

Ensure that at least three quarters of the pipe length is fully supported. After the pipeline has been tested and approved by the Engineer, fill the trench carefully in layers not exceeding 150mm to the required levels as shown on the drawings.

Backfill and compact the trench by hand to a level 300mm minimum above the crown of the pipe, with selected excavated material free from large stones etc., in layers not exceeding 150mm. Carefully compact the filling by a method approved by the Engineer. Avoid disturbing the pipes or the joints. Carry out the backfilling of the pipe trench in accordance with Section 02225 - Trenching, after completion of pipeline tests.

2. In Trench - Other Beds and in Heading:
  - a. Lay a concrete blinding layer Class "C" over the full width of the bottom of the excavation in headings and where concrete bed, bed and surround or protection to pipelines is specified or ordered by the Engineer. See specification of this section for concreting pipelines. In headings, lay concrete blinding the full length between working shafts before pipe laying is started. Thoroughly wash down concrete blinding layer after it has been allowed to set and before pipe laying is started.
  - b. The length of pipeline laid in any one operation before concreting the pipeline or filling the heading shall be that which in the opinion of the Engineer permits accurate laying of the pipeline and proper compaction of the fill.
  - c. For pipes up to 300mm nominal internal diameter, pour a layer of concrete Class 'C' of minimum water content on the blinding. Ensure that the depth of this layer is not exceeding the clearance between the blinding and the pipe barrel by more than 20mm. Work the pipe into this concrete to true lines and gradient before it sets. Leave sufficient space to enable joints to be made tested and inspected. Ensure that the barrel of the pipe is fully supported for at least two thirds of the pipe length.
  - d. For pipes over 300mm and up to 1200mm nominal internal diameter, firmly support the pipes on precast concrete cradles and separate them from the cradles by 25mm thick saturated softwood packing. For pipes over 1200mm nominal internal diameter, firmly support the pipes on precast