



CHURCH AVENUE

NATIVE TREES

<i>Betula pendula</i>	Silver Birch	BP	2	8-10cm rootballed
<i>Prunus padus</i>	Bird Cherry	PP	4	8-10cm rootballed
<i>Sorbus aucuparia</i>	Rowan	SA	10	8-10cm rootballed

TOTAL ORNAMENTAL TREES

<i>Sorbus aucuparia</i> Embley	Rowan	SE	1	10-12cm rootballed
TOTAL SPECIMENS	Key	Number	Specification	

<i>Amelanchier lamarckii</i>	AL	1	90-100cm CG15
<i>Photinia Red Robin</i>	PR	3	90 stem with 40cm dia b (dense uniform ball selected)

<i>Ilex Golden King</i>	IK	2	130cm topiary cone CG2 (dense uniform foliage, Selected)
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<i>Phormium Sundowner</i>	PS	1	60-80cm C10
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TOTAL		7	
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HEDGE: Species rich native mix

5/ linear metre	NBH	48m	240 plants
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Double staggered row			
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Plant name	Common name	% in mix	Number
<i>Crataegus monogyna</i>	Hawthorn	50%	120 40/60cm bare root
<i>Prunus spinosa</i>	Blackthorn	10%	24 40/60cm bare root
<i>Ilex aquifolium</i>	Holly	10%	24 30/40cm in C2 container
<i>Euonymus japonicus</i>	Spindle	10%	24 40/60cm bare root
<i>Corylus avellana</i>	Hazel	5%	12 40/60cm bare root
<i>Rosa canina</i>	Dog Rose	5%	12 40/60cm bare root
<i>Lonicera periclymenum</i>	Honeysuckle	5%	12 30/40cm in C2 container
<i>Sambucus nigra</i>	Elder	5%	12 40/60cm bare root
<i>Viburnum opulus</i>	Guelder Rose	5%	12 40/60cm bare root

NATIVE SCRUB SHRUBS

0.5/ sq.m.	86 sq.m.	44 plants
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Plant name	Common name	% in mix	Number
<i>Cornus sanguinea</i>	Dogwood	20%	9 40/60cm bare root
<i>Corylus avellana</i>	Hazel	20%	9 40/60cm bare root
<i>Crataegus monogyna</i>	Hawthorn	10%	5 40/60cm bare root
<i>Prunus spinosa</i>	Blackthorn	10%	5 40/60cm bare root
<i>Ilex aquifolium</i>	Holly	10%	4 30/40cm in C2 container
<i>Ligustrum vulgare</i>	Privet	10%	4 40/60cm bare root
<i>Rosa canina</i>	Dog Rose	10%	4 40/60cm bare root
<i>Sambucus nigra</i>	Elder	5%	2 40/60cm bare root
<i>Viburnum opulus</i>	Guelder Rose	5%	2 40/60cm bare root

NATIVE TREES IN SCRUB

Plant name	Common name	Key	Number
<i>Acer campestre</i>	Field Maple	ac	10 60-90cm bare root
<i>Betula pendula</i>	Silver Birch	bp	1 60-90cm bare root
<i>Corylus avellana</i>	Hazel	ca	10 60-90cm bare root
<i>Prunus padus</i>	Bird Cherry	pa	2 60-90cm bare root
<i>Sorbus aucuparia</i>	Rowan	sa	2 60-90cm bare root

ORNAMENTAL HEDGE

4/ linear metre single row for CS	10m	40 plants
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Plant name	Common name	Key	Number
<i>Prunus lusitanica</i>	Portuguese Laurel	PLH	40 45/60cm in C5 bushy

NATIVE BULBS

<i>Crocus Blue/ White mix</i>	Crocus	C	500 As shown
<i>Narcissus pseudonarcissus</i>	Daffodil	N	500 As shown

