**ALTERNATIVE CONNECTIONS FOR PIPE TO METAL FLARED END SECTIONS**

- **TYPE A**: 12" - 24"
- **TYPE B**: 36" - 72"
- **TYPE C**: 72" - 108"

**ALTERNATIVE CONNECTIONS FOR PIPE TO PLASTIC FLARED END SECTIONS**

**Typical Cross-Section**

- **FLARED END SECTION CONNECTION TO RCP**

**Notes:**

1. All 3-piece bodies to have 0.109" thick sides and 0.138" thick center panels. Width of center panels to be greater than 20% of the pipe periphery. Multiple panel bodies to have lap seams which are to be tightly joined by rivets or bolts.

2. Reinforced edges to be supplemented with stiffeners for the 60" thru 84" round, 77" x 52" and 83" x 57" pipe-arch sizes. The edges will be 1" wide for the 60" thru 72" round, 77" x 52" and 83" x 57" pipe-arch sizes and 2½" wide for 78" and 84" round. The edges to be attached by 1" x 0.109" nuts and bolts.

3. Angle reinforcement shall be placed under the center panel seams on the 77" x 52" and 83" x 57" pipe-arch sizes.

4. Toe plate to be available as an accessory when specified.

5. End of pipe to be flared with angular corrugations to conform to the connection so that minimal leakage results from the connection. Other designs may be used with approval of the Engineer.

6. For 12" thru 24" helical and section connection, universal coupling band attached to the metal section by rivets, bolts or 1" long shop tack welds spaced at some intervals as flanges may be used in place of the 12" end. See Standard Plan 9597.

7. The types of alternative connections for pipe to metal flared and sections shall conform to the following:

   - **CIRCULAR PIPES**
     - 12" thru 24" Type I or II
     - 30" thru 60" Type III or IV
     - PIPE-ARCHES
       - 21" thru 55" Type I or II
       - 64" x 43" thru 95" x 57" Type III

**Connectors to Be**

- welded wire fabric
- 2" x 4" - W1.2 x W1.2

**Dimensions**

- 1" x 0.109" strap
- 3/8" x 0.109" strap

**Material**

- Reinforced edges, see note 2

**Connections**

- 1/4" # rod or
- 1/2" # rod for

- 1" x 0.109" bolt for

- 1" x 0.109" strap with

- 1/2" # rod or

- 1" x 0.109" strap for