

CURVE A: 16' BOTTOM WIDTH
 10:1 SIDE SLOPES
 DEPTH = 1.2'
 (TOP WIDTH = 40')

CURVE B: 10' BOTTOM WIDTH
 10:1 SIDE SLOPES
 DEPTH = 1.0'
 (TOP WIDTH = 30')

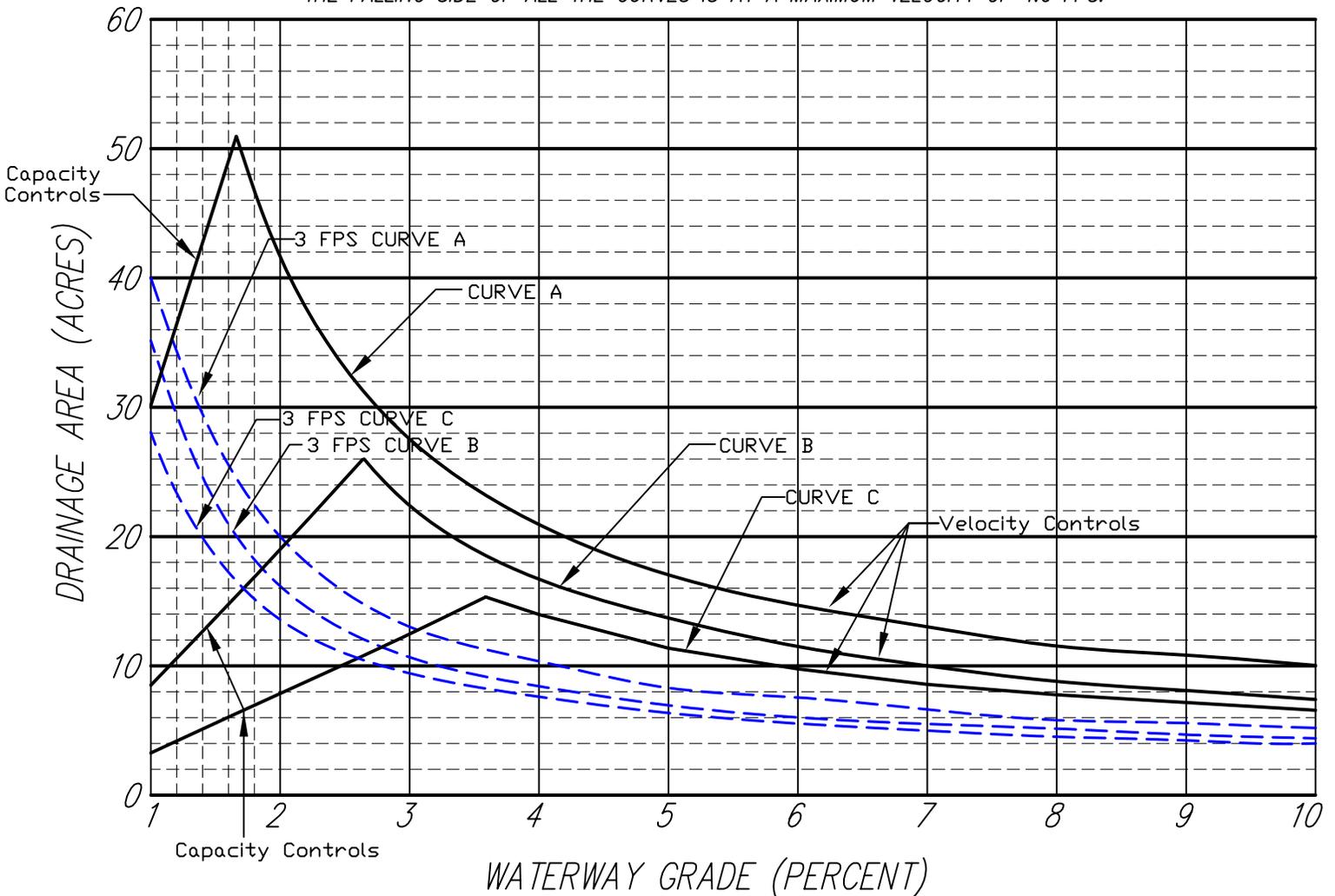
CURVE C: 12' BOTTOM WIDTH
 8:1 SIDE SLOPES
 DEPTH = 0.8'
 (TOP WIDTH = 25')

OR
 10' BOTTOM WIDTH
 8:1 SIDE SLOPES
 DEPTH = 0.8'
 (TOP WIDTH = 23')

C Retardance for Capacity
D Retardance for Velocity

Dashed curve lines represent 3.0 fps velocity
Upper dashed curve line is for Curve A
Middle dashed curve line is for Curve B
Lower dashed curve line is for Curve C

THE FALLING SIDE OF ALL THE CURVES IS AT A MAXIMUM VELOCITY OF 4.0 FPS.



WATERWAY GRADE (PERCENT)
 Figure 1. Alternative Waterway Design