TWYCROSS

NORTON JUXTA

SPECIFICATION & SCHEDULE

TREES		size
AB	Aesculus 'Baumanii'	14-16cm girth EHS RB
ACS	Acer campestre 'Streetwise'	14-16cm girth EHS RB
BP	Betula pendula	210-240cm ht FTHD POT
FP	Fagus purpurea	14-16cm girth EHS RB
JR	Juglans regia	14-16cm girth EHS RB
MD	Malus domestica 'Howgate Wonder'	12-14cm girth HS RB
ME	Malus 'Everest'	12-14cm girth HS RB
PAP	Prunus avium 'Plena'	14-16cm girth EHS RB
PP	Prunus padus	14-16cm girth EHS RB
PPA	Prunus padus 'Albertii'	14-16cm girth EHS RB
QR	Quercus robur	10-12cm girth SS RB
SBP	Salix babylonica 'Pendula'	14-16cm girth EHS RB
TB	Taxus baccata	1+2 100-125 FTHD
TCS	Tilia cordata 'Streetwise'	14-16cm girth EHS RB
TxE	Tilia x euchlora	14-16cm girth EHS RB

All trees to receive rabbit guards & watering pipes and shall be staked as in the Landscape Specification. The tree should be secured firmly, but not rigidly, to a timber cross bar with an approved pad/tie, ensuring no chafing of bark occurs.

SHRUBS etc		Size(cm)	Rate
AM	Alchemilla mollis	2L POT	7/m²
AXG	Abelia x grandiflora 'Compacta'	3L 60-80	5/m²
BBW	Bergenia 'Bressingham White'	2L POT	7/m²
CES	Ceanothus 'Skylark'	3L 40-60	4/m²
CSK	Cornus sericea 'Kelsyi'	3L 40-60	5/m²
CSP	Cistus 'Silver Pink'	3L 60-80	5/m²
EMG	Euonymus 'Emerald Gaiety'	3L 20-30	4/m²
GR	Geranium 'Rozanne'	2L POT	7/m²
HWG	Hebe 'White Gem'	3L 30-40	4/m²
LH	Lavandula 'Hidcote'	3L 40-60	4/m²
MO	Melissa officinalis	2L POT	7/m²
OB	Osmanthus burkwoodii	3L 40-60	4/m²
POL	Prunus 'Otto Luyken'	3L 40-60	4/m²
ROP	Rosa 'Flower Carpet Pink Splash'	3L POT	4/m²
SJ	Skimmia japonica	3L 40-60	4/m²
SS	Spiraea 'Snowmound'	3L 30-40	4/m²
TV	Thymus vulgaris	2L POT	9/m²
VEP	Viburnum 'Eve Price'	3L 60-80	3/m²

All ornamental shrub areas shall receive 'Melcourt' Composted Fine Bark mulch, or similar, 50mm deep.
Should evidence of rabbits be detected on site, all affected shrub beds are to be surrounded with rabbit-proof fencing minimum 750mm high g-v mesh (buried to a minimum of 300mm deep) on treated stained 75mm dia posts.

BULBS & PLUGS etc			
CBW	Crocus (Blue & White mix)	top size	80/m²
GN	Galanthus nivalis	top size	80/m²
NMH	Narcissus 'Mount Hood'	top size	30/m²
NPS	Narcissus pseudonarcissus	top size	50/m²
PV	Primula vulgaris	plug	9/m²
PVe	Primula veris	plug	7/m²

AQUATIC & MARGINAL PLANTS
To be planted in random groups of 5-15no. by species. Water margin plantings are to be planted at the water margin and below, 5 plants/m².
Underseed margins with EP1 Pond Edge mixture, manufactured by Emorsgate, prepare and sow according to their recommended rates and instructions.
Marginal/emergents (0-500mm deep)
To consist of groups of the following species:
20% Carex pendula
15% Iris pseudocorus
20% Juncus effusis
20% Scirpus lacustris
15% Typha angustifolia
10% Caltha palustris
Submergents (300-1500mm deep)
To be weighted down in pots or baskets and to consist of groups of the following species:
60% Nymphaea alba
40% Stratiotes aloides
Floating Plants
To be placed on the surface of the water and to consist of groups of the following species:
50% Ceratophyllum dermersum
50% Hydrocharis morsus-ranae

