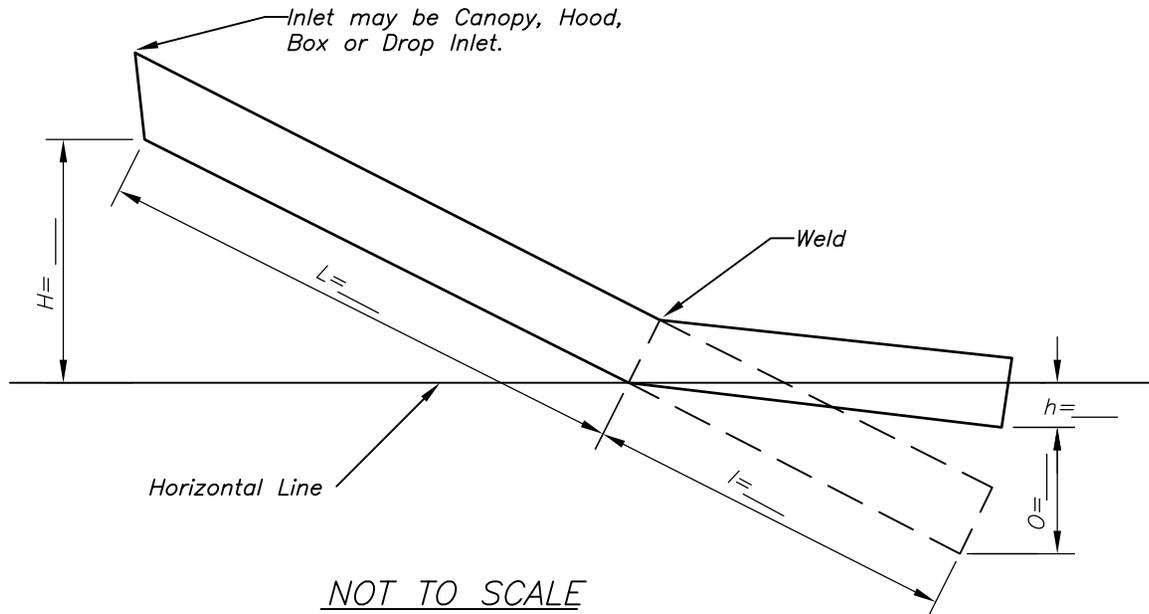


$D =$ Outside Diameter of pipe
 $L =$ Bottom length of pipe above elbow.
 $l =$ Bottom length of pipe below elbow.
 $H =$ Rise in pipe above elbow.
 $h =$ Drop in pipe below elbow.
 $O =$ Offset distance in outlet section.
 $W =$ Wedge cut required for bend.
 $1/2W =$ Diagonal cut for bend if pipe is rotated 180 degrees.

$$O = \left[\frac{H}{L} - \frac{h}{l} \right] \times l$$

$$W = \left[\frac{H}{L} - \frac{h}{l} \right] \times D$$

NOTE: Answer will be in the same unit of measure as used for "l" or "D".



DRAFT
 NOT FOR
 CONSTRUCTION

Date _____

Designed _____

Drawn _____

Checked _____

Approved _____

**DETAILS OF ELBOW BEND
 FOR PRINCIPAL SPILLWAY PIPE**



File Name _____

Drawing Name
 29-L-116

Sheet _____ of _____