Project Request Form (PRF)

Earth Retention System

Project: _____

Distributor: _____

Project Name: _____

City: _____

Estimated SoilWeb® area (H x L) : _____m x _____m = _____m²

Tender: Yes ☐ No ☐

Projected Bid Date: _____

Planned construction Startup: _____

Known competitors: _____

Describe problem to be solved by the SoilWeb® system:
(Please provide a sketch or cross section!)

_____

_____

_____

Alternative/ Conventional way of construction (without SoilWeb®):

_____

_____

SoilWeb® Construction Design Method Standards:

- National Annex - **Eurocode 7 DIN EN 1997-1/NA:2010-12:** Geotechnical design - Part 1: General rules
- German Standard **DIN 4084**: Soil - Calculation of embankment failure and overall stability of retaining structures
- BRITISH STANDARD **BS 8006-1: 2010**: Code of practice for strengthened/reinforced soils and other fills
- **EBGEO -** Recommendations for Design and Analysis of Earth Structures using Geosynthetic Reinforcements, German Association for Geotechnical Engineering
- **FGSV** Bulletin on supporting structures (FGSV 555)

Disclaimer/ Limitation of use

The accuracy of preliminary designs / evaluations based on PRFs depends on the quality of the provided data. Specific values / information which cannot be provided reduce the quality and reliability of preliminary designs since comparable values have to be assumed. Evaluations / Preliminary designs are copyrighted and specifically based upon the unique characteristics of Soiltec's SoilWeb® products, the general European Geotechnical Guidelines and our research work. A final design shall be prepared by a licensed professional engineer based on actual field conditions or can be ordered separately with us.

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SoilWeb®
Innovative Geocell Solutions. Since 1999.

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Design information

What is the wall height (H)? Minimum _____ m Maximum _____ m

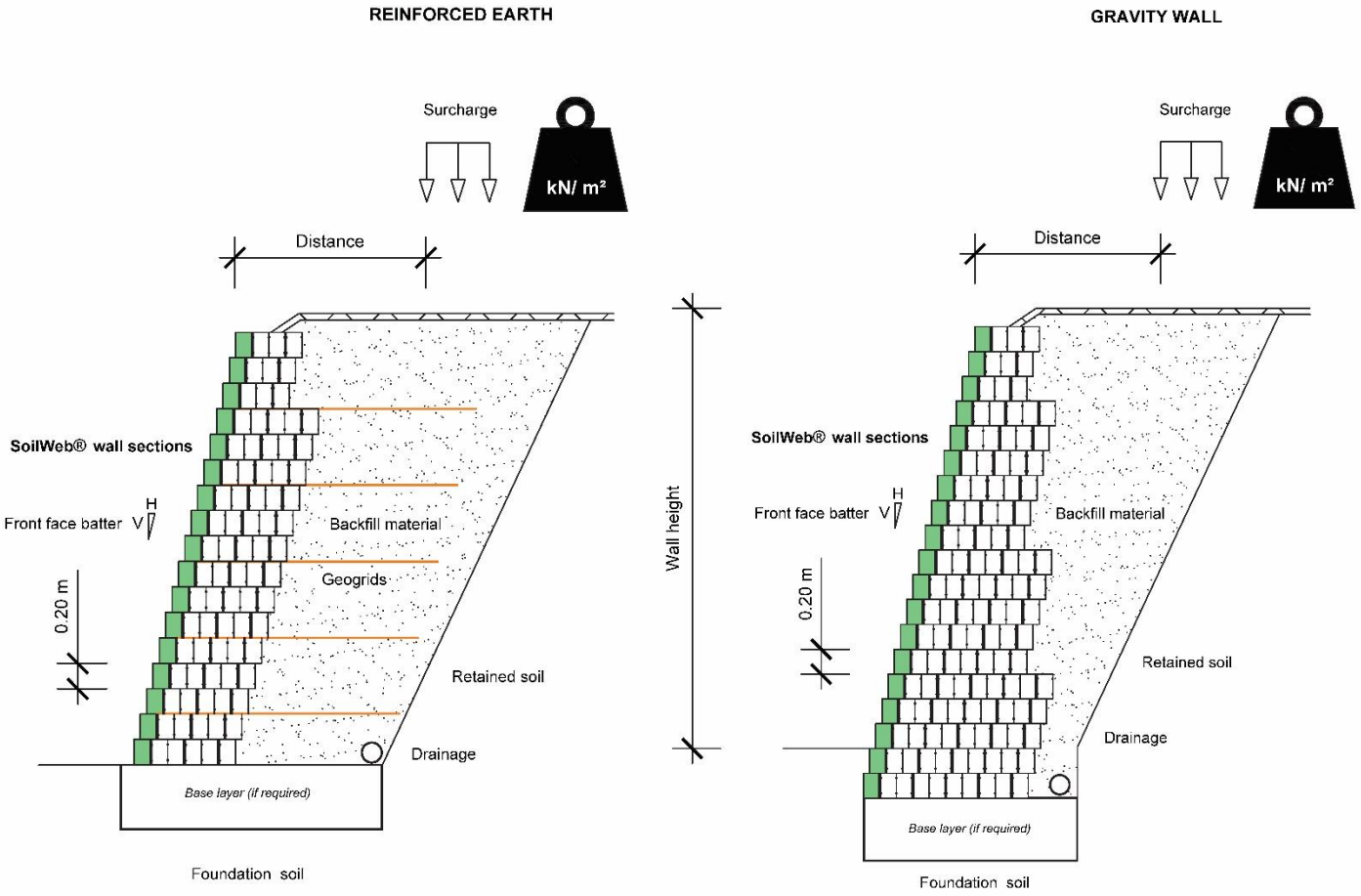
What is the length of the wall (L)? _____ m

What wall geometry is desired?

Single Height without terraces ☐ Terraced (for vegetation) _____ number of levels ☐

What is inclination of the front face? _____ degrees from vertical or _____ (H:V)

What wall type desired? Reinforced Wall ☐ Gravity Wall ☐



What is the surcharge on top of the wall? _____ kN/ m²

Distance from front face batter to surcharge _____ m

What are the backslope details, if any?

Angle of backslope _____ H: V Length of backslope _____ m

What is the maximum footprint for the construction (building line etc.)? _____ m

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Retained soil description

Kind of soil (description): _____

Specific weight (kN/ m³): _____

Angle of internal friction (°): _____

Cohesion (kN/ m²): _____

Hydraulic conditions (Ground water seepage): _____

Foundation soil description

Load bearing capacity (MN/ m² or CBR (%)): _____

Hydraulic conditions (Ground water seepage): _____

Filling material description

Kind of filling material (description): _____

Specific weight (kN/ m³): _____

Angle of internal friction (°): _____

Cohesion (kN/ m²): _____

Backfill soil description

Kind of filling material (description): _____

Specific weight (kN/ m³): _____

Angle of internal friction (°): _____

Cohesion (kN/ m²): _____

Logistics information

☐ Cost estimation

☐ Quotation

☐ Preliminary design/Calculation needed by (date): _____

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