URBAN TREES

Species	Girth (cm)	Height (cm)	Form	Clear Stem (cm)	Container Size
Acer campestre	14-16	400-450	Extra Heavy Standard	Min 200	RB
Acer platanoides 'Farlakes Green'	14-16	400-450	EHS	175-200	RB
Acer pseudoplatanus	14-16	400-450	Extra Heavy Standard	Min 200	RB
Alnus glutinosa	14-16	400-450	Extra Heavy Standard	Min 200	RB
Amelanchier arborea 'Robin Hill'	14-16	300-350	EHS	175-200	RB
Amelanchier lamarckii	14-16	300-350	Extra Heavy Standard	175-200	RB
Betula pedula	14-16	400-450	Extra Heavy Standard	Min 200	RB
Betula utilis jacquemontii	14-16	400-450	EHS	175-200	75L
Carpinus betulus	14-16	400-450	Extra Heavy Standard	Min 200	RB
Carpinus betulus 'Frans Fontaine'	14-16	400-450	Extra Heavy Standard	Min 200	RB
Gleditsia triacanthos 'Sunburst'	14-16	400-450	Extra Heavy Standard	175-200	RB
Liriodendron tulipifera	18-20	450-500	Extra Heavy Standard	Min 200	RB
Liquidamber styraciflua	18-20	450-600	EHS	Min. 200	RB
Malus floribunda	14-16	400-450	Extra Heavy Standard	175-200	RB
Prunus avium	14-16	400-450	Extra Heavy Standard	175-200	RB
Prunus serrula 'Tibetica'	14-16	400-450	EHS	175-200	RB
Prunus 'Sunset Boulevard'	14-16	400-450	EHS	175-200	RB
Pyrus calleryana 'Chanticleer'	14-16	400-450	EHS	175-200	RB
Quercus petraea	18-20	450-500	EHS	Min. 200	200L
Quercus robur	10-12	300-350	Feathered	-	RB
Sorbus aucuparia	14-16	400-450	Extra Heavy Standard	175-200	RB
Syringa vulgaris 'Madame Lemoine'	-	150-175	Branched	-	35L
Tilia cordata	14-16	400-450	Extra Heavy Standard	175-200	RB

PROPOSED STREET TREES WITHIN POS

Species	Girth (cm)	Height (cm)	Form	Clear Stem (cm)	Container Size
Acer campestre 'William Caldwell'	14-16	400-450	Extra Heavy Standard	Min 200	RB
Acer campestre 'Queen Elizabeth	14-16	400-450	Extra Heavy Standard	Min 200	RB
Carpinus betulus 'Lucas'	14-16	400-450	Extra Heavy Standard	Min 200	RB
Liriodendron tulipifera	16-18	450-500	Extra Heavy Standard	Min 200	RB
Pyrus calleryana 'Chanticleer'	14-16	400-450	Extra Heavy Standard	175-200	RB
Tilia Cordata 'Rancho'	16-18	450-500	Extra Heavy Standard	Min 200	RB
Ulmus 'New Horizon'	16-18	400-450	Extra Heavy Standard	Min 200	RB

PROPOSED ORCHARD TREE PLANTING WITHIN ALLOTMENT

Species	Height (cm)	Form	Root Stock	Clear Stem (cm)	Container Size
Malus domestica 'Charles Ross'	175-200	Half Standard	M25	100-125	15L
Malus domestica 'Ribston Pippin'	175-200	Half Standard	M25	100-125	15L
Pyrus communis 'Humbug'	175-200	Half Standard	Quince A	100-125	15l
Pyrus communis 'Williams Bon Chretien'	175-200	Half Standard	Quince A	100-125	15L

PROPOSED WOODLAND PLANTING
To be planted at 2m spacing

Species	Mix (%)	Girth	Height (cm)	Form	Root condition
Acer campestre	15	6-8	250-300	Feathered; 5 breaks	B
Betula pubescens	10	6-8	250-300	Feathered; 5 breaks	B
Corylus avellana	10	-	60-80	Transplant; 1+2	B
Crataegus monogyna	20	-	60-80	Transplant; 1+1	B
Ilex aquifolium	5	-	60-80	Leader with laterals	3L
Malus sylvestris	15	6-8	250-300	Feathered; 5 breaks	B
Prunus avium	15	-	250-300	Feathered; 5 breaks	B
Salix caprea	10	-	60-80	Cutting; 0/1	B

PROPOSED WOODLAND EDGE HERBACEOUS PLANTING
To be planted at 4m/2

Species	Mix %	Pot Size
Ajuga reptans	12.5	1.5-2L
Anemone nemorosa	12.5	1.5-2L
Asplenium scolopendrium	12.5	1.5-2L
Dryopteris filix-mas	12.5	1.5-2L
Geranium sanguineum	12.5	1.5-2L
Hyacinthoides non-scripta	12.5	9+ (topsize, bulb)
Oxalis acetosella	12.5	9cm
Polygonatum multiflorum	12.5	1.5-2L
Primula vulgaris	12.5	1.5-2L

SPECIES RICH NATIVE HEDGEROW MIX
To be planted at 5 plants per linear metre in a double staggered row, rows will be 40cm apart or as appropriate where infilling gaps in existing hedgerows.

