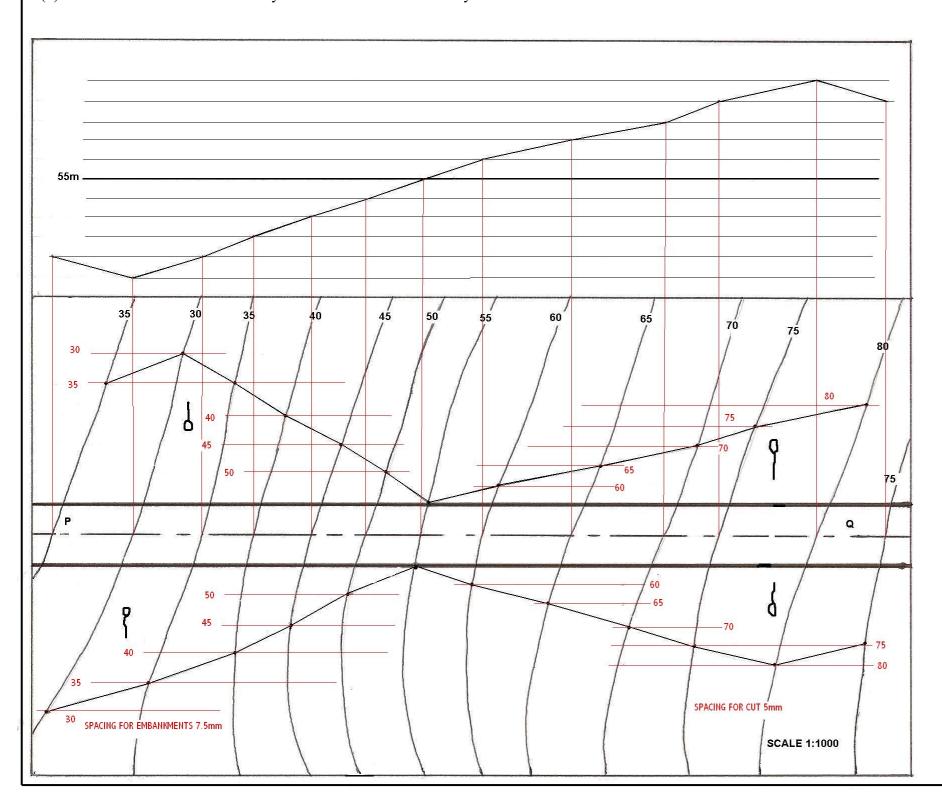
EARTHWORKS 1

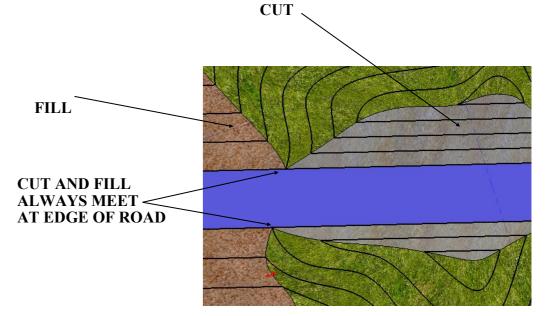
The drawing below shows ground contours at five-metre vertical intervals. PQ is the line of a proposed roadway having the following specifications.

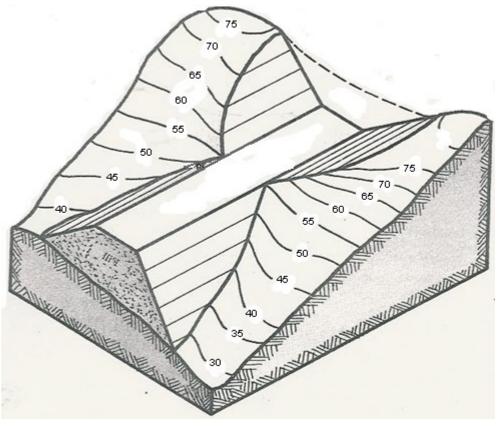
- (i) formation width as given;
- (ii) formation level at P is 55m;
- (iii) P to Q is level;
- (iv) side slopes for cuttings 1 in 1;
- (v) side slopes for embankments 1 in 1.5.
- (a) On the drawing supplied draw a vertical section (profile) on the line PQ.
- (b) Show the earthworks necessary to accommodate the roadway.

Cuttings:- Earth removed to in order obtain a required slope or elevation

Embankments:- Earth added to existing contours in order to obtain a required slope or elevation







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