BAKHTI Software Ltd
Civil engineering software development
Website: https://www.bakhtisoftware.com
Email: bakhti@bakhtisoftware.com/ support@bakhtisoftware.com

Project:

Client:
Location:
Date: 2026-09-28

Bearing capacity: Standard Penetration Test

Meyerhof (1956) method

Groundwater(m)	Ri	B (m)	D (m)	N (SPT)
15,00	/	1,50	2,00	17

Bearing pressure for a maximum settlement of 25 mm or 1-inch (kPa)	260,467

$$q_a = 12\,N\,K_d \qquad B \le 1.2\ \text{m}$$

$$q_a = 8N\left(\frac{B+0.3}{B}\right)^2 K_d \qquad B > 1.2\ \text{m}$$

$$K_d = (1+0.33\frac{D}{B}) \le 1.33$$

