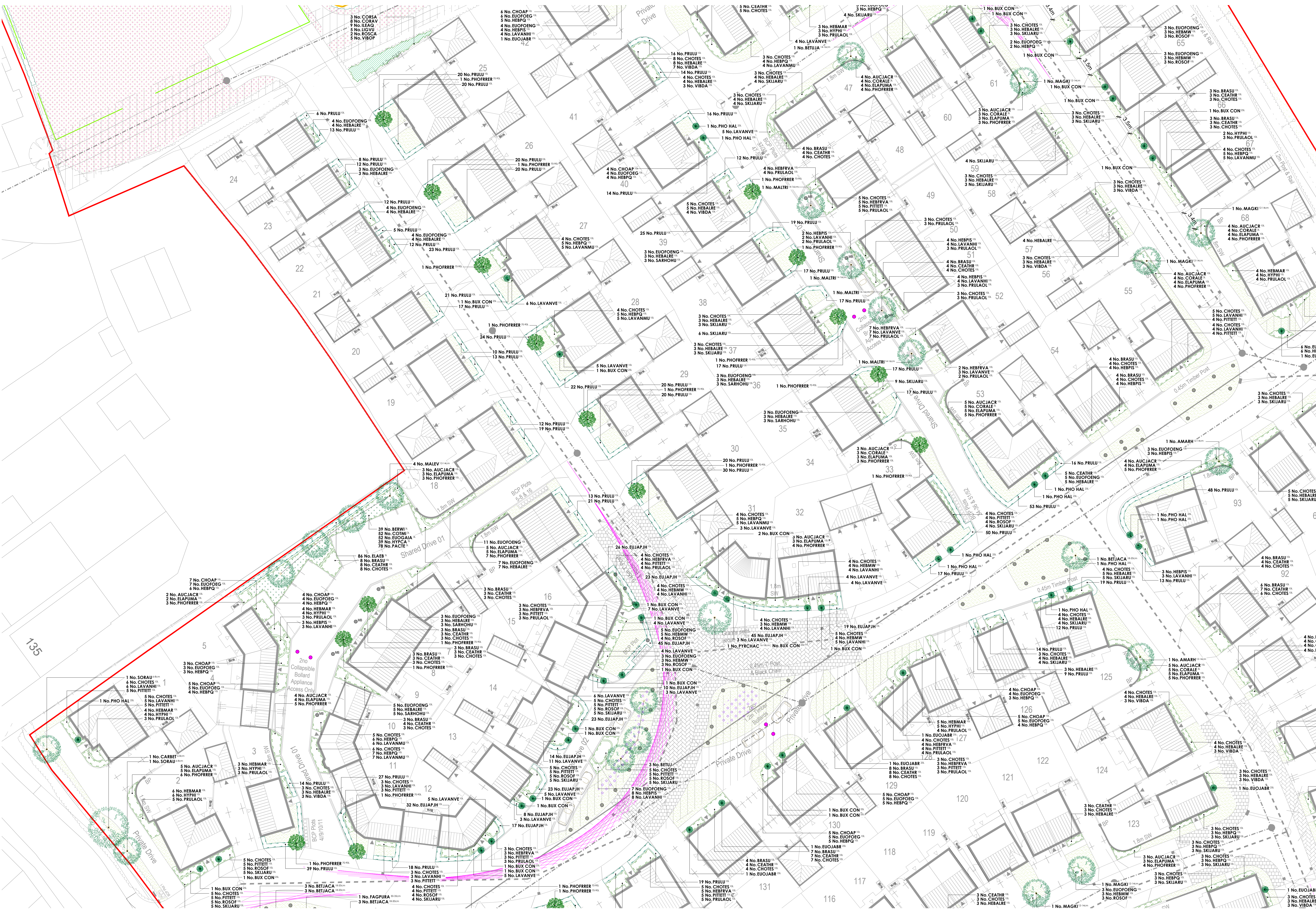




Key

Trees in Paving
Refer to drawing no. GL1199 06 for details.

