

NATIVE TREE PLANTING Strategic and Public Open Space Areas

Species	Form	Girth cm	Height cm	Root condition	Quantity
Acer campestre	EHS	14-16	425-600	65/65 L	24
Alnus glutinosa	EHS	14-16	425-600	65/65 L	15
Betula pendula	EHS	14-16	425-600	65/65 L	17
Betula pubescens	EHS	14-16	425-600	65/65 L	16
Carpinus betulus	EHS	14-16	425-600	65/65 L	19
Fagus sylvatica	EHS	14-16	425-600	65/65 L	15
Malus domestica	EHS	14-16	425-600	65/65 L	6
Prunus domestica	EHS	14-16	425-600	65/65 L	4
Populus tremula	EHS	14-16	425-600	65/65 L	18
Tilia cordata	EHS	14-16	425-600	65/65 L	10
Quercus robur	EHS	14-16	425-600	65/65 L	15
Sorbus aucuparia	EHS	14-16	425-600	65/65 L	11

ORNAMENTAL TREE PLANTING Side Roads, On Plot and Car Parking Areas

Species	Form	Girth cm	Height cm	Root condition	Quantity
Carpinus betulus 'Frans Fontaine'	EHS	14-16	425-600	65/65 L	15
Tilia cordata 'Greenspire'	EHS	14-16	425-600	65/65 L	24
Sorbus commixta Embrey	EHS	14-16	425-600	65/65 L	20

NATIVE HEDGING

Species	Height/Spread cm	Pot size (Lites)	Habit	Mix of breaks No. /m2
Carpinus betulus	60-80	2L	Feathered	4 5/lin m
Fagus sylvatica	60-80	2L	Feathered	4 5/lin m
Ligustrum vulgare	60-80	2L	Feathered	4 5/lin m

NATIVE STRUCTURE MIX @ 1M CTRS

Species	Root Condition	Age + Times Transpl	Height cm	Quantity Area 5	Quantity Area 6	Total Quantity
Acer campestre (15%)	Bagged	2x	150-175	42	42	84
Crataegus monogyna (20%)	Bagged	1+1	40-60	56	56	112
Corylus avellana (20%)	Bagged	1+1	40-60	56	56	112
Cornus sanguineum (15%)	Bagged	1+1	40-60	42	42	84
Malus sylvestris (10%)	Bagged	1+2	100-125	28	28	56
Prunus spinosa (10%)	Bagged	1+1	40-60	28	28	56
Sambucus nigra (10%)	Bagged	1+2	40-60	28	28	56

NATIVE HEDGE TRANSPLANTS at 7 per linear metre, triple staggered row

Species	Root Condition	Age + Times Transpl	Height cm	Quantity Area 1	Quantity Area 2	Quantity Area 3	Quantity Area 4	Total Quantity
Acer campestre (20%)	Bagged	1+1	40-60	666	242	244	123	1275
Crataegus monogyna (30%)	Bagged	1+1	40-60	999	363	367	184	1913
Corylus avellana (10%)	Bagged	1+1	40-60	333	121	122	61	637
Cornus sanguineum (10%)	Bagged	1+1	40-60	333	121	122	61	637
Eucornus europaeus (10%)	Bagged	1+1	40-60	333	121	122	61	637
Ilex aquifolium (10%)	3L	-	40-60	333	121	122	61	637
Prunus spinosa (10%)	Bagged	1+1	40-60	333	121	122	61	637

