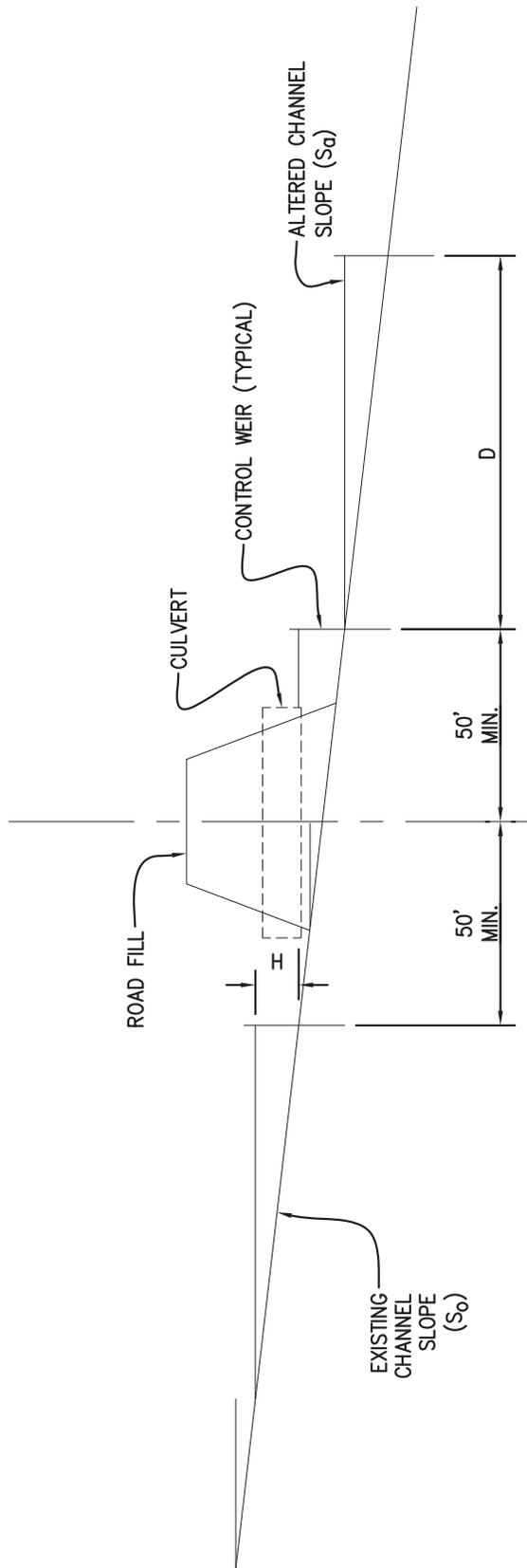


- B = BOTTOM WIDTH OF CHANNEL
CULVERT DIAMETER +6" OR 2'0" MINIMUM
- D = DEPTH OF CHANNEL AT CULVERT DETERMINED BY
CULVERT DIAMETER, 18" MINIMUM
- d = DEPTH OF WATER
- T = TOP WIDTH OF CHANNEL



$$H = D(S_0 - S_d)$$

S_0 = SLOPE HAS SUPERCritical OR EROSIve VELOCITY

S_d = SLOPE HAS SUBCRITICAL AND NONEROSIVE VELOCITY

**CHANNEL PROFILE FOR
 EROSION CONTROL
 AT CULVERTS**