

OUTLINE SPECIFICATION

Existing trees and shrubs to be retained shall be protected in accordance with the current British Standard 'Trees in relation to construction'. Generally fencing shall be a 1.2m high cleft chestnut or 1.8m 'Herres' type fencing secured and maintained in position for the duration of construction.

GENERAL

All planting work & plants shall be in accordance with all approved current relevant horticultural & British Standard specifications including 'Nursery stock', 'Landscape Operations', 'Trees in relation to Design, Demolition & Construction', 'Tree Work' and the latest National Building Specification, National Plant Specification & HTA Handling & Establishing Landscape Plants. Herbicides, pesticides and other chemicals may only be used with the approval of the CA Use of chemicals shall be in accordance with all relevant guidelines and the manufacturers recommendations. Imported topsoil shall be a minimum specification of general-purpose grade, unless otherwise instructed. 1 cu.m approved compost/organic material/soil ameliorant per 20 sq m shall be cultivated into topsoil before planting. Peat shall not be used. Following planting all shrub beds shall be treated with an approved granular fertilizer at rates recommended by the manufacturer. All ornamental planting beds shall be mulched with 50mm depth medium grade ornamental bark mulch. All hedge and native planting shall be mulched with 75mm depth mushroom compost.

TOPSOIL
Imported topsoil shall be a minimum specification to current British Standard BS 3882:2015 Multi-purpose grade from an approved source in accordance to the above specification, unless otherwise instructed. 1 cu.m approved compost/organic material/soil ameliorant per 20 sq m shall be cultivated into topsoil before planting. Peat shall not be used.

MAINTENANCE
The defects liability period for planting shall be 12 months from completion of the works, to the current British Standard. During this period, any plant which is found to be dead, dying or otherwise defective shall be replaced at the expense of the contractor during the next planting season. The contractor shall make maintenance visits as required to ensure the successful establishment of the planting and maintain all shrub areas in a weed free condition. Regular visits (minimum 8 No.)

required, to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the CA. Maintenance to include watering, pruning, pest and disease control and re-mulching as required to current British Standard. Final visit to be immediately prior to handing over and to include a fertilizer treatment of Enmag (6:20:10) at 100g/m2 and 25mm depth bark mulch top up to all ornamental planted area. Annually grass mowing at two-week intervals during growing season, meadow grass maintained in accordance with seed supplier's recommendation. Maintenance to be carried out in years 2-5 to be agreed.

Trees - Trees planted into tree pits 75mm deeper than the root system and wide enough to accommodate roots when fully spread. Root balled trees to be dug 500mm wider and same depth as the rootball. If the site is on an uncultivated site or where clay soils could get waterlogged the tree pits should be 2-3 times the size of the rootball. Hedges - Planted into 450mm depth topsoil. Specimen Shrubs - Planted into 450mm depth topsoil. Ornamental Shrubs and Groundcovers - Planted into 450mm depth topsoil. Climbers - Planted into 450mm depth topsoil as indicated. Support to be provided as required. Grass area - 100mm depth topsoil

TREE PLANTING
All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage. Tree pits to have suitable topsoil to the current British Standard to a suitable depth, with irrigation, drainage, root protection, aeration, not calls as required to suit ground conditions, as approved by CA.

PLANT MATERIAL TREATMENT
All to be British grown stock and fully hardened off. Root Dip - Proprietary Root Dip applied to all bare-rooted stock (1) at time of lifting at nursery and (2) prior to planting. Anti-Desiccant - Proprietary anti-desiccant to be applied to foliage of all containerized root balled material in leaf, specimen conifers and evergreen etc., (1) prior to transportation and (2) during any delay in planting.

