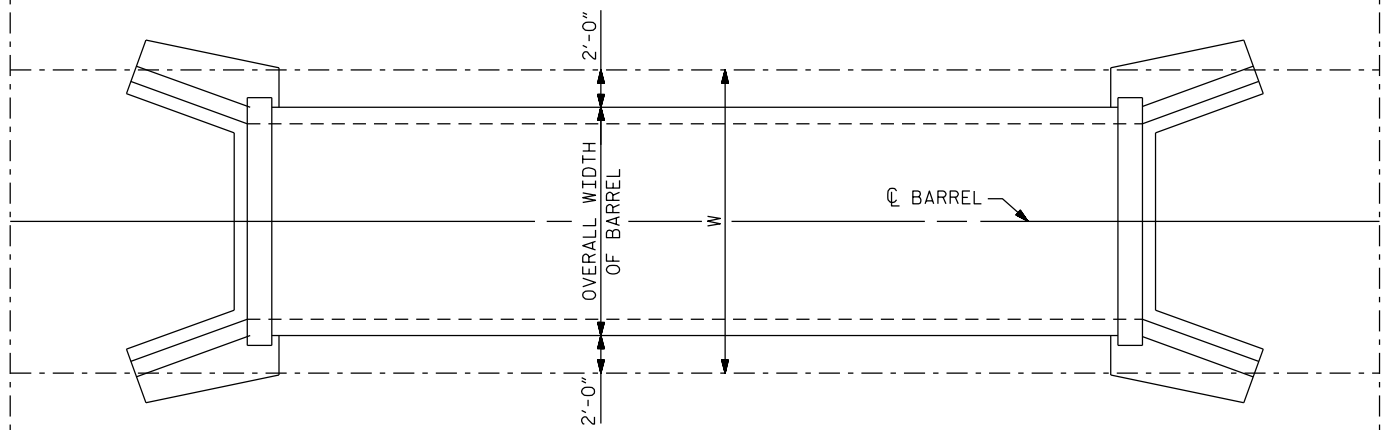
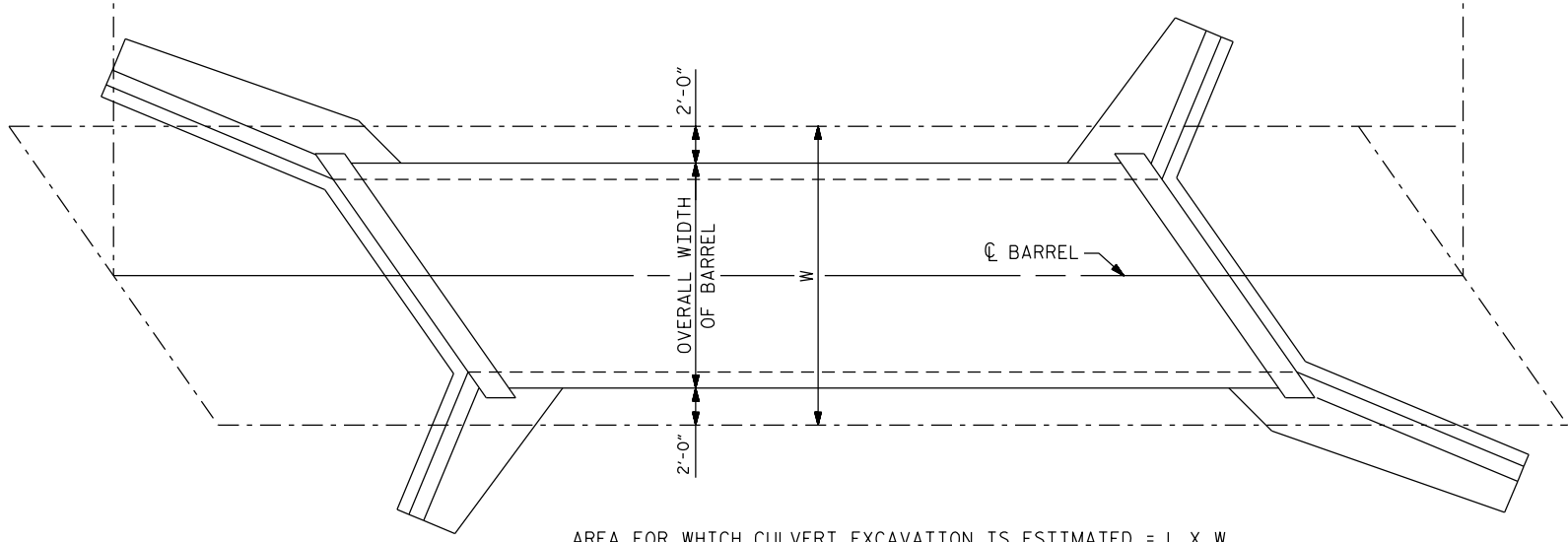


$L = \text{LENGTH OF BARREL PLUS } 2 \text{ [VERTICAL CLEARANCE TIMES WING SLOPE]}$



$L = \text{LENGTH OF BARREL PLUS } 2 \text{ [VERTICAL CLEARANCE TIMES WING SLOPE]}$



DETAILS FOR COMPUTING CULVERT EXCAVATION

FIGURE 9 - 11