ORNAMENTAL SHRUBS/ PERENNIALS

Agapanthus Blue Umbrella	Abu	20-35cm	C2	5
Bergenia cordifolia	Bc	20-30cm	C2	4
Euonymus Emerald Gaiety	Ee	20-35cm	C2	3
Ceanothus Puget Blue	Cpb	20-30cm	C2	3
Choisya Sundance	Cs	20-35cm	C5	3
Cornus alba elegantissima	Ce	40-60cm	C2	2
Geranium Johnsons Blue	Gp	20-30cm	C2	5
Hebe Blue Gem	Hb	20-30cm	C5	4
Hebe Autumn Glory	Ha	20-30cm	C5	4
Hebe Sutherlandii	Hs	20-30cm	C5	4
Hebe Ruby Port	Hp	20-30cm	C5	4
Heuchera Palace Purple	He	20-35cm	C2	4
Hydrangea Vanilla Fraise	Hy	40-60cm	C2	2
Lonicera pileata Maigreen	Lm	30-45cm	C2	2
Pennisetum Little Bunny	Plb	20-35cm	C2	5
Pennisetum rubrum	Pru	20-35cm	C2	5
Potentilla Lovely Pink	Pp	20-35cm	C2	4
Potentilla Elizabeth	Pe	20-35cm	C2	4
Rosemary prostratus	Rp	20-30cm	C2	4
Rudbeckia 'Goldstrum'	Rgo	20-30cm	C2	5
Sedum Autumn Glory	Sa	20-30cm	C2	5
Senecio sunshine	Ss	20-30cm	C2	3
Skimmia rubella	Sr	20-30cm	C2	3
Stipa Pony tails	Spt	20-35cm	C2	5
Vinca minor Atropurpurea	Vm	15-20cm	C2	5

Native scrub shrubs to enhance the BNG with native trees

Conifer hedge retained and protected to maintain the natural screen to the boundary

Tall specimen shrubs add height to the garden display where there is insufficient space for trees

Narrow canopy trees extend the existing tree group to define the boundary without impeding access for vehicles

Native scrub shrubs to enhance the BNG with native trees

Existing trees retained and protected during the Construction Phase

1.2m wide 1m high post and rail gate for maintenance access to BNG habitat

Shade tolerant species-rich modified grassland beneath the retained trees adds to the wildlife interest and biodiversity.

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Feature bed at the entrance with shrubs and perennials and arc of taller specimen shrubs

Shade tolerant Portuguese Laurel hedge combines with the feature wall to complete the enclosure the frontage providing privacy Maintained at 60cm high within junction sightlines

Low groundcover in front of the hedge add to the high quality landscape frontage

Existing trees retained and protected

Species-rich native hedgerow to the boundary of each plot creates a natural enclosure and linear habitat for wildlife enriching the local habitat. Post and rail fence 1.5m high

Small canopy native trees to rear gardens enhances the local biodiversity and compensates for the trees cleared to accommodate the housing.

Native scrub shrubs to enhance the BNG with native trees

Native hedgerow includes shade tolerant Hazel and evergreen Holly suitable for beneath trees

Metres



LANDSCAPE SPECIFICATION

TOPSOIL CULTIVATION In accordance with BS 3882. Apply glyphosate herbicide prior cultivation and allow the recommended period before further action. Ensure ground is free draining by breaking up subsoil and installation of land drainage as required. Do not work the soil in frozen or waterlogged condition. Remove any debris and stones greater than 50mm from surface and cultivate to suitable tilth for planting. Rake surface to achieve required level flush with adjacent paving for turf and 50mm below for planting to allow for mulch layer and smooth flowing contours for open space areas without hollows or soft areas. Topsoil depths to be minimum 150mm for grass and 450mm for planting and at least 300mm of suitable subsoil beneath the topsoil layer. Site topsoil to be supplemented with imported topsoil in accordance with BS 3882. Shrub beds in grass areas to be neatly cut to layout shown.

