



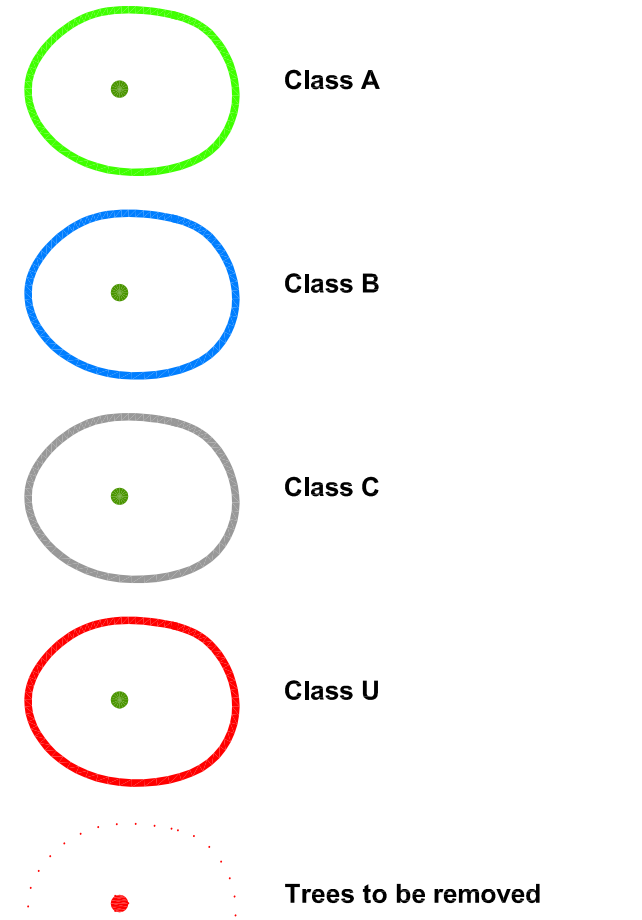
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Notes:

Key to Tree Existing Trees

In accordance with the Arboricultural Impact Assessment, the quality of the existing trees to be retained are indicated as follows:



Tree Removal

In order to prevent disturbance of nesting birds, any hedgerow removal (e.g. to create access) should be carried out outside of the bird nesting season (typically March to August). If this is not possible, any vegetation to be removed should be searched for the presence of active nests immediately prior to clearance. If a nest is found this should be retained in situ until the nestlings have fledged. Similarly, mobilisation of plant should take place outside of the nesting bird season to prevent the disturbance of groundnesting birds. If this is not possible, a survey should be undertaken to identify any active nests on the site, immediately prior to work starting. If a nest is found, works should be delayed until the nestlings have fledged.

P5	14.03.19	Bird box moved. Car share and EV added	NK	GM
P4	14.03.19	Scotter note added. Buffer zone gate added	NK	GM
P3	08.02.19	Amended in line with Planners comments	NK	GM
P2	07.11.18	Redline boundary removed as requested	NK	GM
P1	17.10.18	Cycle parking increased to 180 spaces	MJB	GM

KEY TO LANDSCAPE PROPOSALS

Existing Vegetation

Existing Hedges & Planting Retained

Existing hedges and planting to be retained as part of final development

Hedge & Tree Removal

Although the hedgerows around the site are of limited ecological value, the western boundary does contain some semi-mature native tree species including field maple and hawthorn which are to be retained where possible. The remaining poor quality hedge and trees are to be removed and replaced.

Existing Hedges & Trees to be Removed

Existing hedges and planting to be removed to facilitate construction of new development.

NOTE:

Trees and hedges should not be removed during the bird nesting season (March-August). If this is not possible, then all trees and hedges must be inspected by an Ecologist prior to their removal. If an active nest is identified, the tree or section of hedge must be retained until the young have fledged and left the nest before removal.

