

Planting Schedule							
H1 - Hedgerow							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
85721	Crta mn	Crataegus monogyna	40-60cm	B		80	
21430	Pms sp	Prunus spinosa	40-60cm	B		20	
H2 - Hedgerow							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
22457	Crta mn	Crataegus monogyna	40-60cm	B		45	
9982	Fgs sy	Fagus sylvatica	40-60cm	B		20	
2495	Lnc prc	Lonicera periclymenum	60-80cm	C	2L	5	
12476	Pms sp	Prunus spinosa	40-60cm	B		25	
2495	Rs cn	Rosa canina	40-60cm	B		5	
S1 - Shrub Scrub							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
4105	Aln gl	Alnus glutinosa	40-60cm	B		30	
2738	Crta mn	Crataegus monogyna	40-60cm	B	2L	20	
4105	Slx aurta	Salix aurita	40-60cm	B		30	
2738	Slx cp	Salix caprea	40-60	B		20	
S2 - Shrub Scrub							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
1445	Crta mn	Crataegus monogyna	40-60cm	B	2L	40	
1264	Pms sp	Prunus spinosa	40-60cm	B		35	
903	Smb ng	Sambucus nigra	40-60cm	B		25	
S3 - Wet Woodland Scrub							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
1494	Crta mn	Crataegus monogyna	40-60cm	B	2L	20	
747	Slx cnr	Salix cinerea	40-60cm	BB		10	
2239	Slx cp	Salix caprea	40-60	B		30	
1494	Slx pen	Salix pentandra	40-60cm	B		20	
747	Slx prp	Salix purpurea	40-60cm	BB		10	
747	Slx vm	Salix viminalis	40-60cm	B		10	
W1 - Semi Natural Woodland							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
8888	Aln gl	Alnus glutinosa	40-60cm	B		15	
2964	Be pb	Betula pubescens	20-40cm	CG	120cc	5	
11852	Ppl trm	Populus tremula	40-60cm	BB		20	
5925	Pms pd	Prunus padus	40-60cm	BB		10	
5925	Pms sp	Prunus spinosa	40-60cm	BB		10	
2964	Qr pt	Quercus petraea	40-60	BB		5	
2964	Rs pim	Rosa pimpinellifolia	40-50	B		5	
2964	Smb ng	Sambucus nigra	40-60cm	B		5	
11852	Srbs ac	Sorbus aucuparia	40-60cm	B		20	
2964	Vb op	Viburnum opulus	40-60cm	BB		5	
W2 - Woodland							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
3642	Be pnd	Betula pendula	40-60cm	CG	120cc	15	
3642	Crta mn	Crataegus monogyna	40-60cm	B	2L	15	
2430	Crlys av	Corylus avellana	40-60cm	B		10	
6070	Frax ex	Fraxinus excelsior	40-60cm	B		25	
1215	Pms sp	Prunus spinosa	40-60cm	B		5	
6070	Qr ro	Quercus robur	40-60cm	B		25	
1215	Rs cn	Rosa canina	40-60cm	B		5	
W3 - Screening Woodland							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
2097	Aln gl	Alnus glutinosa	40-60cm	B		10	
2097	Ilq	Ilex aquifolium	30-40cm	C	2L	10	
3150	Lgs vl	Ligustrum vulgare	30-40cm	B		15	
4202	Pms sy	Pinus sylvestris	30-40cm	C	2L	20	
2097	Slx cp	Salix caprea	40-60	BB		10	
3150	Srbs ac	Sorbus aucuparia	40-60cm	B		15	
2097	Txs bc	Taxus baccata	40-60cm	C	3L	10	
2097	Vb op	Viburnum opulus	40-60cm	BB		10	
W4 - Wet Woodland Scrub							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
1748	Be pb	Betula pubescens	20-40cm	CG	120cc	10	
1748	Crta mn	Crataegus monogyna	40-60cm	B	2L	10	
873	Crlys av	Corylus avellana	40-60cm	B		5	
3489	Slx aurta	Salix aurita	40-60cm	B		20	
1748	Slx cp	Salix caprea	40-60	B		10	
2621	Slx fr	Salix fragilis	40-60cm	B		15	
2621	Slx pen	Salix pentandra	40-60cm	B		15	
1748	Slx prp	Salix purpurea	40-60cm	BB		10	
873	Slx vm	Salix viminalis	40-60cm	B		5	
Feathered and Specimen Trees							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	%	
66	Aln gl	Alnus glutinosa	175-200cm	B			
13	Aln gl	Alnus glutinosa	350-425cm	RB			
13	Be pb	Betula pubescens	250-300cm	C	45L		
18	Be pnd	Betula pendula	175-200cm	C	15L		
17	Be pnd	Betula pendula	350-425cm	RB			
99	Frax ex	Fraxinus excelsior	175-200cm	B			
17	Ppl trm	Populus tremula	175-200cm	B			
12	Ppl trm	Populus tremula	350-425cm	RB			
53	Pms pd	Prunus padus	175-200cm	B			
9	Qr pt	Quercus petraea	175-200cm	RB			
5	Qr pt	Quercus petraea	350-425cm	RB			
123	Qr ro	Quercus robur	175-200cm	B			
28	Qr ro	Quercus robur	350-400cm	RB			
99	Srbs ac	Sorbus aucuparia	175-200cm	B			
26	Srbs ac	Sorbus aucuparia	350-400cm	RB			

