

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 till for planting. Rate 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 operators in accordance with HTA 'handling and establishing landscape plants'. Planting and turling to be in accordance with BS 3536 and 4228. Plant species substitutes will be permitted to accommodate availability and to include stock of particular good quality in nursery provided there 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 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 plants to be 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 600mm clear spiral guard. Trees to receive 80cm 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 HaloStar 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 Boscini Seeds BS Slow Grow and Wildflower Companion mix or similar approved at a rate of 30gms/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. Preparation as for amenity grass followed by sowing Boston Seeds mixes at 5 gms/sq.m. in accordance with suppliers recommendations between March and September and roll. Mix BS6M for margins of pond and wetland areas. BS7M alongside the native hedges, BS8M for the woodland margin and under-seeding to the woodland planting and BS1M for the open meadow areas and road path margins. Seeding species to disturbed soil and re-graded areas only with existing vegetation being retained wherever possible to protect the existing habitats. Existing natural and native areas to be cut and mowed off in accordance with the landscape management for wildflower meadow grass. Cut 50% of the area in year 1 and 50% in year 2 to reduce the disturbance of wildlife.

LANDSCAPE MAINTENANCE. Any plants which fall within 5 years to be replaced in the season following failure to the original specification. Check and adjust stakes and ties every month, and remove stakes in year 5 when trees are suitably stable. Prune trees and shrubs once each year - formative prune to encourage good habit. Apply fertiliser once in Spring each year to grass 40gms/sq.m. Apply fertiliser once in Spring each year to shrubs 20gms/sq.m. Democore stakes to be topped up bark mulch to 50mm depth annually. Check for pests and diseases - treat as required. Water as required all landscape areas. Mow grass 16 times annually and remove clippings, trim edges. Apply selective herbicide and moss killer as required. Re-seed, top dress and aerate lawns as required to maintain grass in good condition. Cut and rake of wildflower grass twice annually. Collect litter from all landscape areas monthly. Apply Glyphosate herbicide to hard paved areas as required.

LEGEND

- Existing tree
 - Existing hedge
 - Existing woodland
 - Existing scrub
 - Existing native flora
 - Proposed hedge
 - Proposed tree
 - Specimen shrub
 - Proposed grass
 - Proposed shrubs
 - Wild flower grass
 - Proposed native marginals
 - Proposed native woodland (Mix 1)
 - Proposed native woodland margin (Mix 2)
 - Proposed wildlife pond
(Area regraded to create level perimeter. Max depth 90cm)
 - Proposed localised mounding
(Formed with subsoil to maximum 1m above G.L.)
 - Proposed informal wildlife walk path
(400mm route with option for jogging/bike trail)
- Species rich native woodland margin planting to protect and extend the existing woodland habitat. Wildflower grass seedling beneath to further enhance the local biodiversity.
- Native Holly hedge to create some enclosure to the 6 smaller units with flowering Cherry trees flanking the entrance.
- Groups of native trees provide some natural screening of the units to views from the south-west. Grass area with Daffodils for Spring display.
- Wildflower grass seedling to the re-graded embankment to diversify the local habitat.
- Native woodland floor bulb and plug planting in informal groups.
- Feature planting as a focal point at the profile entrance area with an arc of emergent specimens.
- Shade tolerant evergreen shrubs against the upstanding section of the retaining wall.
- Flowering shrubs and Whitebeam trees flank the exit area and provide some enclosure to the parking area.
- Native tree planting to supplement existing woodland trees with shrub and ground flora layers.
- Formal layout of contemporary timber planters flanks the reception entrance with boxy Yew cones and trailing scented Rosemary. High quality paving to entrance area. Informal seating on planters.
- Sunny aspect seating for staff recreation area partially enclosed by planters. Option for more seating.
- Paved area for product display and potentially additional staff seating for recreational breaks.
- Low flowering shrubs creates enclosure for the car park and adds year-round colour interest.
- Existing remnants of hedgehog with occasional trees to receive infill planting to restore boundary.
- Cherry tree provide an early blossom display and enhances the local biodiversity.
- Native infill planting to former hedge remnants mitigates for loss of hedge for entrance formation.
- Mounding and reprofiling groundworks to be beyond the RPA's of the trees.
- Native woodland planting to extend the natural infrastructure and habitat.
- Wildflower grass seedling to all re-graded areas with pond marginals within 5m of the pond.
- Wildlife pond generally 50cm average depth with 25% of area to 90cm deep. Adds a new habitat.
- Native species emergent plants add wildlife and colour interest in views from the offices and walkers on the informal route around the grounds.
- Native woodland with informal tree groups on a low mound to 1m maximum height to form pond hollow. Natural screen helps to integrate the development with its landscape setting.
- Species rich native hedge to define the southern boundary and complete the site enclosure and connect with the existing hedges.
- Native species trees provide some natural screening to the development to reduce the potential landscape and visual impact.
- Eastment for overhead electricity cables with wildflower grass seedling to re-graded areas.
- Mown grass verge with band of daffodils to rear 80cm for early Spring flower display.

