

PROPOSED PLANTING SCHEDULE

PROPOSED TREE PLANTING						
Botanical name	Common name	Height	Girth	Root Zone	Specification	Abbrev
<i>Acer campestre</i>	Field maple	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Ac
<i>Alnus glutinosa</i>	Common Alder	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Ag
<i>Betula pendula</i>	Silver Birch	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Bpn
<i>Crataegus monogyna</i>	Hawthorn	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Cm
<i>Prunus Avium</i>	Wild Cherry	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Pn
<i>Quercus robur</i>	Common Oak	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Qr
<i>Sorbus aucuparia</i>	Rowan	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Sa
<i>Salix caprea</i>	Goat Willow	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Sc
<i>Salix fragilis</i>	Crack Willow	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Sf
<i>Tilia cordata</i>	Small-Leaved Lime	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Tc
Trees shall be planted with suitable stakes, ties and guards.						

BROADLEAF WOODLAND MIX- OTHER WOODLAND; BROADLEAVED				
Botanical name	Common name	Form	Size	%
<i>Acer campestre</i>	Field Maple	Transplant	1+2, 60-90, B	10
<i>Betula pendula</i>	Silver Birch	Transplant	1+2, 60-90, B	20
<i>Corylus avellana</i>	Hazel	Transplant	1+2, 60-90, B	5
<i>Crataegus monogyna</i>	Hawthorn	Transplant	1+2, 60-90, B	5
<i>Fagus sylvatica</i>	Beech	Transplant	1+1, 60-90, B	20
<i>Ilex aquifolium</i>	Holly	Transplant	60-80, 3L, C	5
<i>Prunus avium</i>	Wild Cherry	Transplant	1+2, 60-90, B	10
<i>Quercus robur</i>	English Oak	Transplant	1+1, 60-90, B	25
To be planted at 1m centres, in groups of 3-7. Plants to be protected with tree shelters / Rabbit guards.				

MIXED SCRUB PLANTING			
Botanical name	Common name	%	Size
<i>Corylus avellana</i>	Hazel	20	1+2, 60-90, B
<i>Crataegus monogyna</i>	Hawthorn	20	1+1, 60-90, B
<i>Ligustrum vulgare</i>	Common Privet	5	1+1, 60-90, B
<i>Prunus spinosa</i>	Blackthorn	20	1+1, 60-90, B
<i>Rhamnus cathartica</i>	Common Buckthorn	10	1+1, 60-90, B
<i>Rosa canina</i>	Dog Rose	5	1+1, 60-90, B
<i>Salix caprea</i>	Goat Willow	15	1+1, 60-90, B
<i>Sambucus nigra</i>	Elder	5	1+1, 60-90, B
To be planted at 1m centres, minor species in groups of 3-7. Plants to be protected with rabbit guards. Mix has been selected based on tree survey which idenfies species to be removed, some additional native species have been added.			

MIXED SCRUB PLANTING- FOR DORMOUSE HABITATS			
Botanical name	Common name	%	Size
<i>Acer campestre</i>	Field maple	5	1+2, 60-90, B
<i>Crataegus monogyna</i>	Hawthorn	20	1+1, 60-90, B
<i>Cornus sanguinea</i>	Dogwood	5	1+1, 60-90, B
<i>Corylus avellana</i>	Hazel	10	1+1, 60-90, B
<i>Hedera helix</i>	Common Ivy	5	40-60, 1L
<i>Lonicera periclymenum</i>	Honeysuckle	10	60-80, 2L
<i>Malus sylvestris</i>	Crab apple	10	1+1, 60-90, B
<i>Prunus spinosa</i>	Blackthorn	10	1+1, 60-90, B
<i>Rubus fruticosus</i>	Blackberry	5	0/1: Cutting, B
<i>Salix caprea</i>	Goat Willow	5	1+1, 60-90, B
<i>Sambucus nigra</i>	Elder	10	1+1, 60-90, B
<i>Ulex europaeus</i>	Common gorse	5	20-30, 2L
To be planted at 1m centres, minor species in groups of 3-7. Plants to be protected with rabbit guards. Mix has been selected based on tree survey and ecological requirements. This list is subject to change based on ecological requirements.			