Planting Schedule - Swinton							
Herbaceous - Galanthus nivalis - 4/5cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
13992	Gln nv	Galanthus nivalis	4/5cm			0.250	
W1 - Semi Natural Woodland							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
84	Aln gl	Alnus glutinosa	40-60cm	B		2.000	
28	Be pb	Betula pubescens	20-40cm	CG	120cc	2.000	
112	Ppl trm	Populus tremula	40-60cm	BB		2.000	
56	Pms pd	Prunus padus	40-60cm	BB		2.000	
56	Pms sp	Prunus spinosa	40-60cm	BB		2.000	
28	Qr pt	Quercus petraea	40-60	BB		2.000	
28	Rs pim	Rosa pimpinellifolia	40-50	B		2.000	
28	Smb ng	Sambucus nigra	40-60cm	B		2.000	
112	Srbs ac	Sorbus aucuparia	40-60cm	B		2.000	
28	Vb op	Viburnum opulus	40-60cm	BB		2.000	
14552							

Planting Schedule - Raith Roundabout							
Ornamental Shrub Mix							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
4564	Brgn cr	Bergenia cordifolia	40-60cm	C	1.5-2L	0.445	
2733	Cms sn	Cornus sanguinea	40-60cm	C	3L	0.575	
1808	Ery fr DB	Euonymus fortunei 'Darts Blanket'	40-60cm	C	3L	0.500	
1367	Hypr cl	Hypericum calycinum	40-60cm	C	1L	0.575	
1255	Pint fr RA	Potentilla fruticosa 'Red Ace'	40-60cm	C	3L	0.600	
3615	Ru od	Rubus odoratus	40-60cm	C	3L	0.500	
1356	Smb rc SG	Sambucus racemosa 'Sutherland Gold'	40-60cm	C	15L	1.000	
3689	Siph in C	Stephanandra incisa 'Crispa'	40-60cm	C	3L	0.700	
2733	Symphr al	Symphoricarpos albus	40-60cm	B		0.575	
922	Vb in EP	Viburnum tinus 'Eve Price'	40-60cm	C	3L	0.700	
922	Wg KV	Weigela 'Kosters Variegata'	40-60cm	B		0.700	
S4 - Shrub Scrub							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
775	Crta mn	Crataegus monogyna	40-60cm	B	2L	2.000	
775	Slx aurta	Salix aurita	40-60cm	B		2.000	
516	Slx cnr	Salix cinerea	40-60cm	B		2.000	
516	Slx cp	Salix caprea	40-60	B		2.000	
Tree - Fraxinus excelsior - 175-200cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
19	Frax ex	Fraxinus excelsior	175-200cm	B			
Tree - Populus tremula - 175-200cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
21	Ppl trm	Populus tremula	175-200cm	B			
Tree - Quercus robur - 175-200cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
21	Qr ro	Quercus robur	175-200cm	B			
27607							

Planting Schedule - Swinton							
Tree - Fraxinus excelsior - 175-200cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
19	Frax ex	Fraxinus excelsior	175-200cm	B			
Tree - Populus tremula - 175-200cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
21	Ppl trm	Populus tremula	175-200cm	B			
Tree - Quercus robur - 175-200cm							
Nr	Abbreviated Text	Plant Name	Height	Root	Container	Centres	
21	Qr ro	Quercus robur	175-200cm	B			
27607							

Specific Requirements
Refer to Schedule 2: New Works Requirements Part 2 Specific Requirements Section 4: Environment, Landscape and Ecology.

Specification Details
Refer to Schedule 4: O&M Works Requirements Part 5 Specification.

Spacing for Shrub/Scrub Species
Shrub/Scrub species to be planted in random single species groups of 10 - 25 no. with spacing varied between 1.5 and 2.5m centres.

