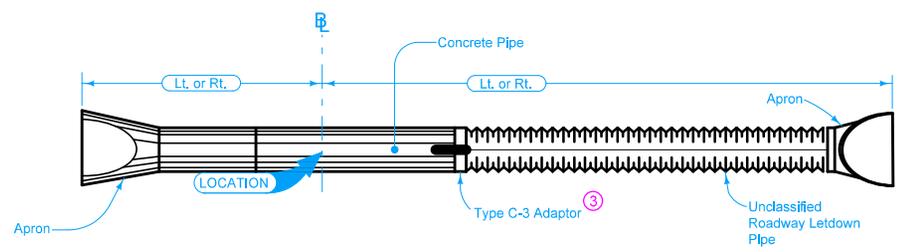


SECTION



PLAN

B is \bar{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 \bar{C} . (Example: skew Rt. ahead 30 degrees)

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

- ① See **DR-201** for concrete or **DR-203** for metal.
- ② Optional "D" Section only when specified in tabulation.
- ③ See **DR-121** and **DR-122.**

Possible Tabulation:
104-3

IOWA DOT	REVISION	
	New	04-21-15
STANDARD ROAD PLAN		DR-653
		SHEET 1 of 1
REVISIONS: New. Replaces Detail 1603.		
<i>Brian Smith</i>		
APPROVED BY DESIGN METHODS ENGINEER		
UNCLASSIFIED ROADWAY LETDOWN PIPE WITH METAL APRON		