STRATA HOMES

RESIDENTIAL DEVELOPMENT AT BARNSLEY ROAD, WOMBWELL

WOODLAND MANAGEMENT PLAN

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1.00 INTRODUCTION

This Management Plan sets out the overall objectives for future management operations to be implemented on an area of existing trees and new woodland planting bounding the southern extents of a residential development off Barnsley Road in Wombwell (former Perfecta Bedding site), South Yorkshire.

The operations detailed within the Plan are prescriptive in nature, but do not preclude the need to carry out an annual inspection and review further ongoing requirements to ensure the objectives are met.

This Management Plan shall be read in conjunction with a current tree report prepared for the site by JCA Ltd and FDA Landscape Masterplan R/1213/1C (Appendix B).

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2.00 THE SITE

The residential site lies to the south of Barnsley Road, on the former site of the Perfecta Bedding works, south-east of Barnsley. The areas of existing woodland scrub border the proposed residential development on the southern boundary. To the west is Aldham House Lane. To the eastern boundary is an existing residential development. (Location Plan Appendix A)

Strata Homes require that the site be closed off and any public access into the site be discouraged.

3.00 EXISTING VEGETATION

For a detailed appraisal of the existing tree composition refer to the Tree Report prepared by JCA Ltd.

Essentially, and for the purposes of this Management Plan, the woodland areas can be categorised as a high amenity value stand of young to semi-mature broadleaved, deciduous trees. The principal objective for the management of the vegetation will be to retain it as a visual amenity in the local landscape, supplemented and strengthened by new planting blocks. Species composition is generally native with an occasional introduced exotic, including Norway maple, London plane, hawthorn, elder, alder, birch, rowan, goat willow and robinia. Individually, due largely to the typical growth habit prevalent in establishing woodland situations, the value of single trees as good specimens of their type is not high. Their value is far greater as a collective, where each individual contributes to the overall high amenity value. The general condition of the trees, as noted in the Tree Report, is good or fair, indicating that the areas have not been historically subject to undue pressure or misuse to date.

There will inevitably be an intrinsic wildlife value to the area as a stand of young, establishing semi-natural deciduous broadleaved trees and associated ground flora.

This wildlife value will change over time as the stands mature and as they respond, both as collective and individual specimens to man made influences from the immediate environment and to subsequent management operations.

Due to the fact that public access is to be discouraged and disturbance to any existing fauna (or potential inhabitants) will therefore be lessened, there will be a need to monitor the wildlife value of the site in subsequent walk-overs. The limited size of the area, its proximity to built development and the likely presence of domesticated animals (eg dogs & cats) using the area will inevitably influence its potential as a habitat for fauna. The ecological survey identified no species or habitat of conservation value other than the presence of three breeding pairs of little ringed plover at the time of the report.

4.00 MANAGEMENT OBJECTIVES

4.1 On the basis that public access is to be discouraged and all existing informal access points into the site will be closed off, the Management Objectives have been determined accordingly.

Essentially, the woodland can be managed as a treescape with associated scrub/herbaceous vegetation, where the emphasis is on the amenity value the area contributes to the overall landscape and for its wildlife value.

Due to the relatively young age of the woodland groups, ranging from young to early-mature, combined with the naturalistic appearance of the site and the primary objective of managing it as a natural visual amenity, it is proposed that the trees, in the short term, be allowed to develop with minimal intervention. Thinning and remedial works to tidy up localised damage is deemed to have been carried out as a recommendation of the annual walk-over survey so that the base-line situation is of a site free from rubbish and at the young/early-mature development stage. New light woodland and woodland scrub mix has been planted to complement and extend the existing planting and will be managed as described below.

5.00 MANAGEMENT OPERATIONS

5.1 *0-3 Year Management Operations*

5.1.1 Remove all litter/flytipping two (2) times annually.

5.1.2 Carry out annual surveys (towards the end of the summer) to identify any broken limbs/fallen trees/wind blown or snagged up trees which may need attention. Make any situation safe as required, including removing any potentially dangerous limbs/trees and leaving arisings logged up or piled in suitable locations on site.

