

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 chestnut or 1.6m 'Heres' 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, Maintenance & Construction', 'Tree Work' and the latest National Building Specification, National Plant Specification & H7A '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 cum 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 Multi-purpose grade from an approved source in accordance to the above specification, unless otherwise instructed. 1 cum 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 6 No.)

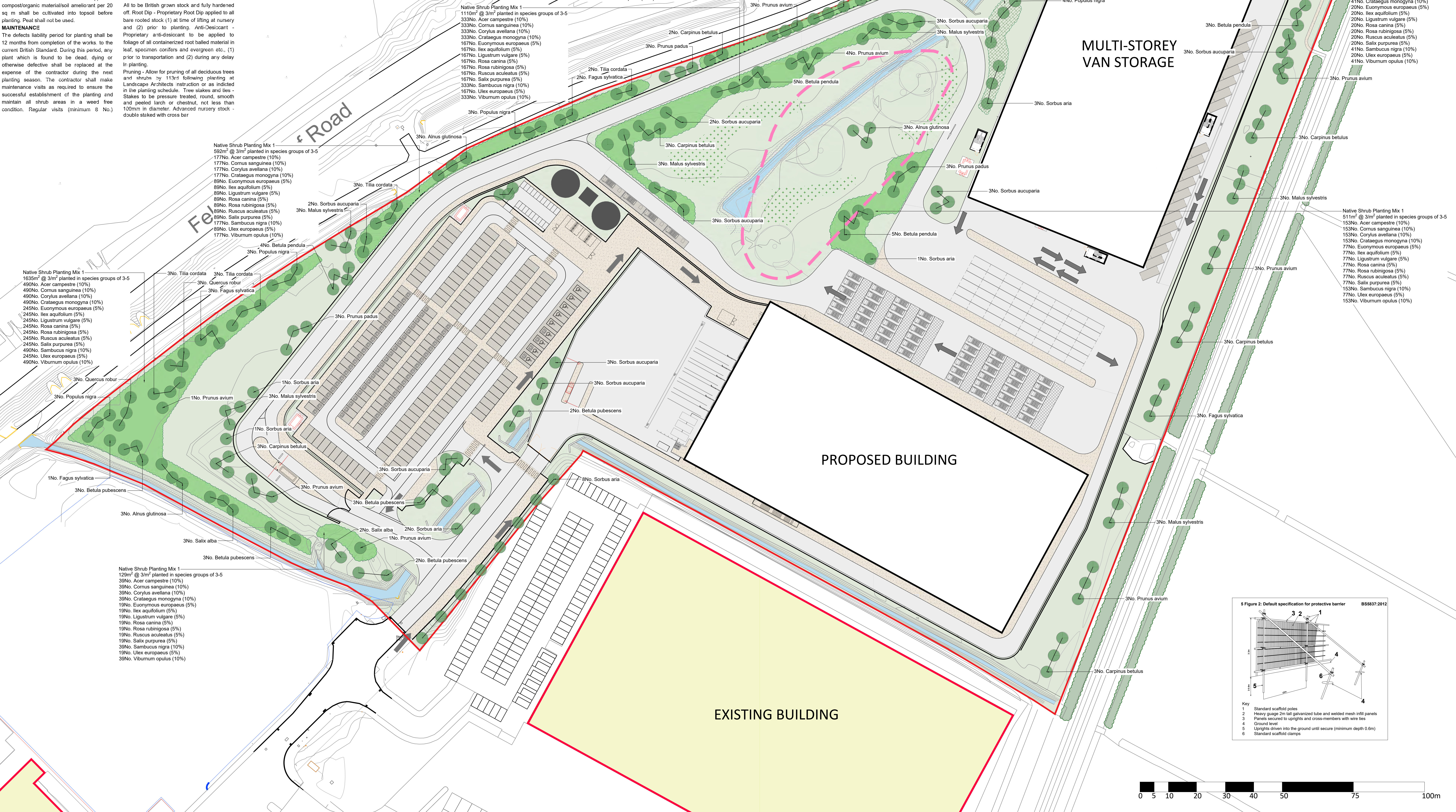
required, to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the CA. Maintenance to include watering, pruning, pest and disease control and re-mulching as required to current British Standard. Final visit to be immediately prior to handing over and to include a fertilizer treatment of Enmag (6:2:10) at 100g/m² and 25mm depth bark mulch top up to all ornamental planted areas. 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.