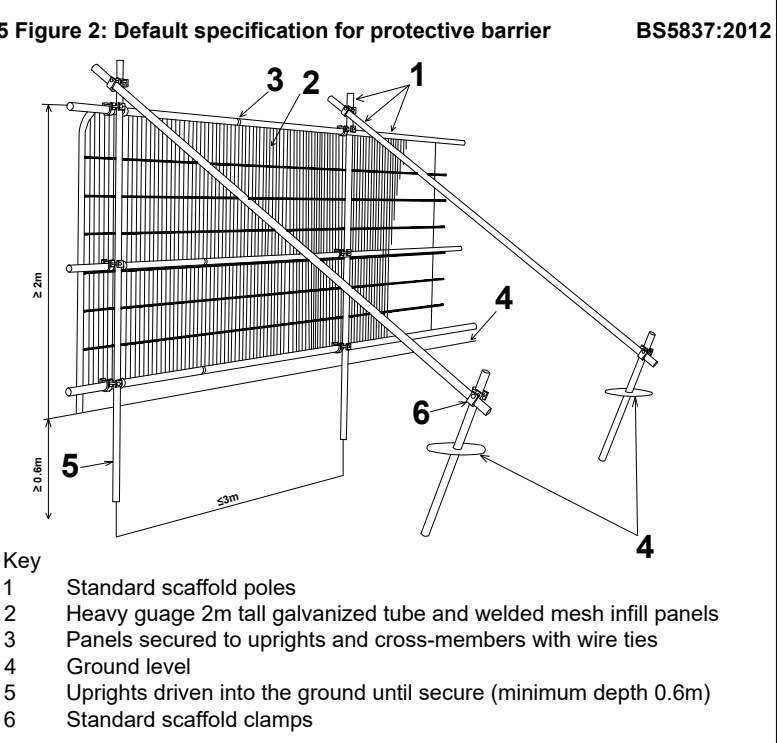
Pruning - Allow for pruning of all deciduous trees and shrubs by 113rd following planting at Landscape Architects instruction or as indicated in the planting schedule. Tree stakes and ties - Stakes to be pressure treated, round, smooth and peeled larch or chestnut, not less than 100mm in diameter. Advanced nursery stock - double staked with cross bar

CLASS	QTY	SPECIES	SIZE & SPECIFICATION	ROOT	DENSITY
Trees	9	Alnus glutinosa	Selected Standard, 2x 10-12cm girth, 300-350cm Ht, 175-200cm clearstem	RB	As DWG
	22	Betula pendula	Selected Standard, 2x 10-12cm girth, 300-350cm Ht, 175-200cm clearstem	RB	As DWG
	23	Betula pubescens	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	14	Carpinus betulus	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	7	Fagus sylvatica	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	15	Malus sylvestris	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	7	Populus nigra	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	11	Prunus avium	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	10	Prunus padus	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	8	Quercus robur	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	8	Salix alba	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	16	Sorbus aria	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	23	Sorbus aucuparia	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	6	Tilia cordata	Semi Mature, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	1023	Acer campestre 10%	Transplant 1+1: 80-100cm height	BR	
	1023	Cornus sanguinea 10%	Transplant 1+2: 80-80cm height, branched min: 3 breaks	BR	
Ive Shrub- ring Mix 1	1023	Corylus avellana 10%	Transplant 1+2: 80-80cm height, branched min: 3 breaks	BR	
	1023	Crataegus monogyna 10%	Transplant 1+1: 80-100cm height	BR	
	512	Eunymus europaeus 5%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	512	Ilex aquifolium 5%	60-80cm height, SL leader and laterals	BR	
	512	Ligustrum vulgare 5%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	512	Rosa canina 5%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	512	Rosa rubiginosa 5%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	512	Salix purpurea 5%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	1023	Sambucus nigra 10%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	512	Ulex europaeus 5%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	1023	Viburnum opulus 10%	Transplant 1+1: 80-80cm height, branched min: 3 breaks	BR	
	350	Acer campestre 15%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	233	Corylus avellana 10%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	467	Crataegus monogyna 20%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	1169	Ilex aquifolium 5%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
Ive Shrub- ring Mix 2	233	Ligustrum vulgare 10%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	233	Rosa arensis 10%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	233	Sambucus nigra 10%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	233	Viburnum lantana 10%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	233	Viburnum opulus 10%	Transplant 1+2: 180-180cm height, branched min: 5 breaks	BR	
	333No.	Acer campestre (10%)	1110mm @ 3/m ² planted in species groups of 3-5		
	333No.	Cornus sanguinea (10%)			
	333No.	Corylus avellana (10%)			
	333No.	Crataegus monogyna (10%)			
	167No.	Eunymus europaeus (5%)			
	167No.	Ilex aquifolium (5%)			
	167No.	Ligustrum vulgare (5%)			
	167No.	Rosa canina (5%)			
	167No.	Rosa rubiginosa (5%)			
	167No.	Ruscus aculeatus (5%)			
	167No.	Salix purpurea (5%)			
	333No.	Sambucus nigra (10%)			
	167No.	Ulex europaeus (5%)			
	333No.	Viburnum opulus (10%)			



