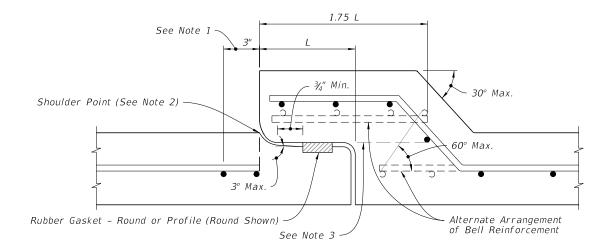
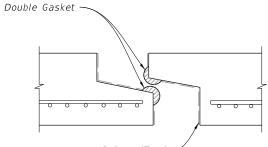


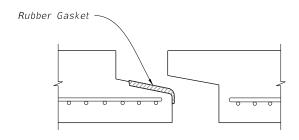
10/14/201





Primer (Typ.)

PREFORMED PLASTIC JOINT



PROFILE RUBBER GASKET

NOTES:

1. Filter Fabric Jacket is required on both type of joints.

2. Details shown before pull-up.

=ELLIPTICAL CONCRETE PIPE JOINT DETAIL ====

DESCRIPTION:



FY 2020-21 FDOT STANDARD PLANS

MISCELLANEOUS DRAINAGE DE

## SCHEDULE OF BELL REINFORCEMENT Classes II,III,IV,V; Wall A,B,C

Nominal Pipe Diameter	Design Bell Reinforcement	Maximum Reinforcement Under Tolerance
	in² per foot	in² per foot
15"	0.07	0.010
18"	0.07	0.010
24"	0.09	0.010
30"	0.12	0.010
36"	0.14	0.010
42"	0.16	0.010
48"	0.19	0.011
54"	0.21	0.012
60"	0.23	0.0135
66"	0.26	0.015
72"	0.28	0.0165
78"	0.30	0.018
84"	0.33	0.0195
90"	0.35	0.021
96"	0.37	0.0225
102"	0.40	0.024
108"	0.42	0.0255

## NOTES:

1. Allowable Tolerance for the last full wrap of reinforcing when using single elliptical cage.

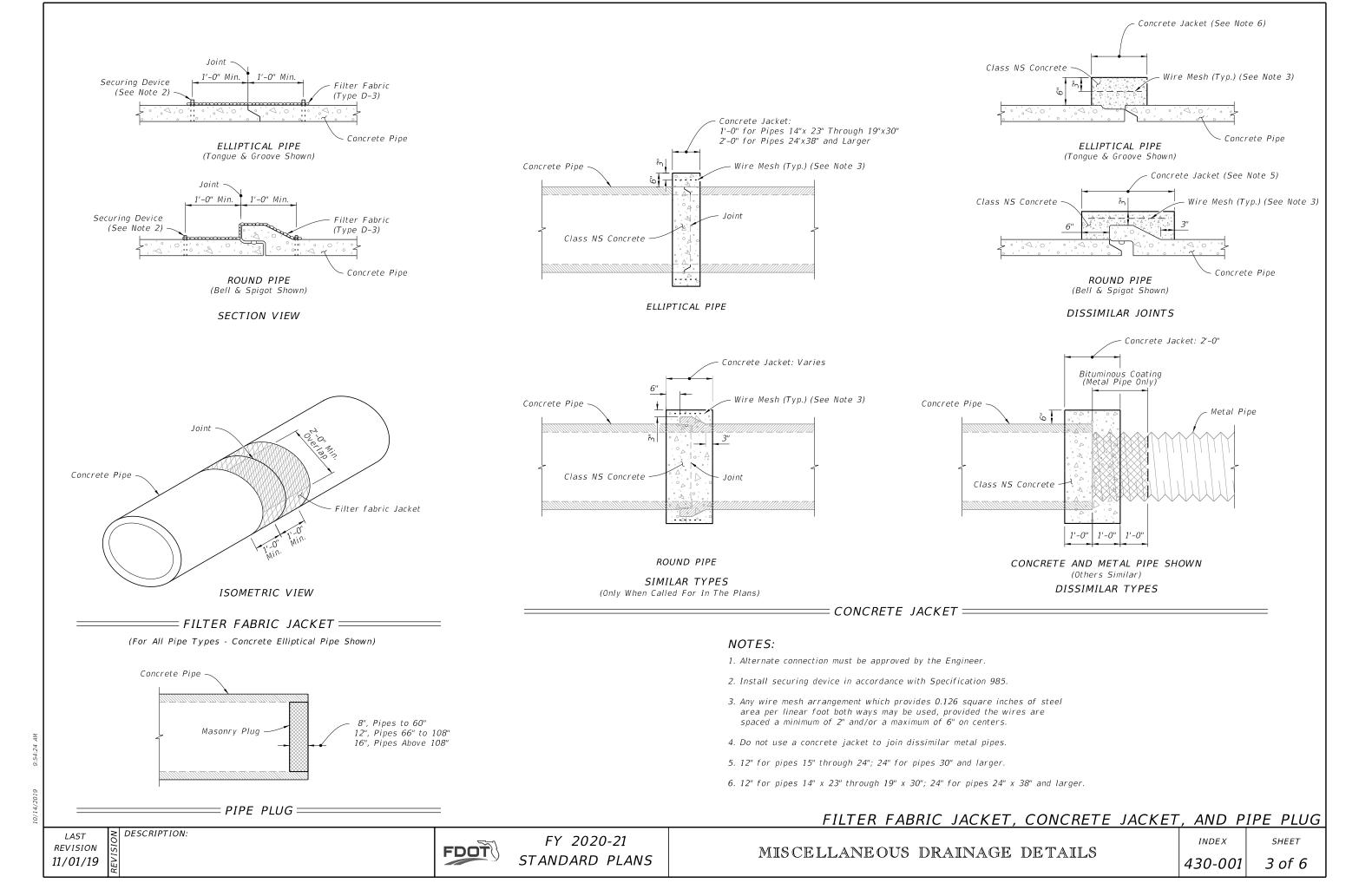
2. Extend the last full wrap of reinforcing to the shoulder point and meet ASTM C-76 requirements.