Existing Trees and Vegetation to be Retained

Application Boundary

Specification Notes:

All plants shall conform to BS 9336 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 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 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/roten 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 spaces. Any planting stock specified in pedestrian visibility spaces 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 NHBC Standards. It is the Contractors responsibility to ensure that all underground services have been located and identified in advance of tree pit excavation. No tree species/excavation 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 offshore shall be in accordance with BS 8545: 2014. Trees from nursery to independence in the landscape, with aftercare protocols 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 climber 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 centers, 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 till. 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/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 till. 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/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.

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 till 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 fill to meet finished formation levels this shall be made up using site-won subsoil. Subsoil shall be cultivated to a suitable till and be free of weed growth at point of seeding.

Marginal & Aquatics species: All marginals 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 12-21.

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

PLANT SCHEDULE

Trees - On Plot		Supply	Size	Girth	Number
Abbr	Species				
AMARH	Amaranthus arborescens Robin Hill	PLT Heavy Standard Clear Stem 175-200 RB	350-425cm	12-14cm	2
MAGK	Magnolia kobus 'Is'	PLT Heavy Standard Clear Stem 175-200 RB	350-425cm	12-14cm	15
SORAU	Sorbus aucuparia 'Cardinal Royal'	PLT Heavy Standard Clear Stem 175-200 RB	350-425cm	12-14cm	1
BETUJ	Betula utilis jacquemontii	PLT Extra Heavy Standard Clear Stem 175-200 C 50L	425-450cm	14-16cm	7
MALTR	Malus hibabala	PLT Heavy Standard Clear Stem 175-200 RB	425-450cm	14-16cm	4
					Total: 29

Trees - POS		Supply	Size	Girth	Number
Abbr	Species				
BETU	Betula utilis jacquemontii	POS Feather Multi-Stemmed C 90L	350-425cm		3
ACECAM	Acer campestre	POS Light Standard Clear Stem 150-175 BR	200-250cm	6-8cm	4
CARBE	Carpinus betulus	POS Light Standard Clear Stem 150-175 BR	200-250cm	6-8cm	5
FAGSY	Fagus sylvatica	POS Light Standard Clear Stem 150-175 BR	200-250cm	6-8cm	1
PRUV	Prunus avium	POS Light Standard Clear Stem 150-175 BR	200-250cm	6-8cm	4
SORAU	Sorbus aucuparia	POS Light Standard Clear Stem 150-175 BR	200-250cm	6-8cm	8
MALEV	Malus 'Everett'	POS Heavy Standard Clear Stem 175-200 RB	350-425cm	12-14cm	4
PHYCAC	Pyrus calleryana 'Charlinee'	POS Extra Heavy Standard Clear Stem 175-200 RB	450-425cm	16-18cm	1
BETIAC	Betula utilis jacquemontii	POS Extra Heavy Standard Clear Stem 175-200 C 50L	425-450cm	18-20cm	12
FAGURA	Fagus sylvatica 'Purpurea'	POS Semi-Mature Clear Stem min. 200 RB	600cm+	30-35cm	1
					Total: 43

Specimen Shrubs & Climbers		Supply	Size	Height	Habit	Number
Abbr	Species					
BUX CON	Buxus sempervirens	25L	100-125cm	Topiary cone		27
EUJASB	Eunymus japonicus 'Bravo'	25L	100-120cm	Bushy		11
FAJA	Fatsia japonica	25L	100-120cm	Bushy		2
PHO HAL	Photinia fraseri 'Red Robin'	25L	150-175cm	Topiary half std 50-60cm head		19
PHOFRE	Photinia fraseri 'Red Robin'	70-90L	225-250cm	Standard 12-14cm		20
						Total: 59

Single Species Hedgerows		Supply	Size	Height	Habit	Density	Number
Abbr	Species						
ELABE	Elaeagnus x ebbingei	5L	40-60cm	Bushy	0.4Cfr	86	32
EUJAPH	Eunymus japonicus 'Jean Hughes'	10L	40-60cm	Bushy	0.35Cfr	285	11
LAVANVE	Lavandula angustifolia 'Vera'	10L	30-40cm	Bushy	0.35Cfr	32	1
PRULU	Prunus lusitana	10L	80-100cm	Bushy	0.4Cfr	1373	1
							Total: 1776

