



Specification Notes:

All plants shall conform to BS 3934 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HFA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.

No species, variety, size or position to be amended without the Landscape Architects prior approval.

If the formation level is compacted it should be ripped through before topsoiling. Topsoil depths to be 300mm for shrub beds and 150mm for grass areas.

All landscape proposals must be referred to by the Structural Engineer during foundation design.

All planting has been indicated making every effort to avoid conflict with highway land. Prior to submission it is the client's responsibility to ensure that all landscaping is reviewed by the project manager/highway engineer to ensure there is no conflict with highway land and future adaptations.

Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to ensure that they are planted at least 1.5m from drains. They should however be planted no closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position.

If planting conditions are particularly poor e.g. waterlogged/frozen ground or poor soils, the Site Manager must be notified. All works will halt until conditions are considered acceptable.

All planting must be mulched to a depth of 75mm and in accordance with horticultural best practice guidelines ensuring plants are not buried.

All bare root stock shall be root dipped in an approved water-retaining polymer. If planting is required outside the October-March season, bare root trees will be replaced by a containerised equivalent to be approved by the project landscape architect.

Planting in pedestrian visibility splays: Any planting stock specified in pedestrian visibility splays and exceeding 0.6m in height is to be cut down to 0.45m in height at the time of planting. It shall be maintained at a height not exceeding 0.6m in height in perpetuity.

Trees: All tree locations and species must be taken into consideration by the project Structural Engineer to ensure that foundation design accords with the specifications set out under Chapter 4.2 of the NBS Standards. It is the Contractor's responsibility to ensure that all underground services have been located and identified in advance of tree pit excavation. No tree species/location/specification will be amended without prior approval from the project landscape architect and/or the Client. Root barriers are to be provided as directed by the project engineer. All trees to be supplied with a minimum 1.8m clear stem unless clearly stated otherwise.

Specimen Shrubs: All specimen shrubs to be planted in accordance with horticultural best practice guidelines. No feature shrub or climbers species, size or location should be altered without prior approval from the Landscape Architect. Planting beds to be mulched with 75mm layer of bark.

Hedgerows: All ornamental hedgerow shrubs to be planted in accordance with horticultural best practice guidelines. No hedgerow shrub species, size or location should be altered without prior approval from the Landscape Architect. Hedgerow shrubs to be planted on a double staggered row at 400mm centres, 300mm apart with no less than 6 per linear metre. Individual species to be planted in groups of 9-18 within the bed. Ground to be cleared, removing all weeds and other debris in advance of planting and cultivated to a fine tilth. If required suitable soil conditions, such as mushroom compost, should be incorporated. Transplanted stock to be planted into an appropriate sized pit or notch and protected using bio-degradable spiral guards (Rainbow Bio-spiral) secured with a 15mm diameter min. bamboo can inserted into the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable shrub shelter (pl GreenGuard Biodegradable Tree Shelter Guard) and timber stake using natural fibre ties (Hidalfat Natural Tree Tie) fitted in accordance with the manufacturers guidelines. Following planting the ground is to be watered to field capacity. Planting beds to site for long-term features areas be mulched with 75mm layer of bark. Guards and shelters to be supplied Green Tech (www.green-tech.co.uk) or similar.

Amenity Turf & Seeding: All turf and seeding to be completed in line with horticultural best practice. Seed to be applied at the rates (g/m²) advised by manufacturer/supplier. Prior to seeding, ground shall be cultivated to a fine tilth incorporating 150mm of topsoil to finished formation level. All areas shall be free of weed growth prior to turfing/seeding.

Meadow Grassland: All turf and seeding to be completed in line with horticultural best practice. Seed to be applied at the rates (g/m²) advised by manufacturer/supplier. Prior to seeding, all areas shall be stripped of topsoil to provide a nutrient-poor subsoil for meadow establishment. Where ground requires additional soil fill to meet finished formation levels this shall be made up using site-won subsoil. Subsoil shall be cultivated to a suitable tilth and be free of weed growth at point of seeding.

Shrubs & herbaceous: All ornamental and amenity shrubs to be planted in accordance with horticultural best practice guidelines. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 3-7 within mixed species beds. Planting beds to be mulched with 75mm layer of bark.

