



PLANTING LANDSCAPE SPECIFICATION

PLANTING:

2.1 All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 3936; Part 1 (1992), Part 2 (1990) and Part 4 (1984) and BS 5236 (1975) where applicable, BS4428 (1989) and the B/L 1 / Nursery Trade Tender Document (5th Edition, 1986). All plants to be supplied in accordance with the plant schedule. Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified.

TREE PLANTING:

3.1 A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate the proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage and services. Where necessary root barriers to be installed (supplier Greenleaf or similar approval), as recommended by structural.

3.2 Allow for the use of container grown stock during the period 1 April to 31 October and field grown stock from 1 November to 31 March.

4.0 TOPSOIL REQUIREMENTS:

4.1 To BS 3882 (2007) as qualified by full contract specification.

4.2 All areas shall be cultivated to a minimum depth of 150mm.

4.3 Full weed, rubbish and stones over 38mm gauge shall be removed.

4.4 Earth to be rolled as required and raked in two directions.

4.5 Applied to all newly planted areas, to manufacturers' recommendations where appropriate:

Structure planting beds: 450mm depth
Heavy standard tree pits: 1500mm dia. x 900mm depth
Grass areas (incl. gardens): 150mm depth

4.6 Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than root ball.

4.7 Break up bottom of pits to a depth of 150mm.

4.8 Compacted glazed sides of pits should be roughened.

Full analysis of existing and imported topsoil required prior to use.

5.0 TOPSOIL IMPROVEMENTS:

5.1 Applied to all newly planted areas, to manufacturers' recommendations where appropriate:

1) Incorporate 75mm depth of soil conditioner into topsoil during cultivation.

2) Incorporate Alignure (Seamure Soilbuilder) Soil Improver approx. 1.5KG/m3 to tree pit backfill and 75g/m2 to shrub beds.

3) Incorporate Enmag (6:20:10) granular fertilizer approx 400g/m3 to tree pit backfill and 100g/m2 to structural / ornamental beds.

4) Watering: supply minimum 54 litres / tree and 4.5 litres / shrub at planting.

5) Mulch: lightly fork over planted areas before applying a 75mm depth 50-100mm grade bark mulch. Ornamental Bark to consist of predominantly matured British Pine Bark with an even nominal particle size distribution of 5-35mm with 0% dust & fines & less than 5% wood content. The product shall be pest, disease & weed free & not have been treated with Methyl Bromide or any additives. The product shall have been tested in accordance with the requirements of BS 4790: 1987, for fire resistance. NB - Watering to be carried out prior to application of bark mulch.

6.0 PLANT MATERIAL TREATMENT: (NB All to be British grown stock and fully hardened off).

6.1 Root Dip - Proprietary Root dip applied to all bare rooted stock (1) at time of lifting at nursery and (2) prior to planting.

6.2 Anti-Dessicant - Proprietary anti-dessicant to be applied to foliage of all containers / root-balled material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any delay in planting.

6.3 Pruning - Allow for pruning of all deciduous trees and shrubs by 1/3rd following planting at Landscape Architects direction or as indicated in the planting schedule.

6.4 Tree Stakes & 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.

6.5 Mulchwood chippings / Reclaimed timber sleepers - Planters should be created with reclaimed railway sleepers, gravel and bark mulch / wood chippings used between beds to suppress weeds and allow for drought resistance planting beds.

7.0 TREE STAKES, TIES & GUARDS:

7.1 Trees planted within grassed areas to be provided with appropriate conical strimmer guards. Stakes to be pressure impregnated softwood, round, peeled, straight, free of projections and pointed at one end. Minimum length and thickness to be determined as follows:

Tree Type: Ex / Heavy Standard
Min diameter: 100mm

Overall Height: 1.8m
Height exposed above ground: 0.6m
Number of Ties: 1

8.0 TURFED AREAS:

8.1 Turf to BS 3969 from an approved source. When topsoil is reasonably dry and workable, grade to smooth, flowing contours removing all minor hollows and ridges.

8.2 Cultivate soil to full depth and break up any compacted topsoil. Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation.

8.3 Apply proprietary fertiliser. Reduce top 25mm topsoil to a fine tilth by further cultivation.

8.4 Remove stones exceeding 50mm in any dimension. Lay turf with broken joints. Well butted up, working from planks laid on previously laid turves, during appropriate season and weather conditions. Adjust levels by raking out or filling with fine soil under turves.

8.5 Consolidate by lightly and evenly firming with wooden beaters as laying proceeds. Do not use rollers. Dress turf with fine topsoil and brush in to fill joints.

