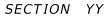


FY 2017-18

DESIGN STANDARDS

CORRUGATED METAL PIPE

CONCRETE PIPE



Note: 1. For concrete and corrugated metal pipes. Concrete pipe shown. 2. The top row of riprap bags shall be secured by pinning, using #4 reinforcing bars 18 inches in

- length, as follows:
- b. The next to last bag on each end shall be secured with two bars vertically.
- concrete pipe two bars shall be used for single bags above the pipe. d. Intermediate bags shall be secured with a single bar.

Bars shall be driven to one inch below the surface of the bag. The cost of furnishing and installing the bars shall be included in the cost of the riprap.

FRONT ELEVATION

					TABLE	E OF	DIMEN	SIONS AI	ND	QUAN	TITIES F	OR (ONE	ENDWALL					
SIZE								ONE PIPE	PE CULVERTS		TWO PIPE CULVERTS		THREE PIPE CULVERTS			FOUR PIPE CULVERTS			
OF	н	Т	A	В	С	F	X	,	RIPR	АР СҮ		RIPR	АР СҮ	,	RIPRA	AP CY	1	RIPR	RAP CY
PIPE								L	СР	СМР	L	СР	СМР		СР	СМР		СР	СМР
18"	2'-3"	1'-0''	4'-0''	0'-0''	0'-0''	1'-9"	2'-10"	8'-9''	1.2	1.2	1 1'-7"	1.5	1.6	14'-5"	1.8	1.9	17'-3"	2.1	2.3
24"	2'-9"	2'-0"	2'-0"	2'-6"	0'-0''	1'-9"	3'-5"	10'-3''	2.4	2.5	13'-8"	3.0	3.2	17'-1"	3.7	4.0	20'-6"	4.3	4.7
30"	3'-4''	2'-0"	2'-0"	3'-2''	0'-0''	1'-10''	4'-3''	12'-0"	3.3	3.4	16'-3"	4.2	4.5	20'-6"	5.1	5.5	24'-9"	6.0	6.5
36"	3'-10"	2'-0"	2'-0"	3'-8''	0'-0''	1'-10"	5'-1"	13'-6"	4.0	4.2	18'-7"	5.2	5.7	23'-8"	6.3	6.9	28'-9"	7.4	8.2
42"	4'-5"	3'-0"	2'-0"	2'-0''	2'-4"	1'-11"	6'-0"	15'-3''	6.4	6.7	21'-3"	8.3	8.9	27'-3"	10.2	11.2	33'-3''	12.3	13.4
48"	4'-11''	3'-0"	2'-0"	2'-0"	2'-10"	1'-11"	6'-9"	16'-9"	7.7	8.1	23'-6"	10.0	10.8	30'-3''	12.3	13.5	37'-0"	14.5	16.2
54"	5'-6"	3'-0"	2'-0"	2'-0"	3'-6"	2'-0"	7'-8"	18'-6"	9.5	10.1	26'-2"	12.4	13.5	33'-10"	15.3	17.0	41'-6"	18.2	20.4
60"	6'-0''	3'-0"	2'-0"	2'-0"	4'-0''	2'-0"	8'-6"	20'-0"	11.0	11.7	28'-6"	14.4	15.8	37'-0"	17.8	19.8	45'-6"	21.1	23.8
66"	6'-7''	3'-0"	2'-0"	2'-0"	4'-8''	2'-1"	9'-3''	21'-9"	13.2	14.1	31'-0"	17.2	18.9	40'-3"	21.2	23.7	49'-6"	25.1	28.5
72"	7'-1"	3'-0"	2'-0"	2'-0"	5'-2"	2'-1"	10'-0''	23'-3"	15.0	16.0	33'-3"	19.4	21.4	43'-3''	23.9	26.8	53'-3''	28.3	32.3
78"	7'-8"	3'-0"	2'-0"	2'-0''	5'-10"	2'-2"	10'-9"	25'-0"	17.5	18.7	35'-9"	22.6	25.0	46'-6"	27.8	31.3	57'-3"	32.9	37.6
84"	8'-2"	3'-0''	2'-0"	2'-0"	6'-4''	2'-2"	11'-8"	26'-6"	19.5	20.9	38'-2"	25.3	28.1	49'-10''	31.1	35.2	61'-6"	36.9	42.4

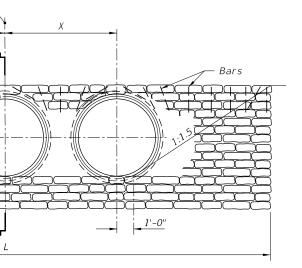
GENERAL NOTES

1. Straight sand-cement endwalls are intended for use outside the clear zone.

FDOT

LAST
REVISION
11/01/16

DESCRIPTION:



a. The end bags shall be secured using two bars per bag, one vertical and one diagonal as shown. c. Bags located over the pipe shall be secured by a bar which is driven diagonally except that for

	INDEX	SHEET			
WALS	NO.	NO.			
	258	1 of 1			