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Phase 2B SANG Planting Schedule

Tree Planting

Species	Form	Girth cm	Height [cm]	Clear Stem (cm)	Root Condition
Acer campestre	EHS	14-16	425-600	Min. 200	RB
Acer platanoides 'Crimson King'	EHS	18-20	450-450	Min 200	RB
Alnus glutinosa	EHS	14-16	400-450	Min 200	RB
Betula pubescens	LHS	14-16	400-450	175-200	RB
Carpinus betulus	EHS	14-16	425-600	Min. 200	RB
Corylus avellana [ms]	Multi-Stem	-	250-300	-	RB
Fagus sylvatica	EHS	14-16	425-600	Min. 200	RB
Malus sylvestris	EHS	14-16	425-600	Min. 200	RB
Populus nigra betulifolia	EHS	14-16	425-600	175-200	RB
Populus tremula	EHS	14-16	425-600	175-200	RB
Prunus avium	EHS	14-16	425-600	Min. 200	RB
Quercus robur	EHS	14-16	400-450	175-200	RB
Quercus rubra	EHS	18-20	450-500	Min 200	RB
Salix alba	EHS	18-20	450-500	Min 200	RB
Salix caprea	EHS	14-16	400-450	175-200	RB
Salix pentandra	EHS	14-16	400-450	175-200	RB
Sorbus aucuparia	EHS	14-16	425-600	Min. 200	RB
Tilia cordata	EHS	14-16	400-450	175-200	RB
Ulmus 'New Horizon'	CIIS	14-16	400-450	175-200	RD

Orchard Tree Planting

Species	Form	Girth cm	Height [cm]	Clear Stem	Root Condition
Malus 'Breedon Pippin'	Half Standard	6-8cm	150-200	175-200	B
Malus 'Charles Ross'	Standard	8-10cm	200-250	175-200	B
Malus 'John Downie'	EHS	14-16	425-600	175-200	B
Malus 'Millers Seedling'	Standard	8-10cm	200-250	175-200	B
Pyrus communis 'Stinking Bishop'	Half Standard	6-8cm	150-200	175-200	B
Pyrus communis 'Williams'	Half Standard	6-8cm	150-200	175-200	B
Pyrus communis 'Winter Nellis'	Half Standard	6-8cm	150-200	175-200	B

Woodland Edge Mix – to be planted at 1/m2

Species	Mix Percentage %	Height [cm]	Form	Root Condition
Cornus sanguinea	15	40-60		B
Corylus avellana	20	60-80		B
Crataegus monogyna	20	60-80		B
Ilex aquifolium	10	60-80		3L C
Rhamnus cathartica	10	60-80	Leader with laterals	B
Ribes uva-crispa	5	30-40	Branched	B
Rosa arvensis	5	40-60		B
Rosa canina	5	40-60		B
Viburnum opulus	10	60-80		B

Woodland Mix – to be planted at 2/m2

Species	Mix Percentage %	Height [cm]	Form	Root Condition
Cornus sanguinea	10	60-80	Branched	B
Corylus avellana	10	60-80	Branched	B
Crataegus monogyna	10	40-60	Seedling	B
Prunus avium	7.5	40-60	Transplant	B
Quercus robur	20	125-150	Transplant	B
Quercus robur	5	250-300	Feathered	15L C
Sorbus aucuparia	10	250-300	Standard	B
Sorbus torminalis	10	200-250	Feathered	B
Tilia cordata	7.5	200-250	Feathered	B
Viburnum opulus	10	80-100	Branched	B

Native Hedgerow Mix – to be planted at 5/linear m, to be planted in double staggered rows, 500mm apart, at 400m centres

Species	Mix Percentage %	Height [cm]	Form	Root Condition
Acer campestre	15	60-80	Whip/Feather	2L C
Corylus avellana	20	200-250		B
Crataegus monogyna	45	60-80	Seedling	B
Malus sylvestris	10	60-80	Transplant	B
Rhamnus cathartica	10	60-80	Leader with laterals	B

Native Shrub Planting – to be planted at 2/m2

Species	Mix Percentage %	Height [cm]	Age	Form	Root Condition
Cornus sanguinea	15	40-60	1+1	Branched	B
Corylus avellana	20	60-80	1+2	Branched	3L C
Crataegus monogyna	35	60-80	1+1	Branched	B
Ilex aquifolium	10	60-80	-	Leader with Laterals	3L C
Rosa arvensis	5	60-80	1+1	Branched	3L C
Rosa canina	5	40-60	1+1	Branched	B
Viburnum opulus	10	60-80	1+2	Branched	B

