



LIZARD

Landscape Design and Ecology

WOODPECKER PLC

COLDHARBOUR FARM

Emsworth, Hamshire

Landscape Design Strategy

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1.0 INTRODUCTION

General

- 1.1 Lizard Landscape Design and Ecology has been commissioned by Woodpecker PLC to develop a Landscape Design Strategy for Coldharbour Farm at Emsworth, Hampshire.
- 1.2 The Landscape Design Strategy aims at explaining the design intent and objectives of the proposed landscape scheme as well as providing the outline planting palette and nursery stock specification considered appropriate and beneficial for the proposed scheme.
- 1.3 The design strategy was informed by desk study and a site visit undertaken on the 11th June 2019 to appraise existing features on Site and the surrounding area.
- 1.4 The Landscape Design Strategy for the development at Coldharbour Farm has been prepared by Suzie Lieber CMLI; Senior Landscape Architect at Lizard Landscape Design and Ecology, Worthing.



Legend

- Site Boundary
- Public Rights of Way (Footpath)

Figure 1. Landscape Context





Photograph A - Northern Site Boundary



Photograph B - Western Site Boundary



Photograph C - Southern Site Boundary

2.0 EXISTING SITE INFORMATION

The Site

- 2.1 The Site is an enclosed irregular shaped parcel of land with mature vegetation to the boundaries and throughout. Adjacent to the east of the Site some 20m from the eastern boundary is the Emsworth recreation ground and play area. To the west, some 6m from the western boundary, is a service station associated with the main A27 highway.
- 2.2 There is no current defined access point into the Site, however the proposed vehicular access for the new development is along Coldharbour Farm Road, on the south eastern corner of the Site.

Existing Vegetation

- 2.3 The boundaries of the Site are relatively consistent; they are generally defined with both native hedgerow and tree lines. The northern boundary is dominantly defined by mature hedgerow and tree lines (*see Photograph A*).
- 2.4 The eastern boundary is predominantly defined by hedgerow and tree lines however a dilapidated concrete post and wire fence line reinforces the boundary. Stretches of removed hedgerow are apparent.
- 2.5 The western boundary is similar in form to the eastern boundary with tree, hedgerow and a dilapidated concrete post and wire fence line. The stretches in which are open have been replaced by temporary fencing to provide security and safety from the adjacent A27 and local service station (*See Photograph B*).
- 2.6 The southern boundary is defined by a tree buffer which reduces the visual impact of the A27 Highway (*See Photograph C*).
- 2.7 Located within the Site is an expanse of open semi improved grassland with scattered vegetation of native understory scrub and trees. Areas of the Site has evidence of large vehicular traffic within, of which has torn up the surface.
- 2.8 A dividing tree line with native understory scrub travels from north to south close to the eastern boundary.



Photograph D - A27 carriageway south of the Site



Photograph E - Emsworth Recreation Ground



Photograph F - Playground



Photograph G - Petrol Station



Photograph H - Arable fields to the north of the Site



Photograph I - Tree coverage along the ditch to the east of the Site (SINC)

Surrounding Landscape

- 2.9 The development site is edged by the A27 to the south (**See Photograph D**); Emsworth Park (**See Photograph E and F**) and Coldharbour Farm Road residential development to the east; A27 Services to the west (**See Photograph G**) and agricultural land to the north (**See Photograph H**).
- 2.10 Adjacent to the eastern boundary is a small stream of which is designated by the local planning authority as a Site of Importance for Nature Conservation (SINC) along with the field to the north of the Site. The SINC is to be retained and protected within the development proposals (**See Photograph I**).

3.0 DEVELOPMENT PROPOSAL

- 3.1 The development proposals consist of the construction of 44 no. residential dwellings with associated hard and soft landscape scheme. An extensive flood storage area with re-profiled banks would be located on the eastern section of the site.
- 3.2 The Site access would be provided from the south-eastern corner, through Coldharbour Farm Road.
- 3.3 The proposed scheme seeks to preserve and reuse site features where possible, such as existing mature vegetation and some of the landform.
- 3.4 The Site is allocated for housing within Havant Borough Local Plan (UE37).

4.0 PROPOSED LANDSCAPE SCHEME

Strategic Objectives

- 4.1 The proposed Landscape Design Strategy has been informed by a desk study aiding the development proposals as well as by the Site visit carried out in June 2019.
- 4.2 The primary objective of the proposed Landscape Design Strategy is to enhance the character of the surrounding landscape and enhance biodiversity on and around the Site. This is envisaged to be achieved by:
- Retention of the existing vegetation and ecological features on Site;
 - Reinforcement of the existing vegetation through planting of native shrubs, trees and wildflowers;
 - Supporting local wildlife and connectivity by planting of native and ornamental species offering opportunities for foraging, shelter and habitat creation;
 - Assimilation in the landscape setting and reinforcement of the positive elements of the site through sensitive design of hard and soft landscape features;
 - Minimising potential impact on local wildlife and landscape character by careful and sensitive design of external structures and lighting features;
 - Appropriate internal boundary treatment, providing visual and structural separation between the private properties and securing the flood storage area allowing occasional maintenance access;
 - Landscape design solutions which aid softening and filtering views to and from the adjacent properties and the surrounding landscape.

