

David Clarke Chartered Landscape Architect and Consultant Arboriculturist Limited

David Clarke BSc (Hons) PD Arb (RFS) CMLI M Arbor A

**21 Danesbury Park Road, Welwyn,
Hertfordshire**

Landscape Statement

(refer to Drawing No: LP/21DPRWH/020 A)

Landscape Plan

The Landscape Plan and Landscape Statement have been prepared for a Planning Application at '21 Danesbury Park Road, Welwyn, Hertfordshire'. This application is for the residential development of the site for 2 no. detached dwellings with associated access and landscaping.

Landscape Philosophy

To provide a landscape design which reflects the residential built context around the site. The proposals will use a range of good quality hard surface materials. Existing trees and hedging will be retained to the site boundaries. New planting will include a mix of native and non-native species with more formal planting around the proposed dwellings. These will screen and soften the development as well as providing an attractive setting for the dwellings. The species used will be beneficial to wildlife - for instance by providing nesting sites or a food (nectar or fruit) source. Trees, shrubs, hedging and herbaceous species will be used. Relevant research has formed the basis of this landscape plan. These include 'Plants for Pollinators' and 'Plants for Bugs' undertaken by the Royal Horticultural Society.

Plan Details

Hard Material Specification

Surfacing Materials and Fencing are as to be used in the areas as shown on the Landscape Plan, as indicated on the Key and as set out below.

Hard Surface Materials

Main Driveway and Parking Areas

Tegula Drivesett Block Paving or similar. Sizes: 240 x 160 mm, 160 x 160 mm and 120 x 160 mm. Laid in a random pattern. Use medium sized blocks as edging if required. Colours: Pennant Gray or Traditional. Supplier: Marshalls Paving Ltd

Footpath Access to and around the Dwellings

Use Tegula Drivesett Block Paving or similar to compliment that used for the access road. Sizes: 240 x 160 mm, 160 x 160 mm and 120 x 160 mm. Laid in a random pattern. Use medium sized blocks as edging if required. Colours: Pennant Gray or Traditional. Supplier: Marshalls Paving Ltd

Patio Areas and Footpaths to the Rear of the Dwellings

Patio Areas

Use a range of high-quality materials which will complement the setting and layout of the development. Materials to include natural stone – such as Limestone or, Sandstone Paving, Composite Decking or Riven Paving Slabs.

Pea shingle laid on a geo-textile membrane will be laid to the side of dwellings or rear of a garage.

Boundary Treatments Specification

The existing trees and hedging will be maintained to the southern and western boundaries. Hedging will be planted to the majority of the remaining site boundaries and to define and soften garden boundaries. Where shown these will be planted in association with fencing which will reinforce and secure these boundaries. The following fencing types will be used.

- 1.8 m height timber fencing will be used for the rear garden boundaries and internally between dwellings.
- Post and Rail Fencing to site frontage adjacent to garage to Plot B. To 1.2-1.5 m height.
- Picket Fencing to separate front garden areas of Plots A and B. To 1.1 m height.

Gaps within the fences of 130 x 130 mm will be created to the internal fences to allow movement of small mammals - such as hedgehogs - and amphibians around the site. At least 1 no. gap per boundary section.

Plant Specifications

General Specification

All soil harvesting, handling and storage should conform with Defra Publication 'Construction Code of Practice for the sustainable use of soils on construction sites' (2009).

All planting stock should comply with the National Plant specification. All planting preparation, handling, planting & maintenance should be in accordance with CPSE Code for Handling and Establishing plants.

All trees and shrubs to comply with BS 3936 Part 1 1992, planted to BS 4043:1989 and BS 4428:1989. It is recommended supply of trees follows BS 8545: 'Trees: From Nursery to independence in the Landscape. Recommendations' and that in the interest of Biosecurity, trees should not be imported directly from European suppliers and planted straight into the field, but spend a full growing season in a British nursery to ensure plant health and non-infection by foreign pests or disease. All trees to be planted must have been held in quarantine.

