PROPOSED RESIDENTIAL DEVELOPMENT AT STANSTY ROAD

LANDSCAPE DESIGN STATEMENT AND GREEN INFRASTRUCTURE



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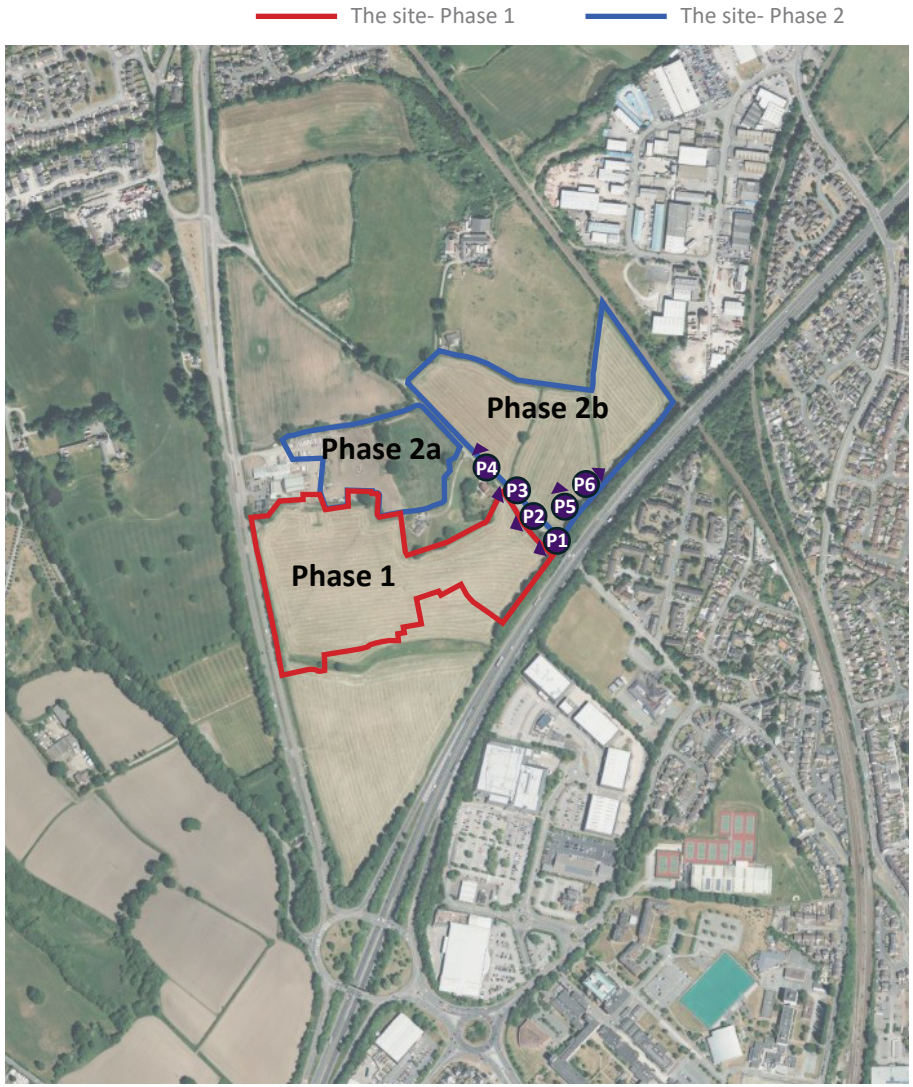
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1 Site and Context















2.1 The Site

The proposal site comprises undeveloped land located on the western edge of the urban area of Wrexham in North Wales. The site area is approximately 8.17 hectares (81,700 m²).

The site is divided by Stansty Chain Road. Phase 2b is bordered by a railway line and a commercial hub to the east and northeast. To the north, Phase 2b is adjacent to open land. To the east and south, it adjoins residential properties with associated gardens and private access drives. Phase 1 is bordered by the main roads A541 and A483. Phase 2a is adjacent only to Stansty Chain Road along its north-eastern boundary. To the north of Phase 2a lies open land, beyond which are residential areas.

