

FOR	CIRCUI AR	CONCRETE	OR	CORRUGATED	MFTAI	PIPF
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TOR CIRCULAR CONCRETE OR CORROGATED MILITAL THE												
DIMENSIONS												
PIPE I.D.	н	Т	s	L-30° 1½:1 SLOPE	L-30° 2:1 SLOPE	L-45° 1½:1 SLOPE	L-45° 2:1 SLOPE	а	b			
42"	5'-6"	16'-6"	6'-0"	6'-71/2"	8'-8"	8'-0"	10'-6"	0'-41/2"	0'-31/2"			
48"	6'-0"	18'-4"	6'-10"	7'-6"	9'-9¾"	9'-21/2"	12'-0''	0'-5"	0'-4"			
54"	6'-6"	20'-3"	7'-8"	8'-41/2"	10'-11/2"	10'-3"	13'-6''	0'-5¾"	0'-41/2"			
60"	7'-0"	22'-2"	8'-6"	9'-3"	12'-1/4"	11'-31/2"	14'-101/4"	0'-61/4"	0'-5"			
66"	7'-7"	24'-0"	9'-4"	10'-11/4"	13'-31/2"	12'-41/2"	16'-4"	0'-7"	0'-51/2"			
72"	8'-2"	25'-11"	10'-2"	11'-0''	14'-51/2"	13'-51/2''	17'-8''	0'-7"	0'-51/2"			
78"	8'-81/2"	27'-10"	11'-0"	11'-10''	15'-7"	14'-6"	19'-0"	0'-7"	0'-51/2''			
84"	9'-3"	29'-8"	11'-10"	12'-81/2"	16'-9''	15'-6"	20'-6"	0'-7"	0'-51/2"			
90"	9'-11"	31'-8"	12'-8"	13'-7"	17'-11"	16'-71/2"	21'-11"	0'-7"	0'-51/2"			
96"	10'-7"	33'-8"	13'-6"	14'-5 <sup> </sup> / <sub>4</sub> ''	19'-1"	17'-81/4"	23'-4"	0'-7"	0'-51/2"			

- 2. FOR DETAILS OF HEADWALL BEVEL SEE STANDARD EW-2SPC, SHEET 101.10.
- 3. REINFORCING STEEL IN ACCORDANCE WITH ASTM A-615 (REINFORCING BARS).
- 4. PIPE OPENINGS IN PRECAST DRAINAGE UNITS SHALL NOT EXCEED 4 INCHES AT ANY GIVEN POINT BETWEEN THE PIPE AND THE PRECAST UNIT.
- DIMENSIONS SHOWN ARE MINIMUM. ACTUAL MEASUREMENTS MAY VARY WITH MANUFACTURER'S TOLERANCES.
- IN NO CASE SHALL TOP OF ENDWALL PROTRUDE ABOVE FILL SLOPE, DITCH SLOPE, OR SHOULDER.
- 7. HEADWALL TO BE BEVELED IN ALL AREAS EXCEPT WHERE A CONFLICT WITH INVERT OR WINGWALL OCCUR.
- 8. BEVEL EDGE AS REQUIRED ON THE HEADWALL AT THE INLET END OF THE CULVERT (WHERE THE FLOW ENTERS THE CULVERT).
- 9. HEADWALL AT THE OUTLET END OF THE CULVERT MAY BE EITHER SQUARE EDGE OR BEVEL EDGE.
- 10. 3/4" CHAMFER MAY BE PROVIDED ON ALL EDGES AT MANUFACTURER'S OPTION.

SPECIFICATION REFERENCE

PRECAST ENDWALLS FOR MULTIPLE PIPE CULVERTS

105
302

PRECAST ENDWALLS FOR MULTIPLE PIPE CULVERTS

42" - 96" CIRCULAR PIPES WITH 45° SKEW
VIRGINIA DEPARTMENT OF TRANSPORTATION

PRECAST ENDWALLS FOR MULTIPLE PIPE CULVERTS

ROAD AND BRIDGE STANDARDS

REVISION DATE SHEET 1 OF 1

101.21