Shrubs - On Plot		Supply	Size	Height	Habit	Density	Number
Abbr	Species						
AUCIACR	Aucuba japonica 'Crotanifolia'	10L	60-80cm	Bushy	0.8Cfr	81	1
AUCIAC	Aucuba japonica 'Rozanne'	10L	60-80cm	Bushy	0.7Cfr	7	1
BRASU	Brachyglottis 'Sunshine'	10L	40-60cm	Bushy	0.7Cfr	150	1
CAR EYE	Carex Evergold	10L	30-40cm	Bushy	0.5Cfr	94	1
CEATHR	Ceanothus thyrsiflorus repens	10L	40-60cm	Bushy	0.7Cfr	150	1
CHOPA	Choysya Aztec Pearl	10L	40-60cm	Bushy	0.7Cfr	77	1
CHOTES	Choysya ternata 'Sundance'	10L	40-60cm	Bushy	0.7Cfr	507	1
CORALE	Cornus alba 'Elegantissima'	3L	60-80cm	Branched	0.8Cfr	49	1
ELAFUMA	Elaeagnus pungens 'Maculata'	10L	60-80cm	Bushy	0.8Cfr	81	1
EUOFOENG	Eunymus fortunei 'Emerald 'N' Gold'	10L	30-40cm	Bushy	0.7Cfr	172	1
EUOFOENG	Eunymus fortunei 'Emerald Goldley'	10L	30-40cm	Bushy	0.7Cfr	82	1
FES GLA	Festuca glauca	10L	30-40cm	Bushy	0.5Cfr	120	1
HEMAR	Hebe 'Marjorie'	10L	40-60cm	Bushy	0.7Cfr	36	1
HEMW	Hebe 'Mrs Winder'	10L	30-40cm	Bushy	0.7Cfr	84	1
HEBPQ	Hebe 'Purple Queen'	10L	30-40cm	Bushy	0.7Cfr	163	1
HEBALRE	Hebe obconica 'Red Edge'	10L	30-40cm	Bushy	0.7Cfr	179	1
HEBRVA	Hebe franciscana 'Vanguard'	10L	40-60cm	Bushy	0.7Cfr	80	1
HEPS	Hebe pinguifolia 'Sutherland'	10L	30-40cm	Bushy	0.7Cfr	47	1
HYPHI	Hypericum 'Hidcote'	10L	40-60cm	Bushy	0.7Cfr	34	1
LAVANHI	Lavandula angustifolia 'Hidcote'	10L	30-40cm	Bushy	0.7Cfr	92	1
LAVANNU	Lavandula angustifolia 'Hidcote'	10L	30-40cm	Bushy	0.7Cfr	72	1
LAVANVE	Lavandula angustifolia 'Vera'	10L	30-40cm	Bushy	0.7Cfr	150	1
PHOFRE	Photinia fraseri 'Red Robin'	10L	60-80cm	Bushy	0.8Cfr	90	1
PITTEI	Philadelphus tenuiflorum 'Tom Thumbs'	10L	30-40cm	Bushy	0.7Cfr	135	1
PRULAC	Prunus laurocerasus 'Otto Luyker'	10L	60-80cm	Bushy	0.7Cfr	140	1
ROSOF	Rosa rugosa 'officinalis'	10L	40-60cm	Bushy	0.7Cfr	101	1
SARHOU	Sarcococca humilis	10L	30-40cm	Bushy	0.7Cfr	23	1
SKIJARU	Siermija japonica 'Rubella'	10L	40-60cm	Bushy	0.7Cfr	207	1
VIBDA	Viburnum davidii	10L	40-60cm	Bushy	0.7Cfr	35	1
							Total: 3261

