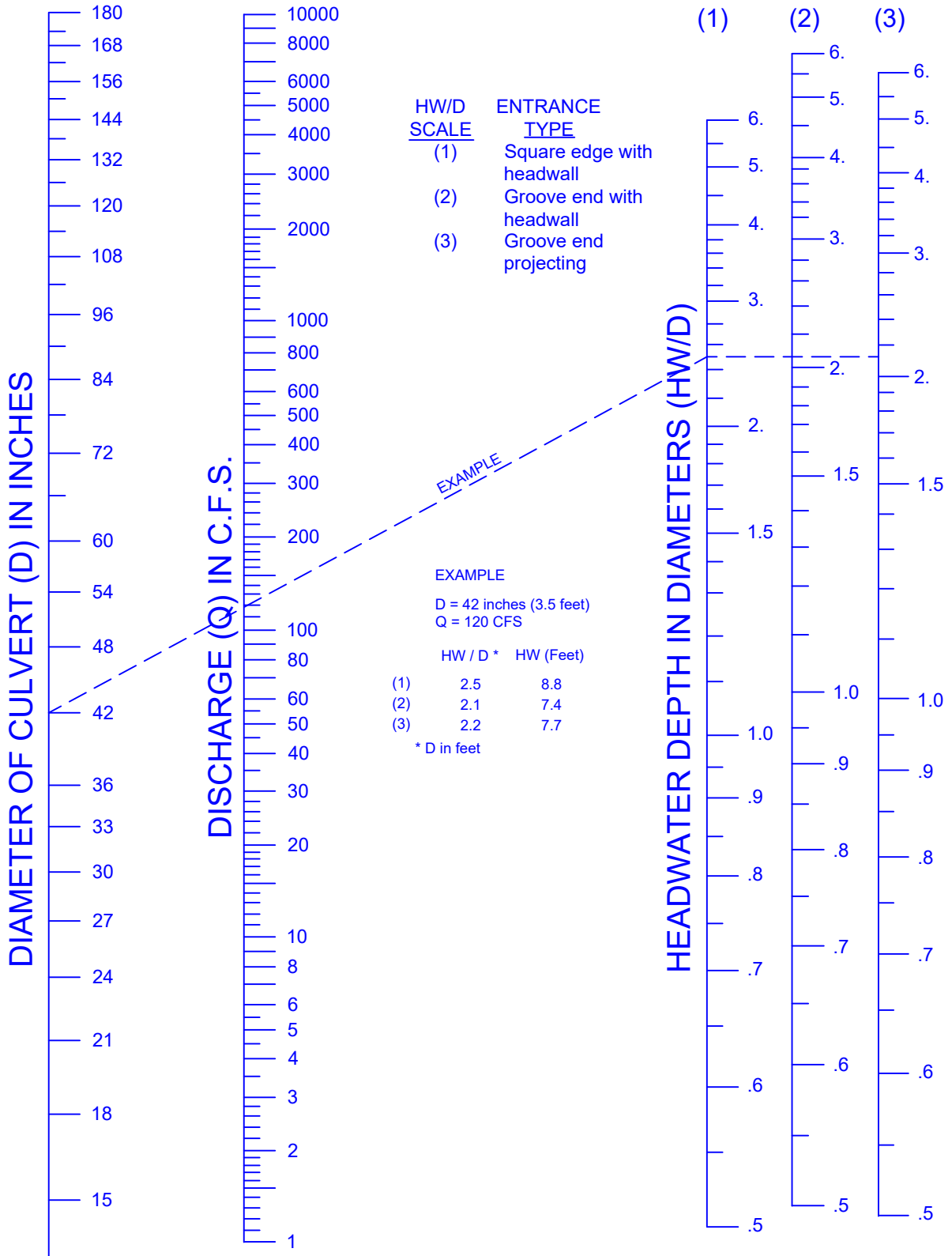
A5 CULVERT DESIGN - INLET CONTROL



HW/D SCALE	ENTRANCE TYPE
(1)	Square edge with headwall
(2)	Groove end with headwall
(3)	Groove end projecting

EXAMPLE

D = 42 inches (3.5 feet)
Q = 120 CFS

	HW / D *	HW (Feet)
(1)	2.5	8.8
(2)	2.1	7.4
(3)	2.2	7.7

* D in feet

To use scale (2) or (3) draw a straight line through known values of sized and discharge to intersect scale (1). From point on scale (1) project horizontally to solution on either scale (2) or (3).

Adapted from the Bureau of Public Roads

HEADWATER DEPTH FOR CONCRETE PIPE CULVERTS WITH INLET CONTROL