PLANTING Plant material shall conform to the National Plant Specification and be healthy, vigorous specimens, well rooted but not pot bound, free from pests and disease, hardy and undamaged by transport operations in accordance with HTA 'handling and establishing landscape plants'. Planting and turfing to be in accordance with BS 3936 and 4428. Plant species substitutes will be permitted to accommodate availability and to include stock of particular good quality in nursery provided these are of a similar habit, size, colour, value etc and that they are **approved in advance** by the Landscape Architect. Native species to be local provenance. Bare root and rootballed plants to be planted between November and March. Backfill of planting holes and tree pits to be excavated topsoil with 25% by volume tree and shrub planting compost. Shrub pits to be generally 300 x 300 x 300mm or 75mm wider and deeper than the root spread. Tree pits to be 900 x 900 x 600mm or 150mm wider than the root spread. Stakes to be two 75mm diameter pointed stakes driven until firm and trimmed to 900mm above G.L. with 50 x 100mm crossbar screwed to stakes. Rubber tree cushion nailed to crossbar and rubber tree belting nailed to secure tree. Single 75mm diameter stake for bare-rooted trees with rubber tree belting with spacer. Apply slow release fertiliser (16:10:10) at rate of 100g/ sq.m. to planting areas and 250g per tree. Thoroughly water planting.

PLANTING DENSITIES/ SETTING OUT Refer to the Planting Schedule for densities. Where a bed is indicated as mixed species on the plan, the area should be divided equally between the species shown and the relevant density for that species applied to that proportion of the bed. Taller species to the rear of the bed and smaller species to the front planted in bold groups of single species and not mixtures unless clearly requested on the plan annotations.

TREE RABBIT GUARDS If rabbit activity is noted in the area and guarding is authorised each bare-rooted native plant hedge plant to receive a 12/14 weight 900mm cane and 60cm clear spiral guard. Trees to receive 90cm spiral guard. If extensive rabbit activity is observed rabbit fencing to ornamental areas will be required as directed by the Landscape Architect.

MULCH Spread 50mm layer of general purpose bark mulch, free from large sticks, and debris over all shrub areas, 800mm wide strips for hedging and 800mm diameter circles for tree pits in grass with neatly trimmed edge.

TURFING Following cultivation preparation specified above supply and lay Rolawn Hallstone turf or similar approved with staggered joints close butted to uniform levels to finish 25mm above adjacent paving levels once well tamped down. Use sharp sand spread on surface to achieve fine tuning of levels. Thoroughly soak turf on completion and ensure regular watering is arranged until the turf has rooted. Do not turf in waterlogged or frozen conditions.

SEEDING AMENITY GRASS Following cultivation preparation specified above apply Bost on Seeds Low maintenance amenity mix or similar approved at a rate of 35gms/ sq.m. and roll with quad or hand drawn ballast grass roller. Apply water with sprinkler hose in dry conditions to ensure germination. Levels to be flush with adjacent paving following firming and settlement of topsoil. Further stone-picking, top-dressing and re-seeding of bare patches to ensure uniform, level grass is established. Re-roll as required at first cut stage.

SEEDING WILDFLOWER GRASS Prepare as for amenity grass and sow 3-5 g/ sq.m. of mix BS7M to hedge margins and BS8M to shady areas beneath retained trees supplied by Boston Seeds and applied in accordance with their recommendations.

Rev F 23 03 26 Paved surface materials specified for Planning Condition 7
Rev E 09 01 26 Fence added to rear gardens to enclose BNG area BW
Rev D 09 01 26 Fence and gate added to enclose BNG habitat area BW
Rev C 08 10 25 Revised layout BW
Rev B 24 06 25 Response to Ecology comments- BNG enhancement BW
Rev A 04 06 25 Retained trees shown from Tree Survey Report
Proposed trees relocated to avoid the proposed Surface Water drains BW

Westwood
LANDSCAPE DESIGN

CHARTERED LANDSCAPE ARCHITECTS

J C BRENNAN DEVELOPMENTS LTD

CHURCH AVENUE MIDDLETON

LANDSCAPE PLAN

DATE: 19.05.25 DRAWING NUMBER: WW/L01F

SCALE: AS SHOWN @ A2