

ANTI-SEEP COLLAR DIMENSION TABLE		
Pipe Diam.	No. Used	W (inches)

*Anti-Seep Collar dimensions shown may be increased to allow fabrication from standard size sheets.

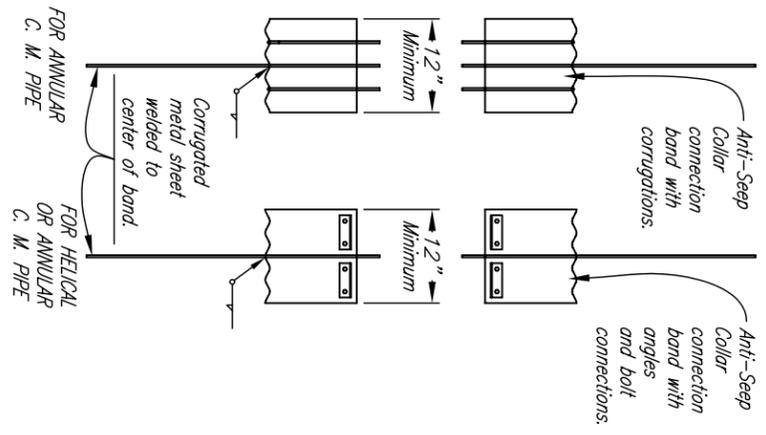
Materials and Fabrication Requirements

1. **Materials and fabrication shall be in accordance with Construction Specification 514 or IA 51 and the following:**
 - A. Sheet material for the anti-seep collar and connection bands shall conform to the requirements specified for the pipe material itself.
 - B. The anti-seep collar sheets shall be corrugated as specified for the spillway pipe.
 - C. The anti-seep collar and connection bands shall be of equal thickness. They may be the next thickness lighter than that of the pipe to which attached, but not lighter than nominal 16 gage nor heavier than nominal 12 gage.
 - D. Metal sheets shall be fastened together to form anti-seep collar halves with either rivets or resistance spot welds as specified for fabrication of pipe; and as shown on this drawing.
 - E. Anti-seep collar connection bands shall be as shown on this drawing. Bands with annular corrugations shall be corrugated as specified for annular pipe. Bands with helical corrugations shall be corrugated as specified for helical pipe.
 - F. Connection angles and connection bolts shall be as specified for coupling bands except,
 - (1) The length of each angle shall be 1/2 the band width minus 1".
 - (2) 4 bolts (2 each side) are required.
 - (3) Integral formed flanges instead of angles may be used on 6", 8", 10" and 12" diameter helical pipe anti-seep collar connection bands.
 - G. Connection rods with lugs shall be used where specified on this drawing. The rods shall be made from structural quality steel and shall be galvanized. The lug may be standard tank type or other commercial type.
 - H. The anti-seep collar halves shall be welded to the connection band as shown on this drawing. All welds shall be treated as specified for "Repair of Damaged Coatings".
 1. The anti-seep collar halves shall be slotted as shown on this drawing for connecting together with 3/8" diameter bolts. The bolts shall be of quality equal to the connection bolts and shall be galvanized or cadmium plated.
2. Shop assemble match and mark anti-seep collar halves.
3. Apply heavy coating of bituminous mastic or 3/8" x 7" neoprene gasket between the anti-seep collar halves to produce watertight joints. Bituminous mastic shall also be applied between the connecting band and pipe to produce a watertight connection.

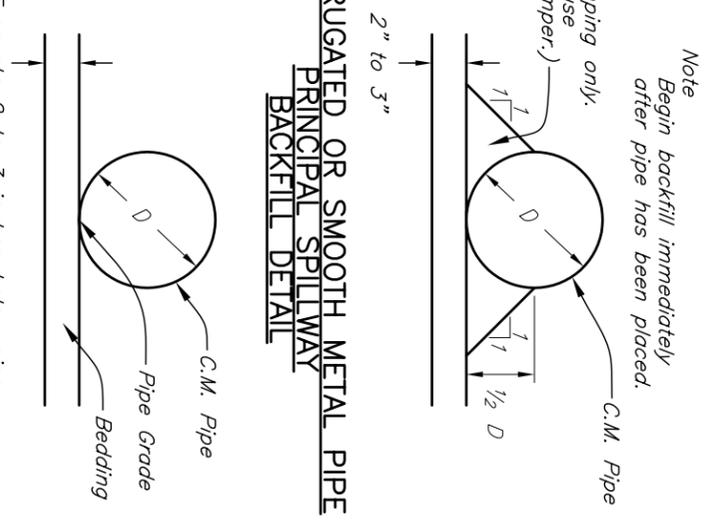
STANDARD DWG. IA-1226

ANTI-SEEP COLLAR FOR 6" TO 48" DIA. C. M. PIPE

DATE July 2008 SHEET 1 OF 1

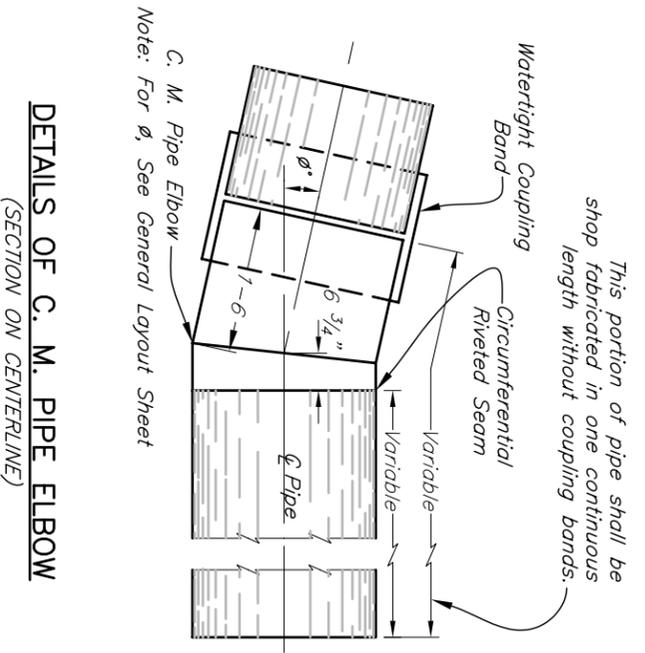


CORRUGATED OR SMOOTH METAL PIPE PRINCIPAL SPILLWAY BACKFILL DETAIL



CORRUGATED OR SMOOTH METAL PIPE PRINCIPAL SPILLWAY BEDDING DETAIL

Excavate 2 to 3 inches below pipe grade. Then backfill with damp friable soil free from lumps and raked or graded to a true plane before placing C.M. Pipe. No compaction of bedding is required.



DETAILS OF C. M. PIPE ELBOW (SECTION ON CENTERLINE)

Note: For ϕ , See General Layout Sheet

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

DETAILS OF ANTI-SEEP COLLAR, C.M. PIPE ELBOW, BEDDING AND BACKFILL



File No. _____
 Drawing No. _____
 Sheet of _____