GRASS TURFING *(T)*
To be good quality treated meadow turf min 25mm thick (thatch & root) and with a preponderance of fine grasses eg. Rolawn Medallion turf or similar approved, laid to suppliers instructions.
Where existing grass is disturbed to construct kerbings etc marry levels into existing and make good the grass areas by reseeding.
GRASS SEEDING *(S)*
Seed mix areas shall be ProMaster 25 low maintenance mix. All seed mixes manufactured by DLF Seeds Ltd, prepare and sow according to their recommended rates and instructions.
Where existing grass is disturbed to construct kerbings etc marry levels into existing and make good the grass areas by reseeding.
WILDFLOWERS - SHADE (mix 1)
Seed mix for shade tolerant wildflower areas shall be EH1 Hedgerow Mixture, manufactured by Emorsgate, prepare and sow according to their recommended rates and instructions.
WILDFLOWER MEADOW (mix 2)
Seed mix areas shall be EM3 - Special General Purpose Meadow Mixture manufactured by Emorsgate, prepare and sow according to their recommended rates and instructions.
WETLAND WILDFLOWER MEADOW (mix 3)
Seed mix areas for edges to waterways shall be EP1 Pond Edge mixture, manufactured by Emorsgate, prepare and sow according to their recommended rates and instructions.
WILDGRASS MEADOW
Seed mix areas for grass meadows shall be EG1 General Purpose Meadow Grass Mix , manufactured by Emorsgate, prepare and sow according to their recommended rates and instructions.

MIXED NATIVE HEDGE (mnh)
To be planted in a double staggered row of 5 plants per linear metre. Plants to be inserted upright into ground in random groups of 9-15 by species along length of proposed hedge. Secured into the ground with bamboo canes if necessary. Plant into 1m wide biodegradable mulch mat roll. Interplant all proposed native hedges with Hedera at 1 every 10m spacing, and surround with rabbit-proof fencing minimum 750mm high g-v mesh (buried to a minimum of 300mm deep) on treated stained 75mm dia posts.

		Size
Corylus avellana	10%	1+1 60-90 BR
Crataegus laevigata	25%	1+1 60-90 BR
Hedera helix	-	2L POT
Ligustrum vulgare	15%	1+1 60-90 BR
Malus sylvestris	10%	1+1 60-90 BR
Prunus spinosa	15%	1+1 60-90 BR
Rosa arvensis	5%	1+1 60-90 BR
Taxus baccata	10%	1+1 60-90 BR
Viburnum lantana	10%	1+1 60-90 BR

MIXED NATIVE PLANTING (mnp)
To be planted at 1.0m centres in random groups of 5-11 by species except Taxus are to be planted individually at 10m spaces.
Undersow all proposed mixed native plantings with EW1 Woodland wildflower mix manufactured by Emorsgate, prepare the ground and spread seed to their recommendations and rates.
Planting shall consist of the following percentages:

	Size
Betula pendula	10% 1+1 60-90 BR
Crataegus laevigata	10% 1+1 60-90 BR
Pinus sylvestris	10% 1+1 60-90 BR
Prunus avium	5% 1+1 60-90 BR
Prunus spinosa	15% 1+1 60-90 BR
Taxus baccata	10% 1+1 60-90 BR

ORNAMENTAL NATIVE HEDGE PLANTING
To be planted in a single row of 3 plants per linear metre. Stake upright and apply mulch as specified for shrub areas. Should evidence of rabbits be detected on site, all Native Hedges are to be surrounded with rabbit-proof fencing and surround with rabbit-proof fencing minimum 750mm high g-v mesh (buried to a minimum of 300mm deep) on treated stained 75mm dia posts.

	Size
FSH Fagus sylvatica	1+2 90-1200 FTHD BR
FSHh Fagus sylvatica	1+1 30-40 FTHD BR

MIXED NATIVE SHRUB PLANTING (mnsp)
To be planted at 1.5m centres in random groups of 3-5 by species (except Rosa & Lonicera are to be planted individually).
Underplant all proposed mixed native shrub plantings with Hedera helix.
Planting shall consist of the following percentages:

	Size
Cornus sanguinea	20% 1+1 60-90 BR
Corylus avellana	20% 1+1 60-90 BR
Euonymus europaea	10% 1+1 60-90 BR
Hedera helix	3/m² 2L POT
Lonicera periclymenum	2.5% 1+1 60-90 BR
Rosa canina	2.5% 1+1 60-90 BR
Sambucus nigra	15% 1+1 60-90 BR
Viburnum lantana	15% 1+1 60-90 BR
Viburnum opulus	15% 1+1 60-90 BR

Native shrub beds are to be surrounded with rabbit-proof fencing minimum 750mm high g-v mesh (buried to a minimum of 300mm deep) on treated stained 75mm dia posts.

