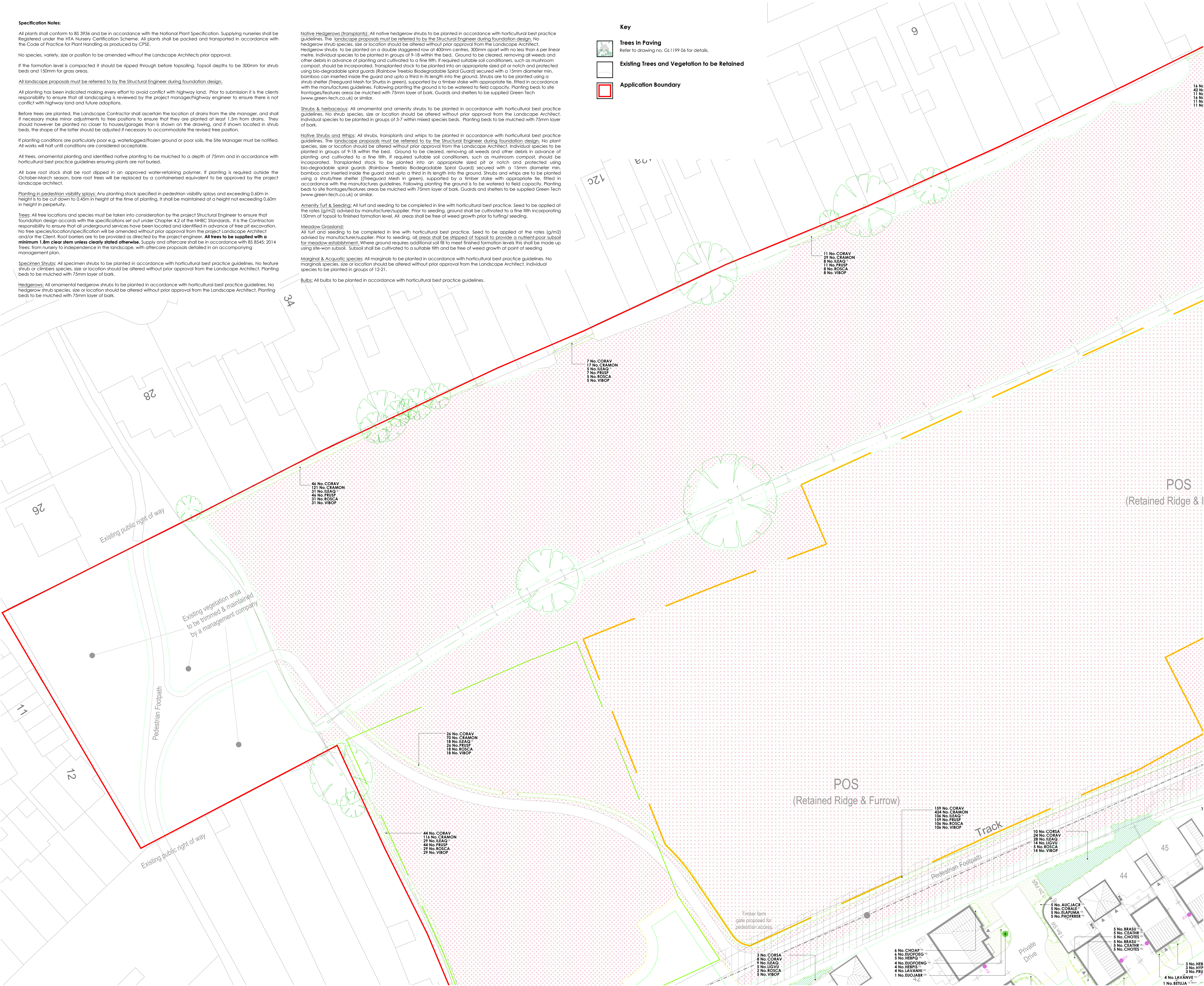




Specification Notes:

All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be Registered under the HTA 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 clients responsibility to ensure that all landscaping is reviewed by the project manager/highway engineer to ensure there is not 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 trees, ornamental planting and identified native planting to 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 plays: Any planting stock specified in pedestrian visibility plays and exceeding 0.60m 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 0.60m 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 Contractors responsibility to ensure that all underground services have been located and identified in advance of free 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.** Supply and off-site shall be in accordance with BS 8545: 2014 Trees: from nursery to independence in the landscape, with aftercare proposals detailed in an accompanying management plan.