KEY

- Existing trees to be retained & protected in accordance with BS5837:2012
- Tree Protection Fencing in accordance with BS5837:2012 as per below diagram:
- Existing vegetation to be retained
- Existing swales
- Proposed pond
- Tarmac/ad roads as per engineer's specification and detail
- Block paving for carparking spaces - eg: Artro Steel ex. Tsbemore, laid stretcher bond
- Amenity grass
- Meadow grass in drifts within the amenity grass eg: EM3 Special General Purpose Meadow Mix ex. Emorsgate to include the following wildflowers:-
 - Yarrow
 - Greater Knapweed
 - Field scabious
 - Oxeye daisy
 - Salad burnet
 - Selfheal
 - Meadow buttercup
 - Bladder campion
 - Achillea millefolium
 - Centaurea scabiosa
 - Knausa arenensis
 - Leucanthemum vulgare
 - Sanguisorba minor
 - Prunella vulgaris
 - Ranunculus acris
 - Silene vulgaris
- Marginals seed mix to swales eg: EPI Pond Edge Mix ex. Emorsgate to include the following wildflowers:-
 - Marsh marigold
 - Common Knapweed
 - Meadowsweet
 - Flag iris
 - Purple Loosestrife
 - Selfheal
 - Yellow rattle
 - Caltha palustris
 - Centaurea nigra
 - Filipendula ulmaria
 - Iris pseudoacorus
 - Lythrum salicaria
 - Prunella vulgaris
 - Rhinanthus minor
- Green Wall System
Scotspace fyotextile living wall system.
To cover 1300m2 of wall space Plant numbers and density to be determined and agreed by specialist installer Species to be selected from:-
 - Armeria Martima
 - Artemisia Dracunculus
 - Asplenium Scolopendrium
 - Aubrieta Argentovariegata
 - Aquilegia
 - Bergenia
 - Campanula
 - Carex Oshimensis 'Evergold'
 - Chamaemelum Nobile
 - Cotoneaster Horizontalis
 - Cytisium Falcatum
 - Epidendrum Grandiflorum
 - Eunymus fortunei
 - 188No. Sambucus nigra (10%)
 - 93No. Ulex europaeus (5%)
 - 188No. Viburnum opulus (10%)
 - Hedra helix
 - Helleborus nigra
 - Heuchera spp.
 - Hosta spp.
 - Liriope muscari
 - Pachysandra terminalis
 - Petrorragia Saxifraga
 - Phlox Subulata
 - Pratia Pedunculata
 - Primula Vialii
 - Saxifraga x Urbium
 - Tiarella
 - Uncinia Rubra
 - Vinca Minor
- Proposed Native Shrubs - Mix 1
Further information See Schedule
- Proposed Native Shrubs - Mix 2
Further information See Schedule
- Proposed Native Standard Trees
Further information See Schedule
- Site Boundary



Rev E, 27.09.2021, Removal of Resin Bound, DC
Rev D, 24.09.2021, Updated planting for amenity assessment, LB
Rev C, 16.09.2021, Updated Key Green wall, LB
Rev B, 16.09.2021, Updated TPF location to match A&E info, LB
Rev A, 16.09.2021, Added green wall and amended to new layout, LB
revision / date / description / drawn

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client
project
scale
1:500 @ A0
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1st June 2021
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revision
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