Proposed Planting Details & Specification

All areas of new landscaping to have the existing topsoil and subsoil decompacted by hand digging or rotavator. If any imported topsoil is required it should be placed to a depth of 350mm minimum in shrub areas and 200mm in grass areas and comply with BS3882:2007 Specification for Topsoil and Requirements for Use.

Planting should take place during the dormant planting season ie October to March. Indigenous species selected for seasonal interest and biodiversity.

Tree Planting

Standard specimen trees planted in locations indicated as per the following specification.

Excavate tree pit (300mm larger than root ball all round), fork over bottom of pit, plant tree with roots well spread out, backfill with excavated material incorporating compost at 1m³ per 3m² of soil excavated and secured with timber stake and rubber tie.

New Tree Planting (122 no.)

3.5-4.25m high, 12-14 cm girth "Heavy Standards" root balled trees (supplied by Barcham Trees or similar approved) with 1.75-2.0m clear stem to be pit planted including underground guying to secure the tree in an upright position and "root deflection" system near paved areas including bulky organic compost mixed backfill.

Acer campestre (Field Maple) - Ac
Acer platanoides "Crimson King" (Purple Maple) - ApCK
Acer platanoides "Princeton Gold" (Gold Maple) - ApPG
Alnus cordata (Italian Alder) - Ac
Betula pendula (Silver Birch) - Bp
Corylus avellana (Hazel) - Ca
Prunus padus 'Albertyl' (Cherry) - Pp
Prunus sargentii 'Rancho' (Cherry) - Ps
Pyrus calleryana 'Chanticleer' (Flowering Pear) - Pc
Quercus palustris (Pin Oak) - Qp
Quercus robur (English Oak) - Qr
Sorbus aria 'Majestical' - (Whitethorn) - SaM
Sorbus aucuparia 'Sheenwater' (Rowan) - Sa
Tilia cordata 'Green Spire' (Lime) - Tc

Hedge Planting

Plants to be pit planted at densities indicated, to provide a dense, compact hedge buffer around the site boundary as follows:

Cultivate and grade hedging bed, bring top 300mm of soil to a fine tilth, including Enmag fertilizer applied and worked into to 100m, rake and bring to given levels, remove all stones and debris over 50mm, dig planting holes (average 300 x 300 x 300 deep), supply and plant specified shrubs and plants in densities specified, backfill with excavated material as above, water in and mulch with 75mm bark chippings 20-40mm size. Water and weed regularly for 12 months and replace failed plants.

Native Hedge (maintained at 1.2m height)

Hedging to be pit planted in a double staggered row at 0.6m centres, plants to be supplied in as 80-100cm bareroot nursery stock.

65% Crataegus monogyna (Hawthorn)
10% Prunus spinosa (Blackthorn)
10% Acer campestre (Field Maple)
5% Cornus sanguinea (Dogwood)
5% Euonymus europaeus (Spindle)
5% Viburnum opulus (Guedler Rose)

Evergreen Hedge Planting

Plants to be pit planted 4 per m². Planted to provide a low growing swathe of ground cover. All plants to be 3 litre pot grown stock, planted in blocks of the same species as indicated on the drawing.

100% Prunus Laurocerasus 'Otto Luyken' (Laurel)

Climbing Plants to Sprinkler Tank

300mm wide planting bed at the base of close boarded timber perimeter fencing around the sprinkler tank area to be planted with the following climbers and trained to climb over:

Evergreen Climbers

Shrubs to be pit planted 5 per m². Planted to provide cover to the fencing. All plants to be 5 litre pot grown stock, planted in groups of 7, 9 or 13 plants of same species.

35% Lonicera periclymenum (Honeysuckle)
35% Hedera helix 'Glacier' (White variegated)
30% Clematis (Old man's beard)

Shrub Planting

Shrubs to be pit planted at densities indicated, to provide ground cover, low maintenance shrub/flowering plant areas, to the following specification:

Evergreen Ornamental Shrubs

Shrubs to be pit planted 4 per m². Planted to provide low maintenance, colourful, dense low growing shrubs. All plants to be 3 litre pot grown stock, planted in groups of 7, 9 or 13 plants of same species.

