



UNCLASSIFIED LETDOWN
STRUCTURE SINGLE ELBOW (4)

C is C 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 C. (Example: skew Rt. ahead 30 degrees)

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

When the concrete option is used, use connected joints (DR-121) for the outer three joints.

- (1) See DR-201 for concrete or DR-203 for metal.
- (2) Type "A" Diaphragm, see DR-501. If more than one diaphragm is specified, install them 15 feet apart or as specified.
- (3) Bend may be accomplished by use of metal elbow, Pipe Adapter (DR-122), Type "D" Section, or Concrete Elbow (DR-141) as specified. Bend is considered incidental to the Length of pipe.

Possible Tabulation:
104-3

IOWA DOT	REVISION	
	New	04-21-15
STANDARD ROAD PLAN		DR-652
REVISIONS: New. Replaces Detail 1602.		SHEET 1 of 1
 APPROVED BY DESIGN METHODS ENGINEER		
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