



LEGEND

- Proposed development
- Existing trees and vegetation to be retained
- Existing grassland
- Proposed native shrub planting areas or woodland areas
- Proposed areas of grass seed mixes (Emorsgate EM10 tussocky mix)
- Proposed tree planting
- Hedge planting
- Proposed aggregate access track
- Perimeter fence (likely to be palisade and / or weldmesh in construction)

MAINTENANCE:

Trees:
All trees shall be regularly checked and any broken ties, guards or stakes replaced. Mulch shall be topped up to maintain original levels. In periods of dry weather, all trees shall be regularly watered to field capacity. The area around the base of each tree is to be kept mulched to 50mm depth minimum and weed free to a minimum diameter of 1m. At the end of each growing season all trees shall receive an application of slow release fertiliser. After approximately 5 years, stakes and ties should be removed once trees have established. Any trees that fail to thrive shall be replaced with stock to the original specification.

Woodland & Shrub mix:
All plants shall be maintained weed free and any loose plants re-firmed. All canes and spirals where employed shall be regularly checked and adjusted or replaced as required. All plants shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of the maintenance period. Mulch shall be regularly topped up to original levels. All plants shall be allowed to grow up to a minimum of 2.5m high and maintained at 2.5m+. Any plants that fail to thrive shall be replaced with stock to the original specification.

Native Hedgerow Mix:
All hedgerows shall be maintained weed free and any loose plants re-firmed. All canes and spirals where employed shall be regularly checked and adjusted or replaced as required. All hedge lines shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of the maintenance period. Mulch shall be regularly topped up to original levels. All hedge lines shall be allowed to grow up to a

minimum of 3m high and maintained at 3m+. Any plants that fail to thrive shall be replaced with stock to the original specification.

SPECIFICATION:

Existing Vegetation
All trees and hedges which are shown for retention shall be protected in accordance with guidance in BS 5837 2012 - Trees in Relation to Construction.
Any tree surgery required shall also be in accordance with BS 3998 2010.

Soil
All topsoil and landscaping medium will be in accordance with BS 3882 2015.
Grass areas minimum 150mm depth and tree and shrub areas min 500mm depth (plus 500mm minimum of rootable subsoil). Soil Ameliorants - to be applied to all newly planted areas. Seanure Soilbuilder or similar approved - incorporate approx 1.5kg per m2 of backfill and 70g/m2 to shrub beds, or as per manufacturers instructions. Granular Slow Release Fertiliser (Scotts Enmag 4-19-10+7.5Mg+3.4%) or similar approved to be applied as per manufacturer's instructions.

Plant Stock
All plant material to be as specified in the Plant Schedules. All plant material to be in accordance with BS 3936 Part 1 (1992), 'Nursery Stock Specification for Trees and Shrubs', BS3936 Part 10: 1990 'Nursery Stock Specification for Ground-cover Plants', BS3969 1998 'Recommendations for Turf for General Purpose' and 'Handling and Establishing Landscape Plants' HTA 1985, revised edition March 2002. Any stock planted outside the recognised

Plant Schedule - Tree Planting:

Common Name	Botanical Name	Size (cm)	Type	Shelter	Total
Pedunculate oak	Quercus robur	12-14 girth	Rootball	Staked only	27
Field Maple	Acer campestre	10-12 girth	Rootball	Staked only	24
Rowan	Sorbus aucuparia	10-12 girth	Rootball	Staked only	25
Silver birch	Betula pendula	8-10 girth	Rootball	Staked only	34
Gean	Prunus avium	8-10 girth	Rootball	Staked only	16
Total					126

Plant Schedule - Native Shrub Mix:

