



KEY

SOFT LANDSCAPING

- Existing Trees and Vegetation Retained (outside site boundary)
- Proposed Ornamental Trees
- Proposed Native Trees
- Proposed Native Hedge
- Proposed Shrub beds with feature specimens
- Proposed Native Shrub Mix
- Proposed Wildflower Meadow
- Proposed Marginal Pond Meadow Mix
- Proposed Low Growing Species Rich Grass Areas

PLANTING NOTES:

1. Plant handing 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 1 & 4 of the above booklet (obtained from the Horticulture Trades Association, 19 High Street, Theale, Reading, Berks RG7 5H) 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').

2. All planting is to be in general compliance with BS5428: 1989 'Code of Practice for general landscape operations'

3. **Tree Planting:**

- i) Trees should be planted in pits 1000 x 1000 x 750mm deep and base broken out to facilitate drainage. A peat free compost and slow release tree fertiliser should be incorporated into the back fill material. A Root Rain Metro irrigation pipe should be fitted around the rootball and fixed into place above ground level. Trees to be secured with double timber stakes and timber cross bar with a rubber tree tie.
- ii) Areas to be treated with a non-residual glyphosate based herbicide prior to planting and cultivated to a depth of 150mm.
- iii) A slow release fertiliser mixed with a peat free compost should be incorporated into the back fill material when planting the shrubs to give them the best possible chance of establishment.
- iv) For hedges dig a trench the full length of the hedge 500mm wide x 400mm deep and break up the base to facilitate drainage.

4. **Shrub Beds and Planting General:**

- i) All beds should be free draining and free from builders rubble and large stones. There should be min 450mm of good quality top soil to all the shrub beds (which is expected to be supplied by the house builder).
- ii) Areas to be treated with a non-residual glyphosate based herbicide prior to planting and cultivated to a depth of 150mm.
- iii) A slow release fertiliser mixed with a peat free compost should be incorporated into the back fill material when planting the shrubs to give them the best possible chance of establishment.
- iv) For hedges dig a trench the full length of the hedge 500mm wide x 400mm deep and break up the base to facilitate drainage.

5. **Finishing Beds:**

- i) The finished surface of the bed should be free from weeds, stones or rubble and the surface of the soil cultivated to level out any clumps, mounds or depressions.
- ii) When planted all shrub beds are to be mulched with 50mm depth of small grade bark mulch.
- iii) The beds should be maintained weed free and the beds topped up annually with bark mulch as required.

6. **Grass:**

- i) Beds should be free draining and free from builders rubble and large stones. There should be min 150mm of good quality top soil to all the areas to be turfed (which is expected to be supplied by the house builder).
- ii) Areas to be cultivated to a depth of 150mm and finished to a fine tilth with smooth even contours and gradients.
- iii) Prior to laying turf the areas should be sprayed with a non-residual glyphosate based herbicide.
- iv) Ensure that the grass is maintained to 25-50mm and once established mown min 12 times a year in the growing season.

7. **Native Wildflower Meadow (EM2) and Pond Edge Seed Mix:**

Ground preparation

Endeavour to select ground that is not highly fertile and does not have a problem with perennial weeds. Good preparation is essential to success to aim to control weeds and produce a good quality seed bed before sowing. To prepare a seed bed first remove weeds using repeated cultivation or a herbicide. Then plough or dig to bury the surface vegetation, harrow or rake to produce a medium tilth, and roll, or tread, to produce a firm surface.

Sowing

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. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed, but firm in with a roll, or by treading, to give good soil/seed contact.

Aftercare

First year management

Most sown meadow wild flower and grass species are perennial; they will be slow to germinate and grow and will not usually flower in their first growing season. There will often be a flush of annual weeds from the soil in the first growing season which may grow up and obscure the meadow seedlings beneath. This annual weed growth is easily controlled by topping or mowing. Mow newly sown meadows regularly throughout the first year of establishment to a height of 40-60mm, removing cuttings if dense. This will control annual weeds and help maintain balance between faster growing grasses and slower developing wild flowers. Carefully dig out or spot treat any residual perennial weeds such as docks.

Management once established

In the second and subsequent years EM2 sowings can be managed in a number of ways which, in association with soil fertility, will determine the character of the grassland. The best results are usually obtained by traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing or grazing. Meadow grassland is not cut or grazed from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August take a 'hay cut': cut back with a scythe, petrol trimmer or tractor mower to c 50mm. Leave the 'hay' to dry and shed seeds for 1-7 days then remove from site. Mow or graze the re-growth through to late autumn/winter to c 50mm and again in spring if needed. For further information visit: <https://wildseed.co.uk/page/ground-preparation>

8. **Watering:**

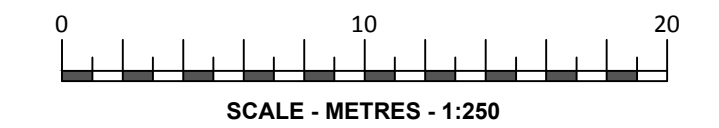
- i) All Trees, Hedges and Shrub beds to be watered in the first year of establishment regularly during periods of drought until established.
- ii) For the trees in the first year of establishment and in subsequent years if there is a drought. Water with the following volumes once every 2-4 weeks regardless of rainfall: 12-14cm girth trees - 150 litres minimum per month

9. **Weeding:**

All shrub beds to be maintained weed free by regularly hand weeding the beds and spot treating any prolific weeds with a glyphosate based weed killer. Maintaining the bark mulch will also help to reduce weed growth.