8.6 Thoroughly water completed turf within 24 hours of laying.

9.0 TURFED AND SEEDED AREAS: ESTABLISHMENT CUT:

9.1 Water all grass areas to maintain healthy growth. When grass is 50mm high remove debris, litter and any stones later in dry conditions cut grass to between 25-30mm, remove and dispose of

10.0 PROTECTIVE FENCING:

10.1 The contractor shall maintain fencing until all site works are completed. The contractor will then remove the fencing and reinstate the ground. The fencing will remain the property of the contractor.

10.2 Within the area so fenced, the existing ground level shall be neither raised nor lowered; all excavations shall then be carried out by hand.

10.3 The Local Planning Authority shall be advised in writing when the protective fencing has been erected so that it can be checked on site before development commences, and shall thereafter be maintained during the period of construction.

11.0 LANDSCAPE MANAGEMENT PLAN & MAINTENANCE:

11.1 Regular visits (minimum 8 No.) required during the defects liability period 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 landscape sub-contractor. Maintenance to include weeding, pruning, pest and disease control and re-mulching as required. Grass areas to be mowed at 2 week intervals during the growing season.

11.2 Structure planting areas shall be maintained as 'bare earth' non competitive weed free environment by repeated applications of a glyphosate based herbicide. Persistent weeds and unwanted scrub shall be spot treated as necessary with an alternative herbicide to be agreed with the landscape sub-contractor.

11.3 Watering shall be carried out as necessary to maintain healthy growth or as required by the landscape sub-contractor.

11.4 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 planted areas.

12.0 SAFETY PRECAUTIONS:

12.1 The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and Management Regulations.

13.0 HAND DIG EXCAVATION WITHIN RPZ:

Hand Dig Method of Excavation within the Root Protection Area of the Tree or Trees for construction of hard landscaping elements.

Where installation of paving, drainage or other hard landscaping elements needs to be undertaken within the root protection zone of the trees, a hand dig method of excavation will be undertaken in accordance with BS 5837:2012. Trees in relation to design, demolition, and construction - recommendations" to ensure the long-term protection of the trees and groups of trees retained at this site.

Landscaping Re-instatement within the Root Protection Area

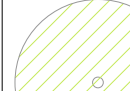
Where re-instatement needs to be undertaken within the root protection area of the trees retained care should be undertaken to avoid damage to the trees root system. The following equipment being prohibited within the root protection area; rotavator, roller, mini diggers etc. with only hand tools allowed.

Trees Removed	19
Trees Proposed	26

Legend:



- Proposed New Trees



- Existing Tree / Hedge to be retained



- Tree Protection Fencing (specification to CBA Arboricultural Method Statement).



- Root Protection Zone (RPZ)