Native Shrubs: All shrubs to be planted in accordance with horticultural best practice guidelines. The landscape proposals must be referred to by the Structural Engineer during foundation design. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 9-18 within the bed. Ground to be cleared, removing all weeds and other debris in advance of planting and cultivated to a fine tilth. If required suitable soil conditions, such as mushroom compost, should be incorporated. Transplanted stock to be planted into an appropriate sized pit or notch and protected using bio-degradable spiral guards (Rainbow Bio-spiral) secured with a 15mm diameter min. bamboo can inserted into the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable shrub shelter (pl GreenGuard Biodegradable Tree Shelter Guard) and timber stake using natural fibre ties (Hidalfat Natural Tree Tie) fitted in accordance with the manufacturers guidelines. Following planting the ground is to be watered to field capacity. Planting beds to site for long-term features areas be mulched with 75mm layer of bark. Guards and shelters to be supplied Green Tech (www.green-tech.co.uk) or similar.

Upland Rush & Grass Species: All marginal to be planted in accordance with horticultural best practice guidelines. No marginal species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 1-2-1.

Key

- Application Site Boundary
- Extent of existing easement.
- Areas of Existing Retained Habitat & Scrub.
- Illustrative LEAP extent/design. Refer to LEAP design drawing produced by Kompan (Ref: EN25296).
- Earth modelling: Gentle scraps to be formed to a depth of 200mm below finished ground level to allow natural accumulations of wet soils for characteristic grass and rush planting.
- Seal: 80. Blackium Seats as supplied by Broxap (www.broxap.com) or similar approved. Seats to have FSC hardwood timber slats, painted cast iron framework (Colour: Anthracite Grey - RAL 7016) with a roof/extension leg fixing system. Allow for paved platform (min. 100mm offset all around seat) to match adjacent paved surfaces including edge support (PC pin kerb or similar to match edging of adjacent paving).
- Picnic Bench: 4no. Canmore Chase Picnic Benches as supplied by Broxap (www.broxap.com) or similar approved. Benches to be painted (Colour: Anthracite Grey - RAL 7016) and to be roof fixed. Allow for paved platform (min. 300mm offset all around bench) to match adjacent paved surfaces including edge support (PC pin kerb or similar to match edging of adjacent paving).
- Waymarker: 1no. Timber finger post as supplied by Broxap (www.broxap.com) or similar approved. Post to be roof fixed. Allow for development of signage content.
- Drystone Pillar Waymarker: 3no. Drystone Pillars constructed using local stone with timber finger post fixed through the centre of the pillar. Finger post to match standalone waymarkers. Detail to be confirmed.
- Wastebins: 6no. Double Westleigh Litter Bins (litter & dog waste) as supplied by Broxap (www.broxap.com) or similar approved. Timber panels to be FSC hardwood timber and steelwork to be painted Anthracite Grey - RAL 7016. Bins to be roof fixed.

Erosion Control

- Pre-seeded Erosion Mat: Covamatt as supplied by Greenfix (www.greenfix.co.uk) to be installed on all bank gradients steeper than 1:3 in line with manufacturer recommendations. Matting to be pre-seeded with the seed mix specified on the landscape proposals.

Turf & Seeding

- Turf to plant horticultural to be laid as Rawlin 'Medallion', or similar approved.
- Amenity grass - A22 low maintenance seed mixture, as supplied by Germinall (www.germinallamenity.com) or similar approved.
- Meadow grassland - EM1. Meadow mixture supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.
- Wetland grass mixture - EM8, seed mixture for wetlands, as supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.
- Pond grass mixture - EP1, seed mixture for pond edges, as supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.

