

SECTION 8

SLOPING FEATURES

8 SLOPING FEATURES

8.1 *SLOPES AND BATTERS*

These shall be expressed as the horizontal distance relative to the vertical distance, one of these dimensions being given as unity; with the horizontal distance being given first eg

- a) Slopes
 - 2 TO 1 - embankments
 - 1.5 TO 1 - embankments
 - 1.25 TO 1 - rock fill
 - 1 TO 1 - stone pitching
- b) Batters
 - 1 TO 4 - rock cut
- c) Piles
 - 1 IN 8 - raked piles

A small right-angle triangle showing the horizontal/vertical ratio may also be drawn and dimensioned to indicate batters and the rake of piles.

8.2 *GRADES, CROSSFALLS AND SUPERELEVATIONS*

Grades, crossfalls and superelevations of roads, bridges, tunnels and similar structures shall be expressed as a percentage. A slope of 6% indicates a displacement of six units vertically in 100 units horizontally.

Where a fall or grade is given for a surface, such as 3%, an arrow shall indicate the downhill direction.