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. Planting beds to be mulched with 75mm layer of bark.

Native Hedgerows (transplants): All native hedgerow 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 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 of 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 Treelife Biodegradable Spiral Guard) secured with a 15mm diameter min. bamboo can inserted inside the guard and up to a third in its length into the ground. Shrubs are to be planted using a shrub shelter (Treeguard Mesh for shrubs in green), supported by a timber stake with appropriate tie, fitted in accordance with the manufactures guidelines. Following planting the ground is to be watered to field capacity. Planting beds to site frontages/features areas be mulched with 75mm layer of bark. Guards and shelters to be supplied Green Tech (www.green-tech.co.uk) or similar.

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 and Whips: All shrubs, transplants and whips 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 plant 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 Treelife Biodegradable Spiral Guard) secured with a 15mm diameter min. bamboo can inserted inside the guard and up to a third in its length into the ground. Shrubs and whips are to be planted using a shrub/tree shelter (Treeguard Mesh in green), supported by a timber stake with appropriate tie, fitted in accordance with the manufactures guidelines. Following planting the ground is to be watered to field capacity. Planting beds to site frontages/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, 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.

Marginal & Aquatic species: All marginals to be planted in accordance with horticultural best practice guidelines. No marginals species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 12-21.

Bulbs: All bulbs to be planted in accordance with horticultural best practice guidelines.

Key

Trees In Paving

Refer to drawing no. GL1199 06 for details.

Existing Trees and Vegetation to be Retained

Application Boundary

PLANT SCHEDULE

Trees - On Plot				Supply	Size	Girth	Number
Abbr	Species						
MAGU	Magnolia kobus 'Id'	PLT	Extra Heavy Standard	Clear Stem 175-200	88	425-600cm	14-16cm
SORAUCR	Sorbus aucuparia 'Cardinal Royal'	PLT	Extra Heavy Standard	Clear Stem 175-200	88	425-600cm	14-16cm
AMABH	Amanchier arborea Robin Hill'	PLT	Extra Heavy Standard	Clear Stem 175-200	88	450-625cm	16-18cm
BEUJA	Betula utilis jacquemontii	PLT	Extra Heavy Standard	Clear Stem 175-200	88	450-625cm	16-18cm
MALIB	Malus tibetala	PLT	Extra Heavy Standard	Clear Stem 175-200	88	450-625cm	16-18cm
							Total :29

Trees - POS				Supply	Size	Girth	Number
Abbr	Species						
BEUJ	Betula utilis jacquemontii	POS	Feather Multi-Stemmed	< 90L		350-425cm	3
ACECAMA	Acer campestre	POS	Heavy Standard	Clear Stem 150-175	88	350-425cm	12-14cm
PRUAV	Prunus avium	POS	Heavy Standard	Clear Stem 150-175	88	350-425cm	12-14cm
SORAU	Sorbus aucuparia	POS	Heavy Standard	Clear Stem 150-175	88	350-425cm	12-14cm
CARBET	Carpinus betulus	POS	Extra Heavy Standard	Clear Stem 175-200	88	425-600cm	14-16cm
MALEV	Malus terebinth	POS	Extra Heavy Standard	Clear Stem 175-200	88	425-600cm	14-16cm
ACECAM	Acer campestre	POS	Extra Heavy Standard	Clear Stem 175-200	88	450-625cm	16-18cm
FAGSY	Fagus sylvatica	POS	Extra Heavy Standard	Clear Stem 175-200	88	450-625cm	16-18cm
SORAUCA	Sorbus aucuparia	POS	Extra Heavy Standard	Clear Stem 175-200	88	350-425cm	16-18cm
BEUJACA	Betula utilis jacquemontii	POS	Extra Heavy Standard	Clear Stem 175-200	< 90L	450-625cm	18-20cm
CARBET	Carpinus betulus	POS	Semi-Mature	Clear Stem min. 200	88	425-600cm	20-25cm
PHYCHAC	Pyrus calleryana 'Charitace'	POS	Semi-Mature	Clear Stem min. 200	88	600cm+	20-25cm
FAGSUA	Fagus sylvatica 'Purpurea'	POS	Semi-Mature	Clear Stem min. 200	88	600cm+	30-35cm
							Total :43

