

PLANTING NOTES

GENERAL

- 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 I - III.
- Topsoil for planting and amenity grass areas to be fertile with maximum 35% clay content and 5% minimum organic content, pH 5.8 - 7.5 and to be free of perennial weeds, weed seeds and contamination. Maximum stone content 20% (20mm+ particle size), maximum size of stones 50mm in any direction. Existing topsoil to be ameliorated and/or screened if necessary to achieve this specification. Imported topsoil to be to BS 3882: Multi Purpose Grade, from an approved source, and to accord with the above specification.
- Excess topsoil excavated from haul road/paths to be distributed on plots (subject to accordance with above specification).
- Existing vegetation within allotment site to be felled and roots mechanically removed as required. Herbicide application required.

TREE PLANTING

- Extra Heavy Standards- Planted in pits approximately 1200x1200x900mm, backfilled with excavated subsoil/topsoil to replicate adjacent soil profile mixed with 120g 'Sierrablen Flora' slow release fertiliser. Supported by double stake and adjustable tree tie and base of trunk protected with spiral rabbit guards.
- All standard trees are to be fitted with 'Greenleaf' 'Root-rain Urban' irrigation pipe and inlet, or similar approved, size as appropriate.
- No trees are to be planted within 3m of sewers or services (or other easement recommended by the relevant statutory undertaker) without the use of tree root barriers, eg. 'Greenleaf' Reroot 600 /100 placed between the tree and services. Contractor to ascertain the location of all sewers and services prior to tree planting.

WOODLAND PLANTING

PREPARATION:

- Planting to be undertaken into existing in-situ topsoil.
- Existing crops to be removed. Topsoil/subsoil to be cultivated/ripped to a depth of 500mm to relieve compaction.

PLANTING:

- All plant material to be of UK origin.
- 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.
- Refer to matrixes and schedules from planting arrangements and mixes (dwg L04).
- Transplants- Notch planted or pit planted depending on soil conditions and size of roots 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 tree/shrub shelters, securely staked and with full ground contact.
- 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.
- Undertaken chemical weeding of an area of 1m diameter around each plant immediately after planting. Ensure herbicide application is 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 they have been emptied or are no longer required
- Area to be protected by rabbit/deer proof fencing (with pedestrian access gates for maintenance).

HEDGE PLANTING

- Hedge beds to have a minimum depth of 450mm topsoil over 150mm broken up ground with all stones over 50mm removed.
- Apply a suitable peat free organic compost, 50mm depth even coverage and incorporate into topsoil during cultivation operations, to a minimum depth of 150mm. Compost source and sample to be approved.
- Transplants- Notch planted or pit planted depending on soil conditions and size of roots 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 tree/shrub shelters, securely staked and with full ground contact.
- All hedge beds to be mulched with matured coniferous bark, with an even particle size between 15 - 65mm, to a minimum depth of 75mm over weed free soil after completion of all planting and watering operations. Mulch to be free of pests, diseases, fungus and weeds, and with no fines or dust. Mulch source and sample to be approved.

GRASS AREAS

- Grass areas are to have a minimum depth of 150mm topsoil brought to a fine tilth all stones over 40mm, in any direction removed. Areas should be uniformly firmed. Seeding to be low maintenance species rich grass mix e.g. DLF SRG (Species Rich Grass) mix sown at 25kg/ha.

TIMES OF YEAR FOR PLANTING

- Deciduous trees and shrubs: Late October to early March (subject to ground conditions and temperature)
- Container grown plants: At any time if ground and weather conditions are favourable
- Amenity grass: April to October

PLANTING SCHEDULE

Abbv	Trees	Size /girth	Notes
Ac ca (EHS)	Acer campestre	400-500cm /14-16 cm	EHS/RB/ clear stem
Ma sy	Malus sylvestris	400-500cm /14-16 cm	EHS/RB/ clear stem
Qu ro (EHS)	Quercus robur	400-500cm /14-16 cm	EHS/RB/ clear stem
So au	Sorbus aucuparia	400-500cm /14-16 cm	EHS/RB/ clear stem

Abbv	Hedging	Density	Size
Hedge2	Native hedge mix 40% Crataegus monogyna, 20% Prunus spinosa, 15% Corylus avellana, 15% Ilex aquifolium, 5% Euonymus europaeus, 5% Rosa canina	Double staggered row, rows 400mm apart, 3no per m	40-60 cm high, T1+1, BR,