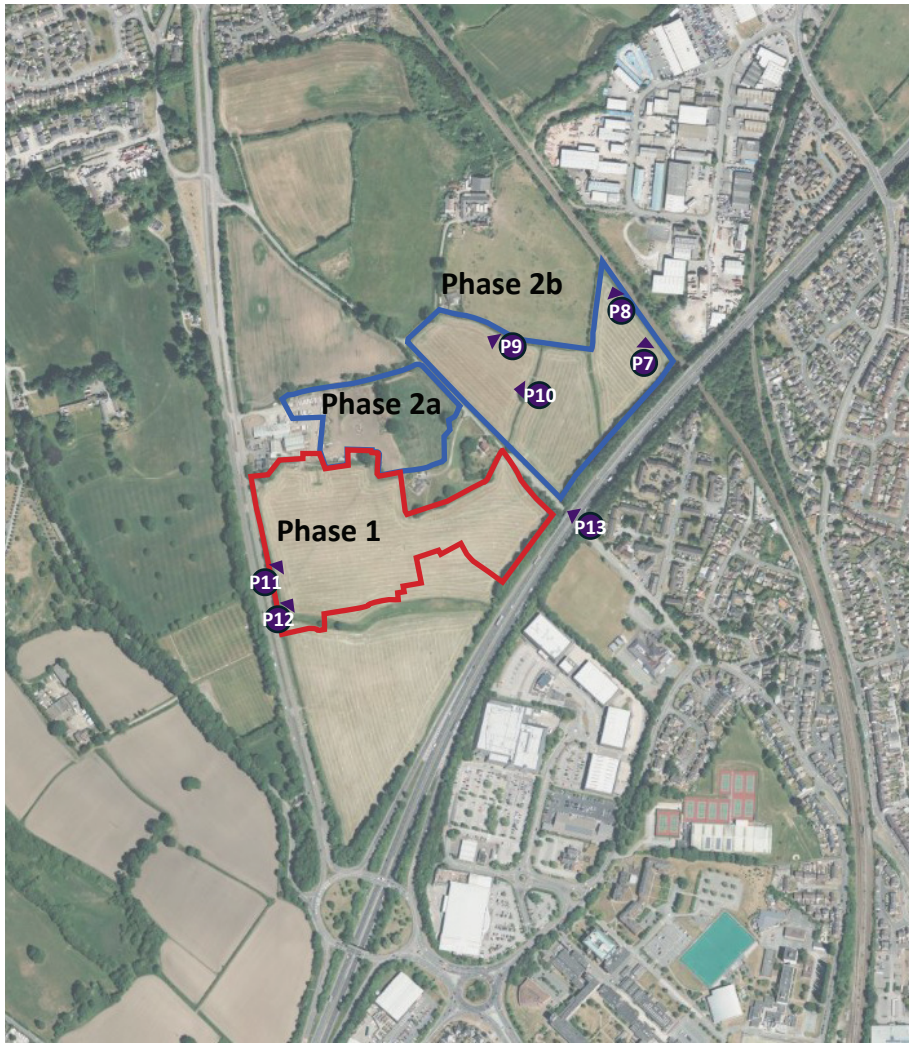
The site predominantly consists of semi-improved grassland with scattered trees, overgrown hedgerows, and areas of scrub across Phases 1, 2a, and 2b. The perimeter is generally enclosed by native hedgerows, although there are open views into the site from the west along Stansty Chain Road.

Access to the site (Phase 1) is currently via a field gate located off Stansty Chain Road, approximately 50 metres south of its junction with Wheatsheaf Lane. A public right of way passes through Phase 2b.

The immediate surrounding landscape represents a transitional zone between urban and rural character. While residential development dominates the north and east, the wider context includes open pasture, mature tree belts, and remnants of historic field boundaries. The area forms part of a broader landscape comprising a mix of housing, green space, and pockets of farmland, reflecting the peri-urban fringe of Wrexham.

1 Site and Context

The site- Phase 1 The site- Phase 2









1.1 Site Proposals

The site proposals are for a large residential scheme, comprising 380 units within Phases 1 and 2, with associated hard and soft landscaping, as well as access provision.

Existing boundary vegetation will be retained where possible to help integrate the development into the wider setting.