WET WOODLAND MIX				
Botanical name	Common name	Form	Size	%
<i>Alnus glutinosa</i>	Alder	Transplant	1+2, 60-90, B	20
<i>Betula pubescens</i>	Downy Birch	Transplant	1+2, 60-90, B	20
<i>Fagus syvatica</i>	Beech	Transplant	1+2, 60-90, B	10
<i>Quercus robur</i>	Oak	Transplant	1+2, 60-90, B	10
<i>Salix caprea</i>	Goat Willow	Transplant	1+2, 60-90, B	20
<i>Salix fragilis</i>	Crack Willow	Transplant	1+2, 60-90, B	20
To be planted at 1m centres, in groups of 3-7. Plants to be protected with tree shelters / Rabbit guards.				

NATIVE PLUG PLANTING MIX: TO BE PLANTED UNDER WET WOODLAND MIX		
4 plug plants to be planted per M ²		
Botanical name	Common name	Specification
<i>Juncus effusus</i>	Soft Rush	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Mentha aquatica</i>	Water Mint	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Filipendula ulmaria</i>	Meadowseet	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Cardamine pratensis</i>	Cuckooflower	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Caltha palustris</i>	Marsh Marigld	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Valeriana officinalis</i>	Common Valarian	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Comarum palustre</i>	Marsh Cinquefoil	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
<i>Carex paniculata</i>	Greater Tussock-sedge	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin

SPECIES RICH NATIVE HEDGEROW			
Botanical Name	Common name	Specification	%
<i>Acer campestre</i>	Field Maple	1+1, 60-90, B	5
<i>Carpinus betulus</i>	Hornbeam	1+1, 60-90, B	2.5
<i>Clematis vitalba</i>	Traveller's Joy	60-80, 2L	2.5
<i>Corylus avellana</i>	Hazel	1+1, 60-90, B	5
<i>Crataegus monogyna</i>	Hawthorn	1+1, 60-90, B	50
<i>Fagus sylvatica</i>	Beech	1+1, 60-90, B	5
<i>Ilex aquifolium</i>	Holly	60-80, 3L, C	2.5
<i>Ligustrum vulgare</i>	Common Privet	1+1, 60-90, B	2.5
<i>Lonicera periclymenum</i>	Honeysuckle	60-80, 2L	2.5
<i>Malus sylvestris</i>	Common Crab Apple	1+1, 60-90, B	5
<i>Prunus spinosa</i>	Blackthorn	1+1, 60-90, B	10
<i>Rosa canina</i>	Dog Rose	1+1, 60-90, B	2.5
<i>Ulmus glabra</i>	Wych Elm	1+1, 60-90, B	2.5
<i>Viburnum opulus</i>	Guelder Rose	1+1, 60-90, B	2.5
Plant 2No. Rows 500mm apart, linear spacing 300mm between centres, minor species in groups of 5-15. Plants to be protected with rabbit guards.			

GENERAL PURPOSE MEADOW GRASS MIXTURE- MODIFIED GRASSLAND- Emorsgate EG1 or equal approved		
Sowing rates: 50kg/ha, 20kg/acre, 5g/m ²		
Botanical name	Common name	%
<i>Agrostis capillaris</i>	Common Bent	10
<i>Cynosurus cristatus</i>	Crested Dogstail	35
<i>Festuca rubra</i>	Slender Creeping Red Fescue	30
<i>Phleum bertolini</i>	Smaller Cat's-tail	5
<i>Poa pratensis</i>	Smooth Stalked Meadow Grass	20

