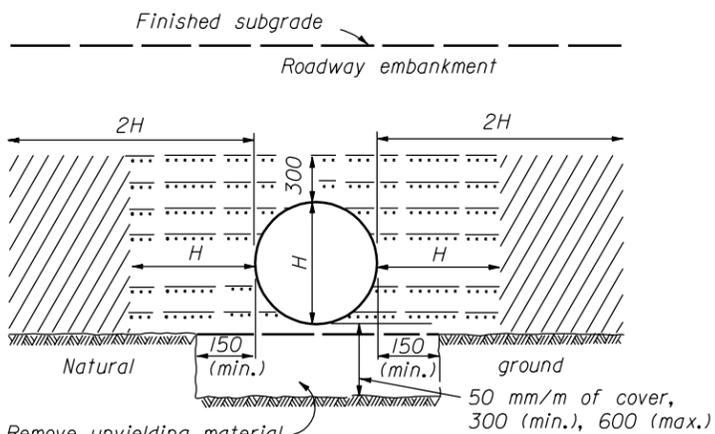
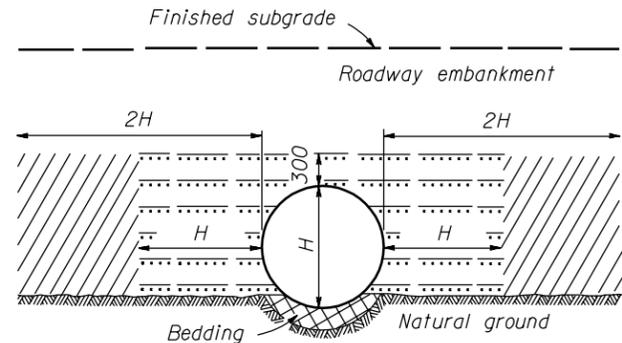


