

Project details for design of embankments with reinforced soil foundations on poor ground using Secugrid® basal reinforcement



Project Name: _____

Company: _____

Contact Person: _____

Address: _____

Phone: _____

Fax: _____

E-Mail: _____

Date sent to NAUE: _____

Geometry (worst case scenario):

piled embankment

yes no

pile spacing:

type of piled foundation:

- triangular grid
 rectangular grid
 square grid

- end bearing pile
 friction pile

Design according to:

- BS 8006-1:2010
 EBGE0 2010
 CUR 226

pile:

diameter b = _____ [m]
 pile cap diameter a = _____ [m]
 center distance s = _____ [m]

pile cap:

- round
 rectangular

surcharge:

live loads q = _____ [kN/m²]
 permanent loads p = _____ [kN/m²]

soil characteristics:

embankment fill material: = _____
 internal friction angle φ' = _____ [°]
 unit weight γ = _____ [kN/m³]
 cohesion c = _____ [kN/m²]
 fill material for load transfer platform:
 internal friction angle φ' = _____ [°]
 unit weight γ = _____ [kN/m³]
 cohesion c = _____ [kN/m²]

embankment geometry:

slope inclination 1:n = 1: _____
 height H = _____ [m]

ground water level below existing ground level = _____ [m]

Subgrade layers:

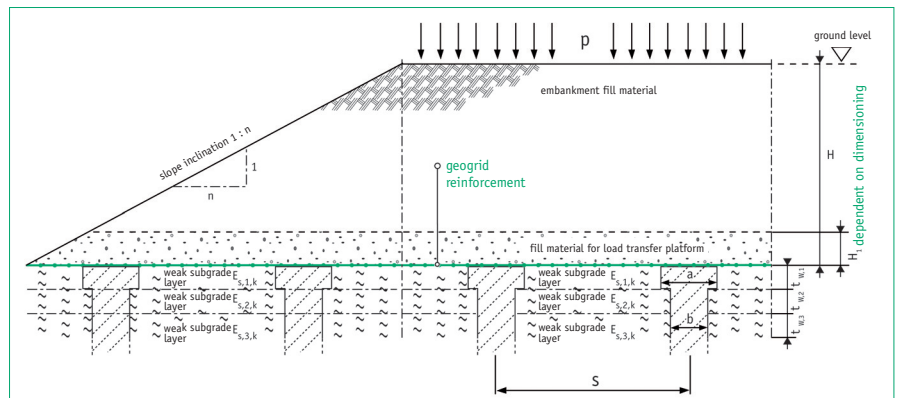
	layer 1	layer 2	layer 3
internal friction angle φ' =	_____ [°]	_____ [°]	_____ [°]
unit weight γ =	_____ [kN/m ³]	_____ [kN/m ³]	_____ [kN/m ³]
cohesion/undrained shear strength c/c_u =	_____ [kN/m ²]	_____ [kN/m ²]	_____ [kN/m ²]
Young's Modulus E_s =	_____ [MN/m ²]	_____ [MN/m ²]	_____ [MN/m ²]
layer thickness t_w =	_____ [m]	_____ [m]	_____ [m]

Comments:

Appendix: _____ [page(s)]

please call me

Results/design until: _____



NAUE GmbH & Co. KG
 Gewerbestrasse 2
 32339 Espelkamp-Fiestel
 Germany

Phone +49 5743 41-0
 Fax +49 5743 41-240
 info@naue.com
 www.naue.com



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