

PLANTING SPECIFICATION

WOODLAND MIX- 762m²							
Mix (%)	Botanical name	Common name	Size	Height	'Breaks	Number	Notes
10	<i>Acer campestre</i>	Common Field Maple	Bare root; 1+1; Transplant	600 - 800	3	76	Plant all shrub species (600-800mm sizes) at 1.0m centres and tree (feathered) species at 1.5m centres.
10	<i>Acer campestre</i>	Common Field Maple	Bare root; Feathered	1750 - 2000	5	51	
10	<i>Alnus glutinosa</i>	Common Alder	Bare root; Feathered	1750 - 2000	5	51	
10	<i>Alnus glutinosa</i>	Common Alder	Bare root; 1+1; Transplant	600 - 800	3	76	Plant all plants in single species groups of 15 no minimum.
8	<i>Betula pendula</i>	Silver Birch	Bare root; 1+1; Transplant	600 - 800	3	61	
12	<i>Corylus avellana</i>	Common Hazel	Bare root; 1+1; Transplant	600 - 800	3	91	
12	<i>Prunus spinosa</i>	Blackthorn	Bare root; 1+1; Transplant	600 - 800	3	91	Feathered trees to be single timber staked.
8	<i>Rosa arvensis</i>	Field Rose	Bare root; 1+1; Transplant	600 - 800	3	61	
10	<i>Salix cinerea</i>	Grey Willow	Bare root; 1+0; Transplant	600 - 800	3	76	
10	<i>Ilex aquifolium</i>	Holly	3L; Leader with laterals	600 - 800	3	76	Tree Spiral Guards (inc bamboo caning) required in order to rabbit-proof stock. Green-tech or similar approved.

Species Rich Wetland Area - 4345m²

Emorsgate Em8 Mix (Meadow Mix for Wetlands) or similar and approved (sow at 4g/m²)

Species Rich Grassland- 263m²

Emorsgate EG11 Mix (Wild meadow grass Mixture) or similar approved (sow at 5g/m²)

Grassland - 16069m²

Emorsgate EG22 Mix (Strong Lawn Grass Mixture) or similar and approved (sow at 25 g/m²)

PROPOSED HEDGEROW 1610 lm. 8050 plants							
Mix (%)	Botanical name	Common name	Specification	Height (mm)	Density (lin. m.)	Number	Notes
30	<i>Acer campestre</i>	Common Field Maple	Bare root; 1+1; Transplant	800-1000	5	2013	Plant mix in two staggered rows, planted at 450mm centres. Group into single species groups of 10no. minimum.
30	<i>Carpinus betulus</i>	Hornbeam	Bare root; 1+1; Transplant	800-1000	5	2013	Proposed topsoil depth: 350mm.
20	<i>Ligustrum vulgare</i>	Common Privet	Bare root; 0/2; Cutting; branched	800-1000	5	1610	Topsoil source: existing site topsoil.
20	<i>Photinia x fraseri</i>	Red Robin	3L; Branched	400-600	5	2415	Rabbit proof wire fencing required along development side of hedge.

INDIVIDUAL TREES						
Botanical Name	Common Name	ref.	Size	Height (mm)	Girth (mm)	Number
<i>Acer campestre</i>	Common Field Maple	Ac	Bareroot, Standard	2500-3000	8-10	48
<i>Alnus Glutinosa</i>	Common Alder	Ag	Bareroot, Standard	2500-3000	8-10	44
<i>Quercus robur</i>	Common Oak	Qr	Bareroot, Standard	2500-3000	8-10	43

DESIGN PRINCIPLES

- The planting design adheres to guidance outlined in Civil Aviation Authority's CAP 772 Wildlife Hazard Management at Aerodromes (2014) in terms of:
 - avoiding block planting;
 - not including trees with potential to grow in excess of 20m;
 - reducing berry-bearing species (notably, *sambucus nigra*, *prunus avium*, *sorbus aucuparia*, *malus sylvestris*, *viburnum opulus*) except where management will reduce berry production and
 - not including elm and hawthorn tree species within the hedgerow mix due to their potential to attract woodpigeons (nesting).

SOIL REQUIREMENTS

PROPOSED TOPSOIL DEPTH:

- Individual Tree Pits: 900 x 900 x 600mm. Pits to be backfilled with existing site subsoil (base of pit to be broken up to depth of 200mm and sides scarified, cultivated and tilted) with 450mm topsoil to surface level.
- Woodland planting and hedgerow beds: Beds to be cultivated and cross-rippled in two directions to a depth of 450mm. Topsoil up to a depth of 350mm.
- Wildflower seeded areas: Does not require topsoil as too fertile. Existing site subsoil / imported subsoil will require testing to determine low fertility. A graded subsoil should be imported with low NPK and a phosphate index of 1 or less.

TOPSOIL AND SUBSOIL PREPARATION

- Subsoil: Soft landscape areas to be excavated or filled to achieve the required construction depths and the areas prepared by cross-ripping 300mm deep at 300mm centres, to a depth of 450mm, prior to topsoiling. Cut or filled slopes are to be benched and cross-rippled to provide key for topsoil. Undertake when conditions are dry. Remove stones, arisings, contaminants and debris.
- If existing site topsoil is to be used, prepare undisturbed areas to receive soft landscaping as necessary to ensure that the topsoil is in a suitable state for cultivation. If turfed, dig over to full depth of topsoil and treat with herbicide.
- If topsoil is to be imported, ensure it complies with BS 3882. Topsoil storage heaps: Do not exceed 1m height, 3m width.
- Compost: Ensure in accordance with PAS 100. Well-rotted farmyard manure or similar approved. 100mm depth.
- Weed control: Approved herbicide, to prevent weeds from seeding and perennial weeds becoming established.
- Cultivation: Break up compacted topsoil to full depth. Loosen, aerate and break up soil into particles of 2-8mm. Within a few days before planting in suitably dry conditions. Leave surface regular and even.

TIMES OF YEAR FOR PLANTING

- Deciduous trees and shrubs (bareroot stock): Late October to late March.
- Conifers and evergreens: September/ October or April/ May. Container grown plants: At any time if ground and weather conditions are favourable.

MAINTENANCE CONSIDERATIONS

- Invasive and undesirable weed species shall be monitored and controlled by appropriate direct management methods and through the application of an approved herbicide.
- Regular watering to ensure plants can thrive.
- Checking of ties and staking to ensure that the root system remains stable and firm in the ground.
- Maintenance procedures to be sympathetic to biodiversity requirements - e.g. limited mowing of wildflower areas.

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AECOM

PROJECT

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NOTES

- ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER SCHEME DRAWINGS AND DOCUMENTS.
- ONLY WRITTEN DIMENSIONS SHALL BE USED. CRITICAL DIMENSIONS AND LEVELS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO WORK COMMENCEMENT.
- ANY DISCREPANCIES IN DIMENSIONS OR DETAILS ON OR BETWEEN THESE DRAWINGS SHALL BE DRAWN TO THE ATTENTION OF THE PROJECT MANAGER FOR CLARIFICATION.

ISSUE/REVISION

P02	05/07/2024	UPDATED FOR CONDITION 4	SS	RL	JA
P01	03/05/2024	TENDER ISSUE	SS	RL	JA
I/R	DATE	DESCRIPTION	BY	CK	AP

SUITABILITY

D2 - Suitable for Tender

PROJECT NUMBER

60719865

SHEET TITLE

Monitoring, management and maintenance map

SHEET NUMBER

Figure E4a

SCALE

1:2000 @ A1

REVISION

P02