All whips and transplants supplied to site shall be of British provenance. A certificate proving such shall be provided to the Landscape Architect prior to delivery to site. All whips (except those in the Ornamental Native Hedge or in the Mixed Native Shrub Plantings) are to have 'Rainbow Treebio' Biodegradable Spiral guards from Green-tech secured to a bamboo cane, firmly upright. All whips to have clear plastic spiral rabbit guards, secured into ground with bamboo canes.
Pinus and Taxus to have Netlon guards, secured into ground with bamboo canes.

Subsoil in areas for planting shall be ripped to a minimum depth of 300mm prior to application of topsoil.

Roots of all bareroot stock shall be treated with Mycorrhizae Whip Dip to manufacturers instruction. Supplier Burrow Nursery on 01435 862992.

BEE HOTELS
To be Bee Posts from 'Green and Blue' x 2no.

BAT BOXES
Erect 2 x Schwegler 2F bat boxes and 2 x Schwegler 1FD bat boxes no less than 4m above ground level, with a clear flight path, on a mature tree. Locations are to be agreed with the Ecological Clerk of Works.

BIRD BOXES
Erect 3 x Schwegler 1B and 2 x Schwegler 2H nesting boxes in suitable trees on site. These will be sited to face north or south-east so that they are sheltered from prevailing wind, rain and strong sunlight. Where possible, nestboxes to be tilted slightly forwards to increase the shelter to the entrance and sited so that there is a clear flight path into the box. Position the boxes as high as possible in the trees available. The nestboxes are to be attached using screws, securely attached to a hardwood batten at the back of the box. The batten will then be attached to the tree using large-headed aluminium nails to ensure no damage to the tree and will be taken down after three or four years if they are not used and will be re-sited.

LOG PILES/HIBERNACULA
Site in shade with the lowest logs buried a few centimetres into the soil. Cover with grass/turf/wildflowers.



PLOT FENCING:
Fencing dividing plots is to be as keyed in, however, where not on top of a retaining structure each fencing length between plots is to have a 13x13cm hole in the base to permit movement of hedgehogs.
PEDESTRIAN GATES
All pedestrian gates to be made from the same material as their adjacent fencing (unless brick) and to, generally, be the same height.
BOUNDARY FENCING
Retain (and repair if necessary) existing fencing - where there are gaps it is to be Close Boarded timber fencing 1.8m high
DRIVEWAY PAVERS
To be 80mm 'Priora' pavers, Buff coloured, from Marshalls (or other similar Type C pavers). Laid to manufacturer's instructions.
ROAD PAVERS
To be 80mm 'Priora' pavers, Charcoal coloured, from Marshalls (or other similar Type C pavers). Laid to manufacturer's instructions.
SLAB PAVING
To be 450 X 450 'Cotswold' concrete riven slab. Buff coloured. Laid to manufacturer's instructions.
PROTECTION OF EXISTING TREES AND VEGETATION DURING CONSTRUCTION
Avoid damage to branches, trunks and roots of all existing trees. All existing trees and hedges to be retained are subject to BS 5837:2012 and all amendments to date. Protective fencing to be Heras 'ReadyFence' Original Panels 3472mm length x 2000mm height. With concrete footings and support braces as required. To be installed as per BS 5837:2012.
Fencing shall be positioned as shown on the drawing or refer to the Arboriculturist's Tree Protection Plan and shall comply fully with the Arboricultural Method Statement.
NOTES
All new plantings shall be carried out in accordance with the approved details, in accordance with the Landscape Specification (if commissioned) and comply with current Health & Safety and CDM Regulations. They shall be carried out in accordance with the appropriate British Standards for ground preparation, BS 4428 and planted during the first planting season 1st October - 31st March inclusive, following commencement of the development, following the first occupation of any part of the development. Plants shall be true to size and description as outlined in the plant schedules and shall comply with BS 3936.