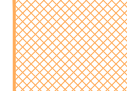
- Tree to be removed



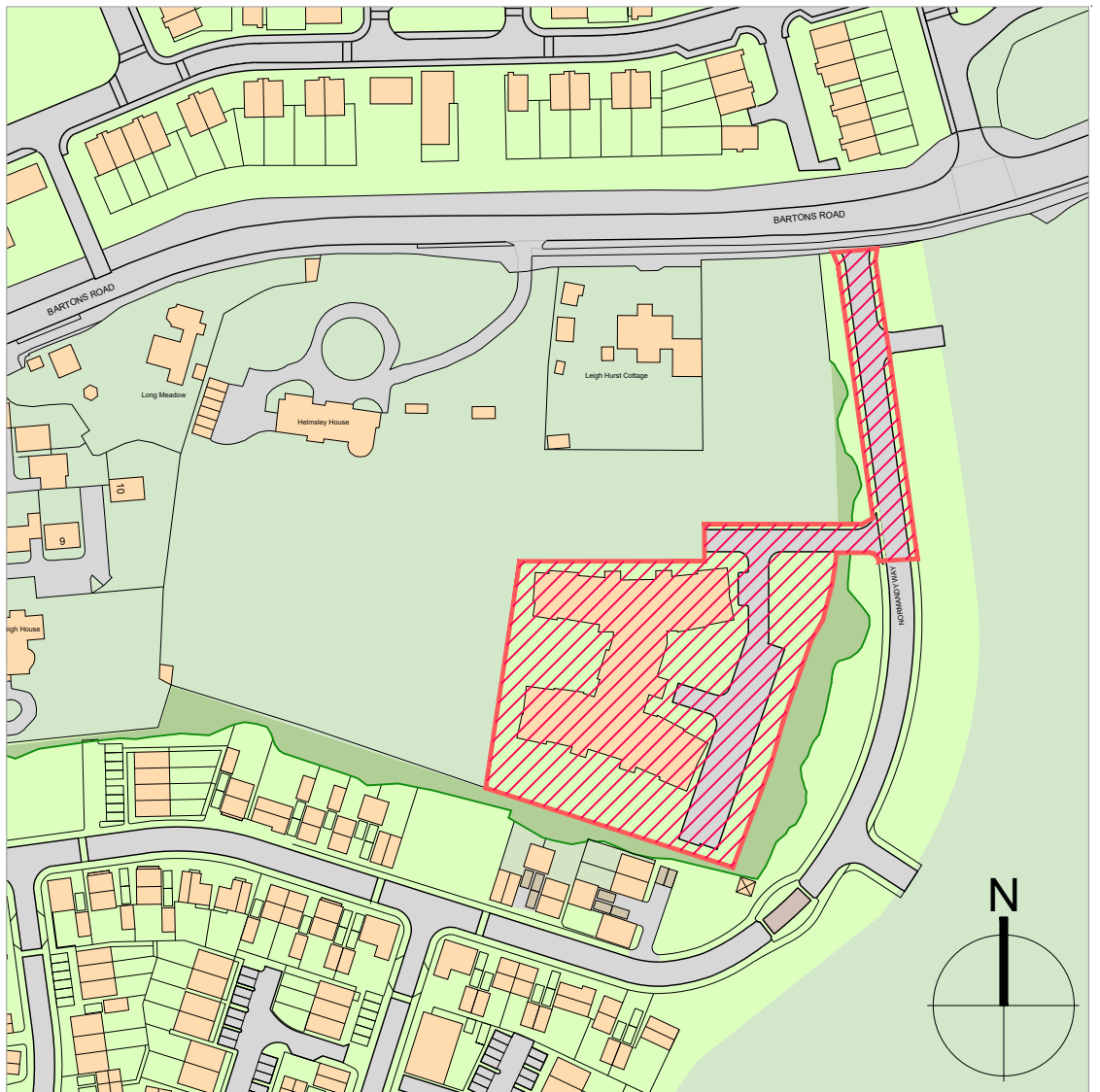
- Support Handrail to prevent falling.



- Existing ground vegetation



- Area of hard landscaping in RPZ zone, hand dig excavation methods required as noted in 13.0



SITE LOCATION PLAN 1:2000@A1

PLANTING

All shrubs 2-3 litres unless stated otherwise, 4nr per sqm, bark mulch to a depth of 50mm on completion. Allow for infill hedges to match existing where indicated.

Tree species (T)

(T1)	Betula pendula (Silver birch)	Type (P) -	Helicodictyon sempervirens
(T2)	Prunus avium (Sweet cherry)		Echinacea purpurea 'Rubinstein'
(T3)	Tilia cordata (Small-leaved lime)		Monarda campanulata
(T4)	Acer campestre (Field maple)		iris sibirica
(T5)	Sorbus torminalis (Wild service tree)		Salvia officinalis 'Purpurascens'
(T6)	Taxus baccata (English Yew)		Syringa vulgaris
(T7)	Quercus robur (Common Oak)		Lavender
(T8)	Carpinus betulus (Hornbeam)		Rosemary
(T9)		Type (Q) -	Dryopteris affinis
			Carex 'Bronze Reflector'
			Carex siderosticha 'Variegata'
			Carex 'Silver Sceptre'
			Stachys byzantina
			Stipa gigantea
			Thymus 'Fragrantissima'
			Dryopteris filix mas
			Athyrium filix femina
			Drosera dilatata

PLANTING BED TYPE

Type (A) -	Taxus (Irish Yew)	Type (R) -	Hydrangea serrata 'Bluebird'
Type (B) -	Taxus (Blue John)		Acanthus mollis
Type (C) -	Amelanchier lemarckii		Aster latifolius
Type (D) -	Corylus avellana		Chrysanthemum
Type (E) -	Crataegus monogyna (naive)		Geranium 'Patricia'
Type (F) -	Mahonia japonica		Lavandula angustifolia
Type (G) -	Ceanothus thyrsiflorus Repens		Campanula
Type (H) -	Euonymus europaeus (spindle)		Comfrey
Type (I) -	Sambucus black lace		Delphinium
Type (J) -	Skimmia japonica (male only flowers)		Foxglove
Type (K) -	Abelia chinensis Bee bush	Type (S) -	Allium giganteum
Type (L) -	Viburnum opulus - large shrub		Pentstemon seedatum