20% Euonymus fortunei 'Emerald and Gold'
20% Ceanothus 'Blue Mound'
20% Hypericum 'Hidcote'
20% Spiraea japonica 'Goldflame'
20% Skimmia japonica 'Rubella'

Ground Cover Planting

Plants to be pit planted 4 per m². Planted to provide a low growing swathe of ground cover. All plants to be 3 litre pot grown stock, planted in blocks of the same species as indicated on the drawing.

Hebe 'Red Edge' - Hr
Hebe pinguifolia 'Sutherlandii' - Hp
Pachysandra terminalis - Pt

Externals

Grass

Grass playing fields to be sown with sports field grass mix. Perimeter areas to be species rich grassland with wildflowers to have fewer cuts per annum to allow grass to grow taller and flower throughout the year.

Close Mown Grass Areas

Grass areas to be seeded with amenity grass mix (A19 by Germinal or similar approved) containing a mix of fescue, ryegrass and bent

Sports Pitches

Grass areas to be seeded with sports field mix (A9 by Germinal or similar approved) containing a mix of ryegrass, fescue and smooth stalk meadowgrass

Grassland Wildflower Areas

Grass areas to be seeded with species rich grassland/ wildflower mix (WFG15 Countryside, Schools & Colleges mix by Germinal or similar approved) contains a diverse range of wildflower species from April - September in an 80:20 mix of grasses and native wildflowers including Shepherds Purse, field Poppy and Cornflower. Ideal for educational use for identifying native wildflowers.

Grass Maintenance

General Grass Areas - to be mown regularly throughout the growing season to ensure a low cut sward.

Sports Pitches - to be mown regularly throughout the season to ensure a low cut sward suitable for playing sports

Grassland Wildflower Areas - should not be mown during spring and summer until the wild flowers have seeded.

Fencing

1.8m high security fencing
1.2m high fencing

Playgrounds

The construction of the following paving types are all to Engineers specifications:

External School Yard

External school areas to be tarmac surfaced

Safety Surfacing

Areas of rubber crumb and astro turf surfacing

Biodiversity Enhancement

The following ecological enhancement has been included in the landscaped design as per Ecologist Recommendations (to be read in conjunction with Encon Associates Ecological Report)

2 x Schwegler 1SP sparrow terrace boxes on new buildings, to be located immediately beneath the eaves of the buildings, facing between north and east

2 x Eco Starling Nest Box - recycled plastic weatherproof outer shell protecting a wooden nesting chamber with a 45mm entrance hole, ideal for starlings, who tend to favour higher nest sites so should be placed 2.5m or higher above the ground on the building fixed to the wall with three concealed mounting holes in the back of the box and face between north and east

2 x wooden Kent bat boxes, to be fixed 5-7m high on existing mature trees to face a variety of different directions, and can be located on the same tree or different trees. Ensure a clear 1m drop beneath each box, and do not place boxes where they will be illuminated at night

3 x different bug boxes / log piles of any design, to be located within areas of species rich planting

Plant native hedging containing 6 different species (1,200 liner metres)

Establish areas of species rich meadow within the open grassland (containing 35 species)

Plant new trees within the site boundaries, to be native or of recognized value to wildlife by virtue of fruits and flowers (122 trees)

Rev	Date	Description	Drawn	Checked
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Client

RG Carter /
Cambridgeshire County Council

Project

Buxhall Farm School
Glebe Way
Histon and Impington, Cambridgeshire

Title

Landscape & Biodiversity Plan

Drawing Status

FOR PLANNING APPROVAL

Drawn	MJB	Checked	GM
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Date	08.10.18	Scale (A1)	1:500
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Job Number	Drawing Number	Rev
A3563	07	P5