KEY

- Existing trees to be retained (outside scope of tree survey)
- Existing trees to be retained, with RPA (Included within tree survey report)
- Existing ornamental shrubs to be retained
- Existing boundary hedge to be retained
- Existing trees, hedges and vegetation to be removed.
- Proposed Extra heavy standard (14-16cm girth) tree
- Proposed heavy standard (12-14cm girth) tree
- Proposed standard (8-10cm girth) tree
- Proposed Beech hedging
- Proposed Hornbeam hedging
- Proposed instant mixed native hedge
- Proposed mixed native species shrub planting
- Proposed ornamental shrub planting
- Proposed turf
- Rear gardens
- Proposed species rich grass seed
- Proposed hedge edge wildflower seed mix
- Proposed Bulb planting, top to bottom, Spring Crocus, Autumn Crocus, Wild Daffodil.
- Proposed 1800mm high close boarded timber fencing (detailed by others)
- Proposed post and wire (detailed by others)
- Proposed retaining walls (detailed by others)
- Proposed wildlife habitat boxes (from left to right) - Bat boxes (Habibat Bat Box 001 or equivelant) and Swift boxes (Habibat Swift Boxes, with brick slip facing or equivalent)



NOTES

PROTECTION OF EXISTING VEGETATION

Existing vegetation to be retained on site shall be protected where necessary during works by a tree protective barrier, secured to a scaffold tubing framework with fluorescent 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 5837:2012.

TREE PLANTING

Extensive tree planting will take place across the site. To replace trees that have been removed due to the development and to icrease the vegetation around the boundaries of the site. Where possible trees will be native, with cultavars of native species used within the smaller gardens. The trees will be planted at a range of sizes which include Extra Heavy, Heavy and standard sized trees. Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

Suggested species:

Acer campestre (Ac)	Sorbus aucuparia (Sau)
Betula pendula (Bp)	Sorbus 'Joseph Rock' (SJR)
Carpinus betulus 'Frans Fontaine' (CbFF)	Tilia cordata 'Green Spire' (TcGS)
Prunus padus (Pp)	

SHRUB PLANTING

A mix of evergreen and deciduous shrubs will be planted within the front gardens on site. Plants will be chosen that have a known wildlife values and will inlude flowering and berry producing plants. A mix of medium/low shrubs will be planted to shrub beds with medium/large varieties used against high walls and hedges

Suggested species: ( ) density/m2

Berberis candidula 'Amstelveen (5), Berberis thunbergii 'Atropurpurea Nana' (6), Ceanothus thyrsiflorus repens (5), Choisya ternata 'Sundance' (4), Cotoneaster conspicuus 'Decorus' (4), Cytisus praecox 'Albus' (4), Euonymus fortunei 'Emerald 'n' Gold' (6), Fuchsia 'Mrs Popple' (4), Hebe 'Red Edge' (5), Hebe 'Autumn Glory' (4), Hebe 'Mrs Winder' (4), Hypericum moserianum (5), Lavandula angustifolia 'Hidcote' (6), Lavandula angustifolia 'Munstead' (6), Lonicera pileata (5), Philadelphus 'Manteau d'hermine' (3), Prunus laurocerasus 'Low 'n' Green' (4), Rosa 'Swany' (4), Sarcococca confusa (5), Spiraea japonica 'Goldflame' (4), Viburnum davidii (5).

HEDGE PLANTING

Hedges will be planted in selected plots to strengthen boundaries and improve screening. Ornamental hedge planting will consist of Beech and Hornbeam, which will contribute to all year round colour and texture and provide a valuable wildlife habitat. Hedges are to be planted as a double staggered row of 40-60cm high hedging plants, 5 plants per lin/m.

NATIVE HEDGE PLANTING

A 'Instant' native hedgerow, 140-160cm tall, will be planted to the frontage of plot 1 and along the boundary of the existing house to be retained. The hedgerows will provide a valuable wildlife habitat including foraging opportunities. The native hedge planting will consist of Hawthorn (3nr), Field Maple (1nr) and Hazel (1nr), per 1m length.

SPECIES RICH GRASS AND WILDFLOWER SEEDING

The grass within the protected green space, in the curtilage of plot 1 and the area adjacent to the proposed bin storage area, should be removed and the area re-sown with a species rich lawn grass seed mix, such as Germinal Seeds WFG20 Eco Species Rich Lawn.

A 1m wide strip along the proposed native hedgerow to plot 1 and a 2m wide strip along the native hedgerow to the existing house, is to be sown with a wildflower seed mix such as Emorsgate Seeds EH1- Hedgerow mixture.

BULB PLANTING

A mixture of bulbs are to be planted within the grassed areas at the site entrance. Bulbs will consist of Spring Crocus, Autumn Crocus and Wild Daffodils.

NATIVE SHRUB PLANTING

Two areas of native shrub planting will be provided on site. These areas will help to increase the amount of native species present on site. Planting will include: Hawthorn, Blackthorn, Hazel, Holly, Dog Rose, Guelder Rose and Honeysuckle, planted at 0.75m centres.

ECOLOGICAL NOTES - RECOMMENDATIONS

See Preliminary Ecological Appraisal, January 2020, by Whitcher Wildlife Ltd. for full details.

- Where possible, the boundary hedgerow and existing shrub planting should be retained.
- The existing pond shall be drained during the winter months when amphibians will not be present in the pond.
- Vegetation clearance shall be undertaken between September and February, outside the nesting bird season.
- The proposed development provides opportunities to enhance the biodiversity of the area.
- Three nr bat bricks and 3nr Swift nest boxes should be erected on the proposed buildings.

REV.A: Additional specification added (EW) Sep 20

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SITE OFF BALK FARM COURT, SHEFFIELD ROAD, BIRDWELL

drawing title: LANDSCAPE MASTERPLAN

scale	date	drwn by	drawing no
1:250 @A1	Sep 20	EW	R/2382/1A