

Bolston House,
Bonvilston

Landscape mitigation LA.5
strategy

Trees to be removed to facilitate the development are all low category trees (C category) except for 3no. which are moderate quality trees (B category) - refer to the Arboricultural Impact Assessment prepared by Treescene.

The Vale of Glamorgan's Trees, Woodlands, Hedgerows and Development SPG, notes that "the Council will normally require planting at ratio of 2:1 which is necessary to mitigate the amenity loss of **mature** or **high value** trees."

The AIA has identified a number of mature trees which will need to be removed due to arboricultural reasons, but some mature trees, which are mainly category C trees, will need to be removed to accommodate the development. Three category B trees will also need to be removed.

Category C trees are identified as "Those Those of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm."

Although this scheme cannot achieve a 2:1 replacement tree planting proposal within the site, the trees which need to be removed to accommodate development have been mitigated with a **robust landscape proposal** which include proposed trees, shrubs, herbaceous plants, specimens, and climbing plants. The combination of these features will:

- Provide green streets with planting, with verges and front gardens used to plant trees without the need for proposing underground root cells.
- Provide filtered views and include native species where practicable.
- Provide a nature-focused scheme which will be easier to maintain and require less resource to do so.
- Increase green infrastructure to create more opportunities for nature due to the range of planting types.
- Soften the development due to highlighting street junctions and features, and contributing to the wider landscape character within the vicinity.

The adjacent plan shows proposed tree planting and their predicted future canopy spread after 25 years. The selection of trees being proposed include a range of flowering species, leaf and bark interest throughout the year, and trees with berries for wildlife. These trees in combination with the landscape types (rain gardenes, shrub planting, climbing plants and specimens) contribute towards a pleasant environment for the future residents.

The trees being implemented at 'day 1' will be a combination of Extra Heavy Standards and semi-Mature trees, with their heights being between 400cm and 550cm. These will help provide a mature landscape scheme from the outset. The proposed shrubs being implemented will also be larger stock sizes again to help create impact from day 1.

For the proposed maintenance of the landscape scheme, please refer to drawing LA4. Where tree planting has been proposed within rear gardens, the proposed tree species will allow for screening, yet light will still be able to filter through into the gardens due to their small leaf sizes.

The species of the proposed evergreen planting within the rear gardens will be Ligustrum ovalifolium (privet). It is a relatively fast growing shrub and it will be allowed to grow tall to provide a privacy screen between the proposed development and the adjacent pub. The height of this buffer will be between 80-100cm high at 'day 1' planting.



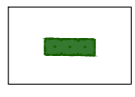





The pleached trees along the western boundary will be planted with 2.0m high clear stems to retain views of the existing stone wall. A soft visual barrier between the existing dwellings and the proposed development will be created due to the canopy of the pleached trees. Their canopies will need to be pruned at least twice a year to keep their shape.

Overall, the landscape proposal provides interest throughout the site, enhances biodiversity and will increase the amenity value for the future residents. The tree planting is appropriate to the scale of the development with the retention of the notable trees at the northwest and north east.

Key

Abbreviation	Species
Ac ca	Acer campestre
Ac ce	Acer campestre 'Elsrijk'
Al sp	Alnus x spaethii
Be pe	Betula pendula
C be	Carpinus betulus
Ma ev	Malus 'Evereste'
Pr ap	Prunus avium 'Plena'
Pr cn	Prunus cerasifera 'Nigra'
SORAUSS	Sorbus aucuparia 'Sheerwater Seedling'

Refer to LA4 for planting details an outline implementation specification

-  Tree planting (root barriers to be provided as necessary)
-  Predicted tree canopy spread after 25 years (Ref: Hillier Trees and RHS)
-  Pleached trees
-  Shrubs
-  Specimen shrubs
-  Climbing plants
-  Evergreen buffer planting
-  Rain gardens

0 2 4 6 8 10 20 metres
Scale 1:250 @ A1

North

TC22049_LA1-LA5.dwg 18 March 2022