Index 425-054 Ditch Bottom Inlet Type J

ORIGINATION

Date: 11-1-19 **Name:** Tim Holley **Phone:** 850 414-4117

Email: tim.holley@dot.state.fl.us

COMMENTARY

Reorganized Details and Sheets to declutter Index. Moved information from detail callouts to Notes in order to decrease clutter of the drawing. Moved design information to SPI.

COMMENTS AND RESPONSES

BLACK = Internal Review Comments **RED** = Standard Plans Response

Name: Missy Hollis Date: 8-10-20

COMMENT: The term used in the Ditch Bottom Inlet indexes referring to either ditch pavement or inlet pavement around the inlet could be confusing, since Specification 524 pertains to ditch pavement. As the concrete surrounding the inlet is to be included in the cost of the inlet, it is recommended to change the term to "concrete apron" in order to differentiate that concrete from the pavement outlined in Specification 524.

RESPONSE: Agreed

Change made to Index: The index was revised to include concrete apron in the place of

concrete ditch pavement.

Date: 8-24-2020

Name: Nathan Pulido Date: 8-27-2020

COMMENT: 425-040 type-S section B-B refers to "grate elevation" and 425-041 and 425-054 refers to

"Inlet elevation". Should be consistent throughout.

RESPONSE: Agreed

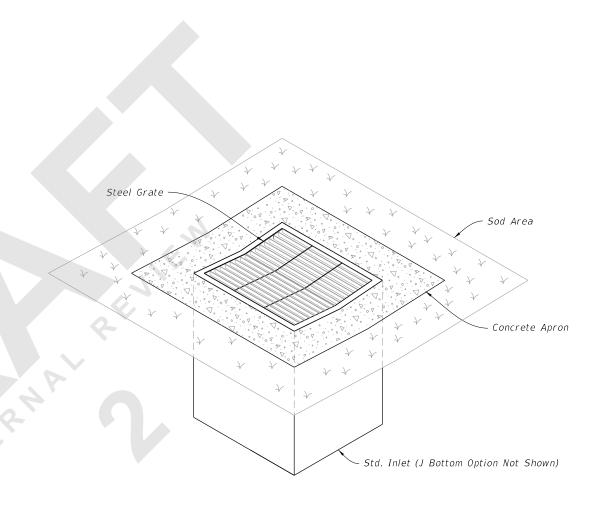
Change made to Index: Changed callouts in each index to "Sta./Offset Elev." for uniformity.

Date: 8-28-2020

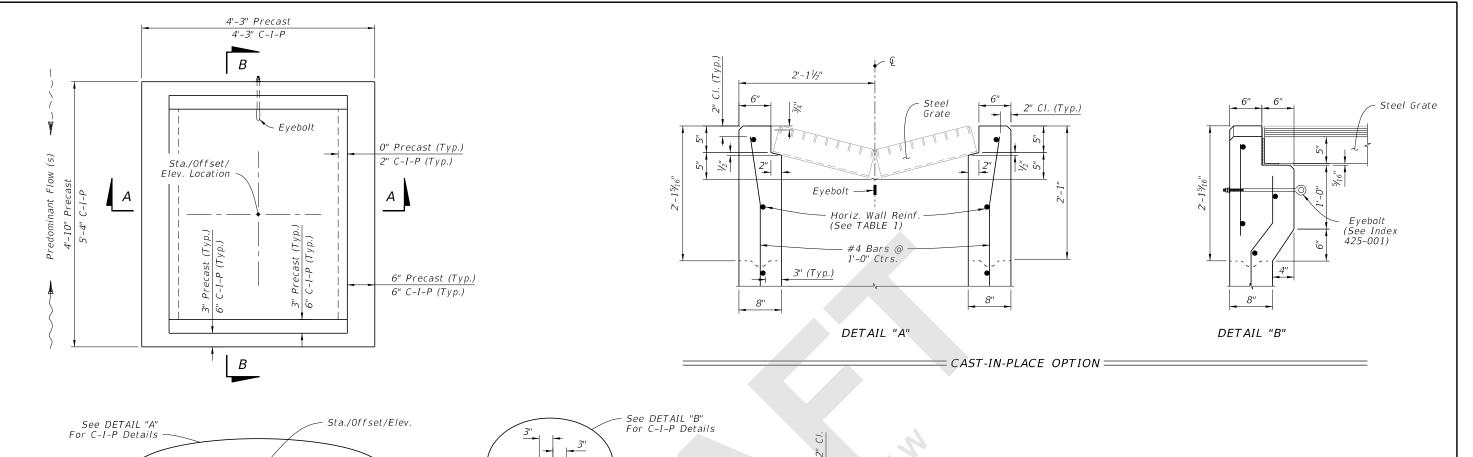
GENERAL NOTES:

