



EM2 – STANDARD GENERAL PURPOSE MEADOW MIXTURE - Composition
This meadow mixture contains species that are characteristic of traditional meadows across a wide range of soil types.



Wild Flowers

%	Latin name	Common name
0.3	Achillea millefolium	Yarrow
3.5	Centaurea nigra	Common Knazweed
1.3	Daucus carota	Wild Carrot
3	Galium verum	Lady's Bedstraw
0.5	Knautia arvensis	Field Scabious
0.2	Leontodon hispidus	Rough Hawkbit
0.5	Leucanthemum vulgare	Oxeye Daisy
0.5	Lotus corniculatus	Birdfoot Trefoil
2.5	Malva moschata	Musk Mallow
1	Plantago lanceolata	Ribwort Plantain
1	Primula veris	Cowslip
1.7	Prunella vulgaris	Selfheal
1.5	Ranunculus acris	Meadow Buttercup
2.5	Rhinanthus minor	Yellow Rattle

Grasses

%	Latin name	Common name
8	Agrostis capillaris	Common Bent
40	Cynosurus cristatus	Crested Dogtail
28	Festuca rubra	Slender-creeping Red-fescue
4	Phleum bertolonii	Smaller Cat's-tail

Sowing Rates

kg/ha	kg/acre	g/m²
40	16	4

HARD WORKS

Patio Space / Property footpath:
Tobermore Beaufort Natural 400 x 400 x 40mm

PERMEABLE TEGULA PAVING TO SHARED SURFACE
AND PARKING BAYS BY TOBERMORE (equal or
approved)
Colour: Tegula Trio Cedar

80mm charcoal blocks to delineate carparking spaces.
Driveways suitable for vehicular loadings - all laid to
engineer's detail and specification.

Tarmacadam road surface

SOFT WORKS

TREES: Large			Proposed Locations :
	Liriodendron Tulipifera.	Tulip Poplar	12-14cm girth
	Acer Campestre Elsrijk	Field Maple	20-25cm girth
<p>Native trees (medium size)</p> <p>The current Biodiversity Net Gain guidance advises that "most newly planted street trees should be categorised as "small" and that "evidence is required to justify the input of larger size classes". As such the majority of proposed new trees on site have been estimated to only reach a small size within 30 years (outlined above). However, it is proposed that 5 new trees will be planted as semi-mature trees (i.e. 18cm+ girth). Based on the model produced by the Bristol Tree Forum (see Figures 1 & 2 below) which uses the industry standard tree growth rate of 2.54cm girth per year, a semi-mature tree can reach a diameter of 31.1cm within 30 years, meaning it will be classified as a medium tree.</p>			
TREES: Small			Proposed Locations:
	Native trees (small size)		
	<p>Wild cherry Prunus avium</p> <p>Field rose Rosa arvensis</p> <p>Wild pear Pyrus pyraeaster</p> <p>Guelder rose Viburnum opulus Yew Taxus baccata</p> <p>Hawthorn Crataegus monogyna</p> <p>Alder Alnus glutinosa</p> <p>Hazel Corylus avellana</p> <p>Holly Ilex aquifolium</p> <p>Juniper Juniperus communis Aspen Populus tremula</p> <p>Bay willow Salix pentandra Pedunculate oak Quercus robur</p> <p>Bird cherry Prunus padus</p> <p>Silver birch Betula pendula</p> <p>Honeysuckle Lonicera periclymenum Dog rose Rosa canina</p> <p>Wayfare tree Viburnum lantana</p> <p>Field maple Acer campestre</p> <p>Rowan Sorbus aucuparia</p>		- Location of planting between shrubs to the discretion of landscape designer
Scrub Planting - Hedge			
Scrub planting		Proposed Locations: North and East boundaries	
<p>Planting of desirable species only including:</p> <ul style="list-style-type: none">o Blackthorn (30%) o Hawthorn (30%) o Hazel (20%)o Holly (20%)o Guelder Rose (15%) <p>• Planting should take place between November and March.</p> <p>• The planting pattern should include a mix of species planted close together, with some areas left open to create natural openings.</p> <p>• Wood chip/mulch should be placed around each newly planted scrub to prevent weed competition and improve water retention.</p> <p>• Upon planting the area will be left for 1 year to allow the new plants to be established before any management is started.</p>			
<p>- Location of planting between shrubs to the discretion of landscape designer</p>			
TURFED AREA:			Proposed Locations:
Lindum festival L17 turf laid on 200mm approved topsoil - TBA			

