NATIVE TREE PLANTING
Strategic and Public Open Space Areas

Species	Form	Girth cm	Height cm	Root condition	Quantity
Acer campestre	EHS	1416	425-600	65/85 L	24
Alnus glutinosa	EHS	1416	425-600	65/85 L	15
Betula pendula	EHS	1416	425-600	65/85 L	17
Betula pubescens	EHS	1416	425-600	65/85 L	16
Carpinus betulus	EHS	1416	425-600	65/85 L	19
Fagus sylvatica	EHS	1416	425-600	65/85 L	15
Malus domestica	EHS	1416	425-600	65/85 L	6
Prunus domestica	EHS	1416	425-600	65/85 L	4
Populus tremula	EHS	1416	425-600	65/85 L	18
Tilia cordata	EHS	1416	425-600	65/85 L	10
Quercus robur	EHS	1416	425-600	65/85 L	15
Sorbus aucuparia	EHS	1416	425-600	65/85 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	1416	425-600	65/85 L	15
Tilia cordata 'Greenspire'	EHS	1416	425-600	65/85 L	24
Sorbus commixta 'Embley'	EHS	1416	425-600	65/85 L	20

NATIVE HEDGING

Species	Height/ spread cm	Pot size (Litres)	Habit	Min no. of plants per linear m	No. / m2
Carpinus betuus	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/lin m

NATIVE STRUCTURE MIX @ 1M CTRS

Species	Root Condition	Age + Shape Transpl	Height cm	Quantity Area 5	Quantity Area 5	Total Quantity
Acer campestre (15%	Bagged	2x	150-175	42	42	84
Crataegus monogyna(20%)	Bagged	1+1	40-50	56	56	112
Corylus avellana (20%)	Bagged	1+1	40-50	56	56	112
Cornus sanguineum (15%)	Bagged	1+1	40-50	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	40-50	28	28	56

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

Species	Root Condition	Age + Shape Transpl	Height cm	Quantity Area 1	Quantity Area 2	Quantity Area 3	Quantity Area 4	Total Quantity
Acer campestre (20%)	Bagged	1+1	40-50	666	142	244	123	1275
Crataegus monogyna(30%)	Bagged	1+1	40-50	999	563	367	184	1913
Corylus avellana (10%)	Bagged	1+1	40-50	333	121	122	61	637
Cornus sanguineum (10%)	Bagged	1+1	40-50	333	121	122	61	637
Euonymus europaeus (10%)	Bagged	1+1	40-50	333	121	122	61	637
Ilex aquifolium (10%)	BL	-	40-50	333	121	122	61	637
Prunus spinosa (10%	Bagged	-	40-60	333	121	122	61	637

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

Species	Height/ spread cm	Pot size (Litres)	Habit	Min no. of plants per sq.m	No. / m2
Berberis 'Amstelveen'	20-30	2L	Bushy	3	3
Bergenia cordifolia 'Purpurea'	15-20	3L	-	-	5
Buxus sempervirens 'Faulkner'	30-40	3L	Bushy	5	5
Berberis thunbergii atropurpurea 'Rana'	20-30	2L	Bushy	3	5
Cistus corbariensis	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
Cornus alba 'Elegantissima'	40-60	3L	Branched	3	1.5
Carex oshimensis 'Evergold'	20-30	2L	-	-	5
Cotoneaster 'Skogholm'	30-40	3L	Spreading	3	3
Cistus 'Silver Pink'	30-40	3L	Bushy	4	3
Cornus sanguinea 'Midwinter Fire'	40-60	3L	Branched	3	4
Choisya ternata	30-40	3L	Bushy	7	1.5
Elaeagnus x ebbingei	60-80	3L	Bushy	3	1.5
Euonymus 'Emerald 'n' Gold'	20-30	3L	Bushy	7	5
Euonymus 'Emerald Gaiety'	20-30	3L	Bushy	7	5
Geranium 'Johnsons Blue'	20-30	2L	-	-	5
Hebe albicans 'Red Edge'	20-30	3L	Bushy	5	3
Hebe rakaiensis	20-30	3L	Bushy	5	3
Hypericum 'Hiccote'	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	3	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	3	2
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
Symphericarpos '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
Caltha palustris	PB/O.St	:	5	6	4	8	8	8	4	43
Carex acutiformis	PB/O.St	:	5	6	4	8	8	8	4	43
Filipendula ulmaria	PB/O.St	:	5	6	4	8	8	8	4	43
Myosotis scorpioides	PB/O.St	:	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	PB/O.St	:	4	5	3	7	7	7	3	36
Hydrocharis morsus ranae	PB/O.St	:	4	5	3	7	7	7	3	36
Ranunculus aquatilis	PB/O.St	:	4	5	3	7	7	7	3	36
Stratiotes aloides	PB/O.St	:	4	5	3	7	7	7	3	36