Spacing for Semi-Natural Woodland, Screening Woodland and Wet Woodland Species
Semi-Natural Woodland, Screening Woodland and Wet Woodland Species to be planted in random, single species groups of 8 - 16 no. with spacing varied between 1.5m and 2.5m centres. With woodland groups, irregular, "clearings" are to be created in the layout to replicate a "natural" appearance. Woodland boundary edges to be irregularly indented. (See Typical Planting Density Grid / Typical Woodland Planting Area detail).

Hedgerows
Hedgerow Planting mixes @ 7per linear metre, staggered row.
See the Employers Requirements for details. See Drg No. M8/C/3000/056.

SUDS Facility
Allow habitat to naturally regenerate through long term management. See Drg Nos. M8/C/3000/054-055.

Seeding Rates
Grass Verge Mix 25 grms per m2. Rough Grassland Mix 5 grms per m2.
Flowering Rough Grassland and Wet Flowering Rough Grassland seed mixes 4 grms per m2.
Woodland Mixture sown at 4grms m2 and Tussock Mixture sown at 4grms per m2.

Hedgerow/Roadside & Ornamental Trees Specification
For the sizes and specification of specimen, rootballed/bareroot trees see Planting Schedule.

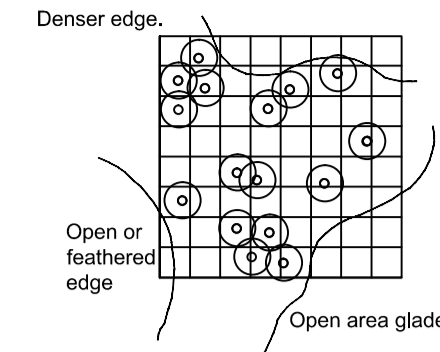
Ornamental Planting and Bulbs
Bulbs planted at 16m2 and randomly distributed throughout the planting area. For the sizes and specification of Ornamental Shrub planting see Planting Schedule.

Rabbit / Vermin Protection
All trees (feathered and specimen) and shrubs will be supplied with appropriate shelters/guards.
All hedges will be supplied with appropriate shelters/guards.
See the Specific Requirements for details.

Maintenance
Refer to Schedule 4: O&M Works Requirements Part 2: Routine Maintenance and Section 8: Landscape Maintenance.

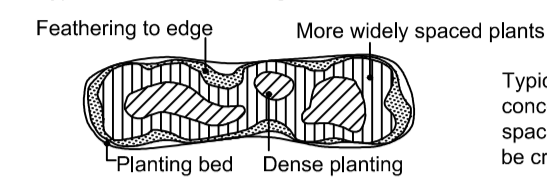
Planting Stock Abbreviations
B - Bare root
C - Container
RB - Rootball
CG - Cell Grown
BB - Bare root bagged

Typical Planting Density Grid Detail



Planting Area
8 x 8m area with planting density of 1 plant / 4m² = 16 plants.
Plants spaced at random centres including some in the same pit and/or at very close centres.
This random 'pattern' can be inverted and/or mirrored as it is repeated across the plot to create naturalistic cover incorporating open glades and areas of more dense vegetation.

Typical Woodland Planting Area Detail



Typical woodland planting area (NTS) showing denser planting concentrated towards the centre with more widely (but still varied) spacing feathering out to the edge. Open glades of varying size can be created in any of these areas.

Seeding

Grass Verge - Emorsgate Seed Mix EG22 Wear Tolerant Turfgrass Mixture (or similar approved).
EG22 Wear Tolerant Turfgrass Mixture

%	Latin name	Common name
10	Agrostis castellana	Highland Bent
50	Festuca rubra	Slender-creeping Red-fescue
20	Lolium perenne	Perennial Ryegrass
20	Poa pratensis	Smooth-stalked Meadow-grass
100		

Sowing rate: 25g/m2

Rough Grassland - Emorsgate Seed Mix EG1 - General Purpose Meadow Grass Mixture (or similar approved).

%	Latin name	Common name
10	Agrostis capillaris	Common Bent
50	Cynosurus cristatus	Crested Dogtail
35	Festuca rubra	Slender-creeping Red-fescue
5	Phleum bertolonii	Smaller Cat's-tail
100		

Sowing rate: 5g/m2

Flowering Rough Grassland - Emorsgate Seed Mix EM2 - Standard General Purpose Meadow Mixture (or similar approved).

%	Latin name	Common name
0.5	Achillea millefolium	Yarrow
0.3	Centaurea nigra	Common Knapweed
1	Daucus carota	Wild Carrot
2.5	Galium verum	Lady's Bedstraw
1	Knaulia arvensis	Field Scabious
2	Leucanthemum vulgare	Oxeye Daisy
0.3	Lotus corniculatus	Birdsfoot Trefoil
1	Plantago lanceolata	Ribwort Plantain
1.6	Primula veris	Cowslip
2.5	Prunella vulgaris	