1.2 Site Surveys

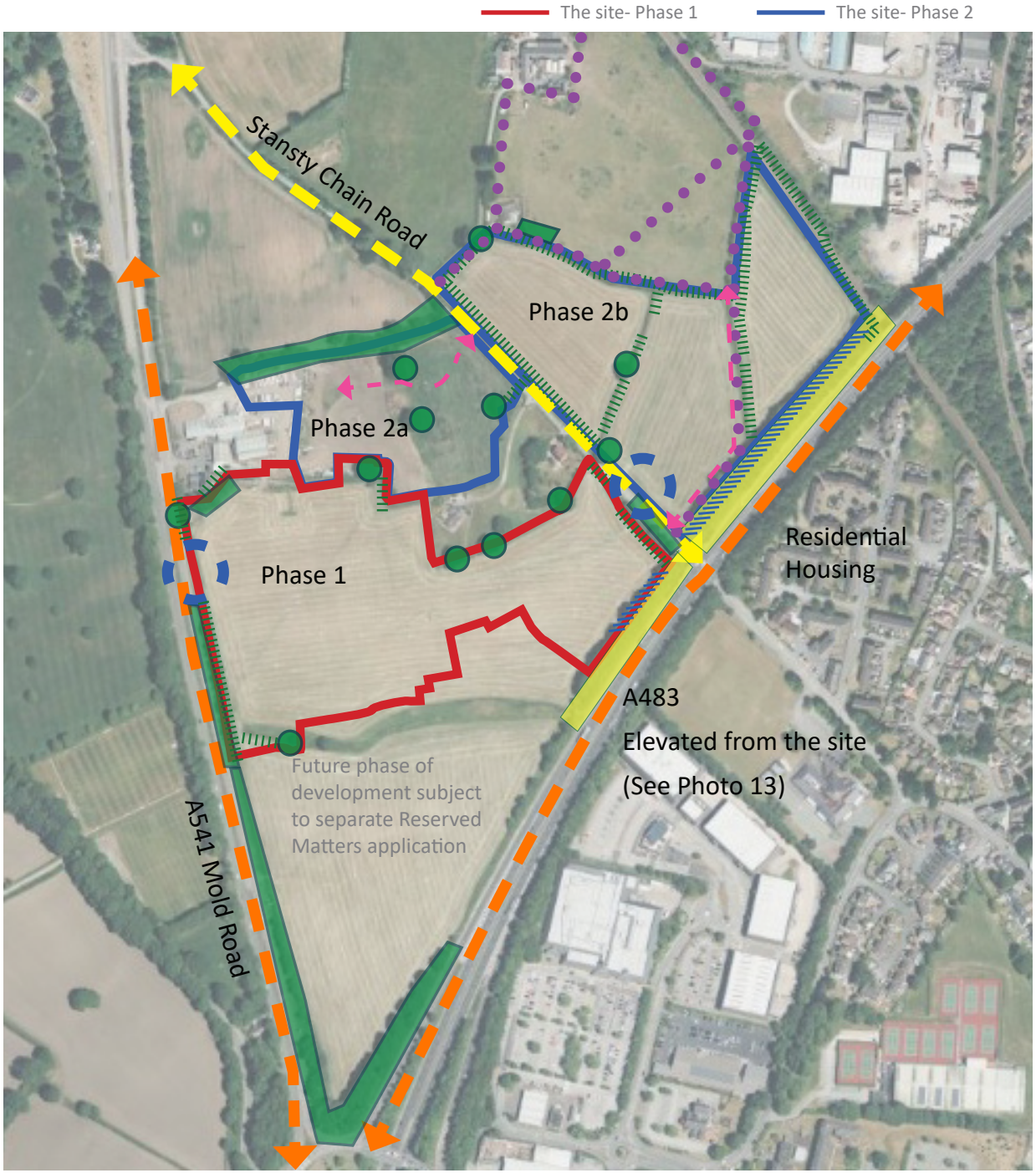
Site surveys were conducted on 23rd May 2025. At the time of survey, the vegetation was fully green and within the active growing season.











2.2 Site Potentials, Constraints and Opportunities

Below is a list of the site's potentials, constraints, and opportunities.

Site Potentials and Constrains

Main Roads

Local Roads

+ Po: Provide access to the site

- Con: May reduce residents' privacy and increase noise pollution

Existing Public Right of Way

+ Po: Provide access to the site

- Con: Requires sensitive design to maintain public access and safety

Existing embankments with Group of trees

Existing Trees

Existing Groups of Trees

Existing Hedgerows

+Po: Existing vegetation has the potential to be retained, enhancing ecological value and landscape integration

Site Opportunities

Proposed main access to be integrated into the existing road network

Opportunity for new hedgerow planting to strengthen green infrastructure

Opportunity to introduce new footpath routes to improve site permeability and connectivity

3 Green Infrastructure

3.1 Green Infrastructure Vision

The vision of the green infrastructure for the proposed development is supported by a series of five objectives, as outlined below. Objectives are inspired by site potentials, constraints and opportunities.

RETAINING VEGETATION



- Retaining existing trees and hedgerows at site boundaries where possible
- Infilling gaps in existing hedgerows to provide wildlife connectivity
- Replacing any removed vegetation with appropriate plant species
- Protecting retained vegetation during the construction

GREEN LINK



- Provide wildlife connectivity by native planting to fill gaps between existing vegetation such as hedgerows, woodland edge and native shrub mixes.
- Clearly define ecologically enhanced areas for wildlife and recreational spaces for residents.
- Connect green public open spaces with retained existing and proposed green infrastructure features.

