**SECTION**

- **A** = Concrete Pipe Length
- **B+C+E** = C.M.P. or P.E.P. Length

**PLAN**

- **B** is E of roadway, dike survey or other as detailed on the plans.

Skew angle is the angle which one end of the pipe is ahead (by stationing) of a line perpendicular to the **B**.

(Example: Skew Rt. ahead 30 degrees)

Standard type joint couplings are required. See Materials I.M. 441.

1. Refer to the following:
   - DR-201 for circular concrete
   - DR-202 for low clearance concrete
   - DR-205 for circular concrete with end wall
   - DR-206 for low clearance concrete with end wall

2. Refer to the following:
   - DR-203 for the circular metal
   - DR-204 for arch metal

3. See DR-121
4. See DR-122
5. Optional "D" section only when specified in the tabulation.

Refer to the following:
   - DR-204 for low clearance concrete with end wall
   - DR-202 for circular concrete

Standard type joint couplings are required. See (Example: Skew Rt. ahead 30 degrees)

Refer to the following:
   - DR-203 for the circular metal
   - DR-204 for arch metal

See for the circular metal.

See for low clearance concrete with end wall.

See for circular concrete with end wall.

Refer to the following:
   - DR-204 for low clearance concrete
   - DR-202 for circular concrete

Refer to the following:
   - DR-203 for the circular metal
   - DR-204 for arch metal

Possible Tabulation:

<table>
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<th>104-3</th>
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**CONCRETE/CORRUGATED PIPE CULVERT LETDOWN STRUCTURE WITH METAL APRON**