PLANT SCHEDULE
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, root 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 11/31 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

PLANTING SCHEDULE SHEET 1 OF 3					
CLASS	QTY	SPECIES	SIZE & SPECIFICATION	ROOT	DENSITY
Trees	14	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
	26	Betula pubescens	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	19	Carpinus betulus	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	9	Fagus sylvatica	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	13	Malus sylvestris	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	13	Populus nigra	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	27	Prunus avium	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	16	Prunus padus	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	6	Quercus robur	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	8	Salix alba	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	16	Sorbus aria	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	25	Sorbus aucuparia	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	17	Tilia cordata	Selected Standard, 2x 18-20cm girth, 400-500cm Ht, 175-200cm clearstem	RB	As DWG
	133	Acer campestre 10%	Transplant 1+1: 80-100cm height	BR	
	133	Cornus sanguinea 10%	Transplant 1+2: 80-100cm height, branched min: 3 breaks	BR	
	133	Corylus avellana 10%	Transplant 1+2: 80-100cm height, branched min: 3 breaks	BR	
Native Shrub Planting Mix 1	133	Crataegus monogyna 10%	Transplant 1+1: 80-100cm height	BR	
	668	Euonymus europaeus 5%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	668	Ilex aquifolium 5%	60-80cm height, SL leader and laterals	BR	
	668	Ligustrum vulgare 5%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	668	Rosa canina 5%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	668	Rosa rubiginosa 5%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	668	Salix purpurea 5%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	133	Sambucus nigra 10%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	668	Ulex europaeus 5%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	1331	Viburnum opulus 10%	Transplant 1+1: 80-100cm height, branched min: 3 breaks	BR	
	372	Acer campestre 15%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	248	Corylus avellana 10%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	496	Crataegus monogyna 20%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	124	Ilex aquifolium 5%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	248	Ligustrum vulgare 10%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	248	Rosa arensis 10%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	248	Sambucus nigra 10%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
Native Shrub Planting Mix 2	248	Viburnum lantana 10%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	248	Viburnum opulus 10%	Transplant 1+2: 160-180cm height, branched min: 5 breaks	BR	
	325m ²	Acer campestre (10%)	3 per m ² , planted in groups of 3 same species fitted with spiral guards and canes if rabbits present	BR	
	98No.	Cornus sanguinea (10%)		BR	
	98No.	Corylus avellana (10%)		BR	
	98No.	Crataegus monogyna (10%)		BR	
	49No.	Euonymus europaeus (5%)		BR	
	49No.	Ilex aquifolium (5%)		BR	
	49No.	Ligustrum vulgare (5%)		BR	
	49No.	Rosa canina (5%)		BR	
	49No.	Rosa rubiginosa (5%)		BR	
	49No.	Ruscus aculeatus (5%)		BR	
	49No.	Salix purpurea (5%)		BR	
	49No.	Sambucus nigra (10%)		BR	
	49No.	Ulex europaeus (5%)		BR	
	98No.	Viburnum opulus (10%)		BR	
	1110m ²	Acer campestre (10%)	3 per m ² , planted in species groups of 3-5	BR	
	333No.	Cornus sanguinea (10%)		BR	
	333No.	Corylus avellana (10%)		BR	
	333No.	Crataegus monogyna (10%)		BR	
	167No.	Euonymus europaeus (5%)		BR	
	167No.	Ilex aquifolium (5%)		BR	
	167No.	Ligustrum vulgare (5%)		BR	
	167No.	Rosa canina (5%)		BR	
	167No.	Rosa rubiginosa (5%)		BR	
	167No.	Ruscus aculeatus (5%)		BR	
	167No.	Salix purpurea (5%)		BR	
	333No.	Sambucus nigra (10%)		BR	
	333No.	Viburnum opulus (10%)		BR	



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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 roads as per engineer's specification and detail
- Block paving for carparking spaces - eg. Artro Steel ex. Tobemore, laid stretcher bond
- Resinbound surfacing for pedestrian areas - eg. 5mm Adasit in Acorn ex. Adasitrip edged in flexible steel edging ex. Everedge
- Amenity grass
- Meadow grass in drifts within the amenity grass - eg. 5mm Adasit in Acorn ex. Adasitrip edged in flexible steel edging ex. Everedge
- Emorsgate to include the following wildflowers:-
 - Yarrow
 - Greater Knapweed
 - Field scabious
 - Oxeye daisy
 - Salix Burnet
 - Selfheal
 - Meadow buttercup
 - Bladder campion
 - Achillea millefolium
 - Centaura scabiosa
 - Knautia arvensis
 - Leucanthemum vulgare
 - Sanguisorba minor
 - Prunella vulgaris
 - Ranunculus acris
 - Silene vulgaris
- Marginals seed mix to swales - eg. EP1 Pond Edge Mix ex. Emorsgate to include the following wildflowers:-
 - Marsh marigold
 - Common Knapweed
 - Meadowsweet
 - Flag Iris
 - Purple Loosestrife
 - Selfheal
 - Yellow rattle
 - Caltha palustris
 - Centaura nigra
 - Filipendula ulmaria
 - Iris pseudacorus
 - Lythrum salicaria
 - Rhinanthus 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

revision / date / description / drawn
Gloucester House,
399 Silbury Boulevard,
Milton Keynes, MK9 2PL
T 01908 303 701
W www.enplan.net

client
project
Oldlands Farm,
Newlands Road,
Bognor Regis PO22 9FJ
title
Landscape Planting Plan
drawing number
05-991-701
scale
1:500 @ A0
date
1st June 2021
drawn
CJO
checked
RH
revision
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