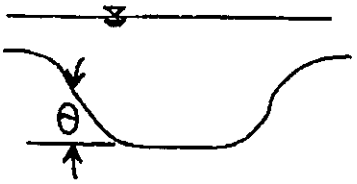
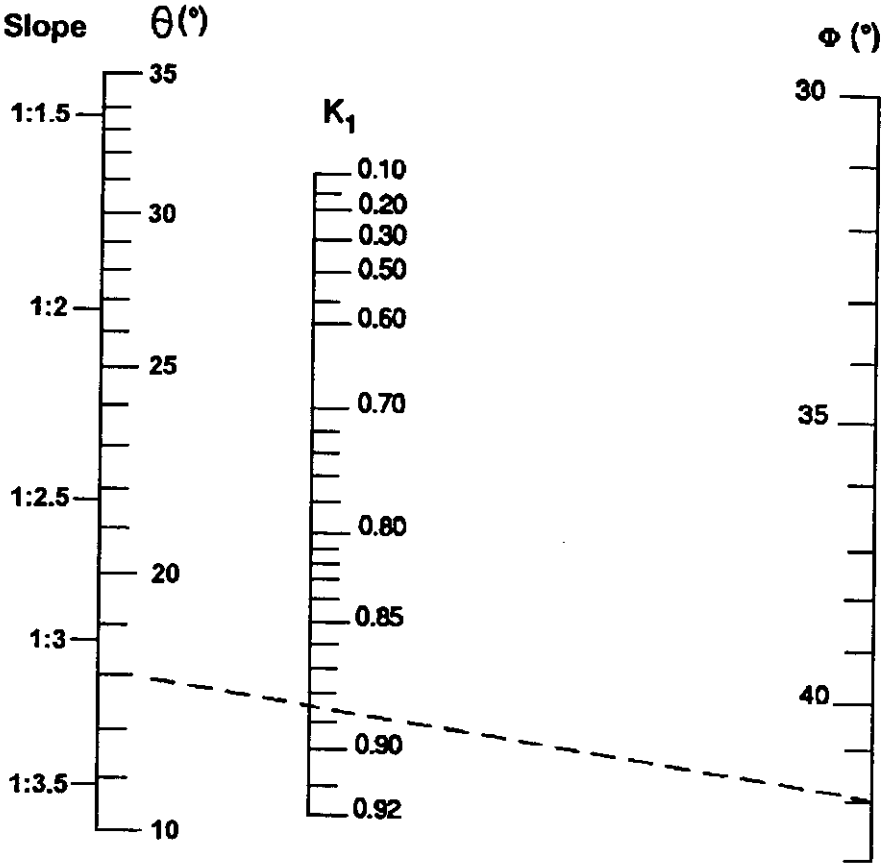


$$K_1 = \left[1 - \frac{\sin^2\theta}{\sin^2\Phi}\right]^{0.5}$$

θ = Bank angle with horizontal

Φ = Material angle of repose (See chart 4)



Example

Given:	Find:	Solution:
θ = 16°	K_1	Φ = 42°
Very Angular		K_1 = 0.885
D_{50} = 457 mm		

BANK ANGLE CORRECTION FACTOR (K_1) NOMOGRAPH
Figure 38-6B