A9 GENERAL OUTFIELD SPORTS SEED MIX- MODIFIED GRASSLAND- Germinal or equal approved		
Sowing rate: 35g/m ²		
Botanical name	Common name	%
<i>Lolium perenne</i>	EG Resistis Perennial Ryegrass	40
<i>Festuca rubra</i>	Corail Srong Creeping Red Fescue	30
<i>Lolium perenne</i>	Agreement Perennial Ryegrass	20
<i>Poa pratensis</i>	Tetris Perennial Ryegrass	10

LT6 SPORTS TURF- MODIFIED GRASSLAND: By Lindum or equal approved. Turf is required to withstand wear and tear inflicted on rugby pitches
Specification
30% Columbine Perennial Ryegrass, 30% Melbourne Perennial Ryegrass, 25% Julius Smooth Stalked Meadow Grass, 15% Carousel Slender Creeping Red Fescue.
Size & weight: Standard rolls 1 square metre. Large rolls 1.05 x 20m. Final thickness: 15-20mm. 15-20KG per square metre depending on saturation.
The turf soil should be of sandy loam nature with no stones.
The grass will be dense, of uniform green colour, free from broadleaved weeds and not visibly affected by pest of disease.

SPECIES RICH MEADOW MIXTURE- OTHER NEUTRAL GRASSLAND Emorsgate EM3 or equal approved		
WILD FLOWERS		
Botanical name	Common name	%
<i>Agrimonia eupatoria</i>	Agrimony	0.4
<i>Anthyllis vulneraria</i>	Kidney Vetch	0.4
<i>Centaurea nigra</i>	Common Knapweed	1.6
<i>Centaurea scabiosa</i>	Greater Knapweed	0.6
<i>Chaerophyllum temulum</i>	Rough Chervil	0.1
<i>Cruciata laevipes</i>	Crosswort	0.4
<i>Daucus carota</i>	Wild Carrot	1.2
<i>Echium vulgare</i>	Viper's-bugloss	0.2
<i>Galium album</i>	Hedge Bedstraw	1
<i>Galium verum</i>	Lady's Bedstraw	0.8
<i>Geranium pratense</i>	Meadow Crane's-bill	0.1
<i>Knautia arvensis</i>	Field Scabious	1
<i>Lathyrus pratensis</i>	Meadow Vetchling	0.2
<i>Leucanthemum vulgare</i>	Oxeye Daisy	1
<i>Malva moschata</i>	Musk Mallow	2.4
<i>Medicago lupulina</i>	Black Medick	0.6
<i>Onobrychis viciifolia</i>	Sainfoin	0.2
<i>Origanum vulgare</i>	Wild Marjoram	0.4
<i>Plantago lanceolata</i>	Ribwort Plantain	2.2
<i>Plantago media</i>	Hoary Plantain	0.4
<i>Poterium sanguisorba ssp sanguisorba</i>	Salad Burnet	2
<i>Primula veris</i>	Cowslip	0.4
<i>Prunella vulgaris</i>	Selfheal	0.2
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	0.4
<i>Sanguisorba officinalis</i>	Great Burnet	0.1
<i>Silene dioica</i>	Red Campion	1
<i>Silene vulgaris</i>	Bladder Campion	0.2
<i>Vicia cracca</i>	Tufted Vetch	0.3
<i>Vicia sativa ssp. segetalis</i>	Common Vetch	0.2
		20
GRASSES		
<i>Agrostis capillaris</i>	Common Bent	8
<i>Cynosurus cristatus</i>	Crested Dogstail	28
<i>Festuca rubra</i>	Red Fescue	24
<i>Phleum bertolonii</i>	Smaller Cat's-tail	4
<i>Poa pratensis</i>	Smooth-stalked Meadow-grass	16
		80

PLANTING NOTES:

All planting to be in accordance with series 3000 Specification for Highways Works.