SHRUB PLANTING - Including species for the RHS Plants for Pollinators Lists

Species	Height/Spread cm	Pot size (Lites)	Habit	Mix of breaks No. / m2
Berberis 'Amstelveen'	20-30	2L	Bushy	3 3
Bergenia cordifolia	15-20	3L	-	5
'Purpurea'	20-30	2L	Bushy	5
Buxus sempervirens 'Faulkner'	30-40	3L	Bushy	5
Berberis thunbergii atropurpurea 'Nana'	20-30	2L	Bushy	3 5
Cistus corbatiensis	30-40	3L	Bushy	4 3
Cornus alba 'Elegantissima'	40-60	3L	Branched	3 1.5
Cornus alba 'Kesselringii'	40-60	3L	Branched	4 1.5
Carex obovata Evergold	20-30	2L	-	5
Cotoneaster 'Skopholm'	30-40	3L	Spreading	3 3
Cistus 'Silver Pink'	30-40	3L	Bushy	4 3
Cornus sanguinea 'Midwinter Fire'	40-60	3L	Branched	3 3
Chiosya ternata	30-40	3L	Bushy	7 1.5
Elaeagnus x ebringii	60-80	3L	Bushy	3 1.5
Eucornus 'Emerald n' Gold'	20-30	3L	Bushy	7 5
Eucornus 'Emerald Gaely'	20-30	3L	Bushy	7 5
Geranium Johnsons Blue	20-30	2L	-	5
Hebe abicans Red Edge	20-30	3L	Bushy	5 3
Hebe rakienensis	20-30	3L	Bushy	5 3
Hypericum 'Hidcote'	30-40	3L	Bushy	5 2
Hebe 'Mrs Winder'	20-30	3L	Bushy	7 3
Heuchera 'Sugar Frosting'	20-30	2L	-	5
Lavandula 'Hidcote'	20-30	3L	Bushy	5 5
Lonicera 'Maygreen'	30-40	2L	Bushy	3 3
Mahonia 'Appollo'	30-40	3L	Bushy	4 2.5
Olearia haastii	30-40	3L	Bushy	2 3
Osmanthus burkwoodii	30-40	3L	Bushy	5 1.5
Potentilla 'Abbotswood'	30-40	3L	Bushy	4 2.5
Potentilla 'Elizabeth'	30-40	4L	Bushy	6 2.5
Potentilla 'Red Ace'	30-40	3L	Bushy	4 2.5
Prunus 'Otto Luyken'	30-40	3L	Bushy	4 2.5
Photinia x Fraseri 'Red Robin'	40-60	3L	Branched	6 1.5
Rosa 'Kent'	30-40	3L	Bushy	4 3
Rosa 'Hertfordshire'	30-40	3L	Bushy	3 3
Rubus 'Betty Ashburner'	30-40	3L	Branched	5 3
Spiraea 'Anthony Waterer'	30-40	3L	Branched	5 3
Spiraea 'Goldflame'	20-30	2L	Bushy	5 3
Symphoricarpos 'Hancock'	40-60	3L	Branched	2 2
Sarcococa hookeriana	30-40	3L	Bushy	3 3
Skimmia 'Kew White'	30-40	3L	Bushy	3 3
Skimmia japonica 'Rubella'	30-40	3L	Bushy	3 3
Senecio 'Sunshine'	30-40	3L	Bushy	4 2
Viburnum davidii	30-40	3L	Bushy	3 3
Viburnum tinus 'Eve Price'	30-40	3L	Bushy	7 1.5

POND EDGE (planted randomly - up to 0.5m above settled water level)

Species	Root condition	No. /m2	Area A	Area B	Area C	Area D	Area E	Area F	Area G	Total
Callitha palustris	P9/0.5lt	3	5	6	4	8	8	8	4	43
Carex acutiformis	P9/0.5lt	3	5	6	4	8	8	8	4	43
Filipendula ulmaria	P9/0.5lt	3	5	6	4	8	8	8	4	43
Myosotis scorpioides	P9/0.5lt	3	5	6	4	8	8	8	4	43

AQUATIC MARGINALS (planted randomly - to 0.3m below settled water level)

Species	Root condition	No. / m2	Area A	Area B	Area C	Area D	Area E	Area F	Area G	Total
Alitriche stagnalis	P9/0.5lt	2	4	5	3	7	7	7	3	36
Hydrocharis morsus ranae	P9/0.5lt	2	4	5	3	7	7	7	3	36
Ranunculus aquatilis	P9/0.5lt	2	4	5	3	7	7	7	3	36
Stratiotes aloides	P9/0.5lt	2	4	5	3	7	7	7	3	36

Amenity Grass Areas Emorsgate EL1 Flowering Lawn Mix sown at 4gms/m2

Wild Flowers

%	Latin name	Common name
4	Galium verum	Lady's Bedstraw
0.5	Leontodon hispidus	Rough Hawkbit
1	Leucanthemum vulgare	Oxeye Daisy
3.7	Lotus corniculatus	Birdfoot Trefoil
3	Primula veris	Cowslip
4	Prunella vulgaris	Selfheal
3.5	Ranunculus acris	Meadow Buttercup
0.3	Trifolium pratense	Wild Red Clover

Grasses

%	Latin name	Common name
8	Agrostis capillaris	Common Bent
40	Cynosurus cristatus	Crested Dogtail
28	Festuca rubra	Slender-creeping Red-fescue
4	Phleum bertolonii	Smaller Cat's-tail
80		

Grassland Mixture - Adjacent Native Hedgerow Planting Areas Emorsgate EH1 Hedgerow Mixture sown at 4gms/m2

Wild Flowers

%	Latin name	Common name
0.5	Achillea millefolium	Yarrow
1	Agrimonia eupatoria	Agrimony
1.5	Alliaria petiolata	Garlic Mustard
3.5	Centaurea nigra	Common Knapweed
2	Galium album - (Galium mollugo)	Hedge Bedstraw
2.2	Geum urbanum	Wood Avena
0.3	Hypericum perforatum	Pertwinkle St John's Wort
1.5	Leucanthemum vulgare	Oxeye Daisy
0.5	Plantago lanceolata	Ribwort Plantain
0.5	Primula veris	Cowslip
2	Prunella vulgaris	Selfheal
2	Silene dioica	Red Campion
2	Silene vulgaris	Bladder Campion
0.5	Stachys sylvatica	Hedge Woundwort
1	Tortilis japonica	Upright Hedge-parasley
0.5	Tragopogon pratensis	Goat's-beard
1.5	Vicia cracca	Tufted Vetch