Species rich native woodland margin planting to protect and extend the existing woodland habitat. Wildflower grass seedling beneath to further enhance the local biodiversity.

Native Holly hedge to create some enclosure to the 6 smaller units with flowering Cherry trees flanking the entrance.

Groups of native trees provide some natural screening of the units to views from the south-west. Grass area with Daffodils for Spring display.

Wildflower grass seedling to the re-graded embankment to diversify the local habitat.

Native woodland floor bulb and plug planting in informal groups.

Feature planting as a focal point at the profile entrance area with an arc of emergent specimens.

Shade tolerant evergreen shrubs against the upstanding section of the retaining wall.

Flowering shrubs and Whitebeam trees flank the exit area and provide some enclosure to the parking area.

Native tree planting to supplement existing woodland trees with shrub and ground flora layers.

Formal layout of contemporary timber planters flanks the reception entrance with boxy Yew cones and trailing scented Rosemary. High quality paving to entrance area. Informal seating on planters.

Sunny aspect seating for staff recreation area partially enclosed by planters. Option for more seating.

Paved area for product display and potentially additional staff seating for recreational breaks.

Low flowering shrubs creates enclosure for the car park and adds year-round colour interest.

Existing remnants of hedgehog with occasional trees to receive infill planting to restore boundary.

Cherry tree provide an early blossom display and enhances the local biodiversity.

Native infill planting to former hedge remnants mitigates for loss of hedge for entrance formation.

Mounding and reprofiling groundworks to be beyond the RPA's of the trees.

Native woodland planting to extend the natural infrastructure and habitat.

Wildflower grass seedling to all re-graded areas with pond marginals within 5m of the pond.

Wildlife pond generally 50cm average depth with 25% of area to 90cm deep. Adds a new habitat.

Native species emergent plants add wildlife and colour interest in views from the offices and walkers on the informal route around the grounds.

Native woodland with informal tree groups on a low mound to 1m maximum height to form pond hollow. Natural screen helps to integrate the development with its landscape setting.

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MIX 1 (Woodland)				
Plant name	Common name	% in mix	2500 stems/ Ha	0.35/ sq. m.
<i>Quercus petraea</i>	Sessile Oak	0.16	40600m bare root	
<i>Corylus avellana</i>	Hazel	0.20	40600m bare root	
<i>Betula pendula</i>	Silver Birch	0.10	40600m bare root	
<i>Sorbus aucuparia</i>	Rosale	0.10	40600m bare root	
<i>Ilex aquifolium</i>	Holly	0.10	30400m in C2 container	
<i>Pinus sylvestris</i>	Scots Pine	0.04	30400m in C2 container	
<i>Cotoneaster monogyna</i>	Hawthorn	0.04	40600m bare root	
<i>Acer platanoides</i>	Norway Maple	0.04	40600m bare root	
<i>Populus tremula</i>	Aspen	0.04	40600m bare root	
<i>Prunus padus</i>	Bird Cherry	0.04	40600m bare root	
<i>Prunus avium</i>	Gean	0.04	40600m bare root	
<i>Fagus sylvatica</i>	Beech	0.02	40600m bare root	
<i>Sorbus aria</i>	Whitebeam	0.02	40600m bare root	
<i>Tilia cordata</i>	Small Leaved Lime	0.02	40600m bare root	
<i>Ulmus glabra</i>	Wych Elm	0.02	40600m bare root	
<i>Viburnum opulus</i>	Gaulder Rose	0.02	40600m bare root	
Total		1.00		