5.1.3 Monitor the situation of trees T5, T18, T21, T22 and groups G6, G8, G23 and G27 as described in JCA's Tree Report (March 2011).

All tree work identified as being required to be carried out by qualified and insured tree surgeons to BS3998:1989.

5.1.4 Maintain weed-free area around all new planting areas, check tree stakes, ties an rabbit guards and re-secure as necessary. Remove any dead or dying plant material.

5.1.5 Assess the need for replacement planting.

5.2 *Year 4 Management Operations*

5.2.1 Remove all litter/flytipping two (2) times annually.

5.2.2 Carry out a detailed Tree Survey by a qualified arboriculturist to assess the condition and viability of the tree cover, paying particular attention to any encroachment outwith the boundaries and impacting on the development.

5.2.3 Carry out any recommendations of such a Tree Survey, including any requirement for replacement planting to ensure the continuity of the visual amenity.

5.2.4 Monitor existing trees and tree groups as 5.1.3.

5.2.5 Maintain weed-free area around all new planting areas, check tree stakes, ties an rabbit guards and re-secure as necessary. Remove any dead or dying plant material and assess the need for replacement planting.

5.2.6 Review the Management Objectives in view of any findings from the Tree Survey (and Ecological Survey where undertaken), and provide amended recommendations as required.

5.3 *5-10 Year Management Operations*

5.3.1 Remove all litter/flytipping two (2) times annually.

5.3.2 Assess the understorey and ground flora regeneration and implement clearance of specific areas where identified to increase habitat diversity.

5.3.3 Remove/dismantle any broken limbs/fallen trees and make safe; leave arisings in log/habitat piles in suitable locations on site.

5.3.4 Monitor existing trees and tree groups as 5.1.3.

5.3.5 Maintain weed-free area around all new planting areas, check tree stakes, ties an rabbit guards and re-secure as necessary. Remove any dead or dying plant material

and assess the need for replacement planting.

5.3.6 Carry out an annual walk-over/visual survey and provide an assessment of specific works required for the following twelve (12) months.

5.4 *Year 11*

Review the Management Document if no major amendment has been recorded to date, in conjunction with a detailed survey by a qualified tree surgeon and ecologist, where an Ecology Report is required, and provide an amended Woodland Management Plan.

Appendix A

Aldham House Lane, Barnsley Road, Wombwell

Location Plan



Appendix B



KEY

- T19 — Existing vegetation to be retained. Tree numbers relate to arboricultural survey by JCA Ltd
- T9 — Existing vegetation to be removed. Tree numbers relate to arboricultural survey by JCA Ltd
- Proposed extra heavy standard (14-16cm girth)and heavy standard (12-14cm girth) trees (left to right)
- Proposed selected standard (10-12cm girth) and light standard (6-8cm girth) trees (left to right)
- Proposed Beech hedgerow
- Proposed ornamental, flowering hedge
- Proposed ornamental shrub planting
- Proposed native light woodland planting
- Proposed native scrub planting
- Proposed turf to plot frontages
- Proposed wildflower seed mix
- Proposed block paving detailed by others
- Proposed tarmac detailed by others

NOTES

PROTECTION OF EXISTING VEGETATION

Existing vegetation to be retained on site shall be protected where necessary during works by 2300mm high mesh panel fencing secured to a scaffold tubing framework with flourescent tape to the top rail. Protective fencing shall be erected on the canopy drip line wherever possible. Laminated, waterproof A4 signs shall be fixed to the fence posts at 10m intervals bearing the words 'PROTECTED TREE ZONE - NO STORAGE OR OPERATIONS WITHIN FENCED AREA'.
Tracking of machinery, storage of chemicals and building materials shall not be permitted within the protected area. Leaks or spills should be removed immediately and the contaminated soil replaced. No bonfires shall be lit within 5m of the canopy spread. Any excavation work beneath the canopy spread shall be carried out by hand.
All works affecting trees within the development shall be subject to BS 5837:2005.