TREE STRATEGY



- Choosing tree species which are appropriate and tolerant to the local conditions and will provide a range of colour, texture, biodiversity and sense of place
- Considering space available for full growth and development of the tree species being proposed
- Planting new trees where appropriate and using the principle of putting the right tree in the right place

WILDLIFE & BIODIVERSITY



- Choosing a mix of native species planting that will be beneficial to wildlife and creating year round interest
- Planting fruiting and flowering trees which are perfect for pollinators
- Introducing wildflower meadow planted within public open space

WELL-BEING AND RECREATION



- Promoting health and mental well through access to beautifully landscaped public open space
- Introducing footpath route especially linking to POS areas and PRoW for exploration and recreation
- Integrating play area, seating areas, orchard and sensory garden within POS for sense of community and gathering with nature

SUSTAINABLE DRAINAGE SYSTEMS



- Incorporating sustainable drainage systems in a form of infiltration basin
- Providing benefits beyond surface water management such as ecology and biodiversity, amenity value, and aesthetic value.



4.1 Tree Strategy

Proposed trees will include a mix of native and non-native species, including large broadleaved deciduous species where space allows. Small ornamental trees selected for varying seasonal interests are proposed within private gardens.

Tree planting will enhance the setting of residential areas, creating tree-lined streets where possible. Sufficient consideration will be given to species selection, ultimate canopy size and maintenance requirements to promote long-term establishment and reduce interference with buildings and services.

Alongside the trees proposed, native hedgerows will also help to strengthen and define the green infrastructure across the site and provide ecological corridors.

The diagram is indicative only to illustrate the type of trees/ hedges suggested throughout development and is not limited to the numbers shown.

- Existing trees and hedgerow retained
- Proposed avenue trees
- Proposed large native trees
- Proposed Ornamental trees
- Proposed Orchard Tree
- Proposed native hedgerow

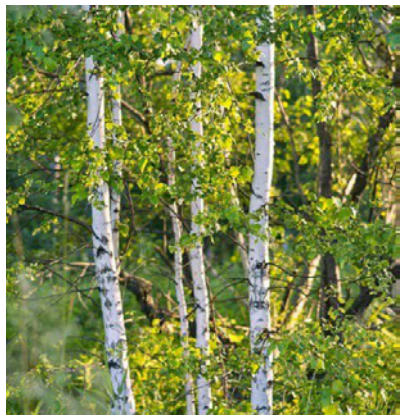
Tree planting



Pyrus calleryana 'Chanticleer'



Prunus serrulata 'Kanzan'

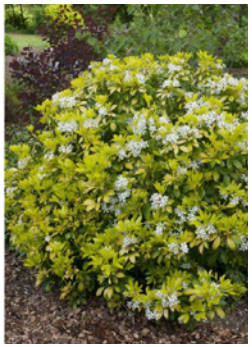


Betula pendula

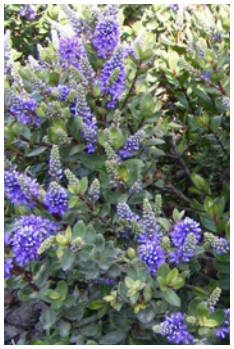
Shrub and hedges in front gardens



Prunus lusitantica



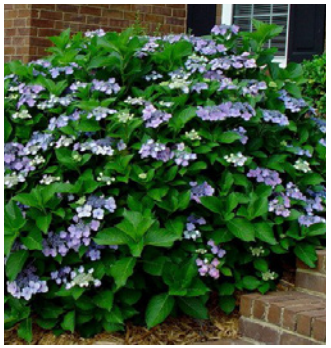
Choisya ternata



Hebe 'Autumn Glory'



Pieris Frost Flame

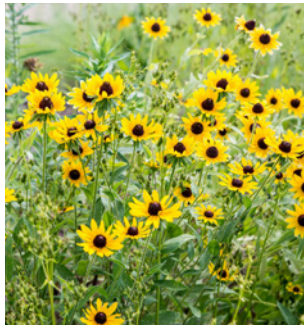


Hydrangea macrophylla

Shrub and perennials within public open space



Lavandula



Rudbeckia



Verbena bonariensis



Geranium



Stachys byzantina

4.2 Planting Design Strategy

Planting is proposed throughout the site with the following objectives in mind:

- Create an attractive, welcoming environment
- Habitat and biodiversity enhancements
- Create seasonal interest and variety
- Be low maintenance and self supporting
- Provide screening and softening to site edges
- Infill gaps within existing vegetation to provide green corridors

The following types of planting are proposed within the site:

TREES

Acer platanoides, Alnus glutinosa, Betula pendula, Carpinus betulus, Tilia cordata, Malus Red Obelisk, Sorbus aucuparia Prunus 'Spire', Amelanchier lamarckii, Pyrus calleryana 'Chanticleer', Malus 'John Downie'

NATIVE HEDGEROW

Crataegus monogyna, Corylus avellana, Ilex aquifolium Acer campestre, Prunus spinosa

WILDLIFE FRIENDLY PLANTS

Lavandula hidcote, Potentilla fruticosa, Sedum spectabile, Stachys byzantine, Verbena bonariensis, Achillea millefolium, Hebe albicans 'Red Edge', Geranium Johnson Blue, Rudbeckia fulgida Goldstrum, Choisya ternata

ORNAMENTAL AND NATIVE HEDGES

Prunus lusitanica, Photinia x fraserii 'Red Robin', Fagus sylvatica-Hedge

WILDFLOWER MEADOW

EM2 General Purpose Meadow

Refer to Section 6: Landscape Character Areas for examples of planting species in specific zones.