WOODLAND EDGE MIX

ABBV	SPECIES	%	TYPE/SIZE (cm)	CENTRES (m)	GROUPS
Ca	Corylus avellana	35	T1 + 1, 40-60cm	1	3-6
Cm	Crataegus monogyna	15	T1 + 1, 40-60cm	1	3-6
Ia	Ilex aquifolium	10	T1 + 1, 40-60cm	1	3-6
Ps	Prunus spinosa	15	T1 + 1, 40-60cm	1	5-9
Rc	Rosa canina	15	T1 + 1, 40-60cm	1	5-9
Vo	Viburnum opulus	10	T1 + 1, 40-60cm	1	5-9

'RUBBER LOCK' TREE TIES AND SPACERS. 2No. TIES PER TREE, ONE IMMEDIATELY BELOW THE OTHER. USE APPROPRIATE SIZE FOR TREE AS RECOMMENDED BY SUPPLIER

75mm DIAMETER, 1600 LONG SOFTWOOD TIMBER STAKE. LOWER END TREATED WITH PRESERVATIVE. POSITION OF STAKES DEPENDANT ON SIZE OF ROOTBALL.

PLASTIC SPIRAL RABBIT GUARD 450mm HIGH- BARK MULCH TO 75mm DEPTH

BACKFILL MATERIAL TO BE TOPSOIL MIXED WITH 20% PEAT FREE ORGANIC TREE PLANTING COMPOST AND 120G 'SIERRABLEN FLORA' SLOW RELEASE FERTILISER

BASE OF PIT BROKEN UP TO 150mm MIN DEPTH.

ALL TREES TO HAVE WATERING PIPE

TREE/SHRUB SHELTER 600mm HIGH WITH 25x25x750mm STAKE SUPPORT + 2No. TIES

BACKFILL MATERIAL TO BE EXCAVATED TOPSOIL MIXED WITH 30G 'SIERRABLEN FLORA' SLOW RELEASE FERTILISER

1 Extra heavy standard trees

PLANTING PIT SIZE SUBJECT TO SOIL CONDITIONS AND SIZE OF ROOTS. GENERALLY PLANTS TO BE NOTCH PLANTED ENSURING NOTCH IS LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT BENDING OR BREAKING AND TO EVENLY DISTRIBUTE ROOTS. PIT PLANTING (AS ILLUSTRATED) TO BE USED IF ROOT SYSTEM IS TOO LARGE TO BE NOTCH PLANTED.

2 Woodland/Shrub planting - Transplants

3 Allotment fencing



- NOTES:
1. 1.8m high
 2. Weld mesh
 3. PPC in green
 4. Anti-vandal fixings
 5. Posts to suppliers recommendations and spacing
 6. Matching gates

The scaling of this drawing cannot be assured

Revision	Date	Drm	Ckd
A	Boundary amended	14.09.16	AFS CH
B	Northern fence line amended	07.10.16	AFS CH
C	Updated following WBC comments	20.03.17	CH JH
D	Gravel changed to tarmac path as per client request	07.04.17	AFS

LEGEND

	Application boundary
HARD LANDSCAPE	
	Tarmac path
	Compacted MOT base with grass seeded surface (allotments haulage road)
	Paladin fence (green) to allotments, 1.8m high, with matching lockable gates, Detail 3
	Secure lockable gate to allotment to match fencing
	Water tap and indicative pipe route
SOFT LANDSCAPE	
	Existing tree retained
	Existing tree (Grade C) removed to facilitate footpath improvements
	Proposed trees
	Woodland planting
	Hedge planting
	Low maintenance grass
	Low maintenance grass area (suitable for future use for composting, storage etc)

Allotment site approved under
Shinfield West Phase 1 application
(ref: 161189)

PLANNING

Project		University of Reading South of M4	
Drawing Title		Shinfield West Phase 1 North Offsite Allotments	
Date	Scale	Drawn by	Check by
19.08.16	1:500@A1	AFS	CH
Project No	Drawing No	Revision	
24262	RG-L-503	D	

BARTON WILLMORE

Planning • Master Planning & Urban Design •
Architecture • Landscape Planning & Design • Environmental
Planning • Graphic Design • Public Engagement • Research

bartonwillmore.co.uk



Offices at Bristol Cambridge Cardiff Ebbw Vale Edinburgh Leeds
London Manchester Newcastle Reading Solihull Southampton