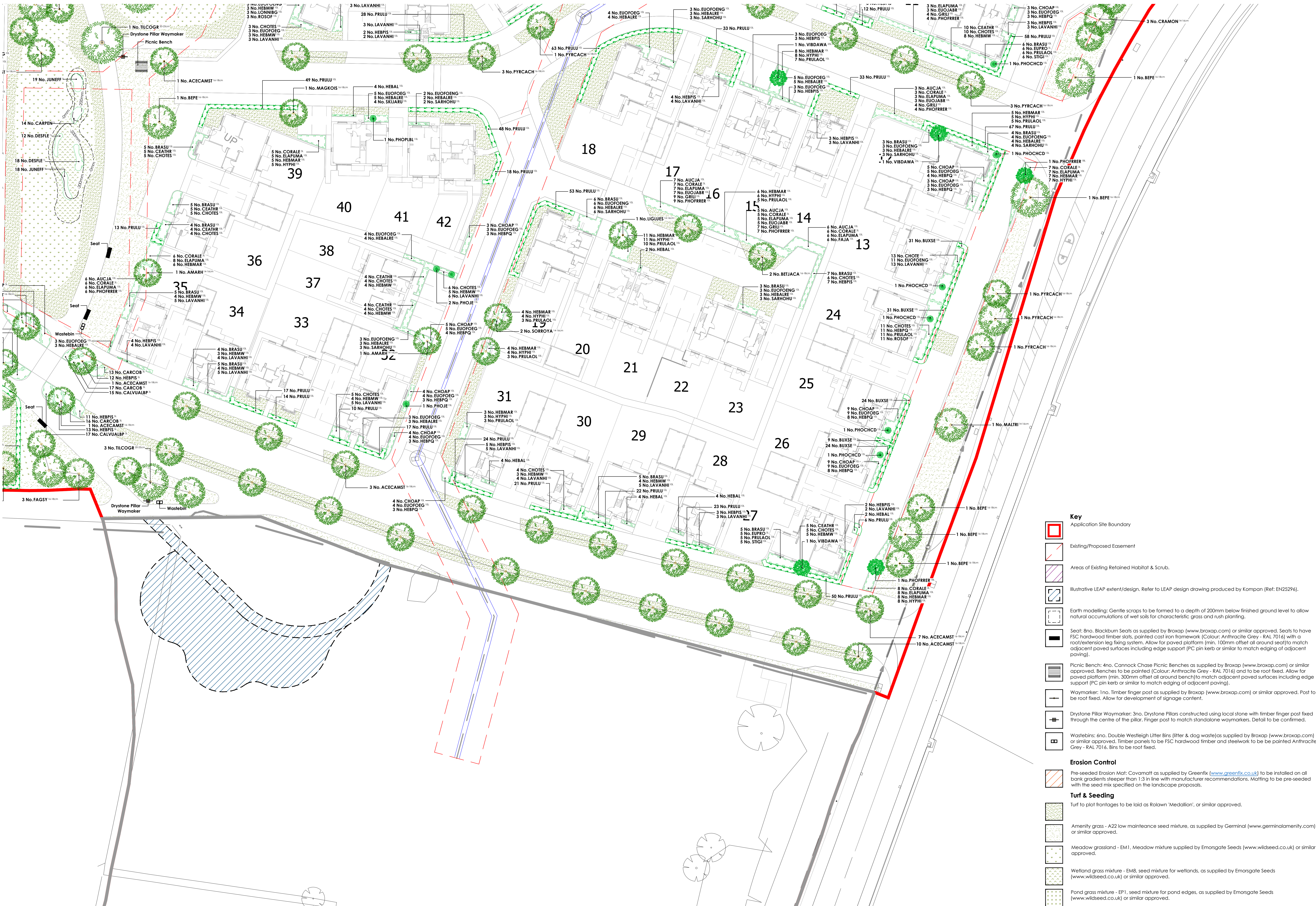




Specification Notes:

All plants shall conform to BS 3934 and be in accordance with the National Plant Specification. Supplying nurseries shall be Registered under the 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 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 not until conditions are considered acceptable.

All bare root stock shall be bare 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.

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 tree at 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 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 at 400mm centres, 300mm apart with no less than 4 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 details 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 inside the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable shrub shelter (at GreenGuard Biodegradable Tree Shelter Guard) and timber stake using natural fibre ties (Hofstad Natural Tree 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 cleared 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 details 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 inside the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable shrub shelter (at GreenGuard Biodegradable Tree Shelter Guard) and timber stake using natural fibre ties (Hofstad Natural Tree 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.

Upland Rush & Grass Species: All margins 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.

