

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 -Bars /'-0"

Note: (I) 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:

 (a) The end bags shall be secured using two bars per bag, one vertical and one diagonal as shown.

 - (b) The next to last bag on each end shall be secured with two bars vertically.
 (c) Bags 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	E OF	DIN	<i>MENSI</i>	ONS AN	D	QUA	NTITIES	F)R	ONE EI	NDWA	ALL			
SIZE								ONE PIPE CULVE		RTS	TWO PIPE CULVERTS		THREE PIPE	CULVERTS		FOUR PIPE CULVER		ERTS	
0F	<i>H</i>	\mathcal{T}	Α	<i>B</i>	С	F	Х	,	RIPRAP CY		, RIPRAP CY		,	RIPRAP CY] ,	RIPRAP CY		
PIPE									CP	CMP	L	CP	CMP	L	CP	CMP	<u>_</u>	CP	CMP
<i>18</i> "	2'-3"	I'-O"	4'-0"	0'-0"	0'-0"	l'-9"	2'-10"	8'-9"	1.2	1.2	//'-7"	1.5	1.6	<i>14'-5"</i>	1.8	1.9	<i>1</i> 7'-3"	2.1	2.3
24"	2'-9"	2'-0"	2'-0"	2'-6"	0'-0"	<i>l'-9</i> "	3'-5"	10'-3"	2.4	2.5	<i>13'-8"</i>	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"	l'-IO"	4'-3"	12'-0"	<i>3.3</i>	3.4	<i>16'-3"</i>	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"	l'-l0"	5'-/"	13'-6"	4.0	4.2	<i>18'</i> -7"	5.2	5. 7	23'-8"	6.3	6.9	28'-9"	7.4	8.2
42"	<i>4</i> '-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
<i>4</i> 8"	4'-//"	3'-0"	2'-0"	2'-0"	2'-10"	/'-//"	6'-9"	<i>16'-9"</i>	7.7	8.1	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	<i>4</i> I'-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	<i>15.8</i>	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	3/'-0"	17.2	18.9	40'-3"	21.2	23.7	<i>4</i> 9'-6"	25.1	28.5
72"	7'-/"	3'-0"	2'-0"	2'-0"	5'-2"	2'-1"	10'-0"	23'-3"	15.0	16.0	<i>33'-3"</i>	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"	<i>17.</i> 5	18.7	<i>35'-9"</i>	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"	//'-8"	26'-6"	19.5	20.9	38'-2"	25.3	28.1	49'-10"	31.1	35.2	6/'-6"	36.9	42.4

GENERAL NOTES

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



2006 FDOT Design Standards

Sheet No. 00 1 of 1

STRAIGHT SAND-CEMENT ENDWALLS

258