

MODELL PHOTO



JAR TESTING FOR SOIL TYPE

Test of the soil from the site for building rammed earth walls



ESTIMATING SOIL TEXTURE

Rammed Earth mix:
70% Sand/Gravel + 30% Clay and Silt



Water

Clay - 25%
Silt - 15%

Sand - 60%

Rammed Earth Wall

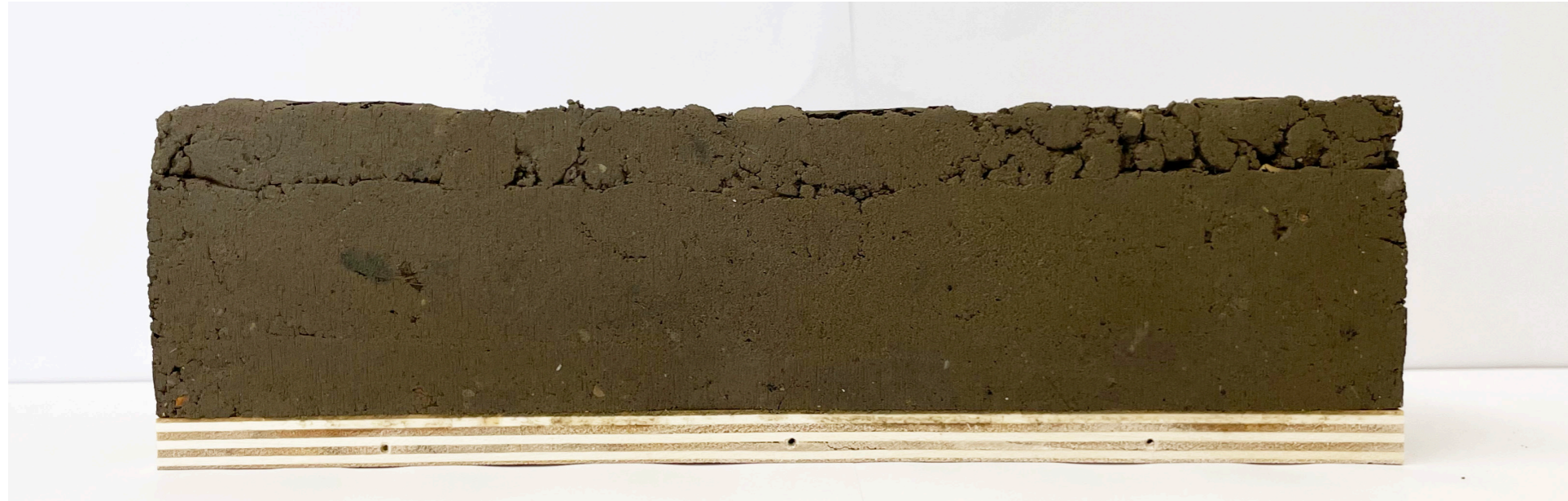
Process of model building



Rammed earth wall

The jar test for the soil from the site showed that the level of clay is 10% higher than it should be to build with. The soil needs to be mixed with gravel to make the right mix

Modell build before 2 month ago



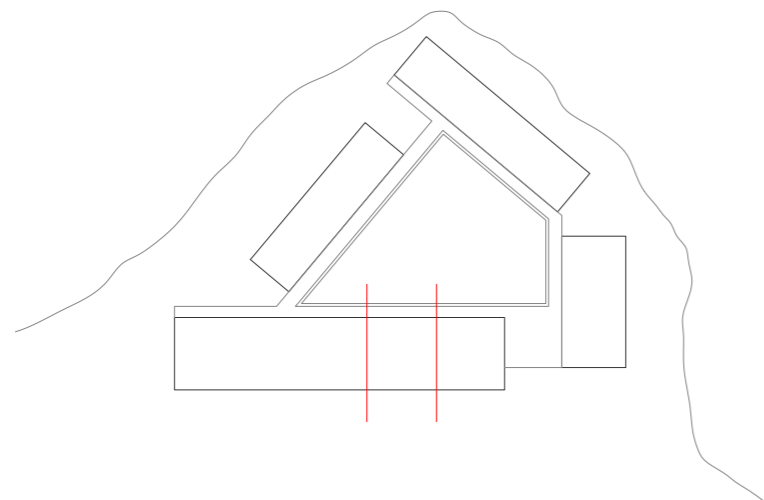
This is a test of a 500mm wall in a scale of 1:5.

Here ii used soil from the site, mixed with the right amount of gravel.

Modell build 3 weeks ago



Section modell



Materials for the project

Rammed earth and Glulam timber