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

Wild Flowers

%	Latin name	Common name
4	Galium verum	Ladys Bedstraw
0.5	Leontodon hispidus	Rough Hawkbit
1	Leucanthemum vulgare	Oxeye Daisy
3.7	Lotus corniculatus	Birdsfoot Trefoil
3	Primula veris	Cowslip
4	Prunella vulgaris	Selfheal
3.5	Ranunculus acris	Meadow Buttercup
0.3	Trifolium pratense	Wild Red Clover
20		

Grasses

%	Latin name	Common name
8	Agrostis capillaris	Common Bent
40	Cynosurus cristatus	Crested Dogstail
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
0.5	Anthriscus nitra	Common Knapweed
2	Galium album - (Galium mollugo)	Hedge Bedstraw
2.2	Geum urbanum	Wood Avens
0.3	Hypericum perforatum	Perforate St John's Wort
1.5	Leucanthemum vulgare	Oxeye Daisy
0.5	Plantago lanceolata	Ribwort Plantain
0.5	Primus veris	Cowslip
2	Prunella vulgaris	Selfheal
2	Silene dioica	Red Campion
2	Silene vulgaris	Bladder Campion
0.5	Stachys sylvatica	Hedge Woundwort
1	Torilis japonica	Upright Hedge-parsley
0.5	Tragopogon pratensis	Goats-beard
1.5	Vicia cracca	Tufted Vetch
20		

Grasses

%	Latin name	Common name
10	Agrostis capilaris	Common Bent
1	Anthoxanthum odoratum	Sweet Vernalgrass (w)
6	Brachypodium sylvaticum	False Brome (w)
35	Cynosurus cristatus	Crested Dogstail
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 EdgeMix sown at 1.6gms/m2

%	Latin name	English name
	Wildflower	
0.5	Achilea 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	Meadowsweet
1.2	Geum rivale	Water avens
0.5	Hypericum tetrapterum	Square-stalked St Johns wort
3.0	Iris pseudacorus	Yellowiris
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	Pulicaria dysenterics	Fleabane
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 EM5 Special Semera-Purpose Meadow Mixture sown at 4gms/m2

Wild Flowers

%	Latin name	Common name
0.5	Achilea millefolium	Yarrow
0.5	Centaurea vigra	Common Knapweed
1.5	Centaurea scabiosa	Greater Knapweed
0.5	Daucus carota	Wild Carrot
0.5	Filipendula ulmaria	Meadowsweet
1	Galium album - (Galium mollugo)	Hedge Bedstraw
1	Galium verum	Ladys Bedstraw
1	Knautia arvensis	Field Scabious
0.2	Leontodon hispidus	Rough Hawkbit
1	Leucanthemum vulgare	Oxeye Daisy
0.2	Lotus corniculatus	Birdsfoot Trefoil
0.2	Plantago media	Hoary Plantain
1.5	Potelium sunguisoba - (Sanguisorba minor)	Salad Burnet
0.8	Primula veris	Cowslip
1	Prunella vulgaris	Selfheal
2.5	Ranunculus acris	Meadow Buttercup
1	Ranunculus bulbosus	Bulbous Buttercup
1	Rhaanthus minor	Yellow Rattle
0.4	Rumex acetosa	Common Sorrel
1	Silene dioica	Red Campion
1.5	Silene vulgaris	Bladder Campion
1	Vicia cracca	Tufted Vetch
20		

Grasses

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



N

0 100m

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
- Proposec Amenity and Rear Garden Grass - Harcy 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 anticipatedwater line

Hard Landscaping

- Proposec Highway Access anc 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 - 'Pennant Grey' Tegula Priora Block Paving stretcher bonc
- Proposed Paving - Front garden paths, Textured 'Buff' 450x450mm
- Proposed 2m wide Path - Breedon gravel with timber edging
- Proposed 3m wide leisure cycle/footway- Breedon gravel with timber edging
- 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 Mair with 3m buffer either side
- Existing Foul Sewer with 3m buffer either side

Revision	Description	Date
-	First issue	09/11/20
A	Second issue	14/12/20
B	Third issue	1/5/21
C	Fourth issre	1/7/21
D	Fifth issue	1/8/21
E	Sixth issu	11/10/21

LANDARB SOLUTIONS

Project:
Land at Woodgate Centre, Westergate

Description:
Hard and Soft Landscape Proposals Plan - Sheet 1 of 2

Status:
For Planning

Scale:	Drawn	Checked	Date:
1:500 @A3	DP	MP	21/10/2021
Job Number:	Drawing Number:		Revision:
LAS 103	05		E