

Civils



Cryalls Lane, Sittingbourne - Retaining walls

This development was on the site of a chalk quarry. Original site levels varied by up to 8m and a considerable cut and fill exercise was required. Retaining walls were required on 3 of the 4 site boundaries.

Where the public highway was retained on the eastern boundary, approval for the proposed construction was required from Kent Highways. The Approval in Principle method therefore had to be gone through. The agreed solution for this part of the site was a continuous reinforced concrete piled retaining wall. A substantial reinforced concrete capping beam provided the barrier which had to resist vehicle impacts and tie the top of the piles together. On the opposite side of the site it was necessary to fill the quarry to a height of approximately 3.5m above the neighbouring property. The fill was retained using a reinforced earth wall. This was achieved using the tensile fabric system. The wall was designed to retain the vehicle loads typical of a goods yard as well as the storage vessel for the sprinkler system.