Planting Notes:

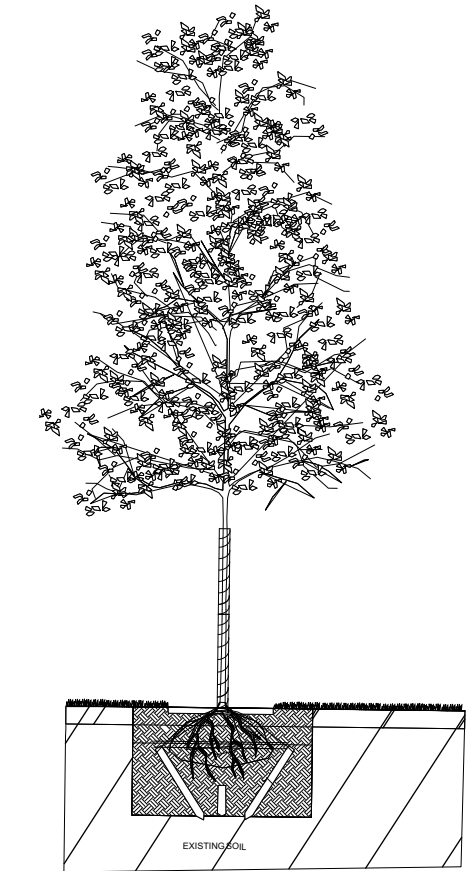
- Plant handling at the nursery, and during transit up to delivery , shall be in accordance with 'Plant Handling' the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association) which refers to the receipt, unloading and temporary storage of plants.
- Plants shall be first class examples of their species or variety, free from all pests and diseases with good fibrous root systems and materially undamaged. (Refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock'). Ilex aquifolium plant species should be feathered from base with a minimum of 3 breaks.
- All planting is to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'.
- All trees are to be staked and secured as followed:
 - EHS are to be underground guyed using an approved guying system
 - HS trees are to be double staked and secured with a timber cross bar and rubber webbing tie and spacer.
 - One number 80litre bag of tree planting compost (non peat based) is to be incorporated into:
 - Each Extra Heavy Standard and Heavy Standard tree Compost must be thoroughly mixed with excavated (or imported) topsoil. Trees shall be planted in tree pits large enough to accommodate tree roots when fully spread.
 - Trees planted in grass are to have a 1m diameter clear zone to the base and are to be mulched to a depth of 50mm with approved medium grade tree bark.
 - The contractor must ascertain for himself the exact location of any underground services and maintenance points.
 - All areas of ornamental planting are to be mulched to consolidated depth of 50mm using medium grade tree bark.
 - At the time of planting and turfing areas will be covered by an approved depth of topsoil:
 - Topsoil to planting areas to be 450mm deep
 - Topsoil to grass areas to be 150mm deep
 - Water as necessary to ensure the establishment and continued thriving of planted and turfed matter.
 - Carry out all work when soil and weather conditions are suitable:
 - Do not plant during periods of frost or strong winds. Plant only during the following periods
- Bare root deciduous trees and shrubs: Late October to late March
- Container grown plants: At any time if ground water and weather conditions are favourable. Ensure that adequate watering and weed control is available.

Maintenance notes for trees and shrubs:

- Maintenance is to be carried out on a monthly basis (12nr annual visits) At each visit the following operations are to be carried out:
 - Check and firm all planted material. Also check materials after stormy or windy conditions.
 - Check for pests and diseases and treat appropriately
 - Remove all weeds and unwanted material via a combination of chemical and hand weeding operations
 - Pick up all litter and remove all arisings from site
 - Sweep all paths and roadways and dispose off site
 - Remove any dead material from site
 - The newly planted trees must be irrigated in accordance with following schedule and include at least 75 litres of water per session ideally delivered using watering bags. Watering must be carried out on the first working day after each date. 15 April; 1 & 15 May; 1 & 15 June; 1, 8, 15 & 22 July; 1, 8 & 15 August; 1 September.
- Carry out the following operations every 6 months:
 - Apply an approved fertilizer to all planted material during spring and autumn
 - Trim all hedges/sculptural planting in spring and autumn and remove arisings from site. Final height for clipped formal hedges 700mm
- Carry out the following operations annually:
 - During autumn or following flowering prune all shrub material in accordance with good horticultural practice
 - Top up all areas of bark mulch to a consolidated depth of 50mm
 - Replace any material which has failed over the previous 12 months. All replacements are to be of equal specification as the original and the replacements schedule is to be agreed with the CA prior to implementation. Any deviation from the species list must be agrees with the CA.

