

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+1	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	686	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 5
Buxus sempervirens 'Faulkner'	20-30	3L	Bushy	5 5
Berberis thunbergii atropurpurea 'Nana'	20-30	2L	Bushy	3 3
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 ebbingei	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 albertiana 'Red Edge'	20-30	3L	Bushy	5 3
Hebe rakianensis	20-30	3L	Bushy	5 3
Hypericum 'Hidote'	30-40	3L	Bushy	5 2
Hebe 'Mrs Winder'	20-30	3L	Bushy	7 3
Heuchera 'Sugar Frosting'	20-30	2L	-	5
Lavandula 'Hidote'	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
Sarcococca hookeriana	30-40	3L	Bushy	4 2.5
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 2.5
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
Callith 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
Alfritche 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
4	Galium verum
0.5	Leontodon hispidus
1	Leucanthemum vulgare
3	Lotus corniculatus
3	Lotus corniculatus
3	Primula veris
4	Prunella vulgaris
3.5	Ranunculus acris
0.3	Trifolium pratense

Grasses

%	Latin name
8	Agrostis capillaris
40	Cynosurus cristatus
28	Festuca rubra
4	Phleum bertolonii
8	Phleum bertolonii

Common name

Lady's Bedstraw
Rough Hawkbit
Oxeye Daisy
Birdfoot Trefoil
Cowslip
Selfheal
Meadow Buttercup
Wild Red Clover

Common name

Crested Dogtail
Slender-creeping Red-fescue
Smaller Cat's-tail

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	Agromonia eupatori	Agromony
1.5	Alliaria petiolata	Garlic Mustard
3.5	Centaurea nigra	Common Knapweed
2	Galium album - (Galium mollugo)	Hedge Bedstraw
2.2	Geum urbanum	Wood Aven
0.3	Hypericum perforatum	Perticrate 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 birdsfoot trefoil
1.2	Lychnis flos-cuculi	Ragged robin
1.0	Lycopus europaeus	Gipsywort
0.5	Lythrum salicaria	Purple loosestrife
0.3	Pulsatilla dysenterica	Fiebbane
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	Vicia cracca	Tufted Vetch

Grasses

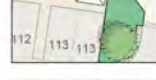
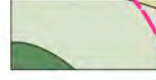
%	Latin name	Common name
8	Agrostis capillaris	Common Bent
8	Cynosurus cristatus	Crested Dogtail
28	Festuca rubra	Slender-creeping Red-fescue
80		

Common name

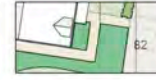
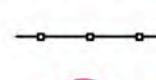
Slender-creeping Red-fescue
Smaller Cat's-tail

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 - 'Pernant 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



Revision	Description	Date
A	First issue	20/11/20
B	Second issue	14/12/20
C	Third issue	3/3/21
D	Fourth issue	6/1/21
E	Fifth issue	2/8/21

LANDARB SOLUTIONS

Project:	Land at Woodgate Centre, Westergate
Description:	Hard and Soft Landscape Proposals Plan - Sheet 1 of 2
Status:	For Planning
Scale:	1:500 @A0
Job Number:	LAS 103
Drawing Number:	05