Existing soils will be retained and used where possible. Any additional topsoil will conform to BS 3882 2015. Topsoil incorporated into planting beds to be gently mounded towards the centre of each bed to allow for settlement. Soils will be to a depth of at least 150 mm for amenity grass areas, 300-450 mm for herbaceous plants, climbers, hedges and shrubs and 1000 x 1000 mm for trees. On completion of planting the whole area of the shrub and herbaceous beds should be mulched with 75mm consolidated thickness of medium textured decorative grade natural pine bark.

Plant substitutions may be made depending on availability at time of planting. Plant species used will reflect the overall design ethos of the development. The size and shape of the planting beds, site conditions, soil type and pH should be confirmed prior to ordering of plant and other material. Trees are shown at their anticipated maximum canopy spreads to gauge their suitability within the space available within the proposed site layout.

Tree Specification

Trees will be planted within the site. These will help screen and set the development in the landscape and provide a range of wildlife and aesthetic benefits.

Acer campestre 'Lienco' - 1 no. – 8-10 cm girth and 250-300 cm height at planting

Cornus mas – 1 no. - 8-10 cm girth and 250-300 cm height at planting

Quercus robur 'Concordia' - 1 no. - 10-12 cm girth and 300-350 cm height at planting

Sorbus aucuparia 'Beissneri' – 2 no - 10-12 cm girth and 300-350 cm height at planting

Hedging Specifications

Hedges will be used through the site to add attractive structural elements within the development. They will provide connectivity or 'green corridors' through the development for wildlife. They can be used by wildlife for nesting sites and refuge. They will help to screen boundaries

Photinia Hedging (Photinia x fraseri)

Plant as a hedge at 60 cm centres. Plants to be 3 Lt, 40-60 cm, Bushy. Prune as necessary to maintain vigour and hedge form. Maintain to height of 1.8-2.0 m as required. 14.5 linear metres of hedging to be planted. 24 no. plants to be used.

Portuguese Laurel Hedging (Prunus lusitanica)

Plant in a single row at 60 cm centres. Plants to be 3 Lt, 40-60 cm. Prune as necessary to maintain vigour and hedge form. Maintain to height of 1.8-2.0 m as required. 17.5 linear metres of hedging to be planted. 29 no. plants to be used.

Privet Hedging (Ligustrum ovalifolium)

Plant Privet as a hedge at 30 cm centres. Plants to be 60-80 cm and bare root. Prune as necessary to maintain vigour and hedge form. Maintain to height of 1.8-2.0 m as required. 17.5 linear metres of hedging to be planted. 58 no. plants to be used.

Pyracantha Hedging (Pyracantha 'Orange Glow')

Plant in a single row at 50 cm centres. Plants to be 3 Lt, 40-60 cm. Prune as necessary to maintain vigour and hedge form. Maintain to height of 1.8 m. 9.0 linear metres of hedging to be planted. 18 no. plants to be used.

Viburnum Hedge (Viburnum tinus 'Eve Price')

Plant as a hedge at 60 cm centres. Plants to be 3 Lt, 40-60 cm, Bushy. Prune as necessary to maintain vigour and hedge form. Maintain to height of 1.8 m as required. 4.0 linear metres of hedging to be planted. 6 no. plants to be used.

Yew Hedging (Taxus baccata)

Plant as a hedge at 50 cm centres. Plants to be 3 Lt, 40-60 cm, Bushy. Prune as necessary to maintain vigour and hedge form. Maintain to height of 1.5-1.8 m as required. 26.0 linear metres of hedging to be planted. 52 no. plants to be used.

Planted Beds (Shrub and Herbaceous areas)

Plant smaller species to the front of the planted bed and/or adjacent to footpaths. Plant taller species to the back of the planted bed but away from windows.

