

Geoweb retaining walls

Everything you need to know about
retaining wall design and engineering
in 4 minutes



Bob Evans

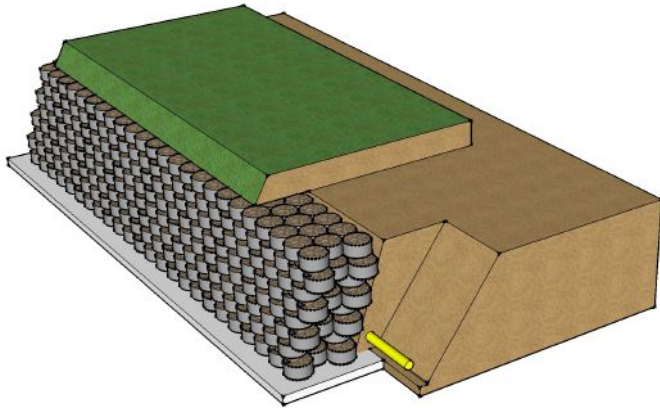


Geoweb wall before seeding

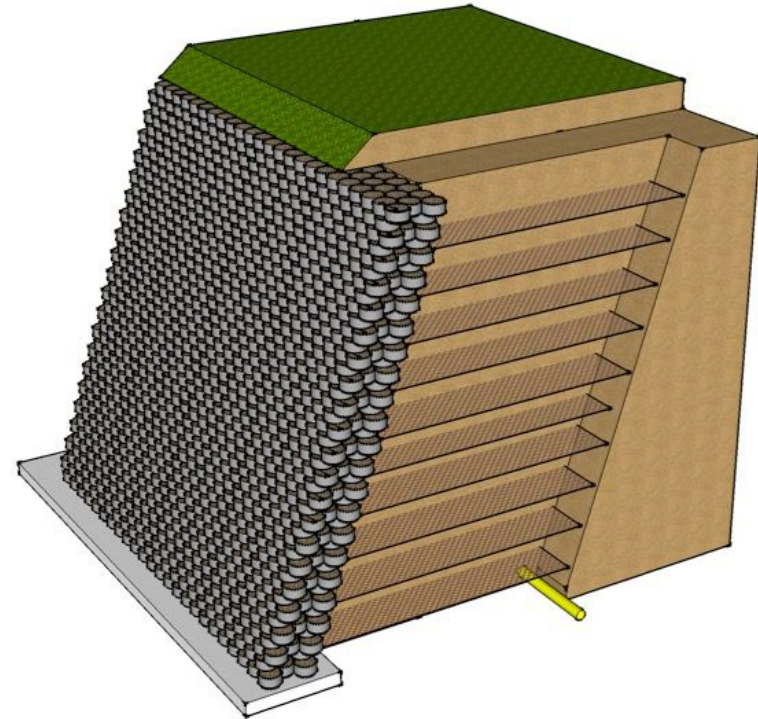


Geoweb wall after seeding

Geoweb introduction

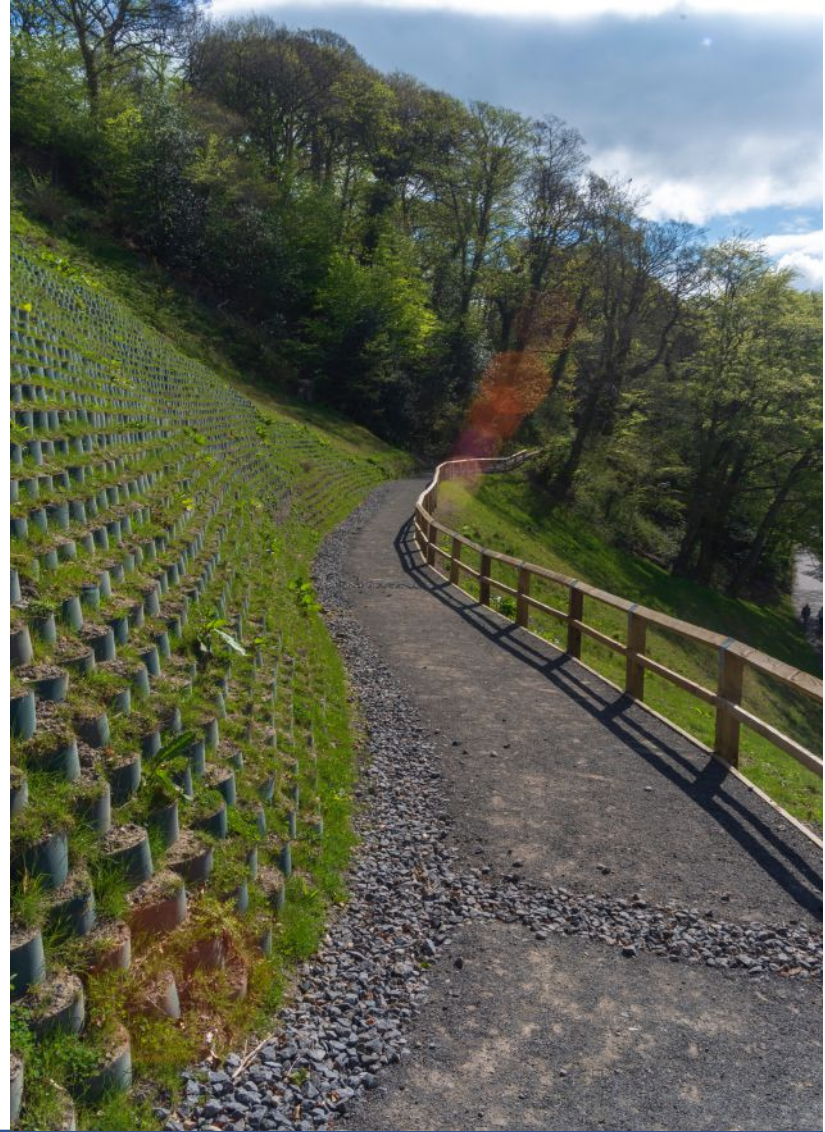


Gravity design

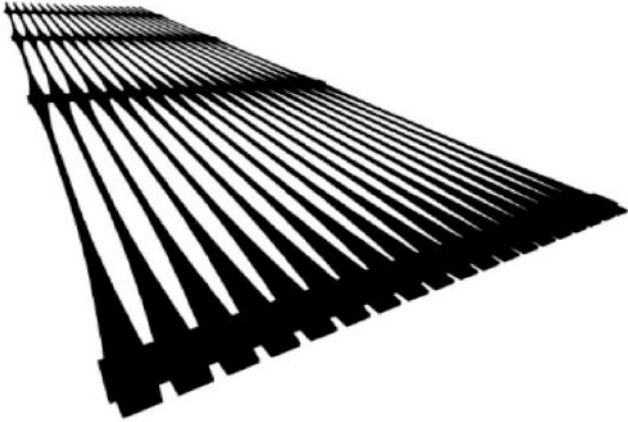


Soil reinforcement design

Geoweb design



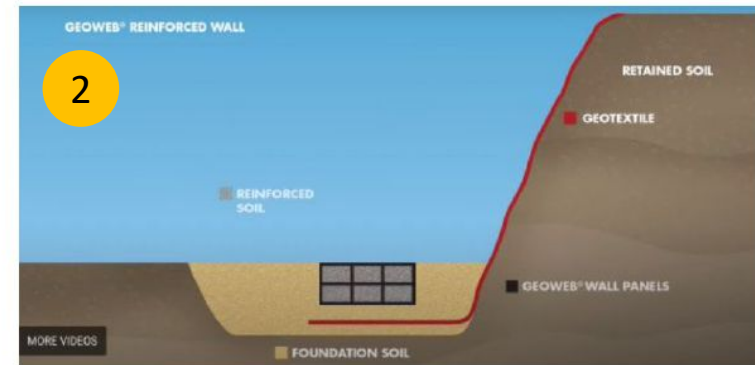
Geoweb project images



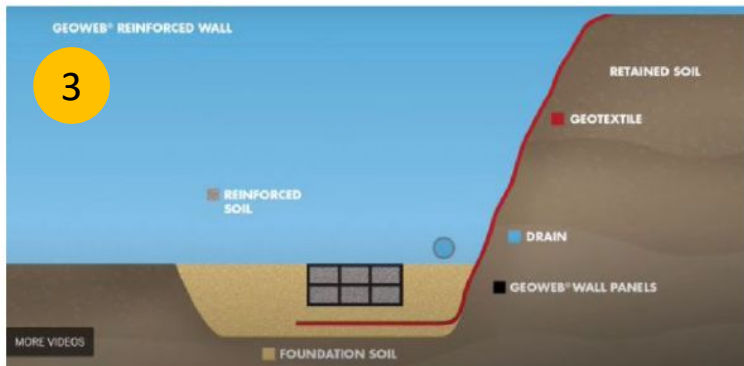
Geoweb construction



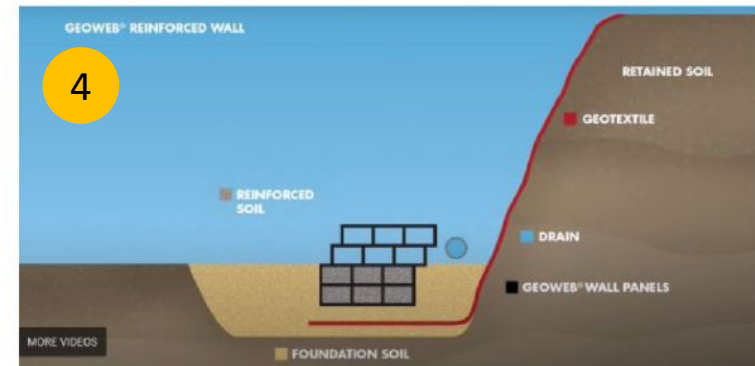
Excavate and lay terram



Lay first layer of Geoweb® and fill



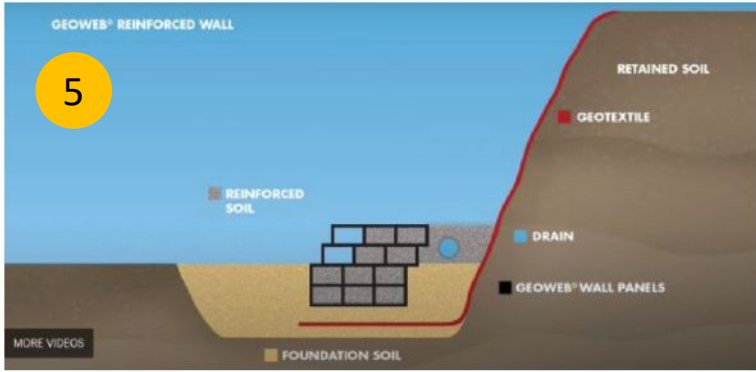
Lay the drain



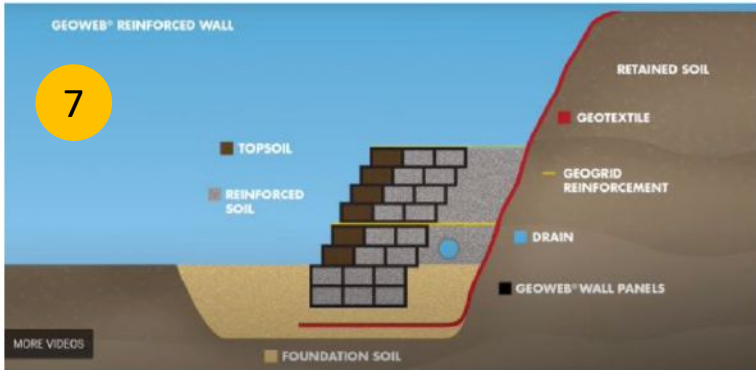
Lay the second section

Geoweb construction process

