Index 430-011 U-Type Concrete Endwalls – Baffles and Grate Optional 15" to 30" Pipe

ORIGINATION

Date: May 7, 2018 Name: Rick Jenkins Phone: (850) 414-4355 Email: <u>Rick.Jenkins@dot.state.fl.us</u>

COMMENTARY

Added Sheets and Reorganized information. Moved pay item notes to Specifications. Updated Bar notations.

Sodding quantities were moved to Index 570-001 to provide the information for sodding around end treatments in a single location.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments RED = Standard Plans Response

is it necessary to say

this?

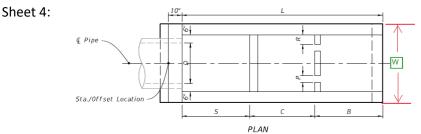
Name: Erin Yao Date: August 8, 2019

COMMENT:

Sheet 1:

GENERAL NOTES:

- 1. Use Class I concrete
- 2. Construct Baffles only when called for in Plans.
- 3. See Sheet 5 when steel grating is required on endwall.
- 4. All reinforcing #4 bars with 2" clearance except as noted.
- 5. Channel section C 3x6 may be substituted for C 4x5.4 channel.



RESPONSE.

Sheet 1: Agree that the note may not be a necessity, but this was a legacy note and we left it as it did not seem to cause an issue.

Sheet 4: Added "W" Dimension.

Date August 8, 2019

GENERAL NOTES:

- 1. Use Class I concrete
- 2. Construct Baffles only when called for in Plans.
- 3. See Sheet 5 when steel grating is required on endwall.
- 4. All reinforcing #4 bars with 2" clearance except as noted.
- 5. Channel section C 3x6 may be substituted for C 4x5.4 channel.
- 6. Endwall may be cast in place or precast concrete. Construct precast units to dimensions shown, or as shown in approved shop drawings. Submit requests forshop drawing approvals to the Engineer. Use Index 425-001 for opening and grouting details.
- 7. Quantities shown are for estimating purposes only.

	TABLE OF CONTENTS:		
Sheet	Description		
1	General Notes and Contents		
2	Endwalls for 1:2 Slopes With Baffles		
3	Endwalls for 1:2 Slopes Without Baffles and Bending Bar Diagram		
4	Endwalls for 1:3, 1:4, and 1:6 Slopes		
5	Steel Grate Option		

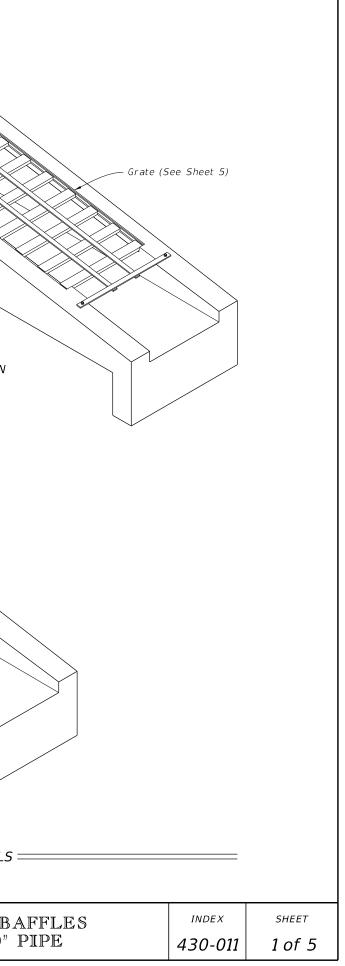
Pipe STEEL GRATE OPTION Pine BAFFLE OPTION

