

GRAVITY WALLS DRAINAGE AND WATER CONTROL

Figure illustrates some common methods of providing drainage behind a gravity retaining wall (see Teng 1962, pp. 316-317). These include using

- a. Weep-holes in pervious backfill
- b. Open-joint clay or perforated metal pipes in pervious backfill
- c. Sub-vertical strips of filter material midway between weep-holes, linked to a horizontal strip of filter material, in semi-pervious backfill
- d. Porous blocks or blanket of pervious material against the back of the wall in fine-grained backfill
- e. Blanket of pervious material extending into fill in fine-grained backfill
- f. Multiple blankets of pervious material in expansive clay

