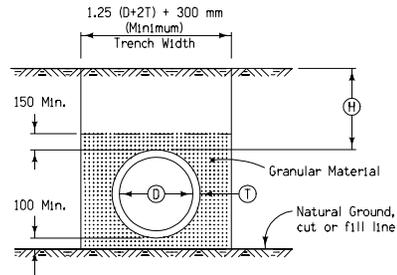
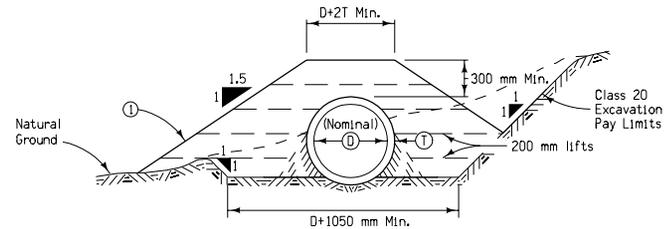
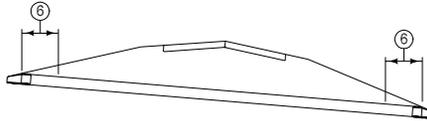


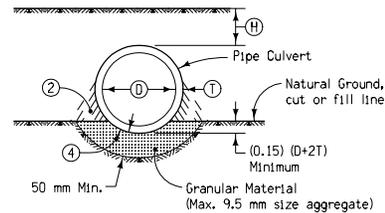
NORMAL CONDITION



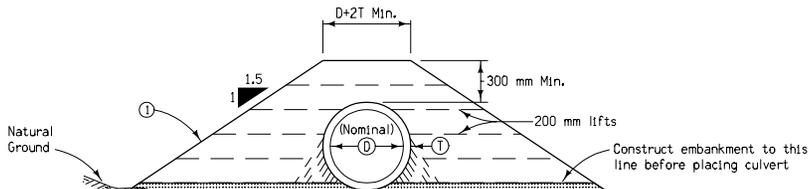
CLASS 'A' BEDDING
(Trench Installation)



CUT CONDITION

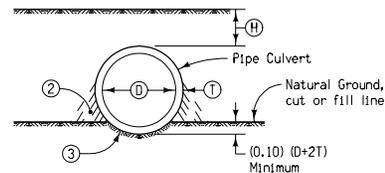


CLASS 'B' BEDDING



FILL CONDITION

BACKFILLING OF ROADWAY PIPE CULVERTS



CLASS 'C' BEDDING

Where a corrugated metal pipe culvert requiring elongation is to be installed, such elongation is to be accomplished by means approved by the Engineer. Elongation may be developed either as part of shop fabrication or field installation.

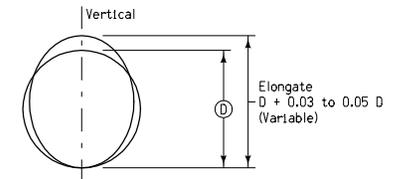
Minimum and maximum allowable cover for pipe culverts shall be as shown on the appropriate Standard Road Plans for the particular kind of culvert, as follows:

- RF-31 Depth of Cover Tables for Concrete Pipe
- RF-32 Depth of Cover Tables for Corrugated Pipe
- RF-33 Depth of Cover Tables for Corrugated Pipe

Minimum and maximum allowable cover for polyethylene pipe culverts shall be 0.6 meters and 4.5 meters, respectively.

Tabulation: 104-3

- ① The backfill adjacent to and above the pipe culvert may be placed in conjunction with normal embankment construction. The embankment within the limits shown shall be thoroughly tamped.
- ② Extra care shall be taken to ensure complete and satisfactory tamping of backfill material in the area immediately adjacent to the lower portion of pipe.
- ③ The excavation below groundline shall be carefully made with a template or shaped by other means and checked with a template conforming to the actual dimension and shape of the pipe.
- ④ The granular material shall be carefully shaped with a template conforming to the shape of the pipe.
- ⑤ 50 millimeter minimum required for metal pipes.
100 millimeter minimum required for polyethylene pipes.
- ⑥ For Class 'A' Bedding, place 1.0 meter to 1.5 meters of cohesive soil plug at the inlet and outlet, around the culvert, to prevent seepage and erosion, respectively.



ELONGATED PIPE

All dimensions given in millimeters unless noted.

METRIC VERSION		
	STANDARD ROAD PLAN RF-30A	
	REVISION: Add Class 'A' Bedding.	REVISION NO. 5
	APPROVED BY: <i>William J. Sten</i> DESIGN METHODS ENGINEER	REVISION DATE 10-18-05
PIPE CULVERT INSTALLATION DETAILS (BEDDING AND BACKFILL)		