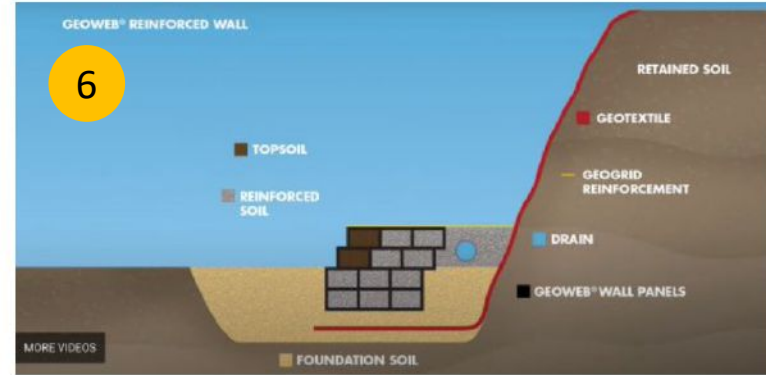
Retaining Wall Solutions



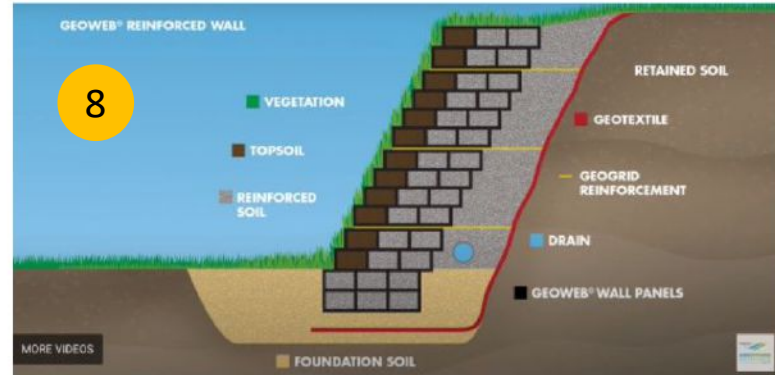
Fill the second section & roll



Repeat the process



Fill the front cells with soil

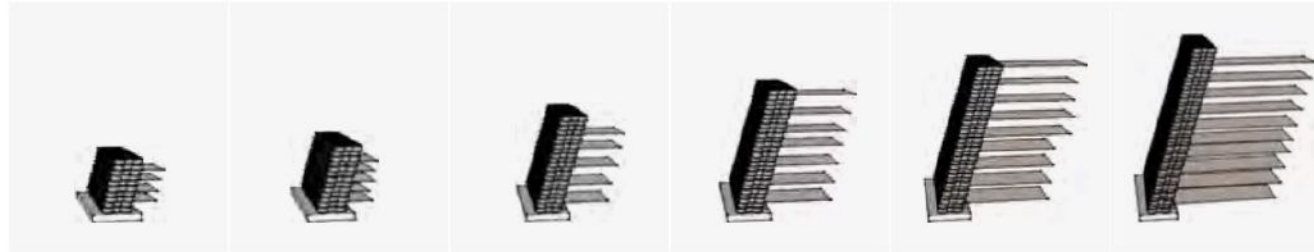


On completion seed the soil

Geoweb construction process

Geoweb® reinforced wall design guide

Height (m)	1.5	2.0	3.0	4.0	5.0	6.0
Geoweb® depth (mm)	900	900	900	900	900	900
Geoweb® length (mm)	1200	1500	2100	2800	3500	4200
Base width (mm)	1500	1500	1500	1500	1500	1500
Base depth (mm)	150	150	150	150	150	150
Surcharge	10kn/m ²	10kn/m ²	10kn/m ²	10kn/m ²	10kn/m ²	10kn/m ²
Factor of safety	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5



Indicative designs based upon a base material with allowable bearing pressure of **>200kPa**.