No trees shall be planted within 5m of paving, drains or services without the installation of a root barrier eg Greenleaf Reroot 600/100 placed between the tree and the services.The Landscape Contractor shall be responsible for acquiring 'as-built' drain and service plans before commencing work on site.

Where existing grass is disturbed it shall be reinstated to match surrounding levels and made good.

Any tree or shrub which, within a period of five years from planting, fails to become established, becomes seriously damaged or diseased, dies or for any reason is removed, shall be replaced in the next planting season by a tree or shrub of the same species as that originally planted or a species, size and maturity, to be approved by the Local Planning Authority.

Locations, positions and dimensions of existing structures, features and vegetation are based on surveys done by others.

BEWARE - Some plants species selected for their ecological value may be harmful to humans and domestic animals.

Do not construct from this drawing.
Do not scale from this drawing

Ecological information from Griffin Ecology Ltd's report April 2022;
Arboricultural information from Aspect Arboriculture's Arboricultural Method Statement dated April 2022;
Drainage information from PRP's drawing 82326-101 P4.

This drawing is to be read in conjunction with ah Landscape Associate Landscape & Habitat Management Plan document

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KEY:

- EXISTING TREE TO BE RETAINED
- EXISTING VEGETATION TO BE RETAINED (All existing vegetation surveyed by others)
- EXISTING TREE OR VEGETATION TO BE REMOVED TO ENABLE DEVELOPMENT
- PROPOSED DECIDUOUS TREE
- PROPOSED YEW TREE (TB)
- PROPOSED ORNAMENTAL SHRUB PLANTING (All ornamental shrub areas to have 50mm soil conditioning mulch applied)
- PROPOSED WATER MARGIN/AQUATIC PLANTS
- PROPOSED ORNAMENTAL NATIVE HEDGE (All ornamental hedges to have 50mm soil conditioning mulch applied)
- PROPOSED MIXED NATIVE HEDGE (mnh)
- PROPOSED MIXED NATIVE SHRUB PLANTINGS
- PROPOSED MIXED NATIVE PLANTINGS
- PROPOSED GRASS SEEDING (S) or TURFING (T)
- PROPOSED BULBS/PLUGS IN GRASS/MEADOW
- PROPOSED WILDFLOWER MEADOW
- PROPOSED WILDGRASS MEADOWS
- PROPOSED BIRD BOX (x5)
- PROPOSED BAT BOX (x3)
- PROPOSED HIBERNACULA/LOG PILE
- PROPOSED BEE HOTELS

(For full details of all Ecological proposals refer to Griffin Ecology Ltd's Ecological Appraisal & Biodiversity Enhancement Strategy dated April 2022)

- PROPOSED BENCH SEAT
- PROPOSED BREEDON GRAVEL PATH (to be 'Golden Amber' coloured and edged in timber)
- PROPOSED DRIVEWAY PAVERS
- PROPOSED ROAD PAVERS
- PROPOSED SLAB PAVING
- EXISTING LEVEL
- PROPOSED LEVEL
- PROPOSED CONTOURS (@ 1.0m intervals)
- PROPOSED FALLS/SLOPE
- PROPOSED TIMBER P&R FENCE 1.2m high
- PROPOSED RETAINING STRUCTURE (refer to Drainage drawing for details)
- PROPOSED WALL 1.5m high brick with 1.8m high piers and automatic gates (refer to Architect's drawing for details)
- PROPOSED CLOSE BOARDED FENCE 1.8m high
- PROPOSED PEDESTRIAN GATE
- PROPOSED TREE PROTECTION FENCING (Refer to Aspect Arboriculture's drawing 11378 TPP 01 for full details)
- APPLICATION BOUNDARY

SUITABLE FOR PLANNING PURPOSES ONLY

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Rev		Drawn	Date
A: Revised to PRP's drawing 110-P7		ajh	06.10.22

title	Preliminary Landscape Proposals
scale	1:500@A1
date	04 May 2022
based on drawing	Hayward's dwg 21/132/02a
	drawn by JWH \| checked by ah
client	Cartwright HOMES
project	Main Street Norton Juxta Twycross
drawing no.	1970_044_PL01
revision	A