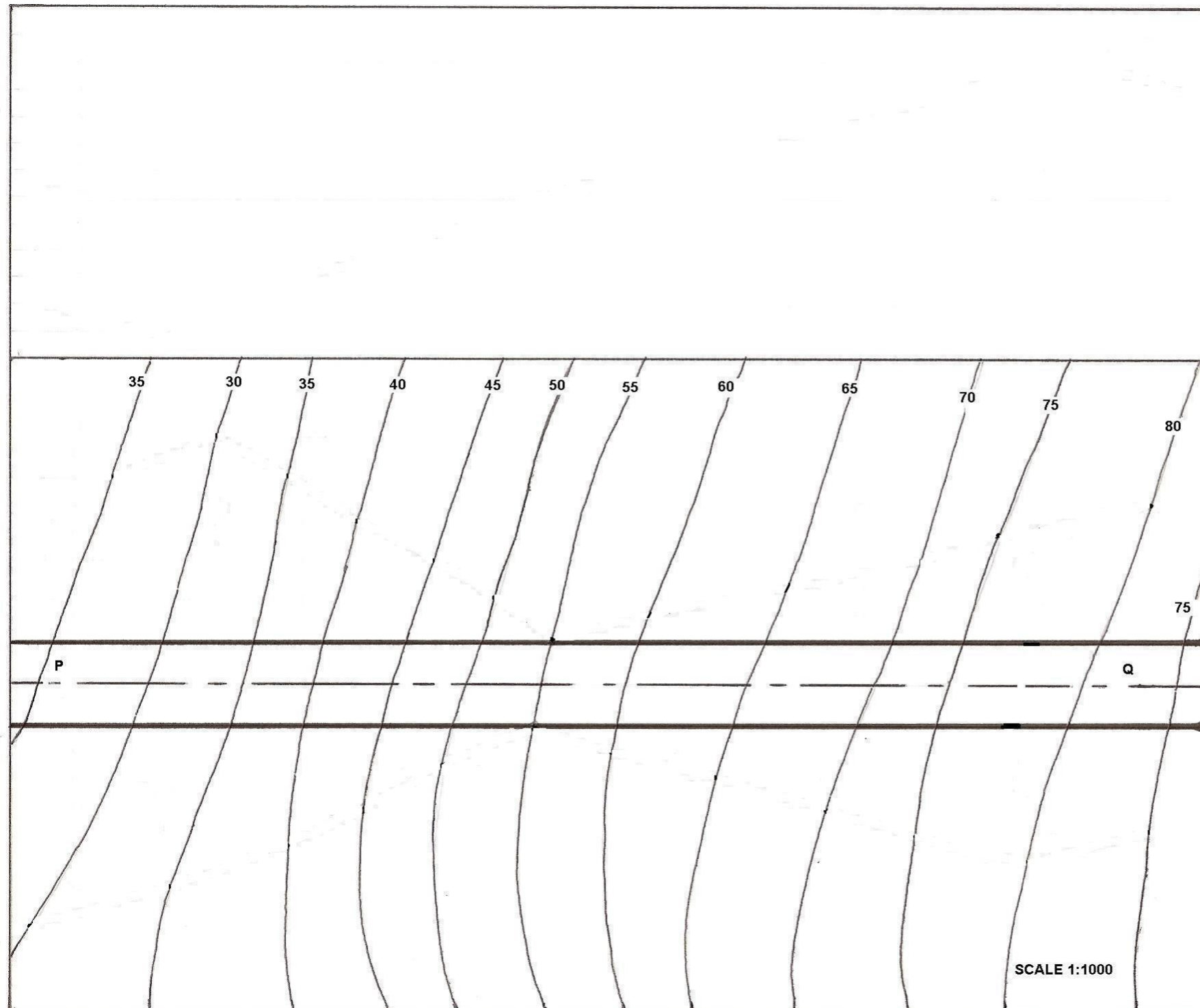


EARTHWORKS 1

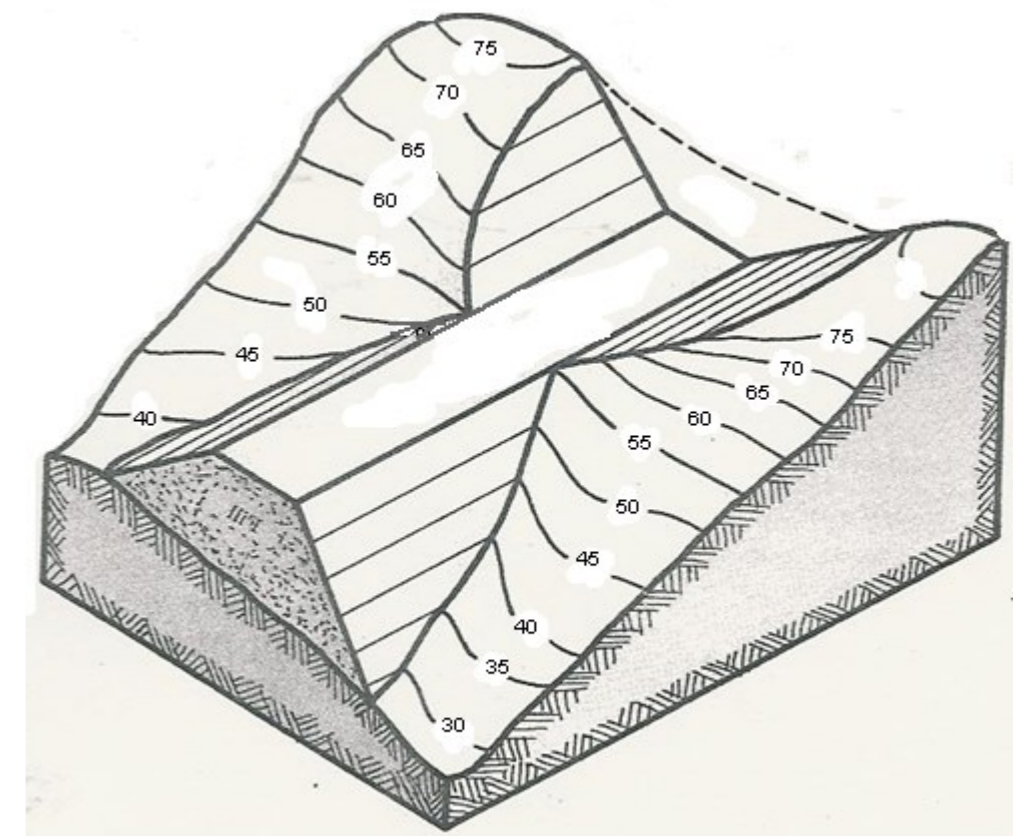
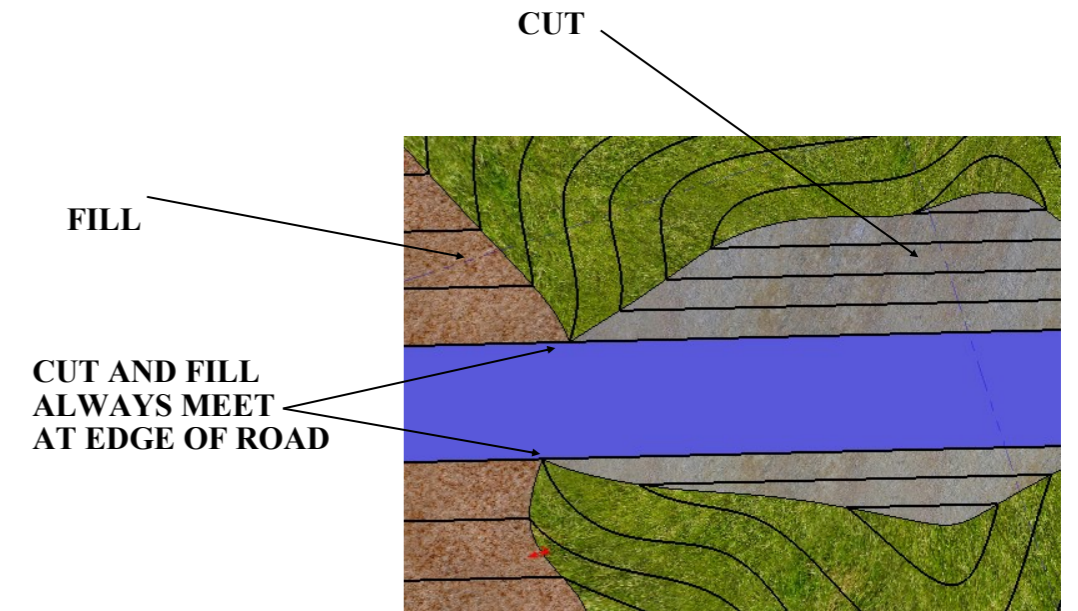
The drawing below shows ground contours at five-metre vertical intervals. PQ is the line of a proposed roadway having the following specifications.

- (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 in order obtain a required slope or elevation

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



TECHNOLOGY
SUBJECTS
SUPPORT
SERVICE

DESIGN & COMMUNICATION GRAPHICS

GEOLOGIC GEOMETRY 4

NAME: _____ DATE: _____