MIX 2 (Woodland Edge)				
Plant name	Common name	% in mix	5000 stems/ Ha	0.5/ sq. m.
<i>Cotoneaster monogyna</i>	Hawthorn	0.20	40600m bare root	
<i>Corylus avellana</i>	Hazel	0.20	40600m bare root	
<i>Prunus spinosa</i>	Blackthorn	0.10	40600m bare root	
<i>Sorbus aucuparia</i>	Rosale	0.10	40600m bare root	
<i>Ilex aquifolium</i>	Holly	0.10	30400m in C2 container	
<i>Acer campestre</i>	Field Maple	0.08	40600m bare root	
<i>Prunus padus</i>	Bird Cherry	0.05	40600m bare root	
<i>Sambucus nigra</i>	Elder	0.05	40600m bare root	
<i>Ulmus glabra</i>	Wych Elm	0.03	40600m bare root	
<i>Viburnum opulus</i>	Gaulder Rose	0.03	40600m bare root	
<i>Malus sylvestris</i>	Crab Apple	0.02	40600m bare root	
<i>Rosa canina</i>	Dog Rose	0.02	40600m bare root	
<i>Taxus baccata</i>	Yew	0.02	30400m in C2 container	
<i>Cytisus scoparius</i>	Broom	0.02	30400m in C2 container	
<i>Malus sylvestris</i>	Crab Apple	0.02	40600m bare root	
Total		1.00		

HEDGES			
Plant name	Common name	% in mix	Key
<i>Ilex aquifolium</i>	Holly	50/ linear metre	IM
<i>Ligustrum ovalifolium Aureum</i>	Golden Privet	50/ linear metre	LOH
HEDGE: Species rich native mix			
Plant name	Common name	% in mix	NBH

Plant name	Common name	% in mix	2500 stems/ Ha	0.35/ sq. m.
<i>Cotoneaster monogyna</i>	Hawthorn	0.60	40600m bare root	
<i>Prunus spinosa</i>	Blackthorn	0.10	40600m bare root	
<i>Ilex aquifolium</i>	Holly	0.10	30400m in C2 container	
<i>Corylus avellana</i>	Hazel	0.05	40600m bare root	
<i>Rosa canina</i>	Dog Rose	0.05	40600m bare root	
<i>Lonicera periclymenum</i>	Honeysuckle	0.02	30400m in C2 container	
<i>Sambucus nigra</i>	Elder	0.02	40600m bare root	
<i>Viburnum opulus</i>	Gaulder Rose	0.02	40600m bare root	
<i>Prunus padus</i>	Bird Cherry	0.02	40600m bare root	
<i>Acer campestre</i>	Field Maple	0.02	40600m bare root	
<i>Malus sylvestris</i>	Crab Apple	0.02	40600m bare root	
Total		1.00		

BULBS			
<i>Hyacinthoides non-scripta</i>	Blue Bells	BB	6/8 bulbs 20/ sq. m.
<i>Galanthus nivalis</i>	Snow Drops	SD	5/8 bulbs 20/ sq. m.
<i>Narcissus pseudonarcissus</i>	Daffodil	N	10/12 bulbs 15/ sq. m.

WOODLAND FLOOR PERENNIALS			
<i>Anemone nemorosa</i>		AN	9 cm plugs 8/ sq. m.

POND MARGINALS			
<i>Filipendula ulmaria</i>	Meadowsweet	20%	9 cm plugs 8/ sq. m.
<i>Hypericum perforatum</i>	Yellow Flag Iris	60%	9 cm plugs 8/ sq. m.
<i>Calluna palustris</i>	Marsh Marigold	20%	9 cm plugs 8/ sq. m.

