

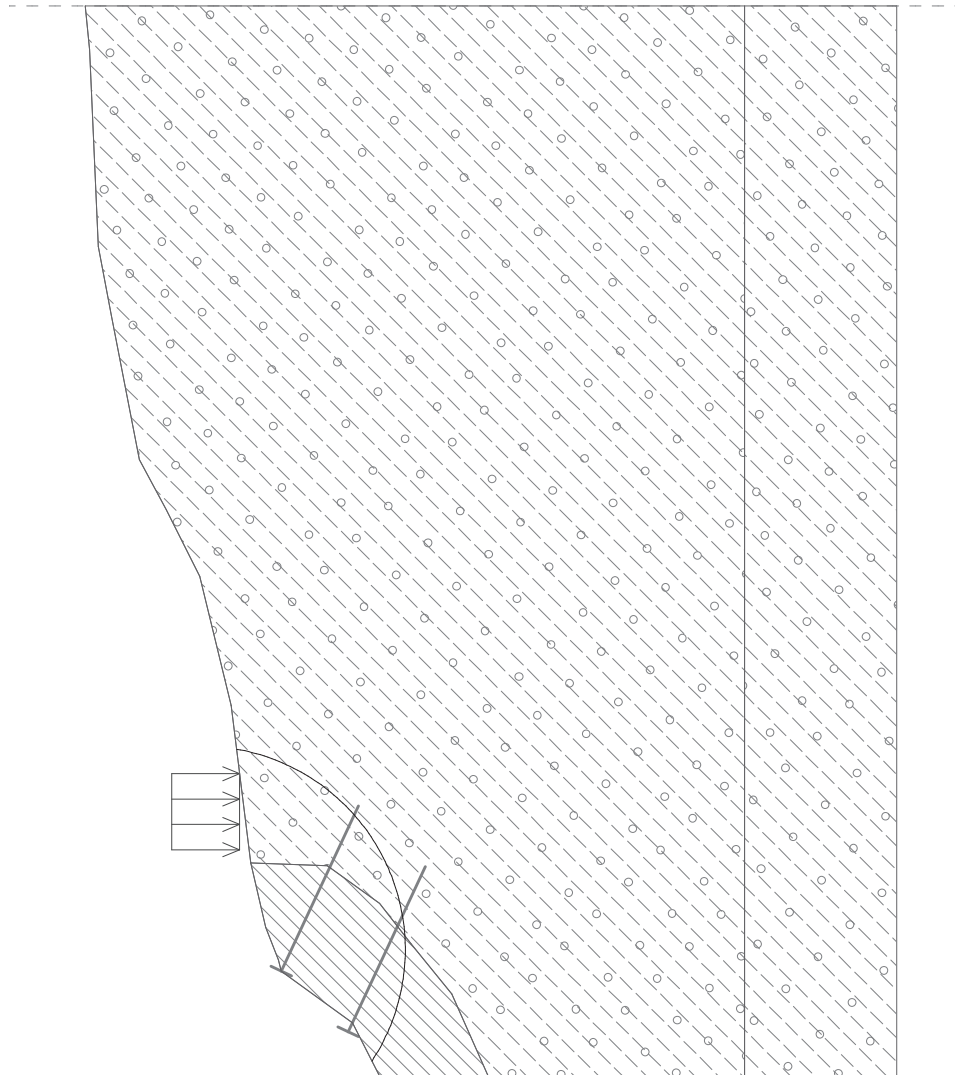
Analysis of the slip surface without optimization.

Slope stability verification (Bishop)
 Sum of active forces : $F_a = 2719.26 \text{ kN/m}$
 Sum of passive forces : $F_p = 1090.72 \text{ kN/m}$
 Sliding moment : $M_a = 18219.05 \text{ kNm/m}$
 Resisting moment : $M_p = 11647.01 \text{ kNm/m}$

Factor of safety = $0.64 < 1.50$
Slope stability NOT ACCEPTABLE

Name : Analysis

Stage - analysis : 4 - 1



Analysis of the slip surface without optimization.

Slope stability verification (Bishop)
 Sum of active forces : $F_a = 2719.26 \text{ kN/m}$
 Sum of passive forces : $F_p = 1224.24 \text{ kN/m}$
 Sliding moment : $M_a = 18219.05 \text{ kNm/m}$
 Resisting moment : $M_p = 28673.13 \text{ kNm/m}$

Factor of safety = 1.57 > 1.50
Slope stability ACCEPTABLE