Species	Mix %	Height (cm)	Specification	Root Condition
Carpinus betulus	10	100-125	1+2; Feathered	B
Corylus avellana	10	80-100	1+2; Transplant; Branched; 4 breaks	B
Crataegus monogyna	45	100-125	1+2; Transplant	B
Ilex aquifolium	2.5	80-100	Leader with laterals	3L
Prunus spinosa	5	100-125	1+2; Transplant	B
Rosa canina	2.5	60-80	1+1; Transplant' branched; 3 breaks	B
Salix caprea	15	80-100	0/1 Transplant	B
Quercus robur	10	100-125	1+2 Transplant	B

NATIVE HEDGEROW PLANTING
To be planted at 5 per linear meter in a single row

Species	Mix %	Height (cm)	Form	Age / Times Transplanted	Root Condition
Carpinus betulus	50	60-80	Transplant	1+1	B
Fagus sylvatica	50	60-80	Transplant	1+3	B

NATIVE SHRUB PLANTING MIX 1
To be planted at 1/m2

Species	Mix %	Height/ spread cm	Habit	Container Size
Acer campestre	10	60-80	Transplant	B
Carpinus betulus	10	60-80	Branched; 3 breaks	2L
Corylus avellana	15	60-80	Branched; 3 breaks	2L
Crataegus monogyna	45	60-80	Branched; 3 breaks	3L
Ilex aquifolium	2.5	40-60	Bushy; 3 breaks	3L
Rosa canina	2.5	40-60	Branched; 2 breaks	2L
Viburnum opulus	15	40-60	Branched; 4 breaks	3l

NATIVE SHRUB PLANTING MIX 2 – PLAY SPACE
To be planted at 1/m2

Species	Mix %	Height/ spread cm	Habit	Age	Container Size
Acer campestre	25	60-80	Transplant	B	B
Carpinus betulus	25	60-80	Branched; 3 breaks	2l	B
Corylus avellana	25	60-80	Branched; 3 breaks	3L	B
Viburnum opulus	25	40-60	Branched; 4 breaks	3L	

WET TOLERANT SHRUB PLANTING MIX
To be planted at 1/m2

Species	Mix %	Height/ spread cm	Habit	Age	Container Size
Cornus sanguinea	15	40-60	Branched; 2 breaks	1+1	B
Corylus avellana	20	60-80	Branched; 3 breaks	1+2	B
Crataegus monogyna	30	60-80	Branched; 3 breaks	1+1	B
Frangula alnus	15	40-60	Branched; 3 breaks	n/a	2L
Sambucus nigra	10	60-80	Branched; 3 breaks	1+1	B
Viburnum opulus	10	60-80	Branched; 3 breaks	1+2	B

ORNAMENTAL SHRUBS AND HERBACEAOUS PLANTING

Species	Height/ Spread cm	Root Condition	Habit	Density (per m²)
Astrantia major	-	Full Pot	3L	4
Allium giganteum	-	3 L	-	8
Anemone x hybrida 'Honorine Jobert'	-	3 L	-	7
Bergenia cordifolia 'Bressingham White'	-	3 L	-	5
Calamagrostis x acutiflora 'Karl Foerster'	-	3 L	-	5
Carex testacea	-	3 L	Full Pot	7
Cistus x pulverulentus 'Sunset'	20-30	Bushy	3L	3
Deschampsia cespitosa	-	3 L	-	7
Echinacea 'White Swan'	-	3 L	-	6
Eryngium giganteum	-	3 L	-	6
Euonymus fortunei 'Emerald Gaiety'	30-40cm	5 L	Bushy	4
Gaura lindheimeria	-	3 L	-	5
Helianthus 'Lemon Queen'	-	3 L	Bushy	6
Hebe rakaiensis	30-40cm	5 L	Bushy	4
Lavandula angustifolia 'Hidcote'	-	3 L	-	5
Perovskia 'Blue Spire'	-	5 L	-	4
Philadelphus 'Manteau d'Hermaine'	40-60cm	5 L	Branched	4
Physocarpus 'Amber Jubilee'	30-40	3 L	Branched	3
Pittosporum tenuifolium 'Tom Thumb'	15-20	3 L	Bushy	3
Rudbeckia 'Early Bird Gold'	-	3 L	-	6
Salvia officinalis 'Icterina'	-	3 L	-	7
Verbena bonariensis	-	3 L	-	7

To be planted in groups of 5- 7 plants per species and avoid man made grids.

