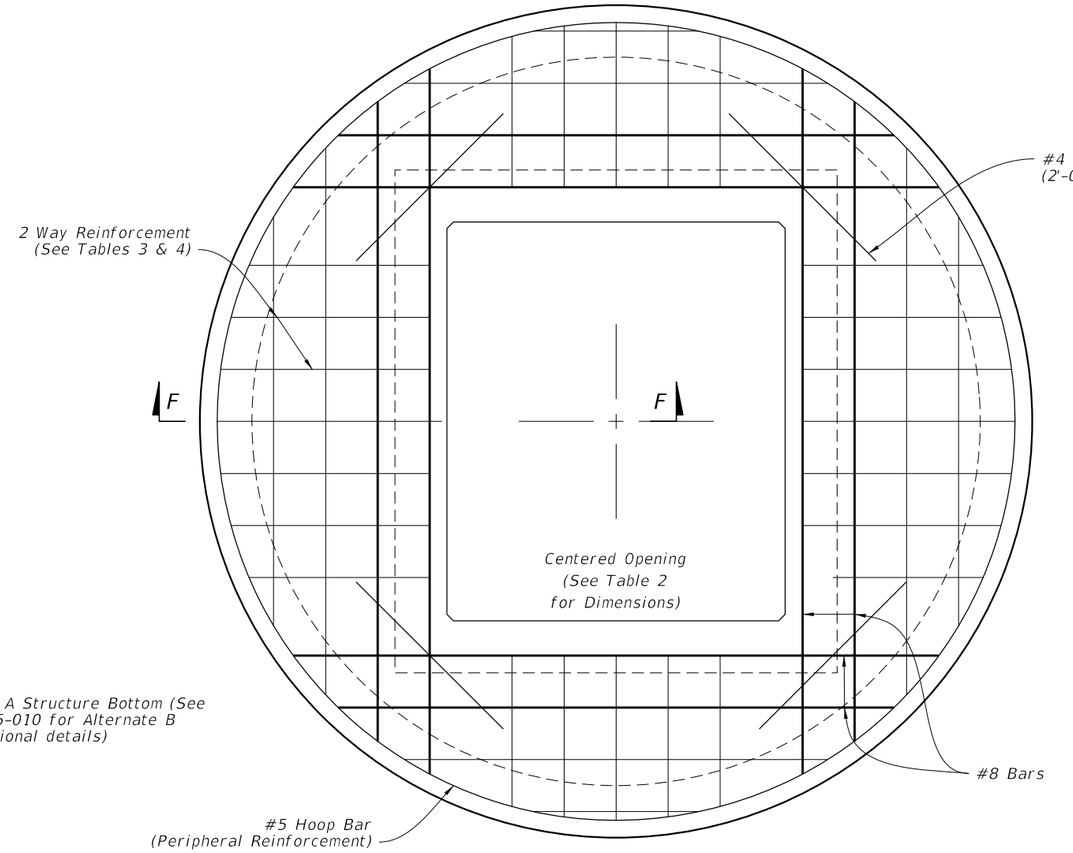
STEEL GRATE DETAILS

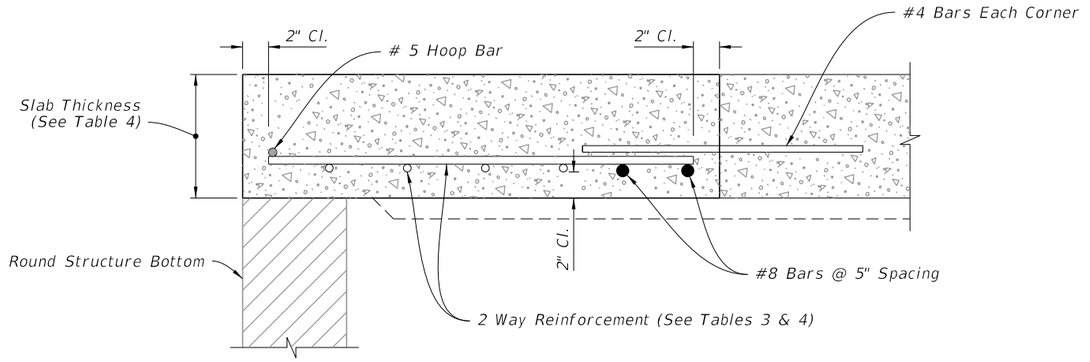
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FY 2025-26 STANDARD PLANS	GUTTER INLET TYPE V	425-041	3 of 4



ISOMETRIC VIEW

TABLE 2 TOP SLAB OPENING		
DIAMETER	OPENING SIZE	
	Min.	Max.
5'-0" to 8'-0"	2'-11" x 4'-0"	3'-3" x 3'-10"





SECTION F-F

TABLE 3 TOP SLAB REINFORCING SCHEDULE	
SCHEDULE	GRADE 60 (BAR) OR 65 KSI & 70 KSI (WIRE FABRIC) $In.^2/ft.$
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: 5'-0"		
≥0.5'<30'	9½"	C
30'<40'	9½"	D
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

TOP SLAB REINFORCEMENT DETAILS

ALTERNATE A STRUCTURE BOTTOM - TOP SLAB DETAILS

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