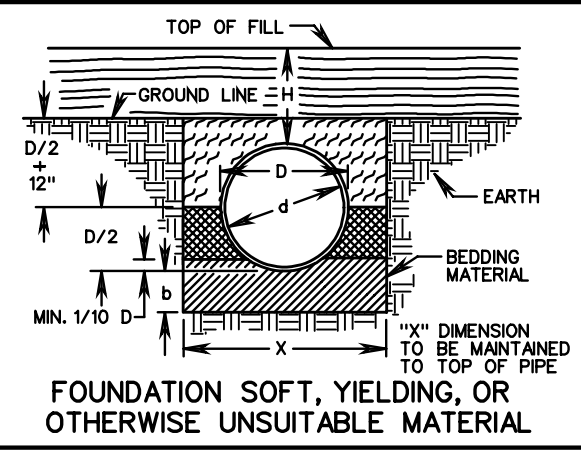
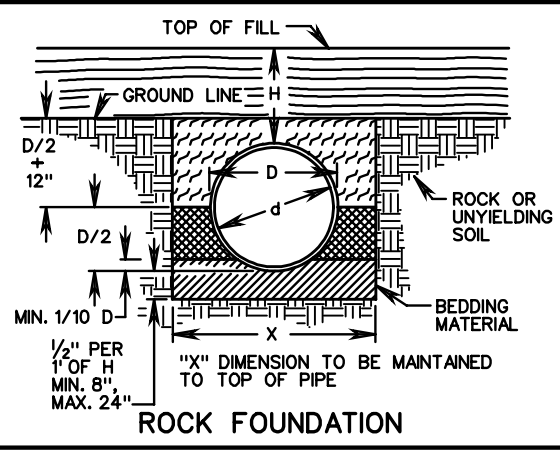
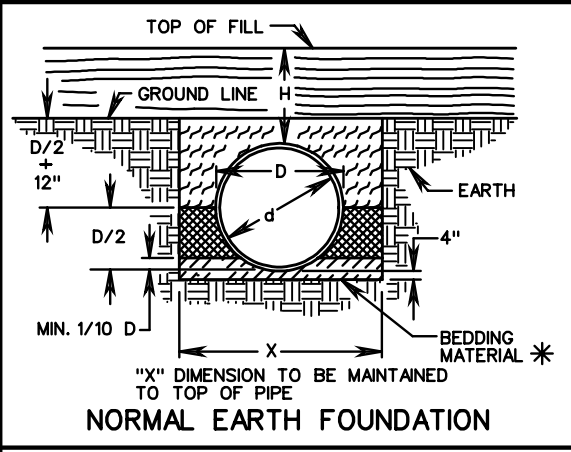
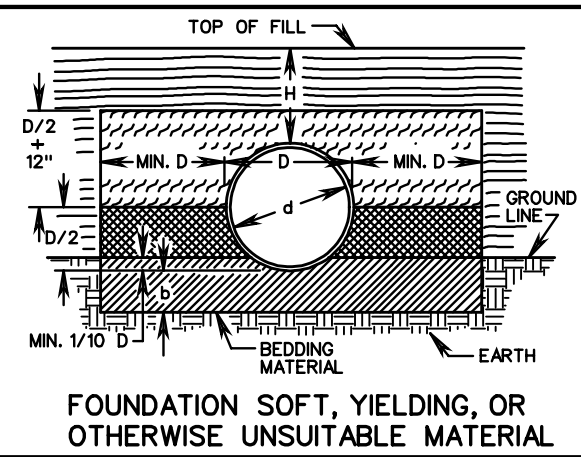
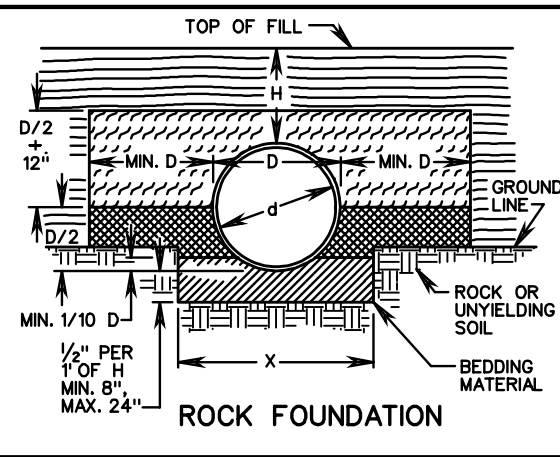
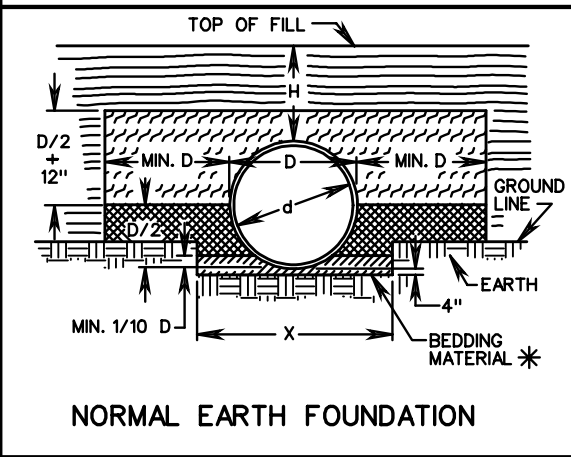


NO PROJECTION OF PIPE ABOVE GROUND LINE



PIPE PROJECTION ABOVE GROUND LINE



CULVERTS LESS THAN  $d = 36"$   
 $X = D + 24"$

CULVERTS WHERE  $d = 36"$  AND OVER  
 $X = D + 36"$

METHOD "A" PIPE BEDDING SHALL BE USED AS FOLLOWS UNLESS OTHERWISE NOTED ON PLANS:  
**RIGID PIPE**

WHEN H IS LESS THAN OR EQUAL TO 30'

**FLEXIBLE PIPE**  
 AS SHOWN ON TABLES

\* MAY BE ELIMINATED UNDER ENTRANCE PIPE EXCEPT FOR PLASTIC PIPE INSTALLATIONS, WHERE DIRECTED BY THE ENGINEER.


H = HEIGHT OF COVER MEASURED FROM TOP OF DRAINAGE STRUCTURE TO FINISHED GRADE.


D = OUTSIDE DIAMETER OF PIPE.

d = INSIDE DIAMETER OF PIPE.

b = DEPTH AS SHOWN ON PLANS OR TO FIRM BEARING SOIL.

\*\* FOR PLASTIC PIPE INSTALLATIONS, CLASS I BACKFILL MATERIAL SHALL BE USED IN LIEU OF CLASS II.

 BEDDING MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.

 CLASS I BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.

 CLASS II BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS. \*\*

 EMBANKMENT

SPECIFICATION REFERENCE
302
303

**INSTALLATION OF PIPE CULVERTS AND STORM SEWERS  
 CIRCULAR PIPE BEDDING AND BACKFILL - METHOD "A"**