RAIN GARDEN PLANTING

Species	Height /Diameter (cm)	Specification	Root Condition	Density (per m²)
Bergenia cordifolia	-	Full Pot	2L	5
Campanula glomerata 'Superba'	-	Full Pot	2L	4
Carex Testacea 'Prairie Fire'	-	Full Pot	2L	5
Cornus sericea 'Kelseyi'	30-40	Several Shoots	2L	5
Crocus chrysanthus 'Snow Bunting'	-	Grade 5/7	-	10
Deschampsia cespitosa	-	Full Pot	2L	4
Geranium macrorrhizum 'Album'	-	Full Pot	2L	4
Hebe rakaiensis	15-20 (D)	Bushy	2L	4
Inula hookeri	-	Full pot	2L	3
Iris sibirica	-	Full Pot	2L	4
Phlomis russeliana	-	Full Pot	2L	4
Rudbeckia hirta	-	Full Pot	2L	3
Veronicastrum virginicum 'Album'	-	Full Pot	2L	2

MARGINAL PLANTING
To be planted at 5 per m²

Species	Height (cm)	Form	Root Condition
Caltha palustris	-	Full Pot	1L
Dryopteris filix-mas	-	Full pot	1L
Filipendula ulmaria	-	Full pot	2L
Iris pseudacorus	-	Full pot	2L
Juncus effusus	-	Full pot	2L
Luzula nivea	-	Full pot	2l

BULB PLANTING

Species	Size	Density (m2)
Galanthus nivalis	6/+ (Topsize)	20
Narcissus pseudonarcissus	7/+ (Topsize)	20
Tulip sylvestris	6/+ (Topsize)	20

WILDFLOWER MEADOW MIX
Emorsgate EM3 Special General Purpose Meadow Mixture –Mixture to be sown at a rate of 4g/m2.

%	Latin Name	Common Name
	Wildflowers (20%)	
0.4	Anthyllis vulneraria	Kidney Vetch
1.6	Centaurea nigra	Common Knapweed
0.6	Centaurea scabiosa	Greater Knapweed
0.1	Chaerophyllum temulum	Rough Chervil
0.4	Cruciata laevipes	Crosswort
1	Daucus carota	Wild Carrot
0.2	Echium vulgare	Viper's-bugloss
1	Galium album	Hedge Bedstraw
0.7	Galium verum	Lady's Bedstraw
0.1	Geranium pratense	Meadow Crane's-bill
0.8	Knautia arvensis	Field Scabious
0.2	Lathyrus pratensis	Meadow Vetchling
1	Leucanthemum vulgare	Oxeye Daisy
2.4	Malva moschata	Musk Mallow
0.6	Medicago lupulina	Black Medick
0.4	Origanum vulgare	Wild Marjoram
2.2	Plantago lanceolata	Ribwort Plantain
0.4	Plantago media	Hoary Plantain
7	Poterium sanguisorba ssp sanguisorba	Salad Burnett
0.4	Primula veris	Cowslip
0.2	Prunella vulgaris	Selfheal
1.4	Rhinanthus minor	Yellow Rattle
0.2	Sanguisorba officinalis	Great Burnet
1	Silene dioica	Red Campion
0.2	Silene vulgaris	Bladder Campion
0.3	Vicia cracca	Tufted Vetch
0.2	Vicia sativa ssp segetalis	Common Vetch
	Grasses (80%)	
8	Agrostis capillaris	Common Bent
28	Cynosurus cristatus	Crested Dogstail
24	Festuca rubra	Red Fescue
4	Phleum bertolonii	Smaller Cat's-tail
16	Poa pratensis	Smooth-stalked Meadow-grass

WETLAND MEADOW MIX FOR THE BASE OF BASINS
Mixture to be sown at a rate of 4g/m2.

%	Latin Name	Common Name
	Wildflowers (20%)	
2	Achillea millefolium	Yarrow
0.6	Agrimonia eupatoria	Agrimony
3.6	Centaurea nigra	Common Knapweed
1	Filipendula ularia	Meadowsweet
2	Galium verum	Lady's Bedstraw
0.2	Geum rivale	Water avens
0.5	Lathyrus pratensis	Meadow Vetchling
0.1	Leontodon hispidus	Rough Hawkbit
1.2	Leucanthemum vulgare	Oxeye Daisy (Moon Daisy)
0.1	Lotus corniculatus	Birdsfoot Trefoil
0.4	Lotus pedunculatus	Greater Birdsfoot Trefoil
3.3	Plantago lanceolata	Ribwort Plantain
0.2	Primula veris	Cowslip
0.1	Prunella vulgaris	Selfheal
0.4	Ranunculus acris	Meadow Buttercup
1.4	Rhinanthus minor	Yellow Rattle
1.2	Rumex acetosa	Common Sorrel
1	Sanguisorba officinalis	Great Burnet
0.3	Silene flos-cuculi	Ragged Robin
0.1	Succisa pratensis	Devil's-bit Scabious
0.4	Vicia cracca	Tufted Vetch
	Grasses (80%)	
4	Agrostis capillaris	Common Bent (w)
4	Anthoxanthum odoratum	Sweet Vernal-grass (w)
2	Carex divulsa ssp divulsa	Grey Sedge (w)
38.4	Cynosurus cristatus	Crested Dogstail
16	Deschampsia cespitosa	Tufted Hair-grass (w)
20	Festuca rubra	Red Fescue
4	Hordeum secalinum	Meadow Barley (w)
8	Poa trivialis	Rough-stalked Meadowgrass
2.4	Schedonorus arundinaceus	Tall Fescue