4.3 Green Link

The proposed development integrates a strategic Green Link to enhance connectivity between key green infrastructure elements both within the site and in the surrounding landscape. This Green Link forms a continuous ecological and recreational corridor that connects on-site green spaces—such as public open spaces, play areas, and amenity planting zones with adjacent natural habitats, existing woodland, and Public Right of Way routes.

Designed to support biodiversity, improve walkability, and foster a sense of place, the Green Link will include native and wildlife-friendly planting, tree-lined paths, and informal seating areas. It encourages sustainable movement by providing safe, legible routes for pedestrians and cyclists, reducing car dependency and promoting healthy lifestyles.

Green Link serves multiple functions:

Ecological: It enhances habitat connectivity, allowing for the movement of pollinators, birds, and small mammals across the development and into wider ecological networks.

Social and Recreational: It offers residents direct access to green spaces and promotes community interaction through shared outdoor areas.

















4.4 Well-being and Recreation

The POS (Public Open Space) areas within the development will be predominantly green, featuring grassland and large parkland tree species that reflect the surrounding landscape. In addition to their aesthetic appeal, the POS areas will also benefit local wildlife, with a variety of species inhabiting the wildflower meadows and trees, which provide food and shelter for insects and birds.

Community facilities within the POS include:
1. Play areas (LEAP and LAP)
2. An orchard garden
3. A sensory garden
4.Open Lawn
5.Footpath

Orchard Garden
Planted with fruiting and flowering trees, the orchard will foster year-round community engagement—from winter pruning workshops to spring blossom events and summer fruit harvesting.

Play Areas
Positioned within easy reach of homes, the play areas are safe, accessible spaces for children, enhanced by sensory planting.

Sensory Garden
A tranquil space for residents to connect with nature, filled with fragrant, tactile, and pollinator-friendly plants.

Footpath
Footpaths are surfaced with durable, low-maintenance materials and connect key parts of the development and Public Right of Way, encouraging walking and social interaction.

Open Lawn
The open lawn provides a flexible, multi-use green space at the heart of the development. Designed for informal recreation and social gatherings, it offers residents a place to relax, play, and connect with others.

4.5 Sustainable Drainage Systems

The proposed development will introduce a series of Sustainable Drainage Systems (SuDS) features. These will be highly functional, delivering benefits beyond surface water management. In addition to supporting sustainable drainage, the SuDS elements will serve as distinctive landscape features, enhancing visual amenity and promoting biodiversity by attracting a variety of insects, birds, and animals.

The infiltration basin will include marginal planting, riparian-edge wildflowers, and wildflower meadows adapted to damp conditions, helping to create diverse wetland habitats. Planting within the infiltration basin will be coordinated with drier upper areas, which will include a native woodland mix, native hedgerow mix, and wildflower EM2 within the Public Open Space (POS) area.

Proposed infiltration basin

Proposed protection fence (along basin)



MARGINAL ZONE
Wildflower mix N8 is proposed for this zone to create a riparian meadow on slopes with a maximum 1:3 gradient.



UPPER DRY BANK ZONE
Wildflower mix EM2 is proposed for this zone, forming a 1.5–2m buffer between the basin and the adjacent dry area.





WET BASE ZONE
Wildflower mix EM8, suitable for wet soils, is proposed in this zone to accommodate permanently damp conditions and occasional inundation during 1-in-30-year flood events.



LOWER DAMP MARGIN ZONE
Marginal planting is proposed for this zone to provide a diverse species mix and assist in water filtration.





Landscape Masterplan

The landscape masterplan illustrates the proposed green infrastructure and building layout.

KEYS:

1. Main vehicle and pedestrian site entrance
2. Site frontage with retained hedgerows and proposed trees
3. Spine Road Tree lined avenue
4. Infill existing hedge with instant mixed hedgerow
5. Play areas
6. Open Lawn for residents recreational activities
7. The orchard Garden
8. The sensory garden / seating area
9. Wildflower meadow and native planting mixes
10. Proposed provision of pedestrian footpath linking to PRoW
11. Proposed Infilltration Basin with landscaping

6 Landscape Character Areas



Landscape Character Areas

Landscape Character Areas represent the landscape and planting design in specific zones.

The planting palettes provide examples of planting collected for visual illustration, showcasing ideas of form, color, and texture.