Common Name	Botanical Name	Size (cm)	Type	Shelter	% Mix	Plant Numbers			Total	
						N1 (2909 m2)	N2 (2611m2)	N3 (222m2)		
						Centres (m)	1.5	1.5	1.5	
Pedunculate oak	Quercus robur	60-90	Transplant	600mm Tree guard	20	259	232	20	511	
Rowan	Sorbus aucuparia	60-90	Transplant	600mm Tree guard	10	129	116	10	255	
Gean	Prunus avium	60-90	Transplant	600mm Tree guard	5	65	58	5	128	
Silver birch	Betula pendula	60-90	Transplant	600mm Tree guard	10	129	116	10	255	
Sessile Oak	Quercus petraea	60-90	Transplant	600mm Tree guard	5	65	58	5	128	
Hazel	Corylus avellana	60-90	Transplant	600mm Shrub guard	15	194	174	15	383	
Holly	Ilex aquifolium	60-90	Transplant	600mm Mesh guard	10	129	116	10	255	
Hawthorn	Crataegus monogyna	60-90	5Ltr+ Container	600mm Shrub guard	25	323	290	24	637	
Total						100	1293	1160	99	2552

Plant Schedule - Woodland Mix:

Common Name	Botanical Name	Size (cm)	Type	Shelter	% Mix	Species Group Numbers	Plant Numbers				Total	
							W1 (2329 m²)	W2 (1275m²)	W3 (176 m²)	W4 (1275 m²)		
							Centres	2	2	2	2	
Pedunculate oak	Quercus robur	60-90	Transplant	600mm Tree guard	15	6-10	93	51	7	51	202	
Field maple	Acer campestre	60-90	Transplant	600mm Tree guard	5	3-6	31	17	2	17	67	
Rowan	Sorbus aucuparia	60-90	Transplant	600mm Tree guard	10	6-10	62	34	5	34	135	
Gean	Prunus avium	60-90	Transplant	600mm Mesh guard	5	3-6	31	17	2	17	67	
Silver birch	Betula pendula	60-90	Transplant	600mm Shrub guard	10	6-10	62	34	5	34	135	
Goat willow	Salix caprea	60-90	Rooted cutting	600mm Mesh guard	3	3-6	19	10	1	10	40	
Hawthorn	Crataegus monogyna	60-90	Transplant	600mm Tree guard	15	6-10	93	51	7	51	202	
Hazel	Corylus avellana	60-90	Transplant	600mm Tree guard	10	6-10	62	34	5	34	135	
Guelder rose	Viburnum opulus	60-90	Transplant	600mm Tree guard	2	1-3	12	7	1	7	27	
Blackthorn	Prunus spinosa	60-90	Transplant	600mm Tree guard	10	6-10	62	34	5	34	135	
Dogwood	Cornus sanguinea	60-90	Transplant	600mm Mesh guard	2	1-3	12	7	1	7	27	
Holly	Ilex aquifolium	60-90	3Ltr+ Container	600mm Shrub guard	5	3-6	31	17	2	17	67	
Dog Rose	Rosa canina	60-90	Transplant	600mm Mesh guard	2	1-3	12	7	1	7	27	
Field Rose	Rosa arvensis	60-90	Transplant	600mm Mesh guard	2	1-3	12	7	1	7	27	
Gorse	Ulex europaeus	60-90	3Ltr+ Container	No Guard	2	1-3	12	7	1	7	27	
Broom	Cytisus scoparius	60-90	3Ltr+ Container	600mm Mesh guard	2	1-3	12	7	1	7	27	
Total						100	618	341	47	341	1347	

Native Hedgerow Mix:

Common Name	Botanical Name	Size (cm)	Type	% Mix	Plant Numbers
Field Maple	Acer campestre	40-60cm, Branched, 1+1, B		5	10
Hazel	Corylus avellana	40-60cm, Branched, 1+1, B		5	10
Common Hawthorn	Crataegus monogyna	40-60cm, Branched, 1+1, B		55	110
Holly	Ilex aquifolium	40-60cm, 2L pot		5	10
Blackthorn	Prunus spinosa	40-60cm, Branched, 1+1, B		20	40
Dog Rose	Rosa canina	40-60cm, Branched, 1+1, B		5	10
Guelder Rose	Viburnum opulus	40-60cm, Branched, 1+1, B		5	10
				total	100
					200

