Biodiversity Enhancement Measures

Bonscale Crescent

Report prepared for Lovell

Prepared by Simon Brain. Chartered arboriculturist. PGCE (Bio. Rec.)

Version 1

13.07.2020

1.	**Introduction**		**3**
	1.1	Background to the Project	3
	1.2	Site Location and Context	3
	1.3	Existing ecological reporting and purpose of this report	**3**
	1.3.1	Author Information	3
2.	**Existing ecological interest**		**4**
	2.1	Existing ecological appraisal	4
	2.2	Existing ecological appraisal – opportunities for enhancement	4
3.	**Ecological aims and objectives**		**4**
	3.1	Aim and objectives	4
4.	**Site specific enhanchment measures - Proposals**		**4-5**
	4.1.	Habitat and species measures - site specific proposals	4-5
	4.2	Aftercare	5

Appendix

Appendix 1 Ecological enhancement plan

Appenidx 2 Native tree and shrub listings

1. Introduction

1.1 Background to the project

The client is due to submit for planning permission for the erection living apartments, car parking and associated access. It is considered that the provision of a biodiversity enhancement report shall be required for the planning permission to be enacted. The current planning layout proposal is included in Appendix One along with the proposed ecological enhancements and the habitat plan reproduced from the Preliminary Ecological Appraisal.

1.2 Site Location and Context

The site is located within Langley, Manchester in an urban area. The habitats on site comprises of scattered trees, introduced shrub and amenity grassland.

1.3 Existing ecological reporting and purpose of this report

Section 40 of the Natural Environment and Rural Communities Act 2006 places a statutory duty on all public authorities in England to conserve biodiversity. Therefore, the purpose of this report is to outline the biodiversity enhancement measures proposed for the redevelopment of this site.

1.3.1 Author information

Simon Brain has attained a Post Graduate Certificate in Biological Recording and has attended residential FSC Field Courses for Land mammal identification, Songbird identification, Barn Owls (CIEEM) and Advanced Bird Survey Techniques (Level M) and various bat mitigation and training courses and European workshops. He holds a NE Class 2 bat license (17334-CLS). In addition he is a Chartered arboriculturist.

2. Existing ecological interest

2.1 Existing ecological appraisal

This biodiversity report has identified the following general biodiversity measures that shall apply to the sites re development:

- Fauna, bats. Tree and shrub planting. Artificial roost provision. Suitable lighting provision.
- Fauns, birds. Artificial nesting and tree / shrub planting.
- Boundary features to include native species

3. Ecological aims and objectives

3.1 Aims and objectives

The aim of this plan is to provide a specifications, guidelines and proposals for general and site specific biodiversity enhancements as mentioned in section 2.1. These measures shall be aimed at European protected species and also nationally protected or locally important species. The objective is to maintain the ornamental nature of the existing gardens whilst creating a buffer between the development site and the adajcent nature reserve.

4. Site specific enhanchment measures - Proposals

4.1. Habitat and species measures – site specific proposals

<u>Fauna, bats and birds. Tree and shrub planting. Artificial roost provision.</u>

Tree and shrub planting across the remaining development site areas will consist of native species as provided in appendix 2. The planting shall take place throughout the site.

Hedgerow planting shall be installed as shown in appendix 1 and consist of Crategus monogyna, Prunus spinosa and planted using 90-120cm whips at 20cm intervals. Recommended native tree planting would consist of Acer campestre, Quercus robur, Malus sylvestris and Pyrus pyraster. Suggested shrub species include Spindle, Rhamnus cathartica and Rosa canina.

Breeding bird habitat shall be provided by the use of a single Schwegler generalist bird box (1B) fixed to a tree at 4-5m in height as shown in appendix 1 and 2no. sparrow terrace into plots 35 and 40. 1no. Ibstock swift box shall be installed into the northern facing elevations of plot 26.

Artificial roost provision shall be provided by an enclosed ibstock bat box – installed at 6-8m within the south facing aspect of plot 30 as shown on the ecological enhancement plan in appendix 1.

Measures are taken for hedgehogs to pass through the site

There is a need for holes to be created in garden fences to leave the site free for hedgehog passage. Hole size shall be 15 x 15cm.

4.2 Aftercare

Planting within the development boundary itself will be subject to the statutory after-care period stated in planning permission. This is normally if any planting dies within a three year period it will be replaced.

Appendix 1 Ecological enhancement plan

Appenidx 2 Native tree and shrub listings

Site Area Gross	21329	2.133	5.27
POS	6915	0.69	1.71
Site Area Net	14414	1.441	3.56



REV	DESCRIPTION	DATE	BY
A	New roads C, D and E added	31.10.19	SB

THIS DRAWING IS THE COPYRIGHT OF ANGLLY GOMINON ARCHITECTS, DO NOT SCALE FROM THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY. CHECK ALL DIMENSIONS ON SITE. ANY DISCREPANCIES TO BE NOTIFIED TO THE ARCHITECT. ELEMENTS OF STRUCTURE SHOWN ARE INDICATIVE AND FOR GUIDANCE. FINAL DESIGN TO BE AS STRUCTURAL ENGINEERS DETAILS AND SPECIFICATION.

