

SECTION YY

Shape Sand Cement Bags On Upstream End To 45° Bevel (3" At Top To 6" On Lower Sides) For Concrete And Metal Culverts -

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

 (a) The end baas shall be secured using two bars per bag, one vertical and one diagonal as shown.
 - (h) The next to last has an each end shall be secured with two hars vertically.
 - (c) Bass located over the pipe shall be secured by a bar which is driven diagonally except that for 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 OF DIMENSIONS AND QUANTITIES FOR ONE ENDWALL																			
SIZE								ONE PIPE	CULVE	RTS	TWO PIPE	CULVE	RTS	THREE PIPE	CULVE	RTS	FOUR PIPE	CULVE	ERTS
OF	Н	Т	A	В	С	F	X	,	RIPRA	AP CY	,	RIPRA	P CY	,	RIPRA	AP CY	,	RIPRA	AP CY
PIPE								L	CP	CMP	L	CP	CMP	L	CP	CMP		CP	CMP
18"	2'-3"	1'-0"	4'-0"	0'-0"	0'-0"	/'-9"	2'-10"	8'-9"	1.2	1.2	//·-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./	5.5	24'-9"	6.0	6.5
36"	3'-10"	2'-0"	2'-0"	3'-8"	0'-0"	1'-10"	5'-/"	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"	/'-//"	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'-//"	3'-0"	2'-0"	2'-0"	2'-10"	/'-//"	6'-9"	16'-9"	7.7	8./	23'-6"	10.0	10.8	30' - 3"	12.3	/3.5	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	//.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./	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	3/.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

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

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD DESIGN STRAIGHT SAND-CEMENT FNDWALLS

LINDWALLS											
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