The Public Open Space and ecological features contribute to enhancing ecological values and create green infrastructure.

Legends

- Zone 1 Spine Road
- Zone 2 Link Road
- Zone 3 The Courtyard
- Zone 4 The Lane
- Zone 5 The Mews
- Zone 6 Park Frontage
- Zone 7 Green Edge
- Zone 8 Public Open Space

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6.1 Zone 1 Spine Road

Key Planting Zone





Zone 1 Spine Road

The Spine Road area features a formal landscape design. Large flowering and colourful trees are planted along the road, accompanied by evergreen dense-leaves hedges and shrubs, creating a welcoming atmosphere.

The selected plant species contribute to a lush, red- pink green environment while also offering practical benefits for residents, such as increased privacy and noise reduction.

Planting Palette

LARGE TREE



Liquidambar styraciflua 'Worplesdon'

MEDIUM TREE



Pyrus calleryana 'Chanticleer'

MEDIUM TREE



Prunus 'Sunset Boulevard'

SMALL TREE



Prunus Cerasifera 'Nigra'

SMALL TREE



Prunus serrulata 'Kanzan'

EVERGREEN SHRUB



Pieris japonica 'Little Heath'

HEDGE



Photinia x fraserii 'Red Robin'

EVERGREEN SHRUB



Sarcococca humilis

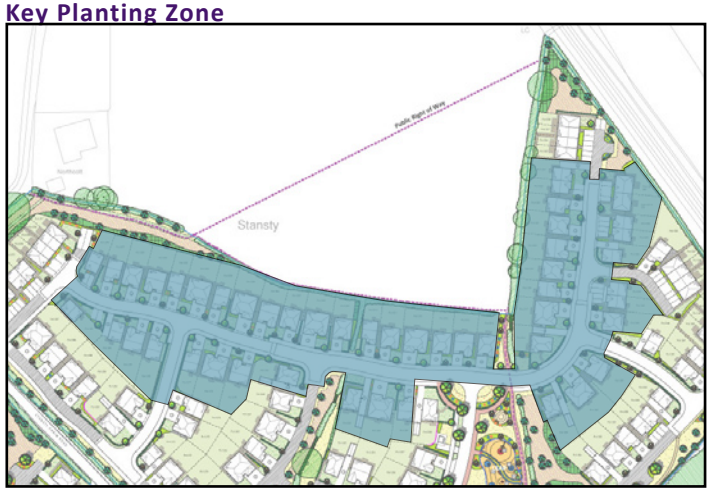
EVERGREEN SHRUB



Leucothoe 'Dark Diamond'

6.2 Zone 2 Link Road

Key Planting Zone





Zone 2 Link Road

The Link Road area features a less formal landscape design, focusing on softening the built environment while enhancing visual interest.

A mix of low-maintenance shrubs lines the road, creating a semi-formal green corridor. Structural trees and evergreen hedges are strategically planted to provide shade and unify the space. This approach creates a visually appealing experience for both pedestrians and motorists.

Planting Palette

MEDIUM TREE



Acer campestre 'Streetwise

MEDIUM TREE



Magnolia grandiflora

MEDIUM TREE



Sorbus 'Joseph Rock'

MEDIUM TREE



Ginkgo biloba 'Fastigiata Blagon'

SMALL TREE



Ilex × aquipernyi Dragon Lady

EVERGREEN SHRUB



Vinca minor 'Atropurpurea'

HEDGE



Prunus lusitanica

EVERGREEN SHRUB



Viburnum tinus 'Eve Price'

EVERGREEN SHRUB



Hebe albicans 'Red Edge'

6.3 Zone 3 Courtyard

Key Planting Zone



Zone 3 Courtyard

The Courtyard area is designed as a semi-private space with a strong emphasis on comfort, usability, and visual appeal. The landscape features a harmonious mix of ornamental planting, including small flowering trees, sculptural shrubs, and hedges that bring colour and interest throughout the year.

Paved pathways, seating areas, and soft lawn spaces are integrated to encourage relaxation and informal gatherings. The planting design creates a sense of enclosure and intimacy, while also enhancing biodiversity and contributing to the overall character of the development.