Shrubs - Groundcover		Supply	Size	Height	Habit	Density	Number
Abbr	Species						
BERWI	Berberis wilsoniae	3L	20-30cm	Bushy	0.4Cfr	39	1
COLOMI	Coloreaster microphyllus	3L	30-40cm	Bushy	0.4Cfr	52	1
EUGIASA	Eunymus fortunei 'Emerald Goldley'	3L	20-30cm	Bushy	0.4Cfr	52	1
HYPCA	Hypericum calycinum	3L	20-30cm	Bushy	0.4Cfr	39	1
PACITE	Pachysandra terminalis	3L	20-30cm	Bushy	0.4Cfr	78	1
							Total: 280

Native Mix Species Hedgerow		Supply	Size	Height	Density	Mix %	Number
Abbr	Species						
CORAV	Cornus ovata	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered or 0.4m offset	158	337	1
CRAMON	Crataegus monogyna	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered or 0.4m offset	40%	889	1
IEAQ	Ilex aquifolium	2L:3 Breaks	40-60cm	0.4Cfr Double Staggered or 0.4m offset	10%	227	1
PRUP	Prunus spinosa	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered or 0.4m offset	15%	337	1
ROSCA	Rosa carina	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered or 0.4m offset	10%	227	1
VIBOP	Viburnum opulus	11+1:3 Breaks	60-80cm	0.4Cfr Double Staggered or 0.4m offset	10%	227	1
							Total: 2244

Native Shrub Mix		Supply	Size	Height	Density	Number
Abbr	Species					
CORSA	Cornus sanguinea	11+1:3 Breaks	60-80cm	1Cfr	13	1
CORAV	Cornus ovata	11+1:3 Breaks	60-80cm	1Cfr	32	1
IEAQ	Ilex aquifolium	2L:3 Breaks	40-60cm	1Cfr	37	1
ROSCA	Rosa carina	11+1:3 Breaks	60-80cm	1Cfr	7	1
VIBOP	Viburnum opulus	11+1:3 Breaks	60-80cm	1Cfr	19	1
						Total: 127

Marginal / Aquatics		Supply	Size	Height	Density	Area	Number
Abbr	Species						
CARAC	Carex acuta	Plug 100cc	10cm	12.75m	131	131	1
ELPAL	Eleocharis palustris	Plug 100cc	10cm	12.75m	131	131	1
GYMAX	Glyceria maxima	Plug 100cc	10cm	12.75m	131	131	1
IRIPS	Iris pseudacorus	Plug 100cc	10cm	17m	173	173	1
JUNER	Juncus effusus	Plug 100cc	10cm	12.75m	131	131	1
JUNIN	Juncus inflexus	Plug 100cc	10cm	12.75m	131	131	1
SAGSA	Sagittaria sagittifolia	Plug 100cc	10cm	12.75m	131	131	1
SCILA	Scirpus lacustris	Plug 100cc	10cm	12.75m	131	131	1
							Total: 1090

Turf Areas		Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species			
EL1	Flowering Lawn Mix	Emmagine Seeds	4g/m ²	

Amenity Grassland Areas		Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species			
EL1	Flowering Lawn Mix	Emmagine Seeds	4g/m ²	

Amenity Meadow Areas		Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species			
EM1	General Purpose Meadow	Emmagine Seeds	4g/m ²	

SuDS Meadow Areas		Seed Mix Name	Seed Mix Supplier	Density
Abbr	Species			
EM8	Meadow Mixture for Wetland	Emmagine Seeds	4g/m ²	

Existing Ridge and Furrow		Supply	Size	Height	Density	Area	Number
Abbr	Species						
EL1	Flowering Lawn Mix	Emmagine Seeds	4g/m ²				

Existing Grassland		Supply	Size	Height	Density	Area	Number
Abbr	Species						
EL1	Flowering Lawn Mix	Emmagine Seeds	4g/m ²				

Seasonal Native bulbs		Supply	Size	Height	Density	Area	Number
Abbr	Species						
EL1	Flowering Lawn Mix	Emmagine Seeds	4g/m ²				