TREE PLANTING

Extensive planting of heavy standard and selected standard trees throughout the development will create a structure to the site and an extensive canopy on maturity, breaking up the building line from outside the site. Planting of extra heavy standard trees along the frontage at the entrance to the site and at focal points within the development will give early structure and maturity to the scheme.
Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

Species to be chosen from:

- Amelanchier lamarckii (Al)
- Acer campestre (Ac)
- Acer campestre 'Elsrijk' (AcE)
- Betula pendula (Bp)
- Betula pendula 'Fastigiata' (BpF)
- Fraxinus excelsior (Fe)
- Malus 'Red Profusion' (MRP)
- Malus 'Rudolf' (MR)
- Prunus subhirtella 'Autumnalis Rosea' (Ps)
- Prunus 'Sunset Boulevard' (PSB)
- Sorbus aria 'Majestica' (SaM)
- Sorbus aucuparia (Sau)
- Sorbus 'Embley' (Se)
- Sorbus 'Sheerwater Seedling' (SS)

SHRUB PLANTING

A mix of evergreen and deciduous shrubs will be planted throughout the site to give enclosure and structure to the development.
Medium/large species will be planted against screen fences and walls and medium/low mixes will be planted into front gardens, cul de sacs and around parking areas.

Species to be selected from: ( ) density/m2

Berberis frikartii 'Amstelveen'(5), Berberis thunbergii 'Atropurpurea Nana'(5), Bergenia cordifolia 'Silberlicht'(6), Buddleia davidii 'Lochinch'(2), Ceanothus thrysiflorus repens(4), Chaenomeles superba 'Jet Trail'(4), Cornus alba 'Spaethii'(2), Cornus stolonifera 'Flaviramea'(2), Cotoneaster conspicuus 'Decorus'(6), Cotoneaster lacteus(2), Cytisus 'Allgold'(4), Elaeagnus pungens 'Maculata'(3), Escallonia 'Apple Blossom'(4), Euonymous fortunelii 'Emerald Galety'(6), Euphorbia griffithhii 'Fireglow'(5), Festuca spp(6), Geranium 'Johnson's Blue'(4), Hebe albicans 'Red Edge'(4), Hebe 'Autumn Glory'(4), Hypericum x moserianum(4), Juniperus sabina 'Tamariscifolia' (3), Lavandula 'Hidcote'(6), Lonicera 'Maygreen'(4), Lonicera 'Silver Beauty'(4), Nepeta faasenniі(4), Perovskia 'Blue Spire'(6), Phormium var, Potentilla 'Red Ace'(5), Prunus laurocerasus 'Zabelliana'(3), Pyracantha 'Orange Charmer'(3), Rubus x 'Betty Ashburner'(4), Spiraea 'Gold Flame'(4), Spiraea 'Shirobana'(4), Viburnum tinus 'Eve Price'(3)

HEDGE PLANTING

Planting of Beech and ornamental frowering hedges to frontages in selected areas will create 'character' zones and a sense of place within the development. Hedges will be planted as 60-80 cm hedging plants as specified on the detailed design drawings.

WOODED BUFFER

The area of existing vegetation to the south of the development will be retained and enhanced by planting block of light woodland and scrub mix. Remaining areas of grass will be planted with wildflower seed mix where necessary to reinstate the existing.

LIGHT WOODLAND

Acer campestre	20%
Betula pendula	25%
Corylus avellana	15%
Ilex aquifolium	5%
Malus sylvestris	10%
Sorbus aucuparia	25%

NATIVE SCRUB

Cornus sanguinea	5%
Crataegus monogyna	50%
Ilex aquifolium	5%
Prunus spinosa	20%
Rosa canina	10%
Rosa arvensis	5%
Viburnum opulus	5%

DRAWING TO BE READ IN CONJUNCTION WITH ARBORICULTURAL SURVEY BY JCA LTD AND TREE PROTECTION PLAN R/1213/2

Revision A:	Shrub bed numbers and tree codes added	Jun 2011
Revision B:	Drawing amended to revised site layout	Jun 2011
Revision C:	Minor amendments to tie in with detail drawings	Jun 2011

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project: Residential Development

BARNSLEY ROAD, WOMBWELL

drawing title: LANDSCAPE MASTERPLAN

scale	date	drwn by	drawing no
1:500	Feb 11	SF/CS	R/1213/1c