- 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 11/2".
- 3. Chamfer all exposed edges and corners $\frac{3}{4}$ " or tooled to $\frac{1}{4}$ " 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 Reinforcement Details			
3	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)



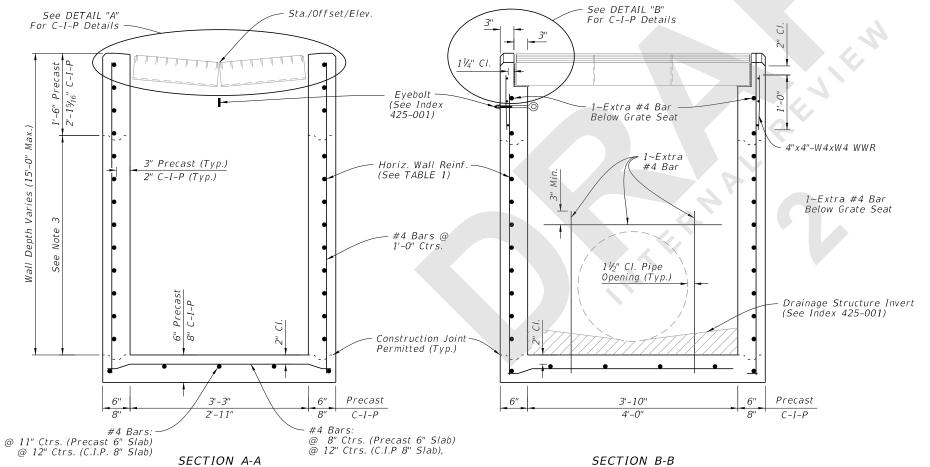


TABLE 1 HORIZONTAL WALL REINFORCING SCHEDULE							
WALL	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING				
DEPTH			BARS	WWR			
0' - 4'	A12	0.20	12"	8"			
4' - 9'	A6	0.20	6"	5"			
9' - 12'	A4	0.24	4"	3"			
9' - 15'	B5.5	0.24	5½"	5"			

NOTES:

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

=== DIMENSIONAL AND REINFORCEMENT DETAILS =

(Pipe Opening Shown)

DIMENSIONAL AND REINFORCEMENT DETAILS

LAST REVISION 11/01/20

DESCRIPTION:

FDOT

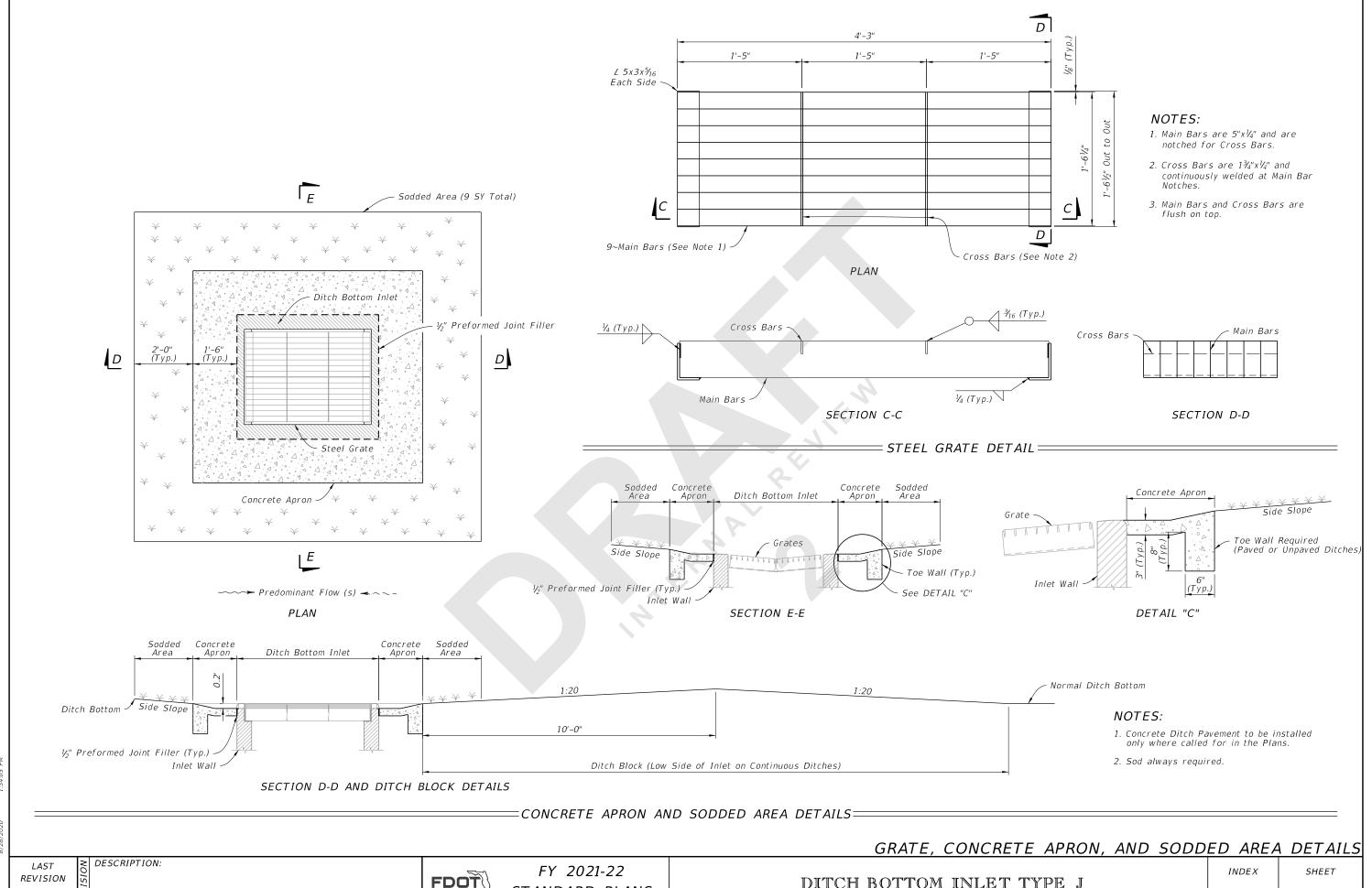
(Pipe Opening Not Shown)

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SHEET 2 of 4



11/01/20

FDOT

STANDARD PLANS

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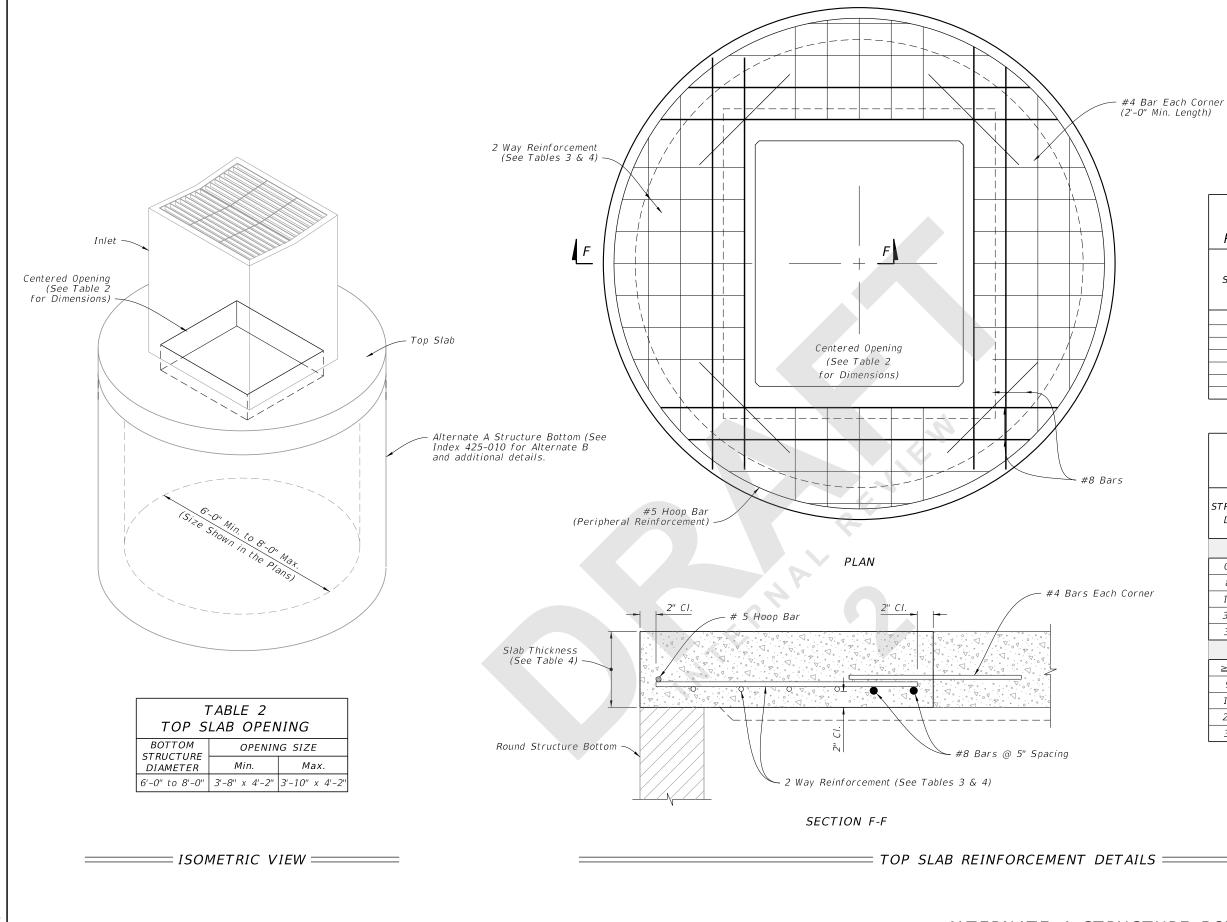


	TABLE 3 TOP SLAB					
	REINFORCING SCHEDULE					
	SCHEDULE	GRADE 60 (BAR) OR 65 KSI & 70 KSI (WIRE REINFORCING) In.²/ft.				
Ī	А	0.20				
	В	0.24				
[С	0.37				
[D	0.53				
	E	0.73				
	F	1.06				
l	G	1.45				

TOP SLAB WITH CENTERED OPENING						
STRUCTURE DEPTH	SLAB THICKNESS	REINFORCING (2 WAY) SCHEDULE				
SIZE: 6'-0"						
0.5'<8'	91/2"	В				
8'<18'	91/2"	С				
18'<30'	91/2"	D				
30'<37'	9½"	Е				
37'-40'	9½"	G				
SIZE: 8'-0"						
≥0.5′<9′	11½"	С				
9'<15'	11½"	D				
15'<23'	11½"	E				
23'<33'	11½"	Е				
33'-40'	11½"	G				

TABLE 4

ALTERNATE A STRUCTURE BOTTOM - TOP SLAB DETAILS

LAST REVISION 11/01/19

DESCRIPTION:

FDOT

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