Preparation and cultivation:
All groundwork shall comply with BS 3882 and BS 8601 for topsoil. Site won topsoil and subsoil material is to be screened, free from contamination, building materials, stones and roots over 50mm. Clean imported topsoil is to be in compliance with BS 3882. Low nutrient topsoil to be used for species rich grass areas. Subsoil to be loosed to min 500mm depth by ripping at 600mm centres using appropriate tillage equipment. After spreading topsoil, rip at 300mm centres to depth of 300mm for grass areas and 600mm for planting areas. Further cultivation: any large, compacted lumps of soil shall be broken down by further appropriate cultivation (in accordance with BS 4428) to produce a fine tilth suitable for planting (<30mm), turfing and seeding (<10mm). New trees and shrubs shall be planted into established grass areas (either existing or newly seeded as part of the works). All site preparation, planting and maintenance works shall be carried out in accordance with British Standard BS 4428:1989 code of practice for general landscape operations (excluding hard surfaces). All trees and plants supplied shall comply with the requirements of all parts of British Standard BS 3936 specification for nursery stock, BS 8545:2014 trees: from nursery to independence in the landscape, Recommendations & The National Plant Specification. All new tree planting shall be positioned in accordance with the requirements of table A.1 of British standard BS 5837:2012 Trees in Relation to Design, Demolition and Construction –Recommendations.

Scrub Planting areas shall be cultivated to a minimum depth/width of 300mm width and backfilled with re-mixed 80% topsoil/20%compost mixture and cultivated to a medium tilth, all planting pits and excavations are free draining. Backfill material to all planting pits to include granular fertiliser of a nutrient value (N:P:K) appropriate to the site soil conditions. Scrub planting to be protected with shrub guards the shrub guard shall be supported by one wooden stakes all straight and in length 32 mm x 32 mm pressure treated sawn softwood minimum 900 mm long, fixed with two releasable ratchet ties fitted at height 200 and 400 mm.

Tree planting pits are to be suitable for each root ball, excavated to a minimum depth/width 1000mm with slow release fertiliser granules fully incorporated within backfill material. For extra heavy standards and heavy standards the staking shall be undertaken after the tree has been positioned. Two stakes, each of 3 m length shall be driven down the side of the rootball and into the pit to a depth of 500 mm below the bottom of the pit. the stakes shall be angled outwards to between 5° and 10° at the top and pulled in moderately by tensioning all the supporting bands equally. The stakes shall be equally spaced and shall not pass through the rootball.

Timing and condition of stock:

The condition of all proposed planting stock is to be in accordance with BS 3936:1992 and BS 5236. all stock shall be sourced from a HTA (Horticultural Trade Association) approved nursery. Rootballed trees are to be planted between mid-October and early April; outside of this period, all rootballed trees are to be replaced with containerised stock. All other planting to be undertaken between September and march, except when the ground is frozen and/or snow bound,waterlogged, and during prolonged dry and windy conditions. Upon completion of planting all plants are to be fully watered in to field capacity. All dead or dying foliage and branches to be pruned.

Grass seeding:

Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture in the soil. Moisture may be supplied artificially by watering but must be thorough enough to penetrate at least 100mm, and continued after sowing if dry weather follows. Seed should be surface sown onto a freshly prepared seed bed and can be applied by machine or broadcast by hand. To get an even distribution, divide the seed into two or more parts and sow in overlapping sections.

Landscape Maintenance:

Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings: reinstate to original condition. Watering: as necessary for the continued thriving of all planting, wet to field capacity. Amenity grass areas to be cut between march and October. To be cut when required to maintain neat and tidy sward. cut to 30mm height, do not allow to growth over 50mm. Species rich grassland: cut once a year in august or September once flowers have gone to seed. cut to height of 100mm and remove all arisings. Failures to any planting and seeding to be made good and replaced in the next suitable planting /seeding season. All planting and trees to be reformed after strong winds or frost heave. Check all tree stakes and adjusted as needed. Planting areas and around base of trees to be kept weed free.

P03	JS	DB	DB	JF	UPDATED TO COMMENTS		22/05/24
P02	JS	DB	DB	JF	UPDATED TO COMMENTS		15/05/24
P01	JS	DB	DB	JF	FOR REVIEW AND COMMENT		17/04/24
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