

**Earth Retention System****Project:**

Distributor/Customer: _____

Project Name: _____

City: _____

Estimated SoilWeb® area (H x L) : _____ m (ft) x _____ m (ft) = _____ m² (ft²)Tender: Yes ☐ No ☐ **UNITS OF MEASURE:** ☐ Metric ☐ Imperial

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)

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Earth Retention System

Design information

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

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

What wall geometry is desired?

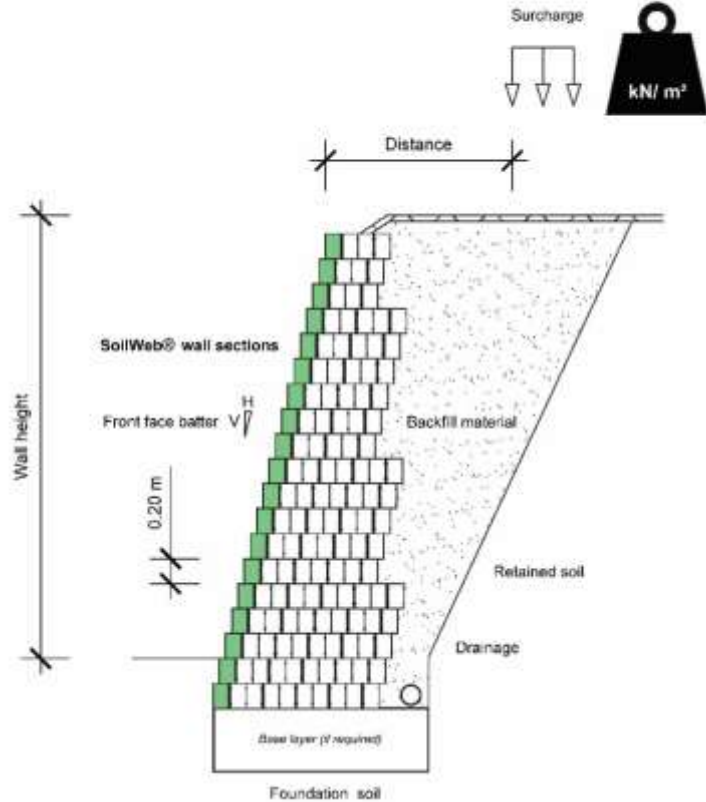
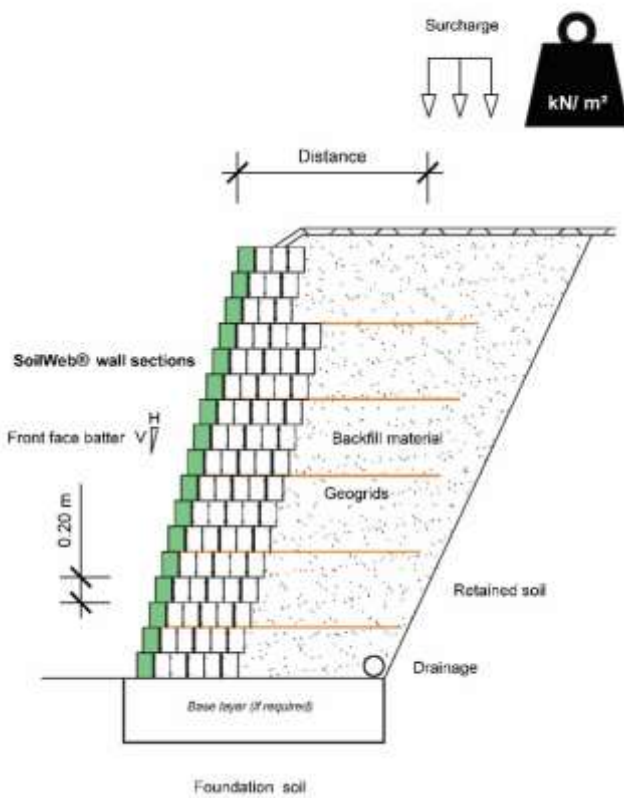
☐ Single Height without terraces ☐ Terraced (for vegetation) _____ number of levels

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

What wall type desired? Reinforced Wall ☐ Gravity Wall ☐

REINFORCED EARTH

GRAVITY WALL



What is the surcharge on top of the wall? _____ kN/ m² (lb/ft²):

Distance from front face batter to surcharge _____ m (ft)

What are the backslope details, if any?

Angle of backslope _____ H: V Length of backslope _____ m (ft)

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

**Retained soil description**

Kind of soil (description): _____

Specific weight kN/ m³ (lb/ft³): _____

Angle of internal friction (°): _____

Cohesion kN/ m² (lb/ft²): _____

Hydraulic conditions (Ground water seepage): _____

Foundation soil descriptionLoad bearing capacity MN/ m² (CBR %): _____

Hydraulic conditions (Ground water seepage): _____

Filling material description

Kind of filling material (description): _____

Specific weight kN/ m³ (lb/ft³): _____

Angle of internal friction (°): _____

Cohesion kN/ m² (lb/ft²): _____**Backfill soil description**

Kind of filling material (description): _____

Specific weight kN/ m³ (lb/ft³): _____

Angle of internal friction (°): _____

Cohesion (kN/ m²): _____**Logistics information**☐ Cost estimation☐ Quotation☐ Preliminary design/Calculation

needed by (date): _____