Case Study

Carbonblock HCM1.0M Impermeable Geomembrane

The project centered on the construction of a new bridge over a live railway line. The access road to the new bridge needed to be raised to meet the new bridge levels. Lightweight fill was selected as the material to increase the ground levels as an alternative to expensive granular materials and reinforcement products.

If the lightweight fill material were left exposed in the ground it could suffer from damage due to water filtration and from hydrocarbon pollution from the surface water run off from the carriageway. The lightweight fill was totally encapsulated with Stormwater Management’s Carbonblock impermeable geomembrane.

Stormwater Management were employed on a sub-contract basis to carry out the lining works of the fill material. Our team of skilled operatives placed a 1mm Carbonblock HDPE impermeable geomembrane around the fill and sealed the liner by using a specialist twin-wedge welding machine. This provided the membrane with a double seam weld ensuring greater integrity of the geomembrane joints.

The site agent from Birse Construction said that the “professional and efficient team of operators from Stormwater Management installed the lining around the modular blocks quickly and on time ensuring that following trades were also able to carry out their operations on schedule”.

“Stormwater Management provided the client with a full solution by supplying the required materials and also presenting highly experienced operatives to install the system. This saved the contractor time and avoided the need for them to obtain any specialist training or equipment”.

Location:
Medway
Kent

Client:
Medway Council

Project:
A228 Stoke Bridge

Contractor:
Birse Construction

Birse Civils
Balfour Beatty