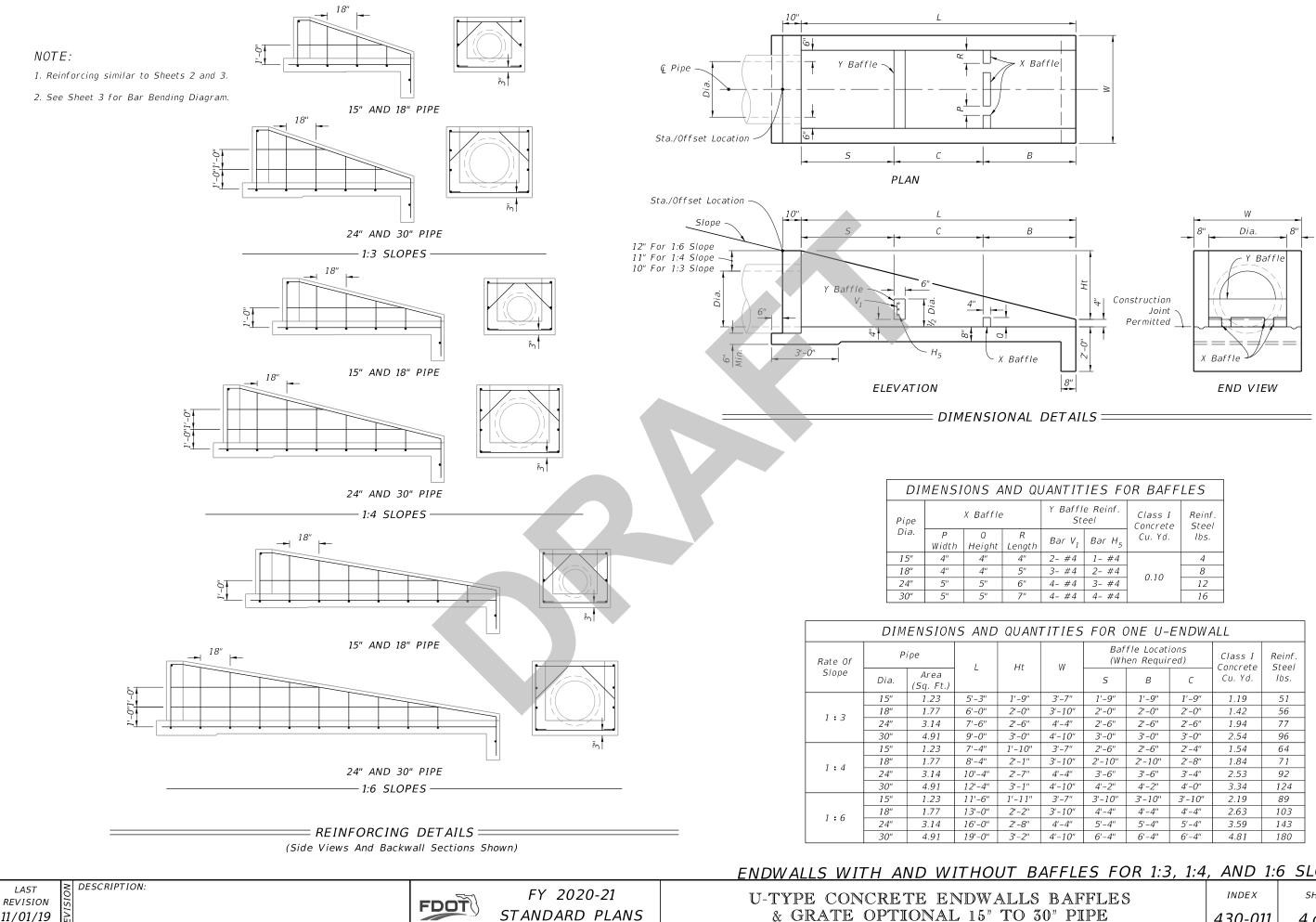
= U-TYPE CONCRETE ENDWALLS =

ST	N	DESCRIPTION:
SION	SIC	
1/10	VI.	



U-TYPE CONCRETE ENDWALLS BAFFLES & GRATE OPTIONAL 15" TO 30" PIPE





LAST	0	1
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& GRATE OPTIONAL 15" TO 30"

NTITIES FOR BAFFLES						
Baffle Reinf. Steel		Class I Concrete	Reinf. Steel			
Bar V ₁	Bar H ₅	Cu. Yd.	lbs.			
°- #4	1- #4		4			
8- #4	2- #4	0.10	8			
!- #4	3- #4	0.10	12			
!- #4	4- #4		16			

W .		fle Locat Ien Requir	Class I Concrete	Reinf. Steel	
	S	В	С	Cu. Yd.	lbs.
3'-7''	1'-9"	1'-9"	1'-9"	1.19	51
8'-10''	2'-0"	2'-0"	2'-0"	1.42	56
4'-4''	2'-6"	2'-6"	2'-6"	1.94	77
l'-10''	3'-0''	3'-0"	3'-0"	2.54	96
3'-7''	2'-6"	2'-6"	2'-4"	1.54	64
8'-10''	2'-10"	2'-10"	2'-8"	1.84	71
4'-4''	3'-6"	3'-6"	3'-4"	2.53	92
l'-10''	4'-2"	4'-2"	4'-0"	3.34	124
3'-7''	3'-10"	3'-10"	3'-10"	2.19	89
8'-10''	4'-4''	4'-4"	4'-4''	2.63	103
4'-4''	5'-4"	5'-4"	5'-4"	3.59	143
l'-10''	6'-4"	6'-4"	6'-4''	4.81	180

FLES FOR 1:3, 1:4	, AND 1:0	6 SLOPES
BAFFLES	INDEX	SHEET
" PIPE	430-011	4 of 5