10. The contractor must ascertain himself/herself of the exact location of underground services prior to carrying out any digging on site.

Rev D: Updated in accordance with Architect's layout TR 16/02/2023
Rev C: Tree sizes/spec increased to 12-14cm HS TR 28/04/2022
Rev B: Updated in accordance with Architect's layout TR 23/03/2022
Rev A: Substation revised TR 08/12/2021



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Client:
Euro Garages Ltd.
Project:
School Lane, Knowsley

Description:
Landscape Layout

Status:
Planning

Scale:
1:250@A0

Drawn:
EM (TR)

Job number:
4946

Drawing number:
01

Date:
Dec 21

Revision:
D

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All levels and dimensions to be checked on site by contractor prior to commencement. Any variations to be reported to the client. This drawing is to be read in conjunction with all others relating to the project and all information derived accordingly; any anomalies to be reported to the client. Do not scale from this drawing. Use figured dimensions only. Work shown on this drawing to be carried out in accordance with current British Standards and Code of Practice.

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PLANT SCHEDULE				
Abb.	Species	Pot	Size	Density
SHRUB PLANTING				
Total				
BBW	Bergenia 'Bressingham White'	3L	30-40	3sq.m
CID	Carex 'Ice Dance'	3L	30-40	4sq.m
CIS	Choiya ternata 'Sundance'	3L	30-40	3sq.m
ERI	Euonymus fortunei 'Harlequin'	3L	20-30	4sq.m
HMB	Hebe 'Midsummer Beauty'	3L	30-40	3sq.m
HMW	Hebe 'Mrs Winder'	3L	30-40	3sq.m
HpB	Hydrangea paniculata 'Bobo'	3L	30-40	3sq.m
LaV	Lavendula angustifolia 'Vera'	3L	20-30	3sq.m
PBB	Phorium 'Bronze Baby'	20L	100-125	As shown
PP	Phorium 'Purpureum'	20L	100-125	As shown
PYW	Phorium 'Yellow Wave'	20L	100-125	As shown
PV	Pittosporum tenuifolium 'Variegatum'	3L	30-40	3sq.m
Sh	Sarcococca humilis	3L	30-40	3sq.m
SMM	Skinimia 'Magic Merlot'	3L	30-40	3sq.m
SG	Skinimia 'Kiss Green'	3L	30-40	3sq.m
Vd	Viburnum davidii	3L	30-40	3sq.m
NATIVE SHRUB MIX - Planted at 1/m2 and to be protected with spiral bound shrub guards - Total 537m2				
Ca	Corylus avellana	BR	60-80	20%
Cs	Cornus sanguinea	BR	60-80	10%
Cm	Crataegus monogyna	BR	60-80	20%
Vo	Viburnum opulus	BR	60-80	10%
Sn	Sambucus nigra	BR	60-80	10%
Rc	Rosa canina	BR	60-80	10%
Mh	Malus sylvestris	BR	60-80	5%
la	Ilex aquifolium	2L C	40-60	5%
NATIVE HEDGROW MIX: Planted in a staggered row at 6 per lin.m and to be protected with spiral bound shrub guards - Total 191lin.m				
Cm	Crataegus monogyna	BR	100-120	50%
Ca	Corylus avellana	BR	100-120	20%
Ps	Prunus spinosa	BR	100-120	10%
Vo	Viburnum opulus	BR	100-120	10%
Rc	Rosa canina	BR	100-120	5%
la	Ilex aquifolium	2L C	100-120	5%
TREES				
		Spec	Height	Total
Ac	Acer campestre	12-14cm girth	Heavy Standard	9
Ag	Alnus glutinosa	12-14cm girth	Heavy Standard	11
Bj	Betula jacquemontii	Multi-stem	3-4m high	10
Bp	Betula pendula	12-14cm girth	Heavy Standard	12
CbFF	Carpinus betulus Frans Fontaine	12-14cm girth	Heavy Standard	15
Tc	Tilia cordata	12-14cm girth	Heavy Standard	10
Pa	Prunus avium	12-14cm girth	Heavy Standard	7
WILDFLOWER MIX: EM3 by Emergate - Total 253m2 4g/m2 = 548g				
POND EDGE SEED MIX: Supplied by Habitat Aid Ltd - Total 415m2 3g/m2 = 1245g				