TABLE OF DIMENSIONS AND CONCRETE VOLUMES PER ENDWALL FOR 42" - 96" CIRCULAR PIPE CULVERTS

				DIAMET	ER OF	PIPE	CULVE	RTS				
FOR 1/2:1 FILL SLOPE	DIMENSION	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	DIMENSION
	A	1'-6''	1'-6"	1'-6"	1'-6"	1'-6''	1'-6"	1'-6"	1'-6"	1'-6''	1'-6"	Α
	В	4'-91/2''	5'-4"	5'-101/2"	6'-5"	6'-111/2"	7'-6"	8-01/2"	8'-7"	9'-2'/4''	9'-9¾"	В
	С	3'-3¾"	3'-9"	4'-2 /4"	4'-7"	5'-0%"	5'-5¾"	5'-11"	6'-41/4"	6'-93/8''	7'-25/8''	С
	D	3'-6"	4'-0"	4'-6"	5'-0"	5'-6''	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	D
	E	0'-6"	0'-6"	0'-6"	0'-6"	0'-6"	0'-6"	0'-6''	0'-6"	0'-6"	0'-6"	E
	F	0'-51/2"	0'-6"	0'-61/2"	0'-7"	0'-71/2"	0'-8"	0'-81/2"	0'-9"	0'-91/2"	0'-10"	F
	G	4'-4"	4'-10"	5'-4"	5'-10"	6'-4"	6'-10''	7'-4"	7'-10"	8'-4''	8'-10"	G
	Н	0'-10"	0'-10"	0'-11"	1'-0"	1'-1"	1'-2"	1'-3"	1'-4"	1'-5"	1'-6"	Н
	1	1'-11"	2'-01/2"	2'-3"	2'-51/2"	2'-8"	2'-101/2"	3'-1"	3'-31/2"	3'-6"	3'-81/2"	ı
	J	5'-81/2"	6'-41/4"	7'-11/4"	7'-10"	8'-7"	9'-4"	10'-03/4"	10'-95%"	11'-7''	12'-41/8"	J
	К	4'-51/2"	4'-111/2"	5'-6¾''	6'-11/8"	6'-9"	7'-41/8"	7'-111/4"	8'-61/2"	9'-2"	9'-91/8"	К
	L	6'-75/8"	7'-6"	8'-41/2"	9'-27/8''	10'-11/4"	10'-115/8''	11'-10"	12'-83/8"	13'-67/8"	14'-51/4"	L
	М	1'-1 /4"	1'-21/8"	1'-35/8"	1'-5"	1'-61/2"	1'-8"	1'-93/8''	1'-10¾"	2'-03/8"	2'-2"	М
	N	0'-5¾"	0'-5¾''	0'-6¾"	0'-6¾''	0'-71/2"	0'-81/8"	0'-85%''	0'-91/4"	0'-10"	0'-101/2"	N
	0	0'-111/2"	0'-111/2"	1'-01/2"	1'-11/2"	1'-21/2"	1'-31/2"	1'-41/2"	1'-51/2''	1'-61/2"	1'-71/2"	0
	Р	5'-9''	6'-6"	7'-3"	8'-0"	8'-9"	9'-6"	10'-3"	11'-0''	11'-9''	12'-6"	P
	R	1'-1"	1'-21/2"	1'-4"	1'-5 /2''	1'-7"	1'-8 ¹ /2"	1'-10"	1'-111/2"	2'-1"	2'-21/2"	R
CUBIC YARDS CONCRETE	CONC. PIPE	3.558	4.373	5.635	7.089	8.776	10.702	12.861	15.303	18.195	21.285	CONC. PIPE
	C.M. PIPE	3.791	4.680	6.054	7.642	9.490	11.605	13.984	16.678	19.724	23.107	C.M. PIPE
FOR 2:1 FILL SLOPE	С	4'-4"	4'-107/8"	5'-5¾"	6'-0¾''	6'-7%''	7'-25/8"	7'-91/2"	8'-41/2"	8'-113/8"	9'-6 /4"	С
	F	0'-61/2"	0'-7"	0'-71/2"	0'-8"	0'-81/2"	0'-9"	0'-91/2"	0'-10"	0'-101/2"	0'-11"	F
	G	4'-3"	4'-9"	5'-3"	5'-9''	6'-3''	6'-9"	7'-3"	7'-9''	8'-3"	8'-9"	G
	1	1'-10¾''	2'-0 /4"	2'-2¾"	2'-5 /4"	2'-7¾"	2'-101/4"	3'-0¾''	3'-31/4"	3'-5¾''	3'-8 /4"	1
	J	5'-81/4"	6'-4"	7'-1"	7'-9¾''	8'-6¾''	9'-31/2"	10'-01/2"	10'-91/8"	11'-63/8''	12'-31/2"	J
	L	8'-8"	9'-9¾''	10'-115/8''	12'-11/2"	13'-3¾"	14'-5 /4"	15'-7"	16'-9"	17'-10¾''	19'-05%''	L
	М	1'-1 /8''	1'-2"	1'-31/2"	1'-4¾''	1'-6¾''	1'-7¾"	1'-91/4''	1'-105/8''	2'-01/4"	2'-17/8"	М
	Р	7'-6"	8'-6"	9'-6''	10'-6''	11'-6''	12'-6"	13'-6"	14'-6"	15'-6"	16'-6"	Р
	R	1'-0¾"	1'-2 /4"	1'-3¾''	1'-5 /4"	1'-6¾''	1'-8 /4"	1'-9¾''	1'-11 /4''	2'-0¾"	2'-2 /4"	R
CUBIC YARDS	CONC. PIPE	4.238	5.230	6.761	8.538	10.602	12.958	15.612	18.623	22.104	25.898	CONC. PIPE
CONCRETE	C.M. PIPE	4.469	5.536	7.177	9.088	11.312	13.856	16.730	19.993	23.618	27.704	C.M. PIPE
FOR 1/2:1 AND	a	0'-4 ¹ /2''	0'-5"	0'-5¾"	0'-6 ¹ / ₄ ''	0'-7"	0'-71/2"	0'-81/4"	0'-8¾"	0'-91/2''	0'-10"	a
2:1 FILL SLOPES	b	0'-31/2"	0'-4"	0'-41/2"	0'-5"	0'-51/2"	0'-6"	0'-61/2"	0'-7"	0'-71/2"	0'-8"	Ь

FOR ALL DIMENSIONS NOT SHOWN SEE VALUES LISTED ABOVE FOR 11/2:1 FILL SLOPE

SHEET 2 OF 3

STANDARD ENDWALL FOR PIPE CULVERTS 42"-96" CIRCULAR PIPES

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

> 105 302