4.2 Ecological Enhancement
The following key recommendations will be adopted along with at least 30% of the additional recommendations.

Key recommendations
1. Amenity grassland within the proposed development will be created using turfs comprising two or three species of typical sown lawns including perennial rye-grass (*Lolium perenne*), smooth meadow-grass (*Poa pratensis*) and red fescue (*Festuca rubra*). The turfs will be oversown with an EL1 flowering lawn mix purchased from Emorsgate (www.wildseed.co.uk) which contains thirteen species and responds well to regular short mowing.
2. Native tree and shrub species have been included within the proposals and will include species such as elder (*Sambucus nigra*), wild privet (*Ligustrum vulgare*), hawthorn *(Crataegus monogyna)*, yew (*Taxus baccata*) and rowan (*Sorbus aucuparia*). Ornamental species which provide good sources of nectar for invertebrates will also be planted including lavender (*Lavandula angustifolia*), thyme *Thymus vulgaris*) and rosemary (*Rosmarinus officinalis*).

Additional recommendations
Removal of non-native invasive plant species
The cotoneaster is listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended). It is illegal to allow this species to 'spread into the wild', and as such it is recommended that they are removed from site as part of the works, or regularly maintained to ensure the species does not spread.
6 Lindsay Carrington Ecological Services Ltd November 2014
Build Energy Ltd
Code for Sustainable Homes Report, Denham Fields, Fair Oak.
Birds
Provision of woodcrete bird boxes on the building or trees will help increase the number of bird species within the site. Boxes such as the following can be erected within the site and can be purchased from websites such as (www.wildcareshop.com):
1B official nest box – can be hung from walls. Suitable for species including great, blue, marsh and coal tit, nuthatch, wren; and house sparrow.
1SP Schwegler bird boxes - can be hung from walls or buildings. Suitable for house sparrows which are on the UK red list of birds undergoing rapid decline. A total of three 1SP bird nest boxes will be installed on the new build on site.
Invertebrates
Provision of dead wood habitat will help increase the number of invertebrate species on site as well as providing habitat for masses, lichens and fungi. This will be provided by burying a wooden 'log' up to one metre below the earth's surface on site.

4.3 Nesting birds
The shrubs onsite provide some opportunities for foraging and nesting birds both for common and widespread species of bird such as blue tit (*Cyanistes caeruleus*) and wren (*Troglodytes troglodytes*) as well as birds listed as amber on the BoCC (Birds of Conservation Concern) list such as dunnock (*Prunella modularis*), and Biodiversity Action Plan (BAP) species such as song thrush (*Turdus philomelos*). The following precautions should negate risk of harming, injuring or contributing to the demise of these species:

All vegetation clearance should be conducted outside of the bird nesting season, which is considered to run from March to September. Where this is not possible a suitably qualified ecologist should check potential nesting habitat immediately prior to clearance. Where nesting birds are encountered clearance must be postponed until the nestlings have fledged.



0 1 2 3 4 5 6m

do not scale, except for planning
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notes

revisions
A: 3.11.14
•Drainage runs indicated
B: 4.11.14
• Surface water drainage run amended to conect into existing gulley at rear of site.
C:13.11.14
• Code for Sustainable Homes notes added
•Issued to Building Control Approved Inspector
D: 11.12.14
• Turning circle added
• Surface water gulleys added in hard landscape

revisions
E: 3.11.14
• New gulley added in drive of No15 and linked into existing surface water sewer

F: 18.12.14
• Ecological Enhancements notes added

north

project
Land adjacent to:
15 Denham Fields
Upper Barn Copse
Fair Oak, SO50 8DB

client
Newham

drawing
Proposed Site Layout Plan

stage
Building Regs

scale
1:100 @ A1

date
October 2014

job no._drwg no._revision
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T2 architects
The Studio
48 Milverton Road
Winchester
SO22 5AP
T 01962 856255
E info@T2architects.com
www.T2architects.com