Specimen Shrubs & Climbers				Pot Size	Height	Habit	Number
Abbr	Species						
BUX CON	Buxus sempervirens	25L	100-125cm	Topiary cone			27
EUDJABR	Eucymnus japonicus 'Bravo'	25L	100-120cm	Bushy			11
FAJA	Fatsia japonica	25L	100-120cm	Bushy			2
PHO HAL	Phorbia fraseri 'Red Robin'	25L	150-175cm	Topiary half std	50-60cm	head	19
PHOFREER	Phorbia x fraseri 'Red Robin'	70-90L	225-230cm	Standard	12-14cm	gth	20
							Total :79

Single Species Hedgerows				Pot Size	Height	Habit	Density	Number
Abbr	Species							
ELAB	Elaeagnus x ebbinglii	3L	40-60cm	Bushy	0.4Cfr	86		
EJAPAH	Eucymnus japonicus 'Jean Hugues'	10L	40-60cm	Bushy	0.35Cfr	285		
LAVANVE	Lavandula angustifolia 'Vera'	10L	30-40cm	Bushy	0.35Cfr	32		
PRULU	Prunus lauratinica	10L	80-100cm	Bushy	0.4Cfr	1377		
							Total :1780	

Shrubs - On Plot				Pot Size	Height	Habit	Density	Number
Abbr	Species							
AUCJACR	Aucuba japonica 'Crotanifolia'	10L	60-80cm	Bushy	0.8Cfr	81		
AUCJAR	Aucuba japonica 'Rozanne'	10L	60-80cm	Bushy	0.7Cfr	7		
BRASH	Brachyglottis 'Sunshine'	10L	40-60cm	Bushy	0.7Cfr	159		
CAB EYE	Carex Evergold	10L	30-40cm	Bushy	0.5Cfr	94		
CEATHR	Ceanothus thyrsiflorus repens	10L	40-60cm	Bushy	0.7Cfr	147		
CHOAP	Choisyia 'Astea Pearl'	10L	40-60cm	Bushy	0.7Cfr	77		
CHOTES	Choisyia ternata 'Sundance'	10L	40-60cm	Bushy	0.7Cfr	519		
CORALE	Cornus alba 'Elegantissima'	3L	60-80cm	Branched	0.8Cfr	49		
ELAFUMA	Elaeagnus pungens 'Maculata'	10L	60-80cm	Bushy	0.8Cfr	81		
EUDOFENG	Eucymnus fortunei 'Emerald Yr Gold'	10L	30-40cm	Bushy	0.7Cfr	167		
EUDOFENG	Eucymnus fortunei 'Emerald Galaxy'	10L	30-40cm	Bushy	0.7Cfr	82		
FES GLA	Festuca glauca	10L	30-40cm	Bushy	0.5Cfr	120		
HEBMAR	Hebe 'Marjorie'	10L	40-60cm	Bushy	0.7Cfr	36		
HEBMW	Hebe 'Mrs Windsor'	10L	30-40cm	Bushy	0.7Cfr	79		
HEBPO	Hebe 'Purple Queen'	10L	30-40cm	Bushy	0.7Cfr	178		
HEBALRE	Hebe albicans 'Red Edge'	10L	30-40cm	Bushy	0.7Cfr	167		
HEBRVA	Hebe franciscana 'Variegata'	10L	40-60cm	Bushy	0.7Cfr	80		
HEBPS	Hebe pinguifolia 'Sutherlandii'	10L	30-40cm	Bushy	0.7Cfr	47		
HYPHI	Hypericum 'Hidcote'	10L	40-60cm	Bushy	0.7Cfr	34		
HEBPS	Hebe pinguifolia 'Sutherlandii'	10L	30-40cm	Bushy	0.7Cfr	47		
LAVANHI	Lavandula angustifolia 'Hidcote'	10L	30-40cm	Bushy	0.7Cfr	92		
LAVANMU	Lavandula angustifolia 'Munstead'	10L	30-40cm	Bushy	0.7Cfr	87		
LAVANVE	Lavandula angustifolia 'Vera'	10L	30-40cm	Bushy	0.7Cfr	150		
PHOFREER	Phorbia x fraseri 'Red Robin'	10L	60-80cm	Bushy	0.8Cfr	90		
PITETI	Philosporum tenuifolium 'Tom Thumb'	10L	30-40cm	Bushy	0.7Cfr	135		
PRULAC	Prunus laurocerasus 'Otto Luyken'	10L	60-80cm	Bushy	0.7Cfr	143		
ROSCF	Rumex crispus	10L	40-60cm	Bushy	0.7Cfr	95		
SARHOU	Sarcococca humilis	10L	30-40cm	Bushy	0.7Cfr	23		
SKUJARU	Skimmia japonica 'Rubella'	10L	40-60cm	Bushy	0.7Cfr	207		
VIBDA	Viburnum davidii	10L	40-60cm	Bushy	0.7Cfr	35		
							Total :3281	

