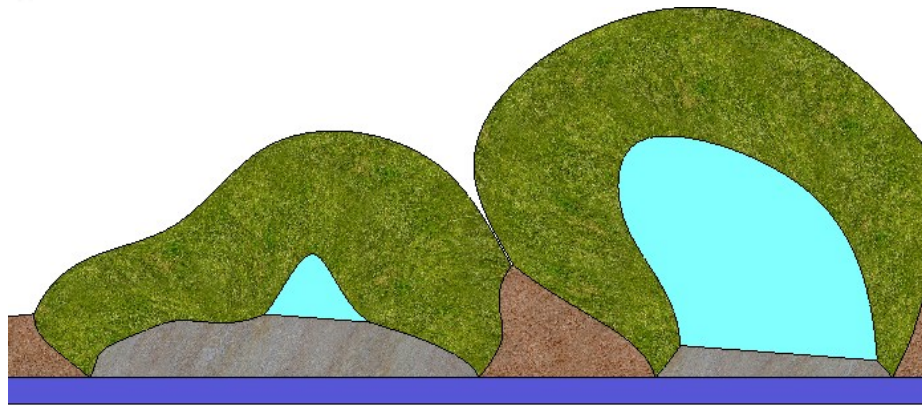
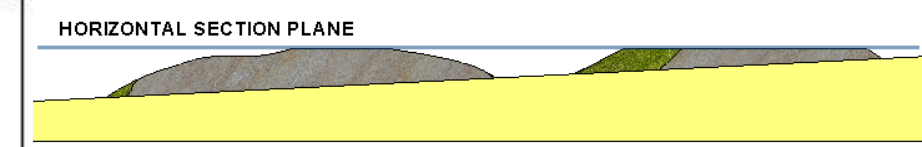
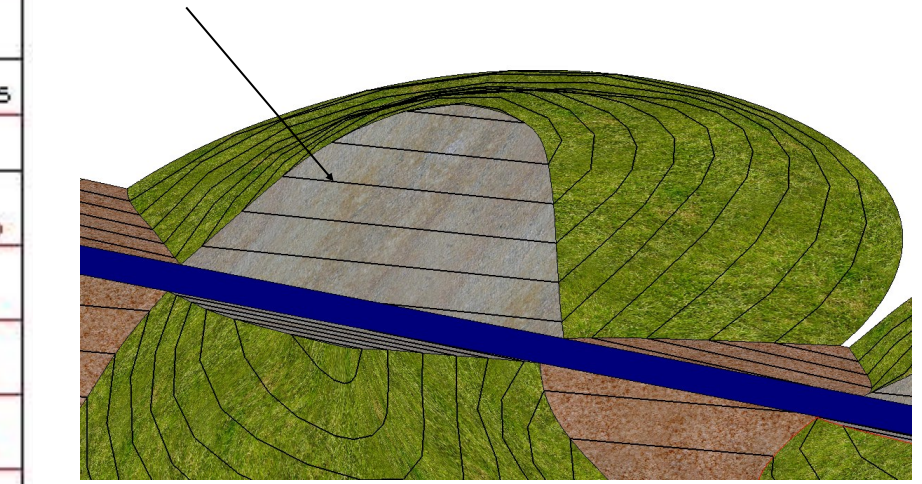


ALL HORIZONTAL LINES (CONTOURS) ON THE PLANE ARE PARALLEL TO HORIZONTAL TRACE OF PLANE

TANGENT PLANE TO CONE WITH SIDE IN THE RATIO 1:2



EARTHWORKS 5

The accompanying drawing shows ground contours at five-metre intervals. ABC is the centreline of a proposed roadway having the following specifications.

- (i) formation width as shown.
- (ii) formation level at A is 105m
- (iii) A to B is level. B to C is 1:12 falling
- (iv) side slopes for cuttings 1 in 1
- (v) side slopes for embankments 1 in 2.

On the drawing show the earthworks necessary to accommodate the roadway.