Bed A

Berberis atropurpurea 'Aurea' - 5 no. - 3 Lt, 20-30 cm, Branched

Cornus 'Midwinter Fire' – 5 no. - 5 Lt, 60-80 cm, Branched - *once established coppice on a 2-3 year cycle to maintain vibrant stem colour*

Hydrangea arborescens 'Annabelle' – 3 no. - 5 Lt, 30-40 cm, Branched

Mahonia japonica 'Charity' – 3 no. - 5 Lt, 40-60 cm, Branched

Viburnum x judii – 5 no. – 5 Lt, 30-40 cm, Branched

Bed B

Brunnera macrophylla 'Jack Frost' – 3 no. – 1 Lt, Vegetative

Cistus x pulverulentus 'Sunset' - 3 no. - 5 Lt, 40-60 cm, Bushy

Escallonia 'Pink Elle' – 3 no. – 3 Lt, 30-40 cm, Bushy

Hebe 'Marilyn Monroe' – 3 no – 5 Lt., 20-30 cm, Bushy

Heuchera 'Silver Scrolls' - 6 no. - 1 Lt, Vegetative

Phlomis russeliana – 6 no. – 1 Lt, Vegetative

Phormium 'Cream Delight' - 3 no. - 3 Lt, 5 Leaves

Potentilla 'Elizabeth' - 3 no. - 5 Lt, 30-40 cm, Bushy

Bed C

Ceanothus 'Skylark' – 3 no. - 3 Lt, 30-40 cm, Bushy

Cornus 'Midwinter Fire' – 5 no. - 5 Lt, 60-80 cm, Branched - *once established coppice on a 2-3 year cycle to maintain vibrant stem colour*