Defensible Shrub Planting to SuDS Feature – to be planted at 4/m2

Species	Mix Percentage %	Height [cm]	Age	Form	Root Condition
Berberis darwinii	30	60-80	-	Bushy; 8 breaks	B
Crataegus monogyna*	40	60-80	1+1	Branched	B
Ilex aquifolium	10	60-80	1+1	Leader w/ laterals	7.5L
Prunus spinosa	15	60-80	1+1	Branched	B
Rosa arvensis	5	60-80	1+1	Branched	B

*Denotes species suitable for seasonal immersion within the attenuation basins. Species marked with * are to be planted along the lower slopes of the basins.

Native Scrub Planting (Wet)– to be planted at 1/m2

Species	Mix Percentage %	Height [cm]	Age	Form	Root Condition
Cornus sanguinea	20	40-60	1+1	Branched	B
Crataegus monogyna	25	60-80	1+1	Branched	B
Frangula alnus	15	60-80	1+1	Branched	B
Salix purpurea	20	60-80	0+1	Branched	B
Viburnum opulus	20	60-80	1+2	Branched	B

Other Neutral Grassland (wildflower meadow)

Emorsgate Seed Mix EM3 – Special General Purpose Meadow Mixture [sown at 4g/m²]		
%	Latin Name	Common Name
Wildflowers (20%)		
0.5	Achillea millefolium	Yarrow
0.6	Betonica officinalis	Betony
2.5	Centaurea nigra	Common Knapweed
0.8	Centaurea scabiosa	Greater Knapweed
1	Daucus carota	Wild Carrot
0.6	Filipendula ulmaria	Meadowsweet
0.6	Galium album	Hedge Bedstraw
2	Galium verum	Lady's Bedstraw
0.4	Knautia arvensis	Field Scabious
0.3	Leontodon hispidus	Rough Hawkbit
0.6	Leucanthemum vulgare	Oxeye Daisy
0.5	Lotus corniculatus	Birdsfoot Trefoil
0.1	Origanum vulgare	Wild Marjoram
0.5	Plantago media	Hoary Plantain
1	Poterium sanguisorba	Salad Burnet
0.4	Primula veris	Cowslip
2	Prunella vulgaris	Selfheal
2.5	Ranunculus acris	Meadow Buttercup
1	Rhinanthus minor	Yellow Rattle
0.6	Rumex acetosa	Common Sorrel
1.2	Silene dioica	Red Campion
0.2	Silene flos-cuculi	Ragged Robin
0.1	Trifolium pratense	Wild Red Clover
20		
Grasses		
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		

Purple Moor Grass and Rush Pasture

Emorsgate Seed Mix FM8 –Meadow Mixture for Wetlands [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 pendunculatus	Greater Birdsfoot Trefoil
3.2	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 Dogtail
1.6	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

Other Neutral Grassland (Long Grass)

Emorsgate EG1 General Purpose Meadow Grass Mixture [sown at 5g/m2]

%	Species	Common Name
10	Agrostis capillaris	Common Bent
35	Cynosurus cristatus	Crested Dogtail
30	Festuca rubra	Red Fescue
5	Phleum bertolonii	Smaller Cat's-tail
20	Poa pratensis	Smooth-stalked Meadow-grass

Other Neutral Grassland (Flowering Lawn with bulb planting)

Emorsgate EL1 Flowering Lawn Mixture [sown at 4g/m2]

%	Species	Common Name
3.4	Galium verum	Lady's Bedstraw
0.5	Leontodon hispidus	Rough Hawkbit
1	Leucanthemum vulgare	Oxeye Daisy
3.3	Lotus corniculatus	Birdsfoot Trefoil
2.5	Primula veris	Cowslip
4	Prunella vulgaris	Selfheal
3	Ranunculus acris	Meadow Buttercup
2	Rumex acetosa	Common Sorrel
0.3	Trifolium pratense	Wild Red Clover
8	Agrostis capillaris	Common Bent
40	Cynosurus cristatus	Crested Dogtail
28	Festuca rubra	Slender-creeping Red-fescue
4	Phleum bertolonii	Smaller Cat's-tail

Bulb Planting – to be planted at 10/m2

Species	Bulb Size
Galanthus nivalis	Grade 4/5
Hyacinthoides non-scripta	Grade 6/8
Leucojum aestivum	Grade 7/8
Narcissus pseudonarcissus	Grade 5/6

Refer to NBS Hard and Soft Landscape Specification P19–0052_63 for further details