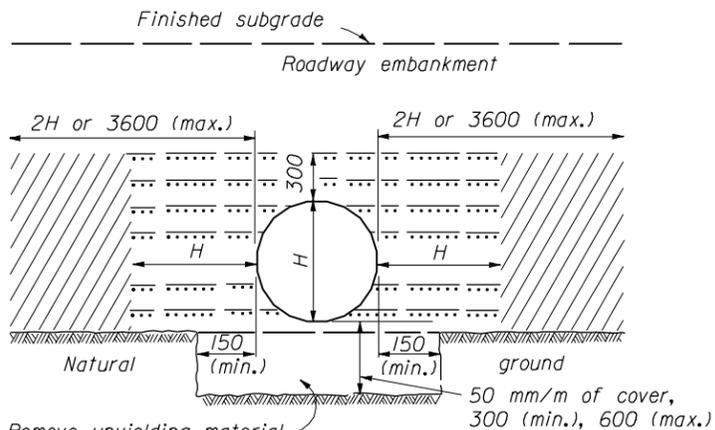
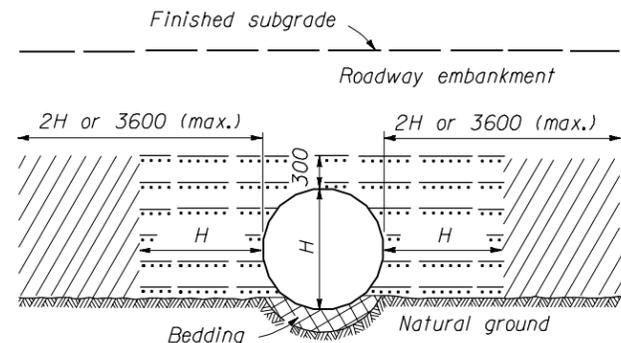


**ABOVE NATURAL GROUND**

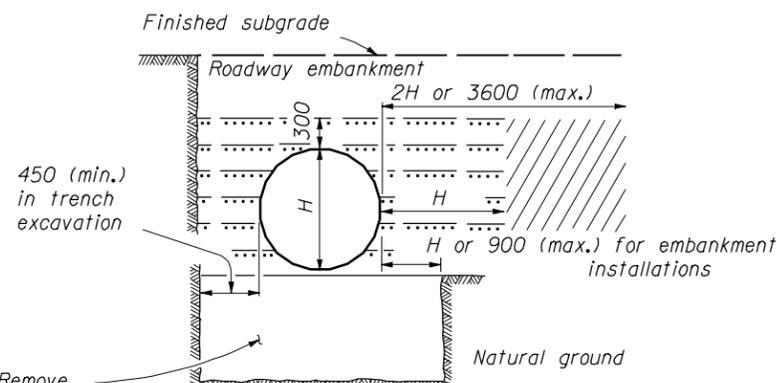


Remove unyielding material and replace with selected fine compressible material. Lightly compact in layers not over 150 mm in uncompacted depth.

**ON UNYIELDING MATERIAL**

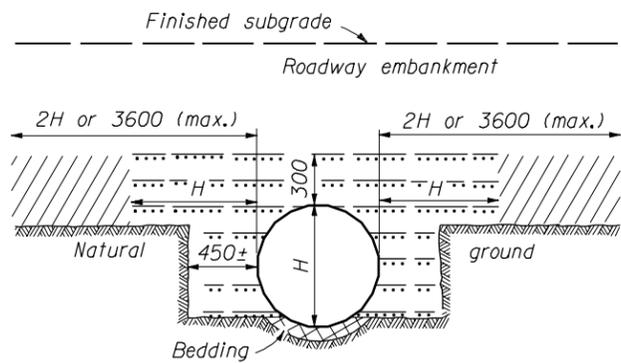


**ON NATURAL GROUND**

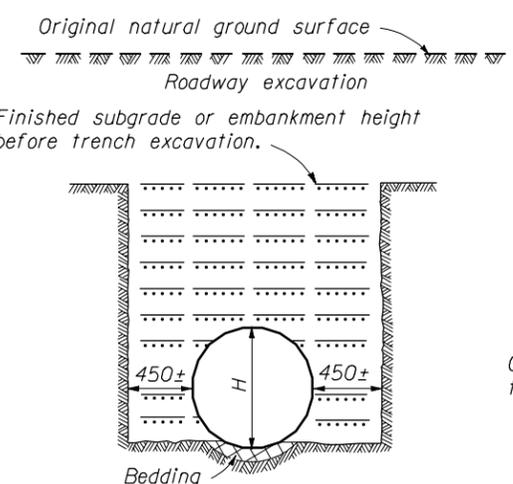


Remove unstable material to firm bearing soil and replace with approved granular foundation fill material properly compacted.

