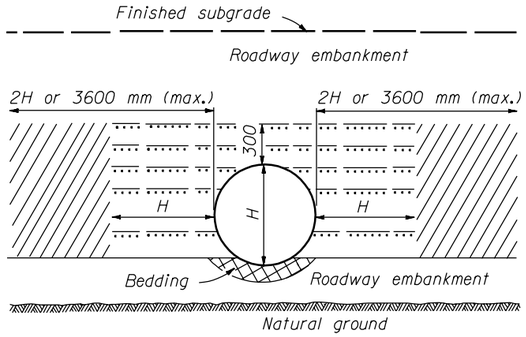
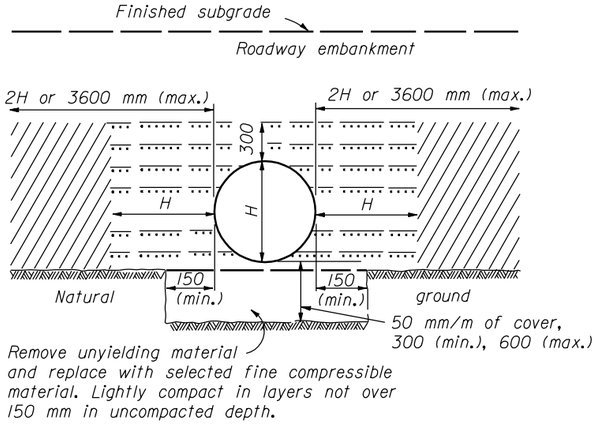
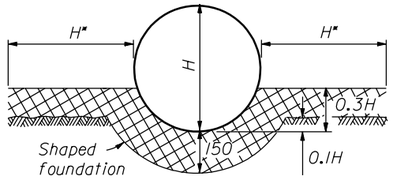
STATE	PROJECT	SHEET NUMBER



ABOVE NATURAL GROUND

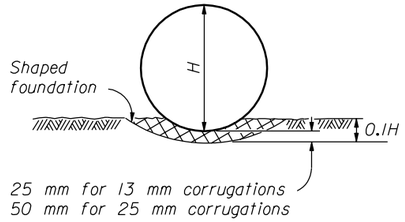


ON UNYIELDING MATERIAL



*Reduce to 450 mm for trench excavations.

CLASS B BEDDING



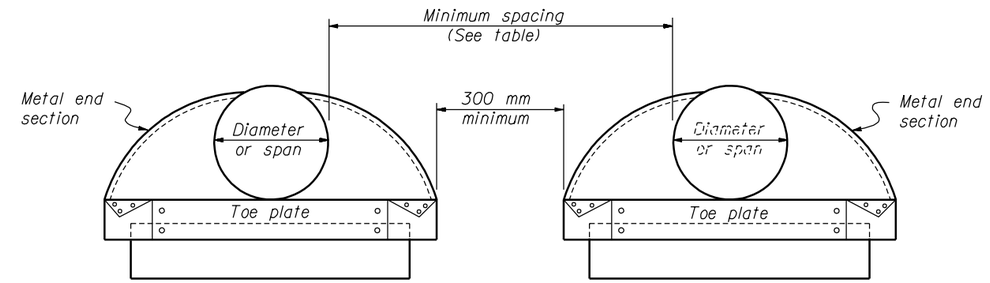
CLASS C BEDDING

NOTE:

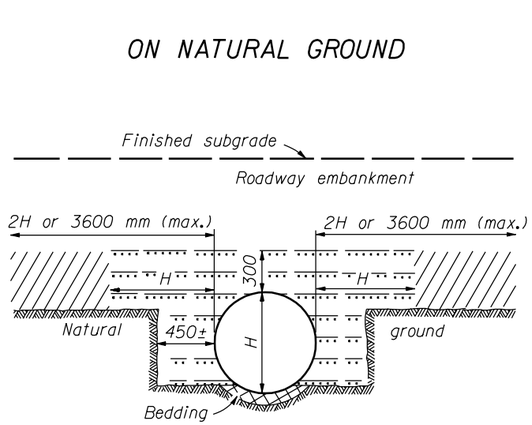
1. Dimensions not labeled are in millimeters.
2. When directed, camber pipe culverts upward from a chord through the inlet and outlet inverts an ordinate amount equal to 1% of the pipe length. Develop camber on a parabolic curve. If the midpoint elevation on the parabolic curve as designed exceeds the elevation of the inlet invert, reduce the amount of camber or increase the pipe culvert gradient.
3. H equals the diameter of all round pipe culverts or the rise dimension of all pipe arch culverts.
4. 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

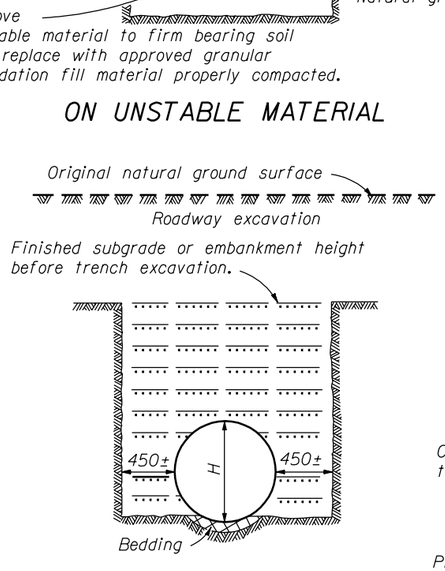
MULTIPLE PIPE INSTALLATION



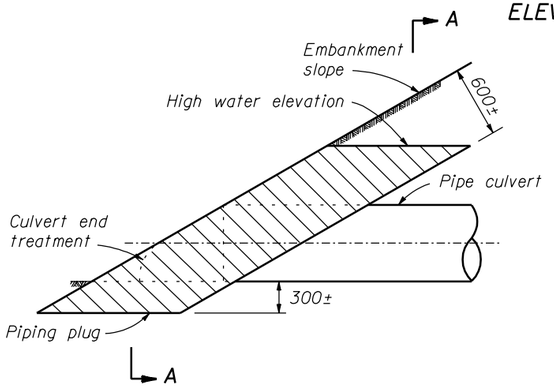
ELEVATION ELEVATION

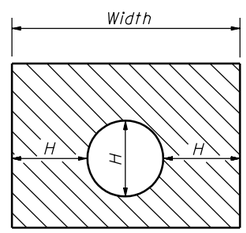


ABOVE AND BELOW NATURAL GROUND



BELOW NATURAL GROUND OR TRENCH EXCAVATION IN EMBANKMENT





SECTION A-A

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.

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 3/1996
REVISED: 12/1998

STANDARD M602-3

17 NOV 2000

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