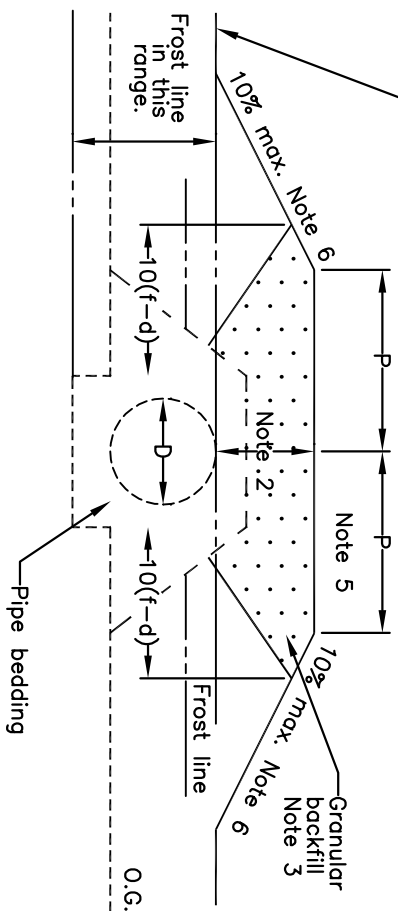


Partially completed grade.

FROST LINE ABOVE TOP OF PIPE

FROST LINE BELOW BOTTOM OF BEDDING



FROST LINE BETWEEN BOTTOM OF BEDDING AND TOP OF PIPE

NOTES:

1. $P = 1.5$ m or 1.5 D whichever is greater.
2. D = Diameter of circular pipe or span of pipe-arch.
3. Depth of bedding material plus backfill over top of pipe must be 600 mm or (DIA. OR SPAN)/6 plus 300 mm whichever is greater.
4. Contaminated material to be removed and replaced.
5. This Standard to be used in conjunction with backfills for culverts.
6. When protection is higher than subgrade, it is to be removed to subgrade level before placing granular base.
7. When protection is used by public vehicular traffic, then maximum slope shall be 5%.

LEGEND:

"d" Denotes depth of granular (roadbed)
"f" Denotes depth of frost penetration



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Services gouvernementaux
Canada
Services d'architecture
et de génie pour
Parcs Canada

Canada

CULVERTS: PROTECTION AGAINST HEAVY CONSTRUCTION EQUIPMENT

TITLE/TITRE
DRAWN BY/DESSINE PAR
VT

DATE
APRIL/96

SCALE/ECHELLE
NOT TO SCALE

CHECKED BY/VERIFIE PAR
BS

REFERENCE No./No. DE REFERENCE

1303