Plant Schedule

Abbr	Species	Supply	Size	Girth	Number
ABBR	Corylus avellana	MS-RB	175-200cm		6
QUERO	Quercus robur	Select Standard RB	300-350cm	10-12cm	5
APPR	Apple Bramley	HS1d: RB MM106	350-425cm	12-14cm	3
CRAPPS	Crataegus punctulata 'Splendens'	HS1d: RB	350-425cm	12-14cm	2
AMARI	Amaranthus arborescens 'Robin Hill'	Extra Heavy Standard RB	425-600cm	14-16cm	8
CRAMON	Crataegus monogyna	Extra Heavy Standard RB	425-600cm	14-16cm	4
CARBET	Carpinus betulus 'Fastigiata'	Extra Heavy Standard RB	425-600cm	14-16cm	5
CARBET	Carpinus betulus	Extra Heavy Standard RB	425-600cm	14-16cm	11
SORROYA	Sorbus aucuparia 'Cardinal Ray'	Extra Heavy Standard RB	425-600cm	14-16cm	5
BEPE	Ulmus laevis 'Bretschneider Superbus'	Extra Heavy Standard RB	425-600cm	14-16cm	11
BEPE	Betula pendula	Extra Heavy Standard RB	450-625cm	16-18cm	8
ACECAMST	Acer campestre 'Steelweave'	Extra Heavy Standard RB	450-625cm	16-18cm	43
MAGKOIS	Magnolia kobus 'SIS'	Extra Heavy Standard RB	425-600cm	16-18cm	9
MALY	Morus nigra	Extra Heavy Standard RB	450-625cm	16-18cm	3
PRUAV	Prunus avium	Extra Heavy Standard RB	450-625cm	16-18cm	5
CARBET	Carpinus betulus	Extra Heavy Standard RB	450-625cm	16-18cm	5
BETJACA	Betula utilis 'Jacksoumanti'	Extra Heavy Standard RB	450-625cm	16-18cm	4
AINGL	Alnus glutinosa	Extra Heavy Standard RB	450-625cm	16-18cm	3
FAGSY	Fagus sylvatica	Extra Heavy Standard RB	450-625cm	16-18cm	5
PKYACCH	Pinus caleyana 'Chanticleer'	Extra Heavy Standard RB	450-625cm	16-18cm	7
FAGPIRA	Fagus sylvatica 'Purpurea'	Extra Heavy Standard RB	450-625cm	16-18cm	1
TILCOGR	Tilia cordata 'Green Spire'	Semi-mature RB	550-600cm	20-25cm	9
					Total: 164

Specimen Shrubs

Abbr	Species	Pot Size	Height	Habit	Number
PHOJE	Phormium 'Jester'	15L	80-100cm	Tip Cam	14
PHOPEL	Phormium 'Patti Black'	15L	80-100cm	Tip Cam	5
PHOWAVA	Phormium 'Yellow Wave'	15L	80-100cm	Tip Cam	5
PHOCHD	Phormium cook 'noakesi 'Cream Delight'	15L	80-100cm	Tip Cam	8
PHOFRER	Phoritis fraseri 'Red Robin'	18L	125-150cm	Bushy	3
VIBDWA	Viburnum bodnantense 'Dawn'	25L	80-100cm	Bushy	4
HAMINDI	Hamamelis x intermedia 'Diane'	25L	125-150cm	Branched	4
					Total: 49



Single Species Hedgerows

Abbr	Species	Pot Size	Height	Habit	Density	Number
ELABU	Eleagnus ebbingei 'Limegold'	5L	80-100cm	Bushy	0.4Ch	140
PRULU	Prunus lusitanica	5L	80-100cm	Bushy	0.4Ch	171
BUXSE	Buxus sempervirens	10L	30-40cm	Bushy	0.4Ch	138
ELABU	Eleagnus ebbingei 'Limegold'	10L	80-100cm	Bushy	0.4Ch	308
PRULU	Prunus lusitanica	10L	80-100cm	Bushy	0.4Ch	1455
Total:						2213



Native Mix Species Hedgerow

Abbr	Species	Supply	Height	Density	Mix %	Number
CORAB	Corylus avellana	11+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	238
CRAMON	Crataegus monogyna	11+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	40%	686
ELAQ	Ilex aquifolium	2L: 3 Breaks	40-60cm	0.4Ch Double Staggered at 0.4m offset	10%	173
PRUSP	Prunus spinosa	11+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	238
ROSCA	Rosa canina	11+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	10%	173
VIBOP	Viburnum opulus	11+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	10%	173
					Total:	1721