Detail S1 - Clear stem tree in soft
(Below ground staking)

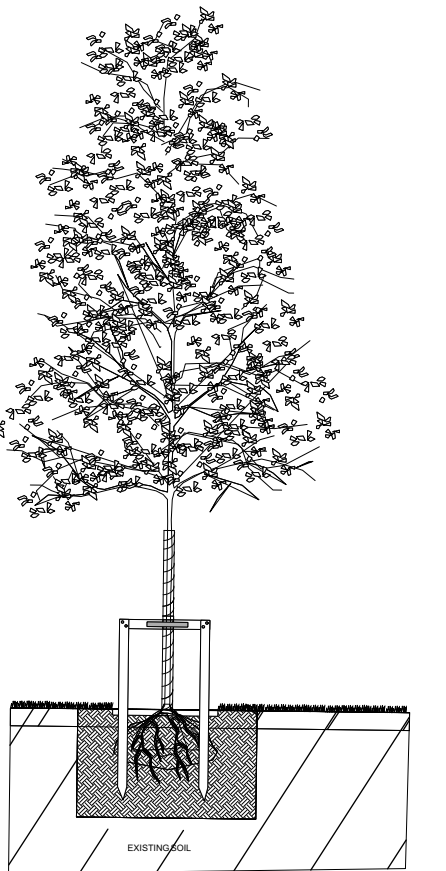
- Semi mature tree rootballed and wrapped to a minimum height of 1.5m. Clear stem 2.5m (for all tree species)- refer to related planting schedule s for further details
- Galvanised wire attached to stakes
- Triple stake - 3no underground rootball anchor fixing system with tensioned galvanised wire attached to stakes to secure rootball.
- Self contained tree pit with 900mm depth of premium grade as dug topsoil to BS 3882 combined with 40litres of approved tree compost under and around rootball to level ground. Built up in 500mm compacted tiers
- Bark mulch layer: 50mm compacted depth to a 1m diameter ring around the trunk (for trees in grass).
- Double inlet irrigation/overlateral system using perforated plastic pipe laid flush with tree surround. Product: Root ran precinct 1 by Green Tech or other equal and approved.



Tree Pit Detail for Semi Mature and Advanced Heavy Standard Trees in soft areas

Detail S2 - Clear stem tree in soft
(Above ground staking)

- Semi mature tree rootballed and wrapped to a minimum height of 1.5m. Clear stem 2.5m (for all tree species)- refer to related planting schedule s for further details
- Softwood timber stakes and cross bar. Short staked 750mm above ground level.
- Tree secured to cross bar with a single adjustable tree tie and spacer.
- Self contained tree pit with 900mm depth of premium grade as dug topsoil to BS 3882 combined with 40litres of approved tree compost under and around rootball to level ground. Built up in 500mm compacted tiers
- Bark mulch layer: 50mm compacted depth to a 1m diameter ring around the trunk (for trees in grass).
- Double inlet irrigation/overlateral system using perforated plastic pipe laid flush with tree surround. Product: Root ran precinct 1 by Green Tech or other equal and approved.



Tree Pit Detail for Semi Mature and Advanced Heavy Standard Trees in soft areas

Tree pit detail for Semi Mature and Advance heavy standard trees in soft areas.

Drawing Title: Proposed Landscaping Plan
Date: 06.06.2023
Drawing no: 1326-104
Scale: 1:150 @ A1
Drawn: NS

revision: E
revision notes: C 10/01/2024
D 25/01/2024
E 13/02/2024

Replacment of silver birch with tulip poplar trees following comments from Tree Officer.

Please refer to Biodiversity Net Gain Assessment by Arbttech

Devonshire Street
Jigsaw Homes

DK-Architects

26 Old Haymarket
Liverpool
L1 6ER
0151 231 1209 T
mail@dk-architects.com E
www.dk-architects.com W