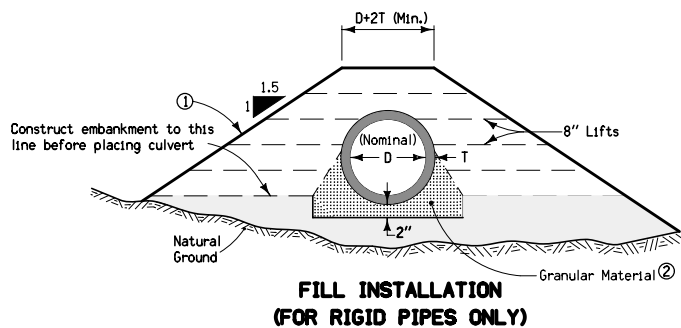
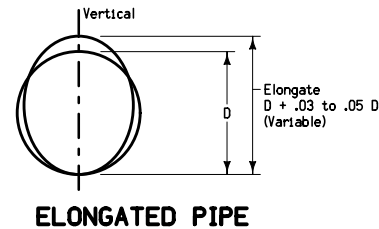
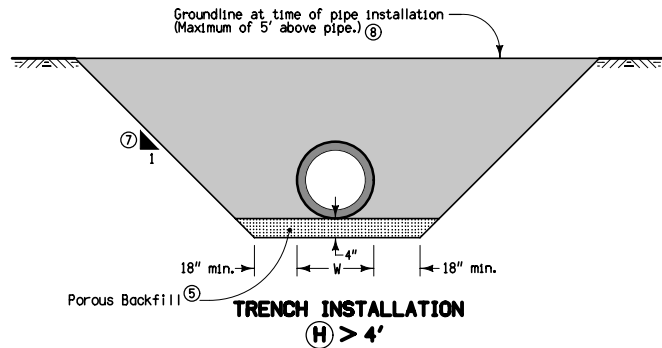


Where a corrugated metal pipe culvert requiring elongation is to be installed, such elongation shall be accomplished by means approved by the Engineer. Elongation may be developed either as part of shop fabrication or field installation.

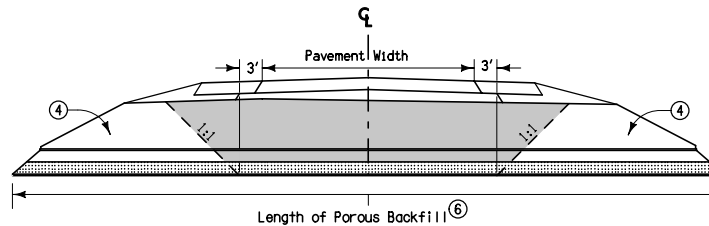
Minimum and maximum allowable cover (H) for pipe culverts shall be as shown on the appropriate Standard Road Plans for the particular kind of culvert, as follows:

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

- 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 For pipes backfilled with granular material, place a cohesive soil plug at the inlet and outlet, around the culvert to prevent seepage and erosion.
- ⑤ For Rigid Pipes, 2" Granular Backfill may be used in place of the 4" Porous Backfill bedding.
- ⑥ Extend Porous Backfill through the soil plugs when used for bedding.
- ⑦ Quantity calculations are based upon a 1:1 slope and minimum trench dimension. Actual slope and size of trench may vary based upon contractor's operations.
- ⑧ When existing ground exceeds 5' depth over pipe, flooded backfill is not required more than 5' above the pipe.



CLASS 'B' BEDDING & BACKFILL ④



Contract Items:

Flowable Mortar
 Flooded Backfill
 Excavation, Class 20

Tabulation:104-3

 Iowa Department of Transportation	REVISION 10 04-21-09
	RF-30A
	SHEET 1 of 1
<small>REVISIONS: Allow the use of Class B bedding for all pipe. Combined Class A and B bedding Added Porous backfill and eliminated subdrains for Class B bedding.</small>	
<i>Deanna Mailford</i> <small>APPROVED BY DESIGN METHODS ENGINEER</small>	

CULVERT
(BEDDING AND BACKFILL)