Planting Palette

SMALL TREE



Prunus 'Spire'

SMALL TREE



Prunus 'Amanogawa'

SMALL TREE



Prunus laurocerasus 'Rotundifolia'

EVERGREEN SHRUB



Hydrangea macrophylla Blue Wave

EVERGREEN SHRUB



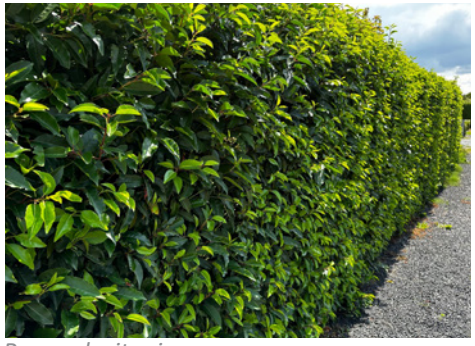
Hebe 'Autumn Glory'

EVERGREEN SHRUB



Viburnum davidii

HEDGE



Prunus lusitanica

EVERGREEN SHRUB



Potentilla fruticosa 'Abbotswood'

EVERGREEN SHRUB



Choisya × dewitteana 'Aztec Pearl'

6.4 Zone 4 The Lane

Key Planting Zone





Zone 4 The Lane

The Lane area features a softer, more informal landscape design. Smaller ornamental trees are planted along the lane, alongside mixed hedges and low-growing shrubs that create a green and intimate setting. The planting design enhances the sense of enclosure and provides seasonal interest through varied textures and colours. Selected plant species support biodiversity while offering practical benefits such as screening, shade, and a pleasant walking experience for residents.

Planting Palette

MEDIUM TREE



Prunus subhirtella 'Autumnalis'

SMALL TREE



Prunus fruticosa Globosa

SMALL TREE



Photinia x fraserii 'Red Robin'(Tree)

EVERGREEN SHRUB



Spiraea nipponica 'Snowmound'

EVERGREEN SHRUB



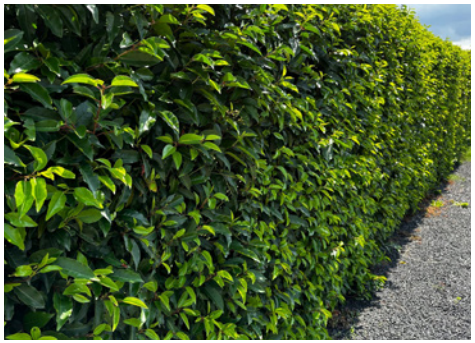
Skimmia japonica 'Rubella'

EVERGREEN SHRUB



Hebe 'White Gem'

HEDGE



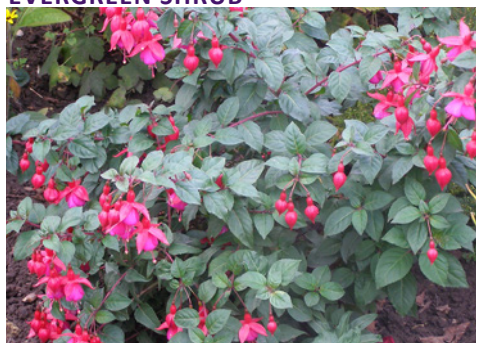
Prunus lusitanica

EVERGREEN SHRUB



Cistus pulverulentus 'Sunset'

EVERGREEN SHRUB



Fuchsia 'Mrs Popple'

6.5 Zone 5 The Mews

Key Planting Zone







The Mews area features a compact and structured landscape design that complements the enclosed character of the space. Decorative paving, small multi stem trees, and hedges define the layout, creating a tidy and attractive setting. Low-maintenance shrubs add colour and texture throughout the year.

The design promotes a sense of privacy and calm, while also enhancing the visual appeal of the residential setting and encouraging informal social interaction among residents.

Planting Palette

SMALL TREE



Magnolia x soulangeana

EVERGREEN SHRUB



Rhododendron ‘Elizabeth’

EVERGREEN SHRUB



Camellia Japonica Red

SEMI EVERGREEN SHRUB



Hydrangea paniculata ‘Little Lime’

EVERGREEN SHRUB



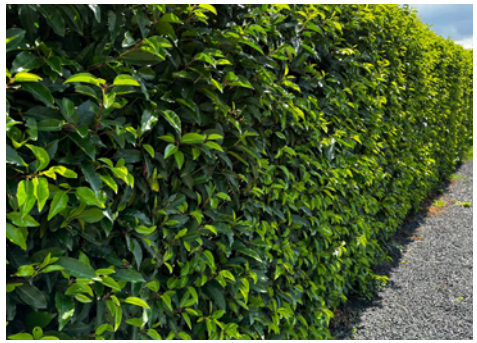
Choisya ternata

EVERGREEN SHRUB



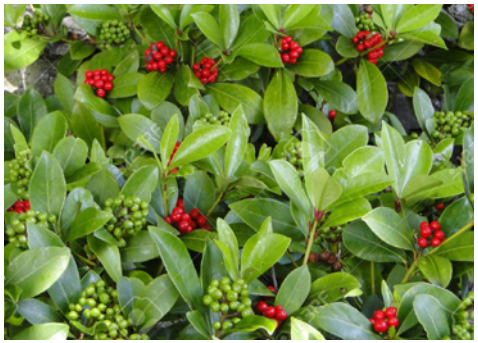
Pittosporum tenuifolium ‘Silver Queen’

HEDGE



Prunus lusitanica

EVERGREEN SHRUB



Aucuba japonica ‘Rozannie’

EVERGREEN SHRUB



Potentilla fruticosa ‘Red Ace’

6.6 Zone 6 Park Frontage

Key Planting Zone



Park Frontage area are designed to blend with the adjacent Public Open Space.
Multi stem, shade-giving trees are planted along the frontage, accompanied by flowering shrubs and grasses that offer seasonal colour and texture. The plant selection enhances the connection between the built environment and the natural surroundings, while also providing privacy and shelter.
This design creates a peaceful and inviting atmosphere, benefiting residents with beautiful views.