PROJECT
Bonscale Crescent, Langley for Lovell

DRAWING TITLE
PROPOSED SITE LAYOUT -

Ecological enhancements plan

Ecological enhancement details

- Position of artificial bat habitat within trees (Schwegler generalist)
- Position of artificial bat habitat within property (Ibstock enclosed)
- Position of artificial bird habitat within trees (Schwegler generalist box)
- Position of artificial bird habitat within building (sparrow terrace)
- Position of native hedge planting

Client:
Lovell

Project:
Bonscale

Detail:
Ecological Enhancements

Drawn By:	Date:	Scale:
SB	13.07.2020	NTS

Drg No:	Revision:
TR-01	V1updated

Common name	Latin name
Large shrubs	
Dogwood	*Cornus sanguinea*
Spindle	*Euonymus europaeus*
Sea Buckthorn	*Hippophae rhamnoidies*
Wild privet	*Ligustrum vulgare*
Rhamnus cathartica	*Buckthorn*
Rosa canina	*Dog rose*
Purple willow	*Salix pupurea*
Eared willow	*Salix aurita*
Welsh whitebeam	*Sorbus leptophylla*
	Sorbus minima
Wayfaring tree	*Viburnham lantana*
Guelder rose	*Viburnham opulus*
Medium shrubs	
Broom	*Cytisus scoparia*
Field rose	*Rosa arvensis*
Soft downy rose	*Rosa mollis*
Sweet briar	*Roas rubiginosa*
English whitebeam	*Sorbus anglica*
Gorse	*Ulex europaeus*
Western gorse	*Ulex gallii*
Small shrubs	
Burnet rose	*Rosa pimpinellifolia*
Butchers broom	*Ruscus aculeatus*
Dwarf willow	*Salix herbacea*
Woolly willow	*Salix lantana*
Creeping willow	*Salix repens*

Native tree species list

Common name	Latin name
Field maple	*Acer campestre*
Common alder	*Alnus glutinosa*
Strawberry-tree	*Arbutus unedo*
Silver birch	*Betula pendula*
Downy birch	*Betula pubescens*
Box	*Buxus sempervirens*
Hornbeam	*Carpinus betulus*
Dogwood	*Cornus sanguinea*
Hazel	*Corylus avellana*
Midland hawthorn	*Crataegus laevigata*
Hawthorn	*Crataegus monogyna*
Spindle	*Euonymus europaeus*
Beech	*Fagus sylvatica*
Alder buckthorn	*Frangula alnus*
Common ash	*Fraxinus excelsior*
Sea buckthorn	*Elaeagnus rhamnoides*
Holly	*Ilex aquifolium*
Juniper	*Juniperus communis*
Crab apple	*Malus sylvestris*
Scots pine	*Pinus sylvestris*
Black poplar	*Populus nigra* subsp. *Betulifolia*
Aspen	*Populus tremula*
Wild cherry	*Prunus avium*
Bird cherry	*Prunus padus*
Blackthorn	*Prunus spinosa*
Plymouth pear	*Pryrus cordata*
Sessile oak	*Quercus petraea*
Pedunculate oak	*Quercus robur*
Purging buckthorn	*Rhamnus cathartica*
White willow	*Salix alba*
Goat willow	*Salix caprea*
Grey willow	*Salix cinerea*
Crack willow	*Salix fragilis*
Bay willow	*Salix petandra*
Purple osier	*Salix purpurea*
Almond willow	*Salix triandra*
Common osier	*Salix viminalis*
Elder	*Sambucus nigra*
English whitebeam	*Sorbus anglica*
Common whitebeam	*Sorbus aria*
Arran whitebeam	*Sorbus arranensis*
Rowan	*Sorbus aucuparia*
Bristol whitebeam	*Sorbus bristoliensis*
Devon whitebeam	*Sorbus devoniensis*
Service-tree	*Sorbus domestica*

Native tree species list

Round-leaved whitebeam	*Sorbus eminens*
Irish whitebeam	*Sorbus hibernica*
Lancastrian whitebeam	*Sorbus lancastriensis*
Grey-leaved whitebeam	*Sorbus porrigentiformis*
Arran service-tree	*Sorbus pseudofennica*
Rock whitebeam	*Sorbus rupicola*
Somerset whitebeam	*Sorbus subcuneata*
Wild service-tree	*Sorbus torminalis*
Bloody whitebeam	*Sorbus vexans*
Wilmott’s whitebeam	*Sorbus wilmottiana*
Yew	*Taxus baccata*
Small-leaved lime	*Tilia cordata*
Large-leaved lime	*Tilia platyphyllos*
Wych elm	*Ulmus glabra*
Field elm	*Ulmus minor*