Maintenance Schedule

Item	Month (Annually)											
	J-A	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Wildflower Grassland Maintenance												
Grass cuts to wildflower areas and remove arisings (100mm height)												
Checks for invasive, noxious or notifiable weeds and remove/treat in accordance with species encountered												
Planting Areas Maintenance												
Maintain 1m wide weed-free circle around young plants and along hedgerows via minimum 3 herbicide applications/hand weeding												
Weed eradication using herbicide and physical methods in grassland areas as appropriate for species of weed												
Grass cuts to ground vegetation within planting compartments areas to 75mm height												
Refirm plants and shelters, prune plants to remove dead or dying shoots and also suckers to favour leading shoot												
Replacement of plant failures and guards/stakes as required to maintain original stocking												
Undertake formative pruning as required and as appropriate for plant species												

planting season to be containerised. Containerised plant stock to have fully developed root system within the specified pot size. Where growing-on in the nursery is necessary all plant material is to be re-potted to the next approved pot size, re-spaced to allow for 15-20% growth per growing season, and maintained to healthy vigorous growth irrespective of weather conditions.

Planting - Proposed Tree and Shrub Areas
All planting areas to be weed free prior to planting. Allow for application of approved translocated systemic herbicide in line with 1997 Control of Pesticide Regulations and 2003 COSHH. All beds to be thoroughly forked over or rotovated to a minimum depth of 400mm, ensuring that the subgrade and topsoil are both free draining. All planting beds to be 90mm below adjacent grass/hard surfaces. Where grass is proposed, soil levels to be 10mm below or flush with adjacent surfaces.

Individual Tree Planting
Trees to be planted into prepared tree pits, backfilled with topsoil/soil ameliorants as above. Rootballed trees: Tree pit diameter to be 500mm greater than rootball, wide enough to accommodate roots when fully spread. Depth of all tree pits to be 150mm greater than depth of rootball/container and backfilled with 150mm layer of approved drainage gravel. Base and sides of all pits to be roughened to allow root penetration. Works to be in accordance with BS 4043:1989 Transplanting root-balled trees. Where trees are planted within grassland, they shall have a 1000mm diameter circle around the base of the trunk to be maintained free from grass and spread with 75mm mulch. All trees to be watered-in when planted with a minimum 54L, and then on a weekly basis for the duration of the 12 Month Maintenance Period, except when the weather conditions are very wet

Tree Stakes: Bareroot trees up to 12-14cm, girth to be single staked - stakes well driven into the ground minimum 300mm into bottom of tree pit. Stakes to be pressure treated, round (75cms diameter) peeled, smooth larch or similar. Trees to be secured with plastic/rubber proprietary tree tie, nailed to the stake. All stakes to be pointed at one end, extending above ground by 1/3 of the height of the ground to 1st branch.

Woodland Planting
All feathered trees and whips to be planted in prepared pits 600x600x600mm for feathered trees, and 300x300x300mm for whips.
Pits to be backfilled with topsoil/soil ameliorants as above. All plants to be well firmed. Feathered trees to be single staked. All trees to be fitted with proprietary rabbit guards.

Native Shrub and Hedge Planting
All whips to be planted in prepared pits 300x300x300mm.
Pits to be backfilled with topsoil/soil ameliorants as above. All plants to be well firmed. Feathered trees to be single staked. All trees to be fitted with proprietary rabbit guards. Shrubs to be planted in pits 150mm wider and deeper than their root spread. Pits to be backfilled with a mixture of topsoil/soil ameliorants as above. Plants to be a minimum of 300mm from any adjacent hard surface or structure. Where not protected by rabbit netting, shrubs to be fitted with proprietary rabbit guards.