Hydrangea arborescens 'Annabelle' – 3 no. - 5 Lt, 30-40 cm, Branched

Hypericum 'Hidcote' – 5 no. – 5 Lt, 40-60 cm, Bushy

Viburnum davidii - 5 no. - 5 Lt, 40-60 cm, Branched

Bed D

Bergenia 'Beethoven' – 6 no. – 1 Lt, Vegetative

Caryopteris x clandonensis 'Kew Blue' – 3 no. - 3 Lt, 30-40 cm, Branched

Cistus x pulverulentus 'Sunset' - 3 no. - 5 Lt, 40-60 cm, Bushy

Heuchera 'Lime Marmalade' – 6 no. – 1 Lt, Vegetative

Philadelphus 'Mont Blanc' – 3 no. – 5 Lt, 30-40 cm, Bushy

Phormium 'Maori Queen' – 5 no. – 3 Lt, 5 Leaves

Phlomis russeliana – 6 no. – 1 Lt, Vegetative

Weigela 'Minuet' – 3 no. – 5 Lt, 30-40 cm, Bushy

Bed E

Artemisia 'Powis Castle' – 2 no. – 5 Lt, 30-40 cm, Bushy

Berberis atropurpurea 'Nana' - 3 no. - 3 Lt, 20-30 cm, Branched

Cistus 'Silver Pink' - 3 no. - 3 Lt, 30-40 cm, Bushy

Geranium psilostemon 'Patricia' – 4 no. - 1 Lt, Vegetative

Hebe canterburiensis – 3 no. – 3 Lt, 20-30 cm, Bushy

Hydrangea 'Altona' – 3 no. – 5 Lt, 30-40 cm, Branched

Kniphofia 'Bees Sunset' – 4 no. – 1 Lt, Vegetative

Rudbeckia 'Goldsturm' – 4 no. – 1 Lt, Vegetative

Salvia rosmarinus – 2 no. – 5 Lt, 40-60 cm, Branched

Bed F

Agapanthus 'Alice Gloucester' – 3 no. – 1 Lt, Vegetative

Caryopteris x clandonensis 'Worcester Gold' – 3 no. - 3 Lt, 30-40 cm, Branched

Hylotelephium 'Herbstfreude' - 2 no. - 1 Lt, Vegetative

Nepeta 'Six Hills Giants' – 4 no. – 1 Lt, Vegetative

Osteospermum 'Whirlygig' – 4 no. – 1 Lt, Vegetative

Pittosporum 'Golf Ball' - 3 no. - 3 Lt, 30-40 cm, Bushy

Santolinia chamaecyparissus 'Lemon Queen' - 3 no. - 3 Lt, 20-30 cm, Bushy

Weigela 'Snowflake' – 1 no. – 5 Lt, 30-40 cm, Bushy

Bed G

Agapanthus 'Alice Gloucester' – 3 no. – 1 Lt, Vegetative

Forsythia 'Maree d'Or' – 3 no. – 5 Lt, 30-40 cm, Branched

Spiraea japonica 'Goldflame' – 3 no. – 5 Lt, 40-60 cm, Branched

Pittosporum 'Golf Ball' - 3 no. - 3 Lt, 30-40 cm, Bushy
Origanum vulgare 'Aureum' – 4 no. – 1 Lt, Vegetative
Pulmonaria 'Sissinghurst White' – 3 no. – 1 Lt, Vegetative
Weigela 'Snowflake' – 1 no. – 5 Lt, 30-40 cm, Bushy

Bed H

Alchemilla mollis – 4 no. – 1 Lt, Vegetative
Aucuba 'Rozannie' – 3 no. – 3 Lt, 30-40 cm, Bushy
Ceratostigma willmottianum – 3 no. - 3 Lt, 30-40 cm, Bushy
Escallonia 'Red Carpet' – 2 no. – 5 Lt, 30-40 cm, Bushy
Geranium clarkei 'Kashmir White' – 4 no. – 1 Lt, Vegetative
Hebe 'Great Orme' - 2 no. - 5 Lt, 40-60 cm, Bushy
Hydrangea 'Altona' – 3 no. – 5 Lt, 30-40 cm, Branched
Sarcococca hookeriana var humilis - 3 no. - 3 Lt, 20-30 cm, Bushy
Tellima grandiflora 'Purpurea' – 4 no. – 1 Lt, Vegetative

Bed I

Lavendula angustifolia 'Hidcote' – 3 no. - 5 Lt, 30-40 cm, Bushy

Bed J

Hebe 'Nicolas Blush' – 2 no. - 5 Lt, 30-40 cm, Bushy
Papaver orientale 'Allegro' – 2 no. – 1 Lt, Vegetative
Salvia officinalis 'Icterina' – 2 no. – 1 Lt. Vegetative

Bed K

Erysium 'Bowles Mauve' – 1 no. – 1 Lt, Vegetative
Escallonia 'Pink Elle' – 2 no. – 3 Lt, 30-40 cm, Bushy
Heuchera 'Silver Scrolls' - 3 no. - 1 Lt, Vegetative

Bed L

Lavendula angustifolia 'Hidcote' – 3 no. - 5 Lt, 30-40 cm, Bushy

Bed M

Brunnera macrophylla 'Jack Frost' – 3 no. – 1 Lt, Vegetative
Geranium macrorrhizum 'Ingwersens Variety' – 4 no. – 1 Lt, Vegetative

Bulbs

Plant native bulbs in areas shown on the Landscape Plan. To include a range of species to give late winter – spring interest and wildlife benefits.

Species to include *Galanthus nivalis* (Snowdrop), *Hyacinthoides non-scripta* (Bluebell) and *Narcissus pseudonarcissus* (Daffodil).

Wildflower Meadow

The existing grass sward to the southern and western part of the site will be located outside the garden areas of the development. This will be assessed by the project Ecologist. If of an acceptable condition the sward will be retained and managed as part of the communal areas of the development to add visual interest and texture within the development and to have benefits for wildlife.

If the assessment concludes that the sward is of a poor condition then it will be retained and enhanced through overseeding by a suitable wildflower mix:

'Flowering Lawn Mixture' (EL1) from Emorsgate Seeds could be sown. This meadow mixture contains a very wide range of species. It would be used to create a very diverse sward and will be managed as per the suppliers recommendations. All arisings will be removed from the site.

Native Shrub Area

Create a native shrubs area to provide wildlife benefits and provide structural, sheltered elements in association with the adjacent meadow area. Plant randomly at an overall density of 3 shrubs per 5 m². All native stock to be 40-60 cm, Bare Root, Branched. Species will be pruned as necessary to maintain shape and vigour. 6 no. plants to be used. To include:

Cornus sanguinea (Common Dogwood), *Ilex aquifolium* (Holly), *Ligustrum vulgare* (Common Privet) and *Viburnum opulus* (Guelder Rose).