Shrubs

Abbr	Species	Pot Size	Height	Habit	Density	Number
CALVALALP	Calluna vulgaris 'Alba Pinea'	3L	30-40cm	Bushy	0.6Ch	65
CORALE	Cornus alba 'Elegantissima'	3L	60-80cm	Branched	0.7Ch	109
EUPRO	Euphorbia rubra	5L	40-60cm	Full Pot	0.7Ch	131
HEPIS	Hebe pinguifolia 'Sutherlandii'	5L	30-40cm	Bushy	0.7Ch	77
AUCJA	Aucuba japonica	3L	40-60cm	Bushy	0.7Ch	32
AUCJACR	Aucuba japonica 'Cratonfolia'	10L	40-60cm	Bushy	0.7Ch	7
AUCJACR	Aucuba japonica 'Cratonfolia'	10L	40-60cm	Bushy	0.7Ch	6
BRASU	Brachyglottis 'Sunshine'	10L	40-60cm	Bushy	0.7Ch	216
BUXSE	Buxus sempervirens	10L	30-40cm	Bushy	0.7Ch	13
CEATHR	Ceanothus thyrsiflorus repens	10L	40-60cm	Bushy	0.7Ch	120
CHICAP	Chionodoxa 'Alicia Pearl'	10L	40-60cm	Bushy	0.7Ch	113
CHOTE	Chionodoxa 'femata'	10L	40-60cm	Bushy	0.7Ch	62
CHOTE	Chionodoxa 'femata 'Sunderland'	10L	40-60cm	Bushy	0.7Ch	234
ELAPUMA	Eleagnus pungens 'Maculata'	10L	80-100cm	Bushy	0.7Ch	131
EUOENG	Eunymus fortunei 'Emerald Yr Gold'	10L	30-40cm	Bushy	0.7Ch	204
EUOENG	Eunymus fortunei 'Emerald Goldy'	10L	30-40cm	Bushy	0.7Ch	290
EUJABR	Eunymus japonicus 'Brava'	10L	40-60cm	Bushy	0.7Ch	19
FAJA	Fatsia japonica	10L	60-80cm	Bushy	0.7Ch	6
GRUJ	Griselinia littoralis	10L	80-100cm	Bushy	0.7Ch	26
HEMAR	Hebe 'Marjorie'	10L	40-60cm	Bushy	0.7Ch	175
HEBWA	Hebe 'Mrs Winder'	10L	40-60cm	Bushy	0.7Ch	186
HEBPO	Hebe 'Purple Queen'	10L	40-60cm	Bushy	0.7Ch	136
HEBAL	Hebe obliques	10L	30-40cm	Bushy	0.7Ch	35
HEBALRE	Hebe obliques 'Red Edge'	10L	30-40cm	Bushy	0.7Ch	227
HEPIS	Hebe pinguifolia 'Sutherlandii'	10L	30-40cm	Bushy	0.7Ch	178
HYPHI	Hypericum 'Hidcoke'	10L	40-60cm	Bushy	0.7Ch	119
LAVANHI	Lavandula angustifolia 'Hidcoke'	10L	30-40cm	Bushy	0.7Ch	217
LAVANMU	Lavandula angustifolia 'Munstead'	10L	30-40cm	Bushy	0.7Ch	25
LOHNBG	Lonicera nitida 'Baggesen's Gold'	10L	40-60cm	Bushy	0.7Ch	43
PHOFRER	Phoritis x fraseri 'Red Robin'	10L	80-100cm	Bushy	0.7Ch	33
PRULACL	Prunus laurocerasus 'Otto Luyken'	10L	60-80cm	Bushy	0.7Ch	160
ROSCOP	Romantinus officinalis	10L	40-60cm	Bushy	0.7Ch	40
SARPOH	Sarcococca hookeriana	10L	30-40cm	Bushy	0.7Ch	33
SARPOHU	Sarcococca humilis	10L	30-40cm	Bushy	0.7Ch	97
SKIRUJ	Skimmia japonica 'Rubra'	10L	40-60cm	Bushy	0.7Ch	21
STIGI	Stipa gigantea	10L		Full Pot	0.7Ch	18
					Total:	3488

Grosses

Abbr	Species	Pot Size	Density	Number
CARCOS	Carex comans 'Bronze'	3L	0.4Ch	101
				Total: 101

Native Shrub Mix

Abbr	Species	Supply	Height	Mix Density	Area	Number
CORAL	Cornus alba	11+1: 3 Breaks	60-80cm	15%	1Ch	274
CORSA	Cornus sanguinea	11+1: 3 Breaks BR	60-80cm	30%	1Ch	267
CORAB	Corylus avellana	11+1: 3 Breaks BR	60-80cm	30%	1Ch	534
EUOENG	Eunymus europaeus	11+1: 3 Breaks BR	60-80cm	10%	1Ch	178
LIQUV	Ligustrum vulgare	11+1: 3 Breaks BR	60-80cm	10%	1Ch	178
ROSCA	Rosa canina	11+1: 3 Breaks BR	60-80cm	10%	1Ch	178
VIBOP	Viburnum opulus	11+1: 3 Breaks BR	60-80cm	10%	1Ch	178
					Total: 1781.94m ²	Total: 1848

Upland Rush & Grass Species

Abbr	Species	Supply	Pot Size	Density	Number
CARBET	Carex pendula	Bushy	1L	3/m ²	39
DESLE	Deschampsia flexuosa	Bushy	1L	3/m ²	49
JUNEFH	Juncus effusus	Bushy	1L	3/m ²	99
					Total: 187

Swale Planting

Abbr	Species	Supply	Pot Size	Density	Number
PRUAV	Phragmites australis	1000x300x10mm	10mm	852	Total: 857