Layout

- 4.3 The Site is proposed to accommodate 44 no. residential dwellings, including detached, semi-detached and terraced properties.
- 4.4 A single circulation road would allow access through the Site, with pavement running alongside. The pedestrian access into the Site would be from the south-eastern corner, through the existing Pubic Footpath running in a north-south direction to the east of the Site. Three crossing points on the main circulation road would be allocated for safe pedestrian access within the Site.
- 4.5 The four lost parking bays resulting from the construction of the new access road would be replaced within the site, along the main road, at the closest point possible to Coldharbour Farm Road.
- 4.6 The proposed development with its associated landscape scheme will be confined to within the existing boundary vegetation, with reinstated safe boundary fencelines. Stockproof post and rail fence would run along the existing boundary vegetation, whilst an acoustic fence along the southern boundary would reduce the noise of the carriageway. Timber closeboard fencing would be provided between the private gardens, and masonry walls would secure gardens facing public areas. Stockproof post and rail fence would secure the flood storage area, and a gated access at the south-eastern corner would allow for maintenance access.
- 4.7 The acoustic fence would be softened with native wall shrubs and climber plants, and the masonry garden walls would be planted with ornamental climbers. The fence around the flood storage area would be planted with native mixed species hedgerow for visual softening and enhanced biodiversity.





Native trees



Flood storage area



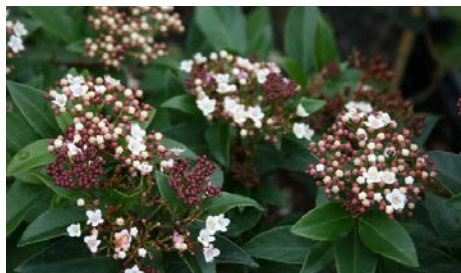
Native mixed-species hedgerow



Formal beech hedge



Native climbers

*Viburnum tinus* 'Eve Price'*Lavandula angustifolia**Rudbeckia fulgida*

Soft Landscape

- 4.8 The emerging soft landscape scheme would assume a multi-level vertical structure offering opportunities for landscape enhancement, growing ornamental plants and delivering wildlife value.
- 4.9 The majority of the external areas would be developed as a species rich ornamental landscape including planting to the front gardens and street planting which would soften the hard surface areas. Compact street trees would further enhance seasonal interest along the main road, as well as providing shade and reducing dust pollution.
- 4.10 Native planting would provide enhanced biodiversity around the site perimeters and at the extensive green space of the flood storage area. Native planting would include trees along the site boundaries, mixed species native hedgerow and tree planting to the flood storage area and species rich native wildflower grassland to the open spaces.
- 4.11 Woody and herbaceous planting would be selected to deliver lasting aesthetic experience and contribute to the ecological connections with the surrounding landscape.
- 4.12 Planting of taller species, including native hedgerow and trees would minimise overlooking to and from the adjacent landscape and would provide further habitat opportunities.

Hard Landscape

- 4.15 The proposed hard landscape scheme comprises the construction of the main carriageway, driveways, footpaths, patio areas, boundary treatments and storage sheds.
- 4.16 The Proposed roads and pedestrian pavements are to be of a tarmac surface treatment with kerb edging where appropriate. The vehicular parking spaces within the scheme are to be of a permeable block paving construction, to accommodate the water management within the scheme.
- 4.17 To the rear gardens, northern and western boundaries, close board fencing is proposed to create separation to the neighbouring dwellings, surrounding landscape as well as allow for new residents to have the sense of privacy. To the flood storage area, a low post and rail stock proof fence line is proposed, with the intention of creating a barrier between residence and the storage area for the purposes of safety.
- 4.18 Proposed bin and bike storage are proposed to the back gardens within the scheme, adjacent to the proposed access points. An acoustic fence line would be located to the southern boundary to mitigate against the noise of the adjacent A27. The Acoustic fence would be of a timber construction, visually softened through soft landscape elements.
- 4.19 For details of the proposed hard landscape layout refer to *LLD1726-LAN-DWG-010 - Illustrative Landscape Masterplan*.