Plant Schedule						
Trees						
Abbr	Species	Supply	Size	Girth	Number	
CORAV	Corylus avellana	M5: RB	175-200cm		6	
QUERO	Quercus robur	Select Standard RB	300-350cm	10-12cm	4	
CRAPIS	Crataegus punctulata 'Splendens'	RB	350-425cm	12-14cm	2	
APFER	Apple Bramley	HS4: RB MM106	350-425cm	12-14cm	3	
CARBEI	Carpinus betulus	Extra Heavy Standard RB	425-600cm	14-16cm	6	
AMARH	Amelanchier arborea 'Robin Hill'	Extra Heavy Standard RB	425-600cm	14-16cm	8	
CRAMON	Crataegus monogyna	Extra Heavy Standard RB	425-600cm	14-16cm	4	
CAREFT	Carpinus betulus 'Fastigiata'	Extra Heavy Standard RB	425-600cm	14-16cm	3	
SORROYA	Sorbus aucuparia 'Cardinal Royal'	Extra Heavy Standard RB	425-600cm	14-16cm	5	
LIGUES	Ligustrum lucidum 'Excelsium Superbum'	Extra Heavy Standard RB	425-600cm	14-16cm	11	
MALTR	Malus trilobata	Extra Heavy Standard RB	425-600cm	14-16cm	4	
ACECAMST	Acer campestre 'Streetwise'	Extra Heavy Standard RB	450-625cm	16-18cm	44	
FAGPURA	Fagus sylvatica 'Purpurea'	Extra Heavy Standard RB	450-625cm	16-18cm	1	
FAGST	Fagus sylvatica	Extra Heavy Standard RB	450-625cm	16-18cm	9	
BEPE	Betula pendula	Extra Heavy Standard RB	450-625cm	16-18cm	9	
MAGKOIS	Magnolia kobus 'SIS'	Extra Heavy Standard RB	450-625cm	16-18cm	8	
MALSY	Malus sylvestris	Extra Heavy Standard RB	450-625cm	16-18cm	3	
PRUAV	Prunus avium	Extra Heavy Standard RB	450-625cm	16-18cm	5	
BETJACA	Betula utilis 'Jacquemontii'	Extra Heavy Standard RB	450-625cm	16-18cm	6	
CARBEI	Carpinus betulus	Extra Heavy Standard RB	450-625cm	16-18cm	4	
PHYCACH	Pinus caleyana 'Chanticleer'	Extra Heavy Standard RB	450-625cm	16-18cm	12	
ALING	Arnus guineensis	Extra Heavy Standard RB	450-625cm	16-18cm	3	
TILCOGR	Tilia cordata 'Green Sprite'	Semi-mature RB	550-600cm	20-25cm	6	
					Total: 159	
Specimen Shrubs						
Abbr	Species	Supply	Pol Size	Height	Habit	Number
PHOJE	Phormium 'Jester'	LSL	80-100cm	Tip Cm	14	
PHOPUL	Phormium 'Phyllis Black'	LSL	80-100cm	Tip Cm	5	
PHOWAVA	Phormium 'Yellow Wave'	LSL	80-100cm	Tip Cm	8	
PHOCHCD	Phormium cookii 'hookeri' 'Cream Delight'	LSL	80-100cm	Tip Cm	8	
PHOFREER	Phorlitis x fosteri 'Red Robin'	LSL	125-150cm	Bushy	4	
VIBDAXA	Viburnum bodinardense 'Dawn'	2SL	80-100cm	Bushy	4	
HAMANDI	Hamamelis x intermedia 'Diane'	2SL	125-150cm	Branched	6	
					Total: 48	
Single Species Hedgerows						
Abbr	Species	Supply	Pol Size	Height	Habit	Density Number
ELAEBSU	Elaeagnus ebbingei 'Limeglint'	SL	80-100cm	Bushy	0.4Ch	139
PRULU	Prunus lauratinia	SL	80-100cm	Bushy	0.4Ch	171
ELAEBSU	Elaeagnus ebbingei 'Limeglint'	SL	80-100cm	Bushy	0.4Ch	171
ELAEBSU	Elaeagnus ebbingei 'Limeglint'	SL	80-100cm	Bushy	0.4Ch	171
PRULU	Prunus lauratinia	SL	80-100cm	Bushy	0.4Ch	171
					Total: 2349	
Native Mix Species Hedgerow						
Abbr	Species	Supply	Height	Density	Mix %	Number
CORAV	Corylus avellana	T1+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	258
CRAMON	Crataegus monogyna	T1+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	40%	686
LEAQ	Ilex aquifolium	T1+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	10%	173
PRUSP	Prunus spinosa	T1+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	258
ROSCA	Rosa canina	T1+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	10%	173
VIBOP	Viburnum opulus	T1+1: 3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	10%	173
