℄ is ℄ 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 ℄.
(Example: Skew Rt. ahead 30 degrees)

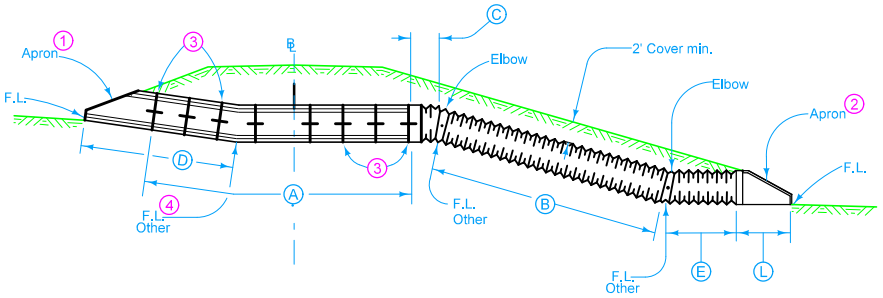
Standard type joint couplings are required. See Materials I.M. 441.

① See DR-201.

② See DR-203.

③ See DR-121 and DR-122.

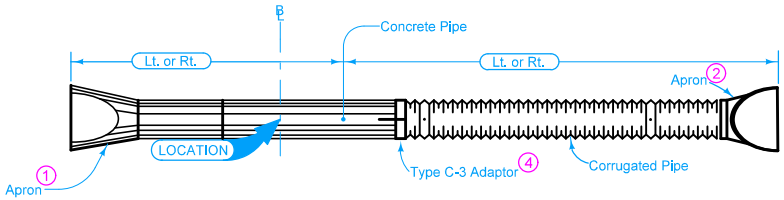
④ Optional "D" section only when specified in the tabulation.



SECTION

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

Possible Tabulation:
104-3



PLAN

IOWA DOT

REVISION
New 04-21-15

STANDARD ROAD PLAN

DR-641

SHEET 1 of 1

REVISIONS: New. Replaces Detail 1501.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

CONCRETE/CORRUGATED PIPE CULVERT LETDOWN STRUCTURE WITH METAL APRON