Retained material is assumed to be well graded, granular backfill with the back of wall drainage or weep holes to relieve hydrostatic pressure.

Design table



Retaining wall design and price guide

Which retaining wall type is the most economical to build? **Download the design guide** to learn more about each retaining wall type and get a price comparison.

[Design price guide](#)
[Ask a question](#)

How much do they cost?

Our simple 3 steps Design process

1 Step 1 - Decide on the type of retaining wall

One of the hardest things to do is to select the right retaining wall type.

Each retaining wall type has pros and cons.

Our support can help you select the right one for your requirements and budget.

2 Step 2 - Design the retaining wall

Our structural engineer is a specialist retaining wall expert. We can turn around retaining wall designs in a matter of days.

You will receive a full retaining wall report, a complete set of calculations, and a sketch showing you the design, including the material specifications.

You will also be protected by our professional indemnity insurance allowing you to sleep at night.

3 Step 3 - Use our supply chain to get the best build price

We have a comprehensive supply chain for the supply only or supply and installation of your retaining wall once it has been designed.

We can prepare material schedules and bills of quantities to give you a budget to work from.

You can save time and money trying to find suitable suppliers and contractors using our service.

Geoweb retaining walls



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The Next Step

- Tell us about your project.
- Complete the form.
- We are here to support you.