Planting Palette

SMALL TREE



Cornus kousa 'China Girl'

SMALL TREE



Cercis canadensis 'Forest Pansy'

EVERGREEN SHRUB



Skimmia confusa 'Kew Green'

EVERGREEN SHRUB



Pyracantha 'Orange Glow'

EVERGREEN SHRUB



Choisya ternata 'Sundance'

EVERGREEN SHRUB



Brachyglottis Dunedin Group

SINGLE NATIVE SPECIE HEDGE



Fagus sylvatica- Hedge

EVERGREEN SHRUB



Pieris 'Forest Flame'

EVERGREEN SHRUB



Hypericum 'Hidcote'

6.7 Zone 7 Green Edge

Key Planting Zone







The Green Edge area adopts a naturalistic and transitional landscape character that softens the boundary between the residential development and the surrounding landscape.

A combination of low evergreen shrubs and ornamental trees provides year-round interest and structure. Neatly edged lawn strips or gravel beds define individual plots. Evergreen hedges mark plot boundaries, supporting a consistent and tidy street frontage.

Planting Palette

SMALL TREE



Magnolia × loebneri 'Leonard Messel'

SMALL TREE



Amelanchier lamarckii

EVERGREEN SHRUB



Pittosporum Tenuifolium Tom Thumb

EVERGREEN SHRUB



Hebe pinguifolia 'Pagei'

EVERGREEN SHRUB



Rosa 'Bonica'

EVERGREEN SHRUB



Sarcococca hookeriana digyna

HEDGE



Prunus lusitanica

EVERGREEN SHRUB



Daphne odora 'Aureomarginata'

EVERGREEN SHRUB



Euonymus White Spire

6.8 Zone 8 Public Open Spaces

Key Planting Zone



The public open spaces are designed as multifunctional green areas that provide visual relief, opportunities for recreation, and enhanced biodiversity within the development.

These spaces feature a mix of open lawns, Native and ornamental tree planting, Orchard Garden, Sensory Gardens and seating areas, creating flexible environments for both passive and active use.

Native and ornamental trees offer shade, seasonal interest, and structure, while generous planting beds with pollinator-friendly perennials and grasses add colour and ecological value.

Play areas are integrated where appropriate, promoting inclusive, child-friendly environments. Planting within the play areas will be designed to be safe and colourful, stimulating children's senses.

The design of the public open spaces supports community well-being and contributes to the distinct, high-quality character of the development. Thus, all planting has been selected to be suitable for all residences.

Planting Palette

NATIVE TREE



Quercus robur

NATIVE TREE



Fagus sylvatica

NATIVE TREE



Acer Campestre

SMALL TREE



Amelanchier robin hill

NATIVE SPECIE



Ilex aquifolium

ORCHARD TREE



Pyrus communis 'Conference'

ORCHARD TREE



Prunus domestica 'King Damson'

NATIVE SPECIE



Rosa canina

NATIVE SPECIE



Corylus avellana

NATIVE SPECIE



Crataegus monogyna

ORCHARD TREE



Prunus avium 'Stalla'

ORCHARD TREE



Prunus domestica 'Victoria'

ORCHARD TREE



Prunus avium 'Stalla'

ORCHARD TREE



Prunus insititia 'Farleigh Damson'

PERENNIAL



Bergenia cordifolia

WILDFLOWER MEADOW



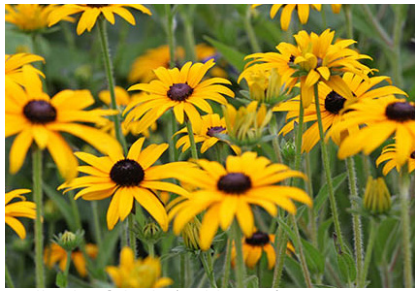
Wildflower- Emorgate EM2

WILDFLOWER MEADOW



Wildflower for wet soil- Emorgate EM8

PERENNIAL



Rudbeckia fulgida 'Goldsturm'

EVERGREEN SHRUB



Lavandula angustifolia 'Hidcote'

EVERGREEN SHRUB



Genista lydia