**ON UNSTABLE MATERIAL**

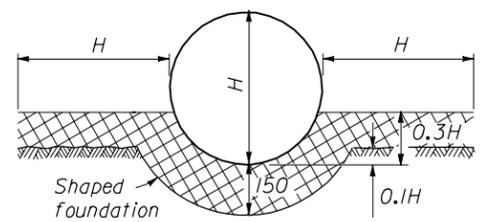


**ABOVE AND BELOW NATURAL GROUND**

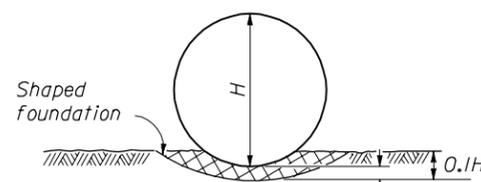


**BELOW NATURAL GROUND OR TRENCH EXCAVATION IN EMBANKMENT**

- Bedding material
- Embankment material placed in layers not exceeding 150 mm compacted depth.
- Approved granular material or fine compactable soil placed in layers not exceeding 150 mm compacted depth.



**CLASS B BEDDING**



**CLASS C BEDDING**

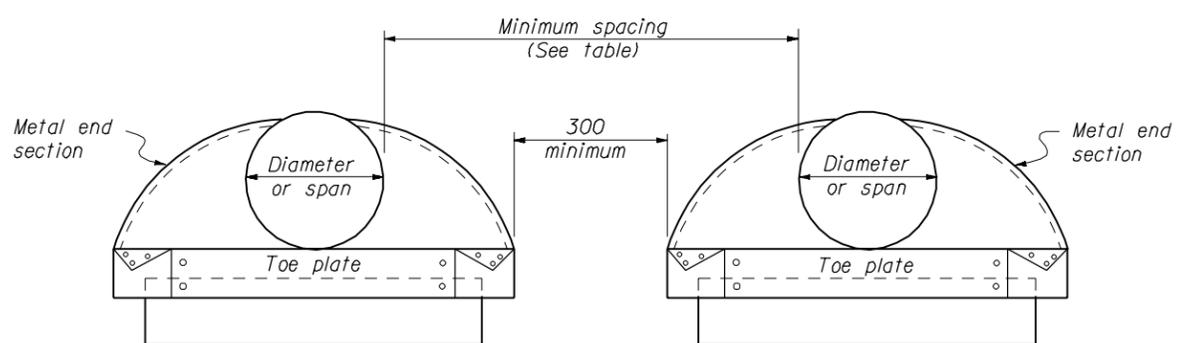
25 for 13 corrugations  
50 for 25 corrugations

**NOTES:**

- Unless otherwise shown, dimensions are in millimeters.
- When directed, camber pipe culverts upward from a chord through the inlet and outlet inverts an ordinate amount equal to 1% of the pipe length. Develop camber on a parabolic curve. If the midpoint elevation on the parabolic curve as designed exceeds the elevation of the inlet invert, reduce the amount of camber or increase the pipe culvert gradient.
- H equals the diameter of all round pipe culverts or the rise and dimension of all pipe arch culverts.
- Bed pipe culverts 1200 mm and larger in diameter and pipe arch culverts 960 mm and greater in rise in Class B bedding. Bed smaller pipe culverts in Class B or C bedding.

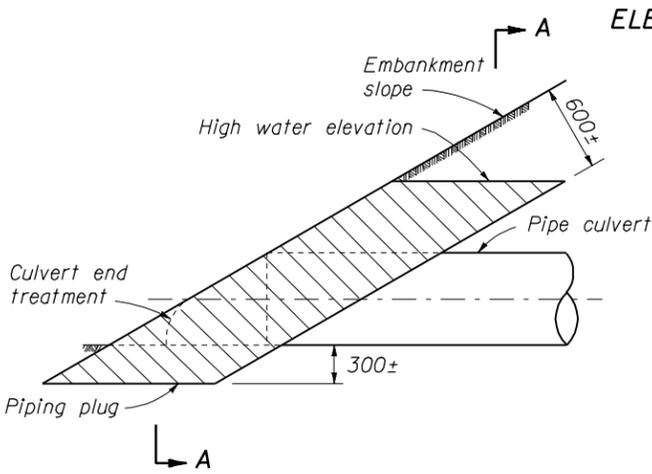
MINIMUM SPACING	
DIAMETER or SPAN	SPACING
UP to 1200	610
1200 and UP	0.5 Diameter or span or 900 whichever is less

**MULTIPLE PIPE INSTALLATION**

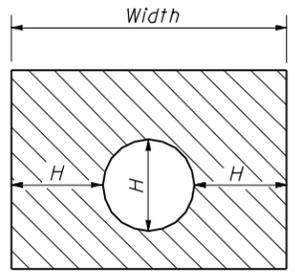


**ELEVATION**

**ELEVATION**



**SECTION A-A**



**SECTION A-A**

Construct piping plug of impermeable backfill material at the pipe culvert inlet where granular material is used for backfill. Width may be adjusted to tie into impervious material.

**PIPING PLUG**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
FEDERAL LANDS HIGHWAY

METRIC STANDARD

**METAL AND PLASTIC PIPE CULVERT BEDDING**

STANDARD APPROVED FOR USE --/----

REVISID: 07/98

STANDARD M602-03