



## Key achievements

- Early involvement with stakeholders to ensure the retaining walls for this flagship development were designed so the final layout could be agreed.
- Phi Group provided the complete design, supply and installation package
- Phi Group supplied and placed 4,000 tonnes of backfill material included within our package.

## • The project

Bellway Homes undertook the development of a large housing development in Tamworth, close to their offices. Even though the actual construction of the Permacrib walls took place in 2018, Phi Group started the design process and discussions with Bellway Homes and their engineers Travis Baker, in late 2015.

## • The challenge

The main challenge was identifying during the design stage how the two Permacrib retaining walls interacted with other structures on site, such as garages and housing plots. Through continued co-ordination a suitable retaining wall layout was arrived at. The construction was more straightforward, with long runs of Permacrib retaining walls to build.

## • The solution

Two Permacrib timber crib retaining walls were constructed on site, with a total length of 270m, an average retained height of 4.0m, and a face area of nearly 1,000m<sup>2</sup>. A perfect project to highlight the economic benefit Permacrib has over traditional methods of retaining. Speed of construction is a key benefit, with 25m<sup>2</sup> a day face area constructed with ease.

“Early involvement with Bellway Homes and their engineers, Travis Baker, meant this project ran smoothly on site. A great example of collaboration”

**Robert Torrington, Business Development Director Phi Group**

### Application

Slope Stabilisation

### Technique

Permacrib Timber Crib Retaining Wall

### Sector

Residential

### Client

Bellway Homes (West Midlands) Limited

### Main contractor

Bellway Homes (West Midlands)

### Contract Value

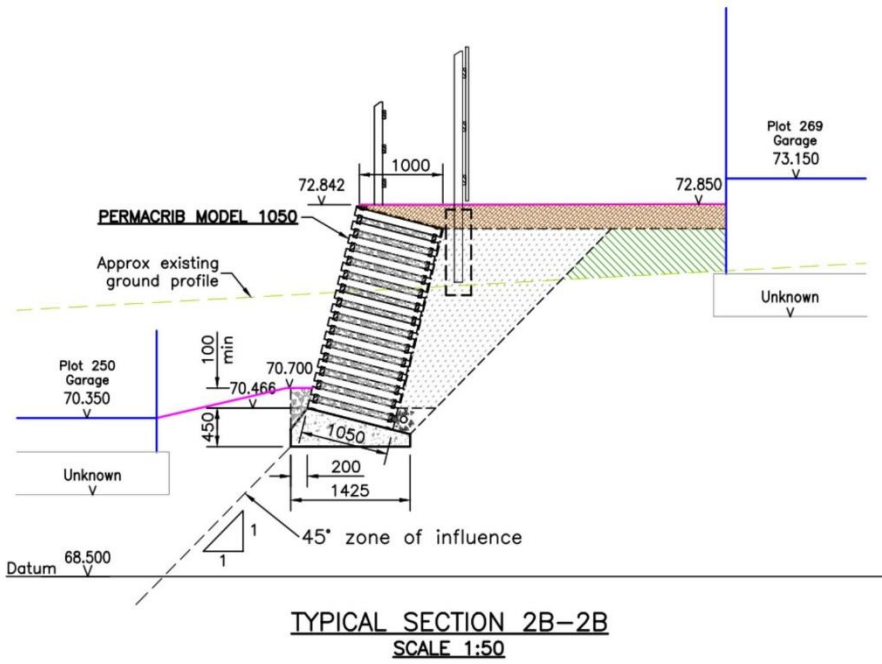
£350,000.00

### Keller companies

Phi Group



**Cross Section**



Contact Phi Group

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