SEMI-SHADE MEADOW MIX
Emorsgate EM1 Hedgerow Meadow Mixture Mixture to be sown at a rate of 4g/m2.

%	Latin Name	Common Name
	Wildflowers (20%)	
0.1	Achillea millefolium	Yarrow
1	Alliaria petiolata	Garlic Mustard
0.0	Anthriscus sylvestris	Cow Parsley
1.5	Carex divulsa ssp divulsa	Grey Sedge
2	Centaurea nigra	Common Knapweed
3	Chaerophyllum temulum	Rough Chervil
2	Cruciata laevipes	Crosswort
0.2	Dipsacus fullonum	Wild Teasel
0.5	Galium album	Hedge Bedstraw
0.1	Geranium pratense	Meadow Crane's-bill
1	Geranium pyrenaicum	Hedge Crane's-bill
0.3	Geum urbanum	Wood Avens
0.2	Knautia arvensis	Field Scabious
1	Leucanthemum vulgare	Oxeye Daisy
1	Malva moschata	Musk Mallow
2	Plantago lanceolata	Ribwort Plantain
3	Silene dioica	Red Campion
0.6	Silene flos -cuculi	Ragged Robin
0.1	Torilis japonica	Upright Hedge-parsley
	Grasses (80%)	
1	Agrostis capillaris	Common Bent (w)
2	Anthoxanthum odoratum	Sweet Vernal-grass (w)
1	Brachypodium sylvaticum	False Brome (w)
50	Cynosurus cristatus	Crested Dogstail
2	Deschampsia cespitosa	Tufted Hair-grass (w)
20	Festuca rubra	Red Fescue (w)
4	Poa nemoralis	Wood Meadow-grass

FLOWERING LAWN MIXTURE
Emorsgate EL1 Flowering Lawn Mixture to be sown at a rate of 4g/m2.

%	Latin name	Common name
	Wildflowers (20%)	
1	Achillea millefolium	Yarrow
1	Anthyllis vulneraria	Kidney Vetch
0.4	Betonica officinalis	Betony
1.5	Centurea nigra	Common Knapweed
0.4	Galium album	Hedge Bedstraw
1.5	Galium verum	Lady's Bedstraw
0.4	Knautia arvensis	Field Scabious
0.4	Leontodon hispidus	Rough Hawkbit
1	Leucanthemum vulgare	Oxeye Daisy
0.6	Lotus corniculatus	Birdsfoot Trefoil
1	Medicago lupulina	Black Medick
0.4	Plantago lanceolata	Ribwort Plantain
2	Plantago media	Hoary Plantain
2	Primula veris	Cowslip
0.4	Prunella vulgaris	Selfheal
0.4	Ranunculus acris	Meadow Buttercup
1.6	Ranunculus bulbosus	Bulbous Buttercup
4	Trifolium repens	White Clover (ag)
	Grasses (80%)	
8	Agrostis capillaris	Common Bent
28	Cynosurus cristatus	Crested Dogstail
24	Festuca rubra	Red Fescue
4	Phleum bertolonii	Smaller Cat's-tail
16	Poa pratensis	Smooth-stalked Meadow-grass

TUSSOCK GRASS MIXTURE
Emorsgate EG10 Tussock Grass Mixture Mixture to be sown at a rate of 5g/m2.

%	Latin name	Common name
	Grasses (100%)	
5	Alopecurus pratensis	Meadow Foxtail (w)
25	Cynosurus cristatus	Crested Dogstail
20	Dactylis glomerata	Cocksfoot (w)
15	Festuca rubra ssp rubra	Strong-creeping Red-fescue
10	Holcus lanatus	Yorkshire Fog
5	Lolium perenne	Perennial Ryegrass (w)
8	Poa pratensis	Smooth-stalked Meadow grass
12	Schedonorus arundinaceus (Festuca arundinacea)	Tall Fescue (w)

R11 - Phase 2B South Wokingham SDL - Detailed POS Soft Landscaping Proposals (Sheet 4 of 4)

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