

PLANTING NOTES

PREPARATION:

Planting to be undertaken into existing in-situ topsoil, if it is within the parameters of 'sandy loam' as defined in BS3882.

PLANTING:

Plant material to conform to the National Plant Specification. All plant stock to originate from within the UK. Plant handling and planting operations to be in accordance with HTA 'Handling and Establishing Landscape Plants', Parts IIII.

The roots of bare-root plants must be kept covered at all times, to prevent them drying out. Keep small bare-root plants completely within a polythene sack until the moment of planting.

Transplants- To be notch planted or pit planted depending on soil conditions and size of roots, each with 30g 'Sierrablen Flora' slow release fertiliser. Ensure notch is large enough to accommodate roots without bending or breaking. Plant at the same depth transplant was growing at previously. All plants to be fitted with Tubex tree or shrub shelters according to species, securely staked and with full ground contact.

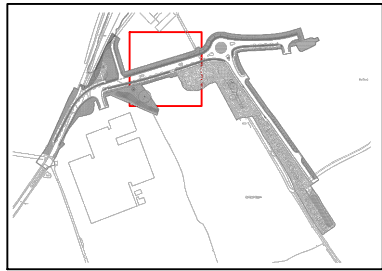
Each tree to be protected from deer by a 1.8m x 300mm diameter weld mesh tree shelter guard. Guard to be secured to 2no. (1.8m x 75mm diameter) softwood timber stakes with staples or cable ties.

Planting to be carried out late October to late March, on a mild, damp day. Avoid days with frost or strong, drying winds.

Water immediately after planting.

In case of herbicide application after planting, it should be carried out by a suitably trained person, only in periods of low winds, and with careful directional application to ensure no spray drift. Observe all precautions recommended by the manufacturer and remove containers from site immediately after they have been emptied or are no longer required.

Existing trees to be protected with fencing as specified by the Arboriculturalist.



Botanical name	Symbol	Form	Min. supply size (cm)	Clear stem (cm)	Girth (cm)	Transplanted	Root condition	Total no.	Notes
Acer campestre	AC.CA	Extra Heavy	400-450	min.200	14-16	3x	Rootballed or	5	All new trees to
Acer campestre 'Elsrijk'	AC.EL	Extra Heavy	400-450	min.200	14-16	3x	AirPot grown	13	have allowance for
Alnus cordata	AL.CO	Extra Heavy	350-400	min.200	14-16	3x		28	watering bag, double stake or
Alnus incana 'Aurea'	AL.IN	Heavy	350-400	min.200	12-14	3x		1	underground
Alnus glutinosa	AL.GL	Heavy	350-400	min.200	12-14	3x		7	guying and
Betula pubescens	BE.PU	Multi-stem	200-250			3x	Container	6	irrigation pipe.
Carpinus betulus	CA.BE	Extra Heavy	400-450	min.200	14-16	3x	Rootballed or	2	
Crataegus monogyna	CR.MO	Multi-stem	200-250			3x	Container	2	
Prunus avium	PR.AV	Extra Heavy	400-450	min.200	14-16	3x	Rootballed or	5	
Salix alba	SA.AL	Heavy	350-400	min.200	12-14	3x	AirPot grown	1	
Salix fragilis	SA.FR	Heavy	350-400	min.200	12-14	3x		1	
Sorbus aria	SO.AR	Extra Heavy	400-450	min.200	14-16	3x		2	
Tilia 'Winter Orange'	TI.WI	Extra Heavy	400-450	min.200	14-16	3x		7	
Quercus robur	QU.RO	Standard	250-300	min.200	8-10	3x		1	
Total trees								81	

