Europa Way, Gallows Hill

Warwickshire

In March 2020 Phi Group completed the design, supply and installation of a substantial gabion basket retaining wall for Vistry Partnerships, at their project in Gallows Hill, Warwickshire

The project

The scheme which is a joint initiative between Warwick District Council, Galliford Try (Now Vistry Partnerships) and Waterloo Housing marks a key stage in the Council's long-term plans for Europa Way and Gallows Hill.
Of the 375 new homes to be built on the site, 185 two, three and four bed houses are to be offered as affordable, social rented or shared ownership dwellings.

The challenge

The scheme called for a large retaining wall at the upper level of the site. Although the existing single lane highway is some distance away, the highways boundary is close to the top of the new gabion retaining wall. This is to allow for widening of the carriageway in the future. The weather was not kind to us for most of the project duration, as can be seen from the photos, but thanks to an excellent effort by those on site, the effect on programme was mitigated as much as possible.

The solution

The gabion basket retaining wall was specified by the project engineer at an early stage. The gabion retaining wall is 170m long and up to 3.50m retained height. The face area is over 440m^2 and the gabion baskets have a volume of 670m^3. The build programme was originally 5 weeks, but completion was improved to 4 weeks. The gabion basket solution is robust, with a minimum 70 year design life. It also looks fantastic when they are filled, and the front face is hand finished, with locally sourced gabion stone.

Project facts

Owner(s)
Vistry Partnerships

Keller business unit(s)
Phi Group

Main contractor(s)
Vistry Partnerships

Engineer(s)
Patrick Parsons

Solutions
Retaining structures

Markets
Residential

Techniques
Gabion baskets

Email address
robert.torrington@phigroup.co.uk

Phone number
01242 707600