

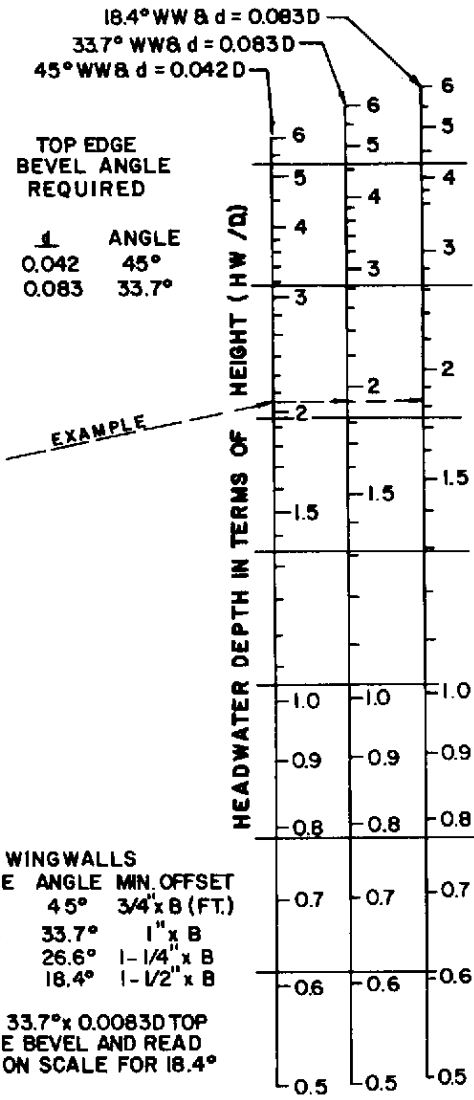
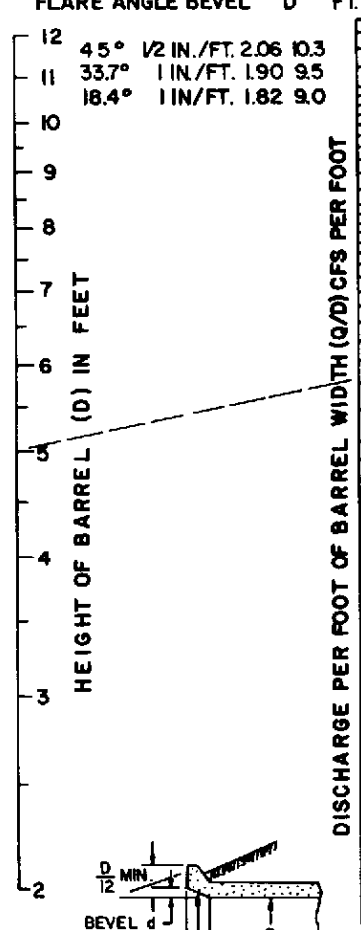
Appendix 8C-13 Inlet Control, Concrete Box with Offset Flared Wingwalls, Beveled Top Edge

CHART 13

EXAMPLE

B = 7 FT. D = 5 FT. Q = 600 C.F.S.
 $\frac{Q}{B} = 71.5$

WINGWALL TOP EDGE FLARE ANGLE	BEVEL	HW / D	HW / Q
45°	1/2 IN./FT.	2.06	10.3
33.7°	1 IN./FT.	1.90	9.5
18.4°	1 IN./FT.	1.82	9.0



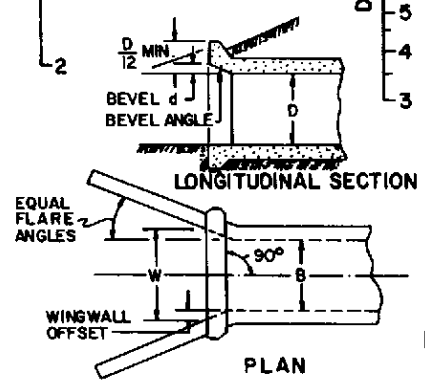
TOP EDGE BEVEL ANGLE REQUIRED

ANGLE	BEVEL
45°	0.042
33.7°	0.083

WINGWALLS

FLARE ANGLE	MIN. OFFSET
45°	3/4" x B (FT.)
33.7°	1" x B
26.6°	1-1/4" x B
18.4°	1-1/2" x B

* USE 33.7° x 0.0083D TOP EDGE BEVEL AND READ HW ON SCALE FOR 18.4° WW



HEADWATER DEPTH FOR INLET CONTROL
 RECTANGULAR BOX CULVERTS
 OFFSET FLARED WINGWALLS
 AND BEVELED EDGE AT TOP OF INLET

BUREAU OF PUBLIC ROADS
 OFFICE OF R & D AUGUST 1968

Source: HDS-5