PL01 - Marginal Planting mix							
Species	Specification				Planting		
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
Emorsgate EP1					as specified by the supplier		
PL02 - Pond Edge mix							
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
Emorsgate EP1					as specified by the supplier	25%	
AQUATIC							
Butomus umbellatus	482		basket			10%	
Dipsacus fulurion	482		2L			10%	
Hydrocharis morsus	80		2L			5%	
Lythrum salicaria	440		2L			10%	
Manyanthes trifoliata	440		2L			10%	
Nymphaea alba	50		basket			5%	
Vicia sepium			2L			10%	
GRASSES							
Carex x Elytroides	37		basket			5%	
Typha latifolia	27		2L			10%	
PL03 - Wetland Meadow mix							
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
Emorsgate EM8					as specified by the supplier		
PL04 - Buffer Scrub mix							
Botanical name	No.	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
SCRUB MIX							
Cornus sanguinea	356		bare root	40-60	2/m2	30%	Scrub mix to be planted at 1.5m centres on a grid in a single species group of 3-5
Crataegus monogyna	149		bare root	40-60	1/m2	25%	
Cytus scoparius	59		bare root	40-60	2/m2	5%	
Euonymus europaeus	59		bare root	40-60	1/m2	10%	
Ilex aquifolium	119		2L	40-60	2/m2	10%	
Ligustrum vulgare	59		bare root	40-60	2/m2	5%	
Rosa canina	30		bare root	40-60	1/m2	5%	
Salix caprea	119		bare root	40-60	2/m2	10%	
PL05 - Native Hedgerow mix							
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
HEDGEROW MIX							
Acer campestre	92		bare root		7 plants per m	15%	Hedgerow to be planted in a double staggered row, rows, 250mm apart, at 300mm centres
Corylus avellana	123		bare root			20%	
Crataegus monogyna	123		bare root			20%	
Euonymus europaeus	31		bare root			5%	
Ilex aquifolium	62		2L			10%	
Prunus spinosa	31		bare root			5%	
Rosa canina	31		bare root			5%	
Quercus robur	31		bare root			5%	
Viburnum lantana	92		bare root			15%	
PL06 - Road Verge mix							
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
Germinal A18 road verge and embankments					as specified by the supplier		
PL07 - Species Rich Lawn mix							
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
Festuca rubra commutata					as specified by the supplier	as specified by the supplier	
Festuca rubra trichophylla							
Festuca ovina							
Lolium perenne							
Phleum bertolonii							
Poa pratensis							
PL08 - Road Edge Wildflower mix							
Botanical name	Symbol	Form	Container size	Height(cm)	Density/m2 or as noted	% Mix	Notes
Emorsgate EM3							

LEGEND

Site Boundary

SOFTWORKS

Existing tree with RPA

Proposed tree - single stem

Proposed tree - multi-stem

Existing trees to be retained

Category A - High quality

Category B - Moderate quality

Category C - Low quality

PL01 - Marginal Planting mix (Emorsgate EP1 sown at 4g/m²)

PL02 - Pond Edge mix (Emorsgate EP1 sown at 4g/m² & Aquatic mix)

PL03 - Wetland Meadow mix (Emorsgate EM8 sown at 4g/m²)

PL04 - Buffer Scrub mix

PL05 - Native Hedgerow mix

PL06 - Road Verge mix

PL07 - Species Rich Lawn mix, sown at 10g/m²

PL08 - Road Edge Wildflower mix (Emorsgate EM3 - sown at 4g/m²)

Area to be left to allow natural succession. Any concrete road present to be broken up and removed from site

Existing hedge to be retained

Proposed lighting columns Refer to Engineer's drawings

Proposed V mesh security fencing (British Museum) and gate to match existing

Proposed post and 3 rail timber fence

Proposed filter drain

Indicative rootzone area shown as 26m² to provide a volume of 12cu/m

2.4 x 70m Junction Visibility (see ALP drawing A392-IV1-101 Rev P7)

70m Pedestrian Visibility (see ALP drawing A392-IV1-101 Rev P7)

5M Tree Exclusion Zone (see ALP drawing A392-IV1-1401 REV P6)

No Dimensions are to be scaled from this drawing. All dimensions to be checked on site. Area measurements for indicative purposes only.

Contractors must verify all figured dimensions at site before commencing any work or making any Shop drawings.

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No. Revisions

By Date

A Draft issue for planning EM 02.10.23

B Issue for planning EM 19.10.23

C Updates to fencing, footways, planting and key AIL 10.11.23

D Updates to tree locations and table AIL 06.03.24

E Updates to tree locations AIL 07.03.24

F Issue to incorporate planning officers comments EM 17.04.24

G Tree pit extents and filter drains added RA 11.10.24



URBAN DESIGN STUDIO

Client

University of Reading

Job

Thames Valley Science Park

Primary Infrastructure

Drawing Title

NHM Access Road:

Landscape Planting Plan - Sheet 5

Job No. 498048

Date 02.10.2023

Drawn By EM

Checked By RB

Scale 1:200@A1

Drawing No. LA052

Rev. G