General Overview

Slope stabilization with a steep inclination

Protection and supporting erosive soils

About GeoGlobe® Europe

Being aware of the geological, ecological, economic and human challenges of our century, GeoGlobe® Europe company designs and manufactures geosynthetic systems for soil stabilization and erosion control and puts its know-how and its experience in service of the Earth Stabilization.
Being dynamic, GeoGlobe® Europe consists of a team of specialists with a permanent and consistent participation in the world's geosynthetic committees.
GeoGlobe® Europe continuously invests in research and development of technologies whose effectiveness is proven in long terms.
Based on many years of experience in studying and realization of geosynthetic solutions applied in the infrastructure projects and terrain stabilization, we focus on the feasibility and durability of the solutions.
GeoGlobe® Europe takes care to offer today's customized solutions harmoniously combining the technical performance at the level of civil engineering with the human pledge including the socioeconomic development and the ecological engineering in respect to the environment for a more stable future.

Stabilization of slopes after the enlargement of a road

The challenge

- It is necessary to enlarge a road but without the permission to use the adjacent terrains along the road that are constructed and inhabited.
- This enlargement work done on a restricted area leads to the creation of a slope with a steep inclination.

Slope with a steep inclination

Protection and supporting erosive soils

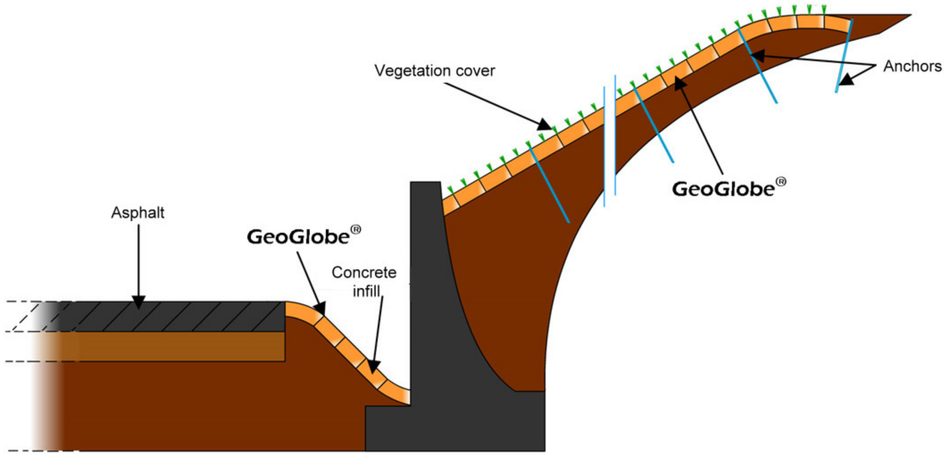
The Solution
To stabilize the slopes combining different applications of GeoGlobe® without disfiguring the landscape.

The alternative method
Building concrete retaining walls. This option is proven to be too expensive and above all incompatible with the landscape.

GeoGlobe® method and its advantages
Each part of the slope is treated in a different manner depending on the inclination and the height: in the lower part (up to 3 meters) and adjacent to the road, a retaining wall is constructed; as to the higher part of the slope (above 3 meters), a layer of GeoGlobe® is installed to stabilize the slope.

The technology – effective, durable, economical and ecological
In order to reduce the inclination of the slope, due to the lack of base- side surface, the lower part consists of a vertically retaining wall. On the upper part of the slope and after preparation of the terrain, a layer of GeoGlobe®, firmly anchored to the top, is expended down to the wall then filled with topsoil located on site.

The result
The use of topsoil available on site as ballast is very economical and is also perfect from a landscape point of view. Rapidly, the slope is covered by vegetation that contributes to the permanent stabilization of the slopes while preserving the natural framework.



GeoGlobe® Europe