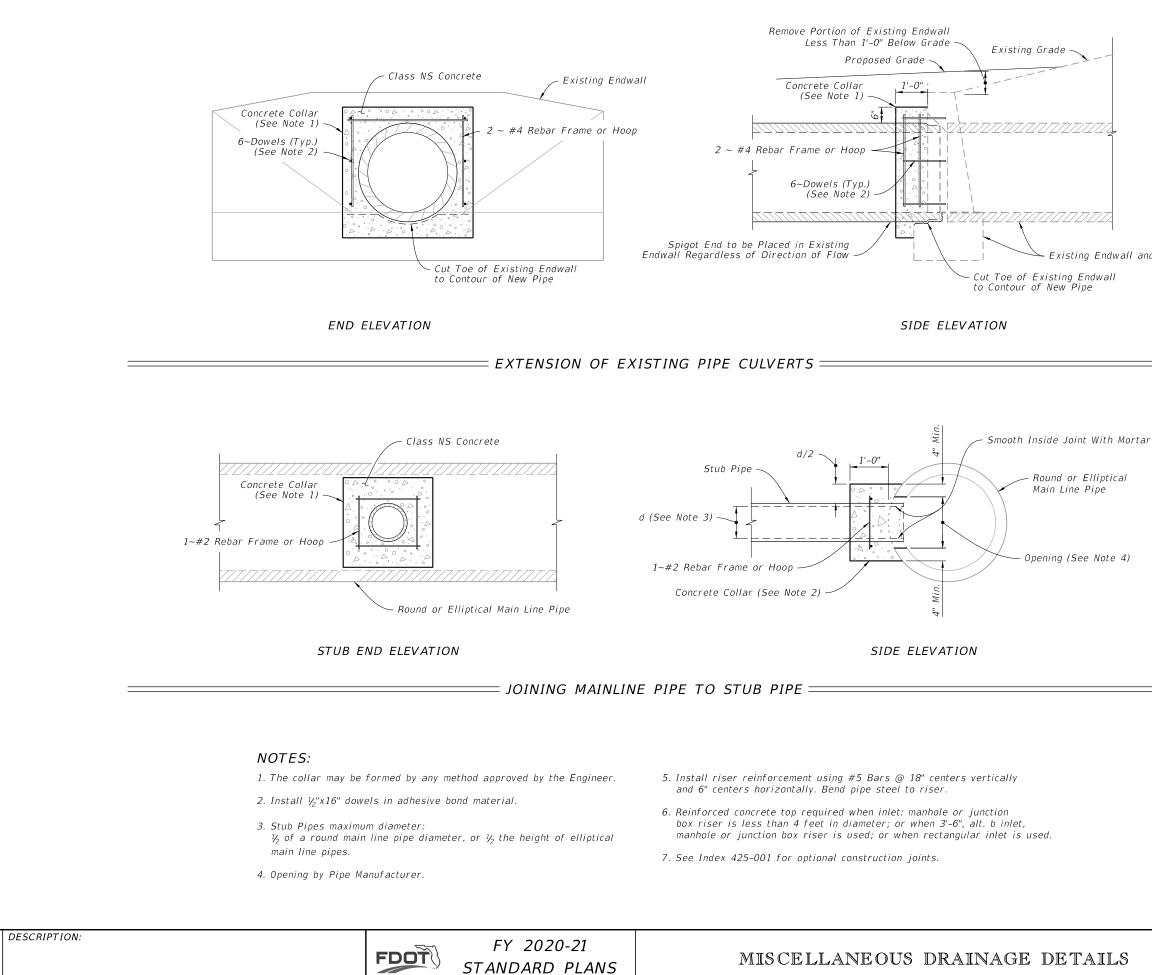
3. All circumferential steel located above this line and within the 1.75 L is defined as bell reinforcement.

