



Species rich wet grassland

- % Mix Latin Name
- 0.2 *Eupatorium cannabinum*
- 1.6 *Angelica sylvestris*
- 0.6 *Geum rivale*
- 1.2 *Galium mollugo*
- 1.2 *Galium verum*
- 1.6 *Ranunculus acris*
- 1.4 *Silene dioica*
- 0.2 *Scrophularia Nodosa*
- 0.4 *Lycopus europaeus*
- 0.6 *Juncus inflexus*
- 2 *Iris pseudacorus*
- 0.4 *Lythrum salicaria*
- 1.4 *Filipendula ulmaria*
- 0.8 *Lychnis flos-cuculi*
- 0.8 *Succisa pratensis*
- 0.8 *Carex pendula*
- 1.8 *Prunella vulgaris*
- 0.6 *Achillea ptarmica*
- 0.6 *Juncus effusus*
- 0.4 *Hypericum tetraperum*
- 0.8 *Lotus uliginosus*
- 0.6 *Vicia cracca*
- 3.2 *Agrostis stolonifera*
- 16 *Cynosurus cristatus*
- 19.2 *Festuca rubra, commutata*
- 16 *Festuca rubra, litoralis*
- 2.4 *Alopecurus pratensis*
- 4 *Poa trivialis*
- 6.4 *Poa pratensis*
- 0.8 *Anthoxanthum odoratum*
- 8 *Phleum pratense ssp Bertolinii*
- 4 *Deschampsia cespitosa*

Species rich neutral grassland

- % Mix Latin Name
- 0.2 *Agrimonia eupatoria*
- 1.4 *Borago officinalis*
- 0.8 *Salvia verbenaca*
- 0.6 *Trifolium pratense*
- 0.2 *Trifolium repens*
- 1.6 *Agrostemma githago*
- 1.2 *Centaurea cyanus*
- 1 *Leucanthemum vulgare*
- 0.6 *Digitalis purpurea*
- 1.2 *Centaurea nigra*
- 1 *Centaurea scabiosa*
- 0.2 *Lythrum salicaria*
- 0.2 *Origanum vulgare*
- 0.2 *Geranium pratense*
- 1 *Malva moschata*
- 1 *Papaver rhoeas*
- 0.4 *Lychnis flos-cuculi*
- 1.4 *Onobrychis vicifolia*
- 1.4 *Knautia arvensis*
- 0.6 *Scabiosa columbaria*
- 0.2 *Dipsacus fullonum*
- 0.4 *Lotus corniculatus*
- 0.4 *Anthyllis vulneraria*
- 0.4 *Echium vulgare*
- 1 *Achillea millefolium*
- 1.4 *Rhinanthus minor*
- 4 *Agrostis castellana*
- 20 *Cynosurus cristatus*
- 16 *Festuca ovina*
- 24 *Festuca rubra, litoralis*
- 6.4 *Poa pratensis*
- 9.6 *Phleum pratense ssp Bertolinii*

Species rich biodiverse roof seeding

- % Mix Latin Name
- 0.5 *Achillea millefolium*
- 6.5 *Anthyllis vulneraria*
- 12.5 *Centaurea nigra*
- 5 *Cruciata laevipes*
- 0.5 *Filipendula vulgaris*
- 5 *Galium album - (Galium mollugo)*
- 2.5 *Galium verum*
- 0.5 *Hippocrepis comosa*
- 5 *Leucanthemum vulgare*
- 1 *Lotus corniculatus*
- 15 *Malva moschata*
- 0.5 *Origanum vulgare*
- 5 *Plantago lanceolata*
- 5 *Plantago media*
- 10 *Poterium sanguisorba - (Sanguisorba minor)*
- 0.5 *Primula veris*
- 10 *Prunella vulgaris*
- 5 *Rhinanthus minor*
- 5 *Rumex acetosella*
- 5 *Silene vulgaris*

Key

- Order limits
- Trees/hedgerow to be removed
- Existing woodland/scrub to be retained within Order limits
- Existing scrub and trees outside Order limits to be retained
- Proposed native wet woodland
- Proposed native hedgerow with native trees
- Proposed native shrub
- Proposed species rich neutral grassland
- Proposed species rich wet grassland
- Proposed brown roof
- Permeable cellular confinement system on laydown area with neutral species rich grassland
- Proposed security fence line
- Existing IDB ditches maintained by others
- Area omitted from biodiversity gain and reserved for potential rail embankment

Native Wet Woodland Species Mix - (Planted at 2m centres)

Species	Height	Specification	Mix
<i>Alnus glutinosa</i>	60-80cm	1+1: Transplant	20%
<i>Betula pubescens</i>	60-80cm	1+1: Transplant	15%
<i>Cornus sanguinea</i>	60-80cm	1+1: Transplant	15%
<i>Crataegus monogyna</i>	60-80cm	1+1: Transplant	15%
<i>Prunus spinosa</i>	60-80cm	Branched, 2 breaks	5%
<i>Rhamnus frangula</i>	60-80cm	1+1: Transplant	10%
<i>Salix caprea</i>	60-80cm	1+1: Transplant	5%
<i>Salix cinerea</i>	60-80cm	1+1: Transplant	5%
<i>Viburnum opulus</i>	60-80cm	1+1: Transplant	10%

Hedgerow trees

Species	Specification	Girth	Height
<i>Acer campestre</i> "Streetwise"	Heavy standard	12-14cm	350-400cm
<i>Sorbus aucuparia</i> "Cardinal Royal"	Heavy standard	12-14cm	350-400cm
<i>Prunus padus</i> 'Albertii'	Heavy standard	12-14cm	350-400cm

Native Hedgerow Species Mix - (Double staggered row at 6 plants per m)

Species	Height	Specification	Mix
<i>Cornus sanguinea</i>	60-80cm	1+1: Transplant	5%
<i>Corylus avellana</i>	60-80cm	1+1: Transplant	10%
<i>Crataegus monogyna</i>	60-80cm	1+1: Transplant	30%
<i>Euonymus europaeus</i>	60-80cm	1+1: Transplant	10%
<i>Ilex aquifolium</i>	60-80cm	1+1: Transplant	10%
<i>Ligustrum vulgare</i>	60-80cm	1+1: Transplant	5%
<i>Lonicera periclymenum</i>	60-80cm	1+1: Transplant	5%
<i>Prunus spinosa</i>	60-80cm	Branched, 2 breaks	10%
<i>Rosa canina</i>	60-80cm	1+1: Transplant	5%
<i>Rhamnus frangula</i>	60-80cm	1+1: Transplant	5%
<i>Viburnum opulus</i>	60-80cm	1+1: Transplant	5%

Native Shrub Mix - (Shrubs at 1m centres)

Species	Height	Mix
<i>Corylus avellana</i>	45-60cm	35%
<i>Euonymus europaeus</i>	45-60cm	10%
<i>Ilex aquifolium</i>	30-45cm	20%
<i>Sambucus nigra</i>	40-60cm	5%
<i>Taxus baccata</i>	40-60cm	10%
<i>Viburnum opulus</i>	45-60cm	20%

Green Wall - climbing plants (3 No. single species group planted per panel)

Species	Height	Container	No.
<i>Jasminum officinale</i>	150-200cm	10L pot	3
<i>Trachelospermum jasminoides</i>	150-200cm	10L pot	3



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Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.14
Outline Landscape and Ecology Strategy

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