Grasses

%	Latin name	Common name
10	Agrostis capillaris	Common Bent
1	Anthoxanthum odoratum	Sweet Vernal-grass (w)
6	Brachypodium sylvaticum	False Brome (w)
35	Cynosurus cristatus	Crested Dogtail
2	Deschampsia cespitosa	Tufted Hair-grass (w)
26	Festuca rubra	Slender-creeping Red-fescue
80		

Grassland Mixture - Adjacent SuDs Basins and Swales Emorsgate EP1 Pond Edge Mix sown at 1.5gms/m2

Wildflower

%	Latin name	English name
0.5	Achillea ptarmica	Sneezewort
1.6	Alisma plantago-aquatica	Water plantain
2.5	Angelica sylvestris	Wild angelica
0.5	Eupatorium cannabinum	Hemp agrimony
3.0	Filipendula ulmaria	Meadowweet
1.2	Geum rivale	Water avens
0.5	Hypericum tetraetrum	Square-stalked St Johns wort
3.0	Iris pseudacorus	Yellow iris
1.2	Lotus pedunculatus	Greater birdfoot trefoil
1.2	Lychnis flos-cuculi	Ragged robin
1.0	Lycopus europaeus	Gipsywort
0.5	Lythrum salicaria	Purple loosestrife
0.3	Pulsatilla dysenterica	Fishbane
0.5	Scutellaria galericulata	Skullcap
1.0	Thalictrum flavum	Common meadow rue
1.5	Vicia cracca	Tufted vetch

Grassland Mixture - Strategic Open Space Area to East (Floodplain) Emorsgate EMS Special General-Purpose Meadow Mixture sown at 4gms/m2

Wild Flowers

%	Latin name	Common name
0.5	Achillea millefolium	Yarrow
0.5	Centaurea nigra	Common Knapweed
1.8	Centaurea scabiosa	Greater Knapweed
0.6	Daucus carota	Wild Carrot
0.5	Filipendula ulmaria	Meadowweet
1	Galium album - (Galium mollugo)	Hedge Bedstraw
1	Galium verum	Lady's Bedstraw
1	Knautia arvensis	Field Scabious
0.2	Leontodon hispidus	Rough Hawkbit
1	Leucanthemum vulgare	Oxeye Daisy
0.5	Lotus corniculatus	Birdfoot Trefoil
0.2	Plantago media	Hoary Plantain
1.5	Poterrum sanguisorba - (Sanguisorba minor)	Salad Burnet
0.6	Primula veris	Cowslip
1	Prunella vulgaris	Selfheal
2.5	Ranunculus acris	Meadow Buttercup
1	Ranunculus bulbosus	Yellow Rattle
1	Rhinanthus minor	Common Sorrel
0.4	Rumex acetosa	Red Campion
1.5	Silene dioica	Bladder Campion
1	Silene vulgaris	Tufted Vetch
20	Vicia cracca	

Grasses

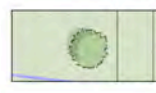
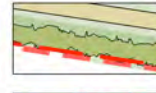
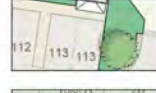
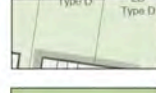
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Grasses

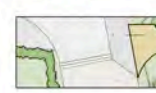
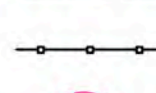
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40	Festuca rubra	Slender-creeping Red-fescue
80	Phleum bertolonii	Smaller Cat's-tail

KEY

Soft Landscaping

-  Existing Trees/Vegetation Retained
-  Proposed Tree Planting
-  Proposed Native Structure Mix Planting
-  Proposed Mixed Native Hedge Transplants
-  Proposed Single Species Native Hedge
-  Proposed Shrub Planting - On plot hardy, mixed shrub planting, including species from RHS Plants for Pollinators
-  Proposed Amenity and Rear Garden Grass - Hardy flowering lawn mixture for amenity areas and turf for rear gardens
-  Proposed Grassland - Native wildflower mixes and grassland mixes, for adjacent Suds features and aligning new buffer planting and open space area to east
-  Proposed Grassland - Damp Tolerant Native wildflower mixes and grassland mixes for Suds features
-  Proposed Lawn Mixture - Flowering Lawn Mixture
-  Proposed Marginal Planting - Aquatic marginals planted 0.5m above and below anticipated water line

Hard Landscaping

-  Proposed Highway Access and Paths - Tarmac path with conservation kerb edging
-  Proposed Shared Surface, Driveways and Parking - 'Burnt Ochre' Tegula Priora Block Paving' stretcher bond
-  Proposed Shared Surface, Driveways and Parking - 'Harvest' Tegula Priora Block Paving' stretcher bond
-  Proposed Transitions Paving - 'Pearlant Grey' Tegula Priora Block Paving' stretcher bond
-  Proposed Paving - Front garden paths, Textured 'Buff' 450x450mm
-  Proposed Path - Wayfarer Gravel, Surfacing TBC.
-  Proposed Bench
-  Proposed Play Area - Grass Safety Surfacing
-  Proposed 0.5m High Cleft Natural Style Treated Timber Knee Rail
-  BS: 5837: 2012 Root Protection Area
-  Existing Water Main with 3m buffer either side
-  Existing Foul Sewer with 3m buffer either side