TREES				
<i>Alnus glutinosa</i>	Alder	AG	2.2.5m bare root	
<i>Quercus petraea</i>	Sessile Oak	QP	2.2.5m bare root	
<i>Betula pendula</i>	Silver Birch	BP	2.2.5m bare root	
<i>Sorbus aucuparia</i>	Rosale	SA	2.2.5m bare root	
<i>Pinus sylvestris</i>	Scots Pine	PS	40.00m C1	
<i>Cotoneaster monogyna</i>	Hawthorn	CM	2.2.5m bare root	
<i>Prunus padus</i>	Bird Cherry	PP	2.2.5m bare root	
<i>Prunus avium</i>	Gean	PA	2.2.5m bare root	
<i>Fagus sylvatica</i>	Beech	FS	8.10m bare root	
<i>Acer platanoides</i>	Norway Maple	AP	8.10m bare root	
<i>Sorbus aria</i>	Whitebeam	SAR	8.10m bare root	
<i>Tilia cordata</i>	Small Leaved Lime	TC	8.10m bare root	
ORNAMENTAL TREES				
<i>Prunus Pink Perfection</i>		PPP	8.10m bare root	

SPECIMEN SHRUBS				
<i>Amelanchier lamarckii</i>		AL	C15	
<i>Syringa vulgaris</i>		SV	C15	
<i>Prunum Sundowner</i>		PS	C15	
<i>Prunum Yellow Wave</i>		PY	C15	
<i>Photinia Red Robin</i>		PR	C15	
<i>Taxus baccata</i>		TB	1.2m topiary cones C25	

SHRUBS			No./ sq. m.	Specification
<i>Bergenia cordifolia</i>		BC	5	42.20.30cm
<i>Cornus alba Elegantissima</i>		CA	3	42.20.30cm
<i>Cotoneaster dammeri</i>		CD	4	42.20.30cm
<i>Cistus Silver Pink</i>		CS	3	42.20.30cm
<i>Cytisus praecox All Gold</i>		CP	3	42.20.30cm
<i>Eucalyptus Emerald Gaiety</i>		EG	4	42.20.30cm
<i>Ericaria Red Elf</i>		ER	3	42.20.30cm
<i>Geranium Johnsons Blue</i>		GJ	6	42.20.30cm
<i>Hebe Marjorie</i>		HM	3	42.20.30cm
<i>Hebe Blue Gem</i>		HB	3	42.20.30cm
<i>Hebe Autumn Glory</i>		HA	3	42.20.30cm
<i>Heuchera Palace Purple</i>		HP	6	42.20.30cm
<i>Hypericum Hidote</i>		HH	4	42.20.30cm
<i>Lonicera Malgreen</i>		LM	3	42.20.30cm
<i>Potentilla Goldfinger</i>		PG	4	42.20.30cm
<i>Pyracantha regensiana</i>		RP	3	42.20.30cm
<i>Rosmarinus arvensis</i>		RR	4	42.20.30cm
<i>Rudbeckia Goldrum</i>		RG	6	42.20.30cm
<i>Senecio Sunshine</i>		SS	3	42.20.30cm
<i>Spiraea japonica Goldflame</i>		SJ	3	42.20.30cm
<i>Vinca minor Atropurpurea</i>		VM	6	42.20.30cm
<i>Viburnum davidii</i>		VD	3	42.20.40cm

Rev B 16 03 23 Removal of wildlife walk, following neighbour comments
Rev A 01 02 23 Minor changes following client and Architect comments

Revised drawing

Westwood
landscape

CHARTERED LANDSCAPE ARCHITECTS
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CLIENT		Thomas Graham	
DEVELOPMENT		St Thomas Cross Egremont	
DRAWING		SITE LAYOUT	
		Landscape Plan	
DRAWN BY		DATE	27.01.23
STATUS		PLANNING	SCALE 1:500 @ A1
DRAWING NUMBER		WW/L01	REVISION
			B