



If bend is required, extend in the direction specified with skew measured from centerline of existing structure. Dimension Rt. or Lt. is measured at  $\phi$  of pipe along laying length.

- 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 Existing structure.
- ③ If less than 12 inch cover over pipe in median, install median pipe and dike.
- ④ Optional Type "D" Section only when specified in the tabulation.
- ⑤ Install C-3 adaptor beyond proposed shoulder line. Flowline approximately 6 feet below shoulder elevation.
- ⑥ Bend may be accomplished by use of Type "D" Section or Concrete Elbow (DR-141) as specified.
- ⑦ Refer to the following:  
 DR-203 for the circular metal.  
 DR-204 for arch metal.

Possible Tabulation:  
104-3

<b>IOWA DOT</b>	REVISION	
	1	04-18-17
<b>STANDARD ROAD PLAN</b>		<b>DR-629</b>
		SHEET 1 of 1
REVISIONS: Modified notes 1 and 7 to include references to additional apron types.		
<i>Brian Smith</i>		
APPROVED BY DESIGN METHODS ENGINEER		
<b>PIPE EXTENSION LETDOWN STRUCTURE HORIZONTAL BEND (OPTIONAL) - ADDING LANES</b>		