Shrubs - Groundcover				Pot Size	Height	Habit	Density	Number
Abbr	Species							
BERWI	Berberis wilsoniae	3L	20-30cm	Bushy	0.6Cfr	39		
COTIM	Colonyella microphylla	3L	30-40cm	Bushy	0.6Cfr	52		
EUDOGIA	Eucymnus fortunei 'Emerald Galaxy'	3L	20-30cm	Bushy	0.4Cfr	52		
HYPCA	Hypericum calycinum	3L	20-30cm	Bushy	0.6Cfr	39		
FACTE	Pachysandra terminalis	3L	20-30cm	Bushy	0.6Cfr	78		
							Total :260	

Native Mix Species Hedgerow				Supply	Height	Density	Mix %	Number
Abbr	Species							
CORAV	Corylus avellana	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	15%	337		
CEAMON	Ceanothus monogyna	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	40%	889		
IEAG	Ilex aquifolium	2L:3 Breaks	40-60cm	0.4Cfr Double Staggered at 0.4m offset	10%	227		
PRUSP	Prunus spinosa	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	15%	337		
ROSCA	Rosa carolina	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	10%	227		
VIBOP	Viburnum opulus	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	10%	227		
							Total :2244	

Native Shrub Mix

Abbr	Species	Supply	Height	Density	Number
CORSA	Cornus sanguinea	T 1+1: 3 Breaks	60-80cm	1Cfr	13
CORAV	Corylus avellana	T 1+1: 3 Breaks	60-80cm	1Cfr	32
IEAG	Ilex aquifolium	2L: 3 Breaks	40-60cm	1Cfr	37
LIGVU	Ligustrum vulgare	T 1+1: 3 Breaks	60-80cm	1Cfr	19
ROSCA	Rosa carolina	T 1+1: 3 Breaks	60-80cm	1Cfr	7
VIBOP	Viburnum opulus	T 1+1: BR	60-80cm	1Cfr	19
					Total :127

Marginal / Aquatics				Supply	Pot Size	Density	Area	Number
Abbr	Species							
CARAC	Carex acuta	Plug 100cc	10m ²	12.75m ²				131
ELPAL	Elaeagnus palustris	Plug 100cc	10m ²	12.75m ²				131
GLYMAX	Glycyrrhiza maxima	Plug 100cc	10m ²	12.75m ²				131
IRIPS	Iris pseudacorus	Plug 100cc	10m ²	17m ²				173
JUNEF	Juncus effusus	Plug 100cc	10m ²	12.75m ²				131
JUNIN	Juncus inflexus	Plug 100cc	10m ²	12.75m ²				131
SAGSA	Sagittaria sagittifolia	Plug 100cc	10m ²	12.75m ²				131
SCILA	Scirpus lacustris	Plug 100cc	10m ²	12.75m ²				131
							Total :106.25m ²	Total :1090

Turf Areas				Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species					
				Meadow turf	Rotown Ltd	

Amenity Grassland Areas				Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species					
				ELI - Flowering Lawn Mix	Emergence Seeds	4g/m ²

Amenity Meadow Areas				Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species					
				EMI - General Purpose Meadow	Emergence Seeds	4g/m ²

SuDS Meadow Areas				Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species					
				EMB - Meadow Mixture for Wetland	Emergence Seeds	4g/m ²

Existing Ridge and Furrow				Existing ridge and furrow to be retained and managed.
Abbr	Species			

Existing Grassland				Existing grassland to be retained and managed.
Abbr	Species			

Seasonal Native bulbs				Species	Hyacinthoides non-scripta - (English Bluebell) - 30% of area	Galanthus nivalis (Snowdrops) - 30% of area	Narcissus pseudonarcissus (Wild Daffodil) - 30% of area
Abbr	Species						