Group	Species Name	Origin	Root Zone	Density	Specification
Trees	<i>Acer campestre</i> (Field maple)	N	RB / C75	Specimen	Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Betula pendula</i> (Silver birch)	N	RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Carpinus betulus</i> (Hornbeam)	N	RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Fagus sylvatica</i> (Common beech)	N	RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Prunus padus</i> (Bird cherry)	N	RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Sorbus aucuparia</i> (Rowan)	N	RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Tilia x eurpaea</i> (Common lime)	N	RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
Street Trees	<i>Acer campestre</i> ‘Elsrijk’		RB / C75	Specimen	Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Acer rubrum</i> ‘October Glory’		RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Carpunus betulus</i> ‘Fastigiata’		RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
	<i>Sorbus aria</i> ‘Lutescens’		RB / C75		Heavy Standard, 12-14 cm girth; 3.5-4.25 m
Mixed Species Native Hedge to Site Boundaries	<i>Carpinus betulus</i> (Hornbeam)	N	BR	5/m	60 - 80 cm height
	<i>Cornus sanguinea</i> (Dogwood)	N	BR	5/m	60 - 80 cm height
	<i>Corylus avellana</i> (Hazel)	N	BR	5/m	60 - 80 cm height
	<i>Crataegus monogyna</i> (Hawthorn)	N	BR	5/m	60 - 80 cm height
	<i>Rosa canina</i> (Dog rose)	N	BR	5/m	60 - 80 cm height
	Hedge planted in double staggered rows, at 400 mm centres, rows set 400 mm apart.				
Native Hedge to Block Terraces	<i>Fagus sylvatica</i> (Common beech)	N	BR/C2	4/m	60 - 90 cm height
	Hedge planted in single row, at 250 mm centres.				
Native Understorey Shrub Planting	<i>Cornus alba</i> (Common dogwood)	N	BR	1/m²	60 - 80 cm height
	<i>Corylus avellana</i> (Hazel)	N	BR	1/m²	60 - 80 cm height
	<i>Crataegus monogyna</i> (Hawthorn)	N	BR	1/m²	60 - 80 cm height
	<i>Lonicera periclymenum</i> (Honeysuckle)	N	C2	1/m²	60 - 80 cm height
	<i>Rosa canina</i> (Dog rose)	N	BR	1/m²	60 - 80 cm height
	<i>Salix cinerea</i> (Grey willow)	N	BR	1/m²	60 - 80 cm height
	<i>Vibunrum opulus</i> (Guelder rose)	N	BR	1/m²	60 - 80 cm height
Ornamental Shrubs	<i>Ceanothus thyrsiflorus</i> var. <i>repens</i>		C5	3/m²	60 - 80 cm
	<i>Cistus x corbariensis</i>		C5	3/m²	60 - 80 cm
	<i>Cornus alternifolia</i> ‘Argentea’		C3	4/m²	20 - 30 cm
	<i>Cornus sanguinea</i> ‘Midwinter Fire’		C3	3/m²	30 - 40 cm
	<i>Hebe albicans</i> ‘Red Edge’		C7	Specimen	60 - 80 cm
	<i>Lysimachia nummularia</i> ‘Aurea’		C3	3/m²	30 - 40 cm
	<i>Lavandula angustifolia</i> ‘Munstead’		C3	4/m²	20 - 30 cm
	<i>Pachysandra terminalis</i>		C3	3/m²	30 - 40 cm
	<i>Phormium cookianum</i> ‘Cream Delight’		C3	3/m²	30 - 40 cm
Herbaceous Perennials	<i>Epimedium x rubrum</i>		C2	7/m²	Full pot, fully rooted, healthy
	<i>Geranium</i> ‘Johnson’s Blue’		C2	7/m²	
	<i>Rudbeckia fulgida</i>		C2	7/m²	
	<i>Sedum spectabile</i> ‘Iceberg’		C2	7/m²	
Ornamental Grasses	<i>Carex morrowii</i> ‘Variegata’		C2	7/m²	Full pot, fully rooted, healthy
	<i>Carex</i> ‘Silver Sceptre’		P9	3/m²	
Climber	<i>Lonicera periclymenum</i> (Honeysuckle)	N	C2	1/m	
Seeding	EM5 ‘Meadow Mix for Loam Soils’ from Emorsgate			4g/m²	
	EM8 ‘Meadow Mix for Wetlands’ from Emorsgate			4g/m²	

- Outline Plant Schedule and Specification
- 4.13

The soft landscape design proposals include native species and species recommended in RHS ‘*Perfect for Pollinators*’.
- 4.14

For details of the proposed soft landscape layout refer to *LLD1726-LAN-DWG-010 - Illustrative Landscape Masterplan*.

- KEY:
- N

Native
- BR

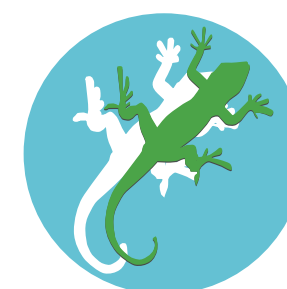
Bare Rooted Stock
- C2/3/5

2/3/5 ltr Container Grown Stock
- B

Bare Root Stock
- RB

Root Balled Stock
- P9

9 cm Square Pot Grown Stock



LIZARD

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