					Total: 1721	
Shrubs						
Abbr	Species	Supply	Pol Size	Height	Habit	Density Number
CALVIALBP	Calluna vulgaris 'Alba Plena'	3L	30-40cm	Bushy	0.6Ch	65
CORALE	Cornus alba 'Elegansissima'	3L	60-80cm	Branched	0.7Ch	105
EUPRO	Euphorbia roboreae	3L	30-40cm	Bushy	0.7Ch	14
HEBPS	Hebe pinguifolia 'Sutherlandii'	3L	30-40cm	Bushy	0.7Ch	77
AUCJAC	Aucuba japonica	3L	60-80cm	Bushy	0.7Ch	30
AUCJACR	Aucuba japonica 'Crotanfolia'	10L	60-80cm	Bushy	0.7Ch	6
AUCJACR	Aucuba japonica 'Crotanfolia'	10L	60-80cm	Bushy	0.7Ch	7
BRASU	Brachyglottis 'Sunshine'	10L	40-60cm	Bushy	0.7Ch	210
BUXSE	Buxus sempervirens	10L	30-40cm	Bushy	0.7Ch	13
CEATHR	Caeanthus thyrsiflorus repens	10L	40-60cm	Bushy	0.7Ch	116
CHOPAP	Choiysia Ascle 'Pearl'	10L	40-60cm	Bushy	0.7Ch	107
CHOTE	Choiysia temata	10L	40-60cm	Bushy	0.7Ch	68
CHOIES	Choiysia temata 'Sundance'	10L	40-60cm	Bushy	0.7Ch	204
ELAPUMA	Elaeagnus pungens 'Maculata'	10L	80-100cm	Bushy	0.7Ch	127
EUPROEG	Eucynymus fortunei 'Emerald V Gold'	10L	30-40cm	Bushy	0.7Ch	195
EUPOEG	Eucynymus fortunei 'Emerald Goldiey'	10L	30-40cm	Bushy	0.7Ch	287
EUJABR	Eucynymus japonicus 'Bravo'	10L	60-80cm	Bushy	0.7Ch	18
AJAJ	Ardisia japonica	10L	40-60cm	Bushy	0.7Ch	14
GRILU	Griselinia littoralis	10L	80-100cm	Bushy	0.7Ch	24
HEBMAR	Hebe 'Marjorie'	10L	40-60cm	Bushy	0.7Ch	178
HEBMW	Hebe 'Mrs Winder'	10L	40-60cm	Bushy	0.7Ch	138
HEBPQ	Hebe 'Purple Queen'	10L	40-60cm	Bushy	0.7Ch	138
HEBAL	Hebe abicicans	10L	30-40cm	Bushy	0.7Ch	32
HEBALRE	Hebe abicicans 'Red Edge'	10L	30-40cm	Bushy	0.7Ch	220
HEBPS	Hebe pinguifolia 'Sutherlandii'	10L	30-40cm	Bushy	0.7Ch	188
HYPH	Hypericum 'Heslop'	10L	40-60cm	Bushy	0.7Ch	123
LAVANH	Lavandula angustifolia 'Hidcole'	10L	30-40cm	Bushy	0.7Ch	231
LAVANH	Lavandula angustifolia 'Munstead'	10L	30-40cm	Bushy	0.7Ch	21
LOHNBG	Lonicera nitida 'Baggers Green Gold'	10L	40-60cm	Bushy	0.7Ch	33
PHOFREER	Phorlitis x fosteri 'Red Robin'	10L	80-100cm	Bushy	0.7Ch	30
PRULAU	Prunus lauracerasus 'Otto Lyken'	10L	60-80cm	Bushy	0.7Ch	173
ROSOFF	Rosmarinus officinalis	10L	40-60cm	Bushy	0.7Ch	40
SARRO	Sarcococco hookeriana	10L	30-40cm	Bushy	0.7Ch	33
SARHOH	Sarcococco humilis	10L	30-40cm	Bushy	0.7Ch	92
SKIJARU	Skimmia japonica 'Rubella'	10L	40-60cm	Bushy	0.7Ch	20
STIGI	Stipa gigantea	10L	Full Pot	0.7Ch	17	
					Total: 3416	
Grasses						
Abbr	Species	Supply	Pol Size	Density	Number	
CARCOC	Carex comans 'Bronze'	3L	0.6Ch	101		
					Total: 101	
Native Shrub Mix						
Abbr	Species	Supply	Height	Mix	Density	Area
CORAL	Cornus alba	1+1: 3 Bks BR	60-80cm	5%	1Ch	88.43m²
CORSA	Cornus sanguinea	1+1: 3 Bks BR	60-80cm	5%	1Ch	88.43m²
CORAV	Corylus avellana	1+1: 3 Bks BR	60-80cm	30%	1Ch	530.51m²
EUPOES	Eucynymus europaeus	1+1: 3 Bks BR	60-80cm	15%	1Ch	265.26m²
LIGVU	Ligustrum vulgare	1+1: 3 Bks BR	60-80cm	15%	1Ch	265.26m²
ROSCA	Rosa canina	1+1: 3 Bks BR	60-80cm	15%	1Ch	265.26m²
VIBOP	Viburnum opulus	1+1: 3 Bks BR	60-80cm	15%	1Ch	265.26m²
					Total: 1768.41m²	Total: 1835
Upland Rush & Grass Species						
Abbr	Species	Supply	Pol Size	Density	Number	
CARPEN	Carex pendula	Bushy	1L	3/m²	99	
DESLE	Deschampsia flexuosa	Bushy	1L	3/m²	99	
JUNEFF	Juncus effusus	Bushy	1L	3/m²	99	
					Total: 187	
Swale Planting						
Abbr	Species	Supply	Density	Number		
PHAU	Phragmites australis	100C Plug	10/m²	857		
					Total: 857	