

Retaining Wall

Cutting Stabilisation, Webwall, Saundersfoot, UK



Case Study

Project Description

Saundersfoot is a much-visited seaside resort on the west coast of Wales. During the summer months it is much frequented by holidaymakers. On Westfield Road Saundersfoot's busy health centre was accessed via a narrow lane, which was considered hazardous to pedestrians. The old English Wesleyan Chapel, built in 1892, is an historic focal point for many visitors to the town

The Challenge

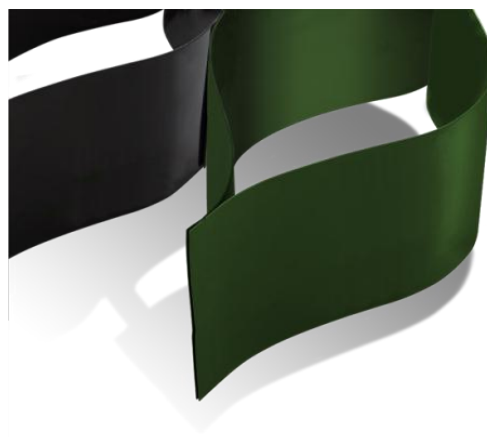
Pembrokeshire County Council's task was to construct a footpath within a restricted area. This was done by re-aligning the cutting which ran alongside the chapel. It was important that the green natural appearance of the cutting was retained. The ground near the chapel sloped steeply upwards which, when cut back, required a retaining wall. It was important for the retaining wall structure to be simple and quick to erect, so as to cause minimal disruption to the general public.

The Solution

Consultants AECOM, working on behalf of the County Council, chose **ABG Webwall** as a major part of their solution. **Webwall** was rapidly constructed by contractor Alun Griffiths using the 4m x 1m panels, which were filled with re-used soil sourced from the excavation of the cutting. This negated the cost and inconvenience associated with importing additional materials to site. Upon completion, the newly built wall

Project Information

Client	Pembrokeshire County Council
Contractor	Alun Griffiths
Consultant	AECOM
Products	Webwall GSW250
Quantity	124m ² face of wall
Benefits	- Speed of installation minimised disruption to the public - Natural grass finish - Manual handling suited tight site constraints



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was replanted and the structure was allowed to naturally restore its green appearance. **Webwall** was in-keeping with the surrounding environment. Within a relatively short period of time it was possible to build a cost effective, environmentally-friendly retaining wall. This enabled Pembrokeshire County Council to provide safe access for pedestrians to access the health centre, whilst retaining and enhancing the natural appearance of the cutting.

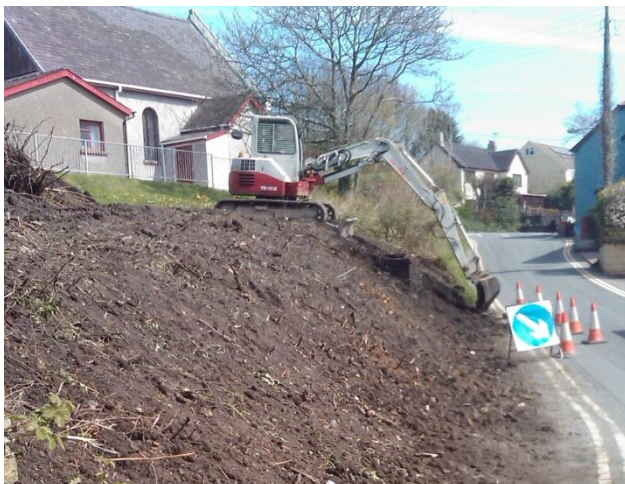
The ABG Service

ABG assisted with design calculations and layout suggestions for this specific site based on the soil conditions and available site footprint. ABG manufactured the **Webwall** which was supplied on pallets in expandable panels and installation supervision was provided to ensure a successful construction.



Each layer of Webwall is expanded and pinned and placed 100mm back and in line with the panel beneath.

The green front panels are filled with topsoil for planting and the black back panels filled with locally won soil



Topsoil strip at original profile with no footpath on this narrow and busy road.



New safe access footpath for pedestrians bordered by a vegetated retaining wall

Contact ABG today to discuss your project specific requirements and discover how ABG past experience and innovative products can help on your project.