

Slide Analysis Information

Deponija Padna

Project Summary

File Name: Padna_P1-19_brez nasipa_desni.slim
 Slide Modeler Version: 6.005
 Project Title: Deponija Padna
 Analysis: Analiza stabilnosti profila P1-19
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 Company: GECKO d.o.o.

Design Standard



Selected Type: Eurocode 7 - Design Approach 3

Type	Partial Factor
Permanent Actions: Unfavourable	1
Permanent Actions: Favourable	1
Variable Actions: Unfavourable	1.3
Variable Actions: Favourable	0
Effective cohesion	1.25
Coefficient of shearing resistance	1.25
Undrained strength	1.4
Weight density	1
Shear strength (other models)	1.25
Earth resistance	1
Tensile and plate strength	1
Shear strength	1
Compressive strength	1
Bond strength	1
Seismic Coefficient	1

Groundwater Analysis

Groundwater Method: Water Surfaces
 Pore Fluid Unit Weight: 9.81 kN/m³
 Advanced Groundwater Method: None

Material Properties

Property	GM	Fliš
Color		
Strength Type	Mohr-Coulomb	Generalised Hoek-Brown

Unit Weight [kN/m ³]	19	23
Cohesion [kPa]	0	
Friction Angle [deg]	35	
Unconfined Compressive Strength (intact) [kPa]		3000
nmb		0.431795
ns		0.000172232
na		0.538237
Water Surface	Water Table	Water Table
Hu Value	1	0.8

Global Minimums

Method: bishop simplified

FS: 1.340740
 Center: 398125.050, 38351.946
 Radius: 12.774
 Left Slip Surface Endpoint: 398125.960, 38339.205
 Right Slip Surface Endpoint: 398133.564, 38342.424
 Resisting Moment=650.845 kN-m
 Driving Moment=485.436 kN-m