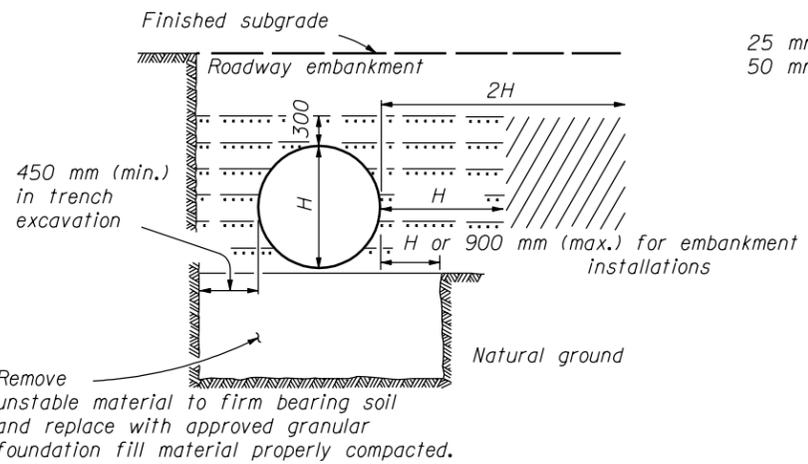
ABOVE NATURAL GROUND



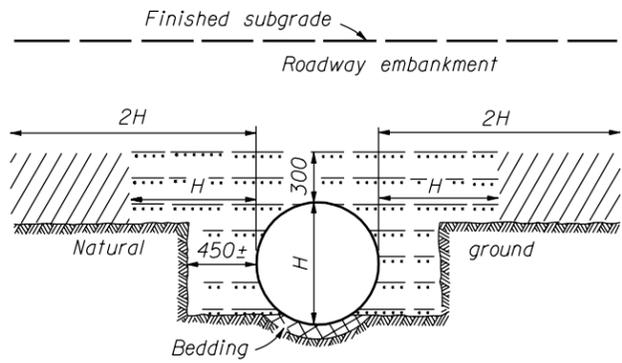
ON UNYIELDING MATERIAL



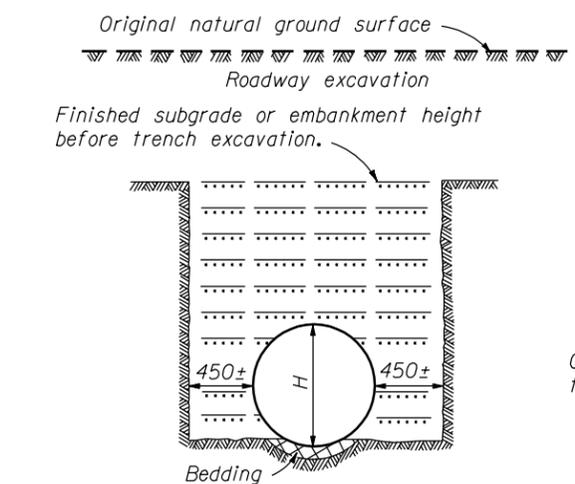
ON NATURAL GROUND



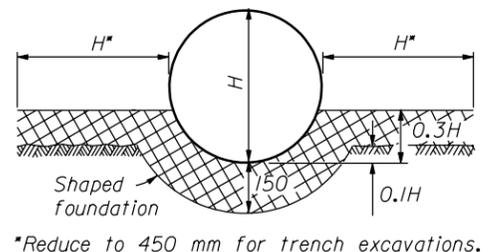
ON UNSTABLE MATERIAL



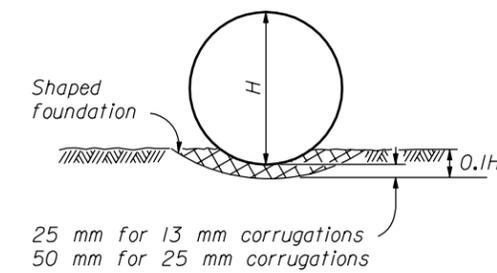
ABOVE AND BELOW NATURAL GROUND



BELOW NATURAL GROUND OR TRENCH EXCAVATION IN EMBANKMENT



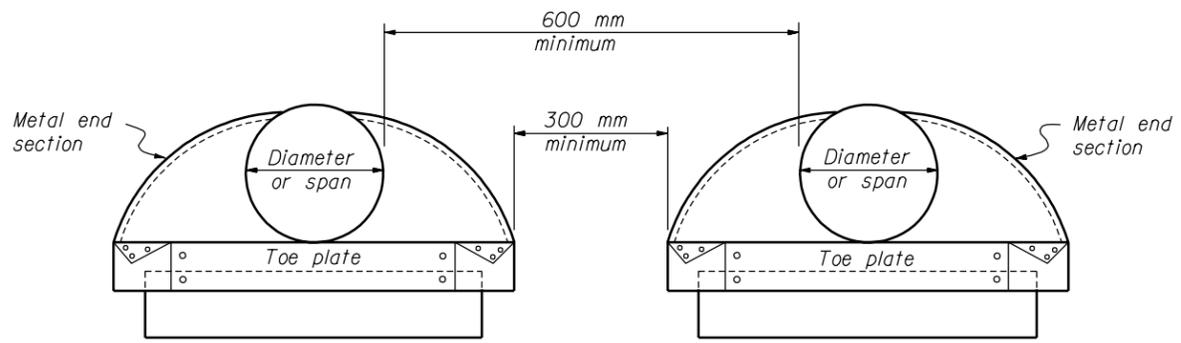
CLASS B BEDDING



CLASS C BEDDING

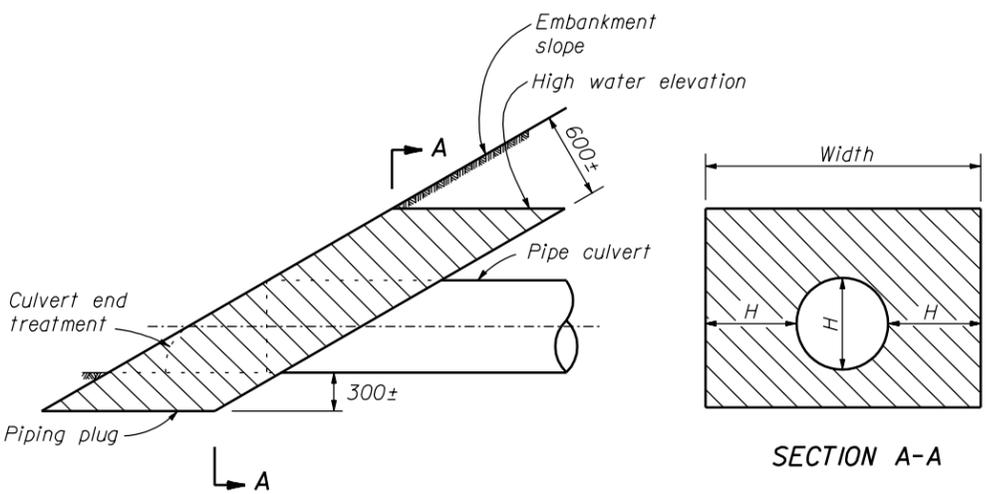
NOTE:

1. Dimensions not labeled are in millimeters.
2. 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.
3. H equals the diameter of all circular pipe culverts or the rise dimension of all pipe arch culverts.
4. Detail applies to all circular pipe culverts where H is 1200 mm or less and all pipe arch culverts with rise 960 mm or less. See drainage details for larger culverts.



ELEVATION

ELEVATION



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

- 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.

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

METRIC DETAIL

METAL AND PLASTIC PIPE CULVERT BEDDING FOR MINOR CULVERTS

DETAIL APPROVED FOR USE 3/1999

REVISID: _____

DETAIL
WM602-3

NO SCALE