=ROUND CONCRETE PIPE JOINT DETAIL=



ROUND AND ELLIPTICAL CONC	RETE PI	PE JOINT
	INDEX	SHEET
DRAINAGE DETAILS	430-001	2 of 6





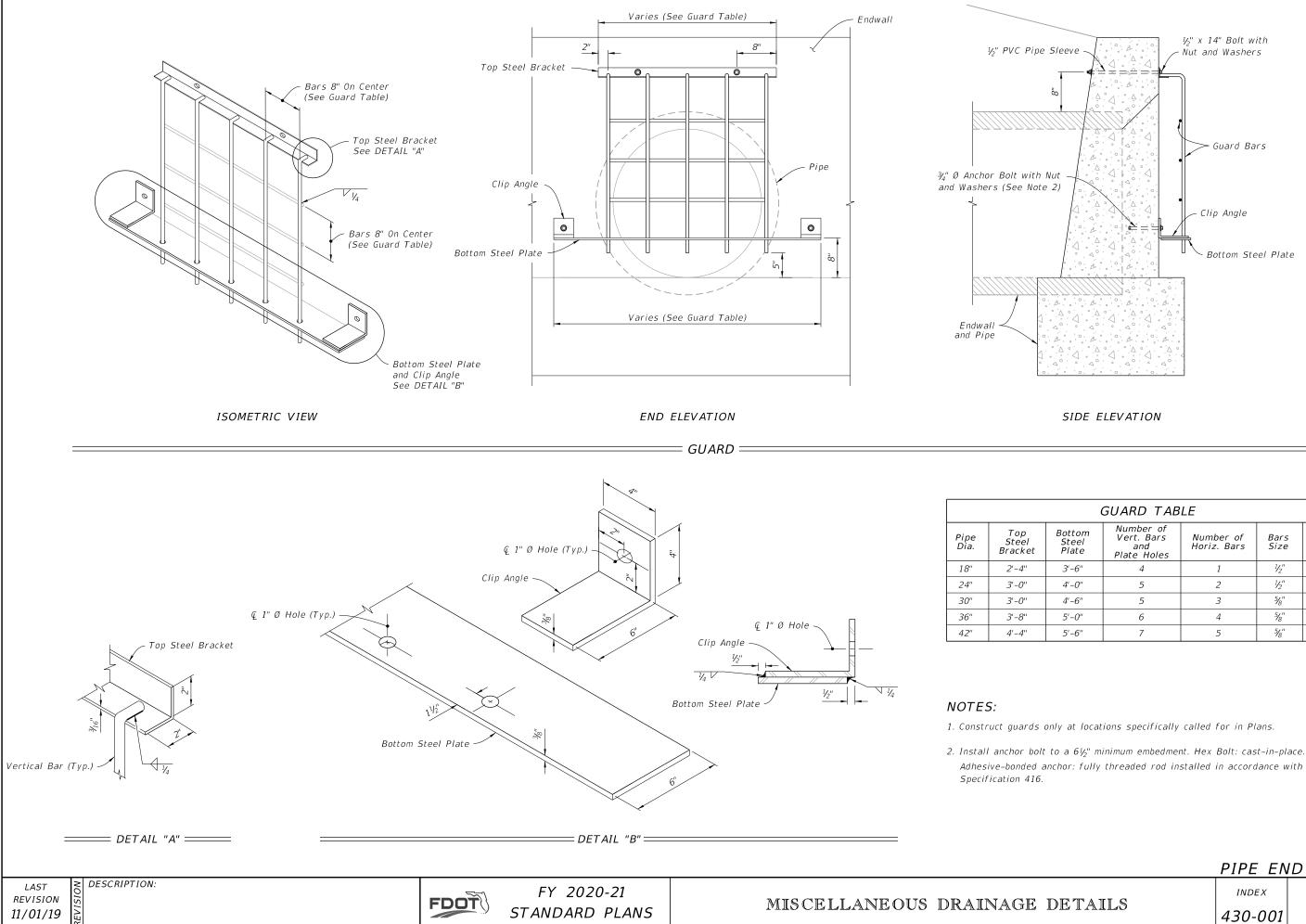
LAST

REVISION

11/01/19

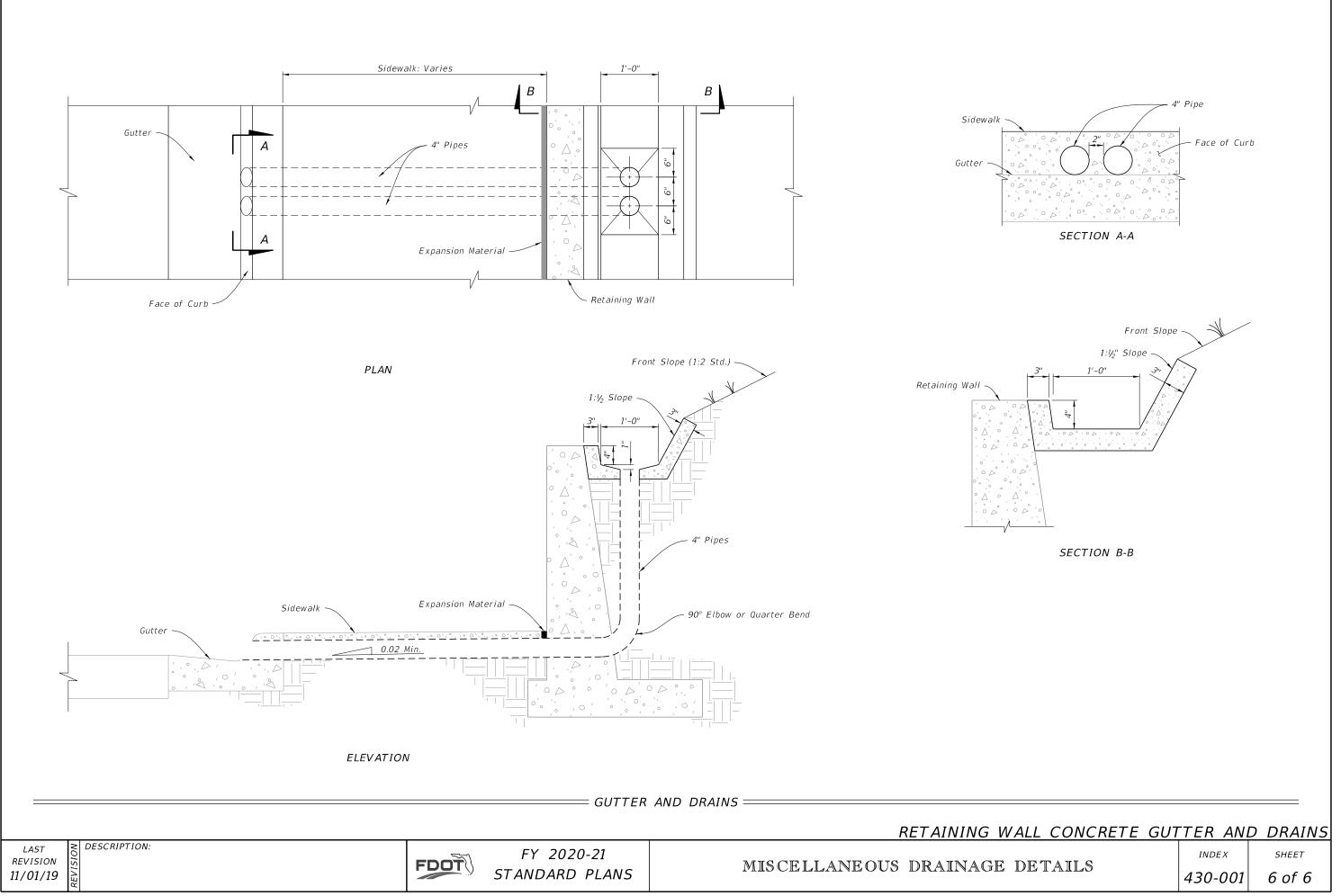
Existing Endwall and Pipe

СО	NCRETE	COLLARS
	INDEX	SHEET
ETAILS	430-001	4 of 6



GUARD TABLE					
ottom Steel Plate	Number of Vert. Bars and Plate Holes	Number of Horiz. Bars	Bars Size	Weight Ibs.	
3'-6''	4	1	1⁄2″	48	
4'-0''	5	2	1⁄2"	58	
4'-6''	5	3	5/8"	74	
5'-0''	6	4	<u>5/8</u> "	90	
5'-6''	7	5	5/8"	111	

	PIPE EN	ID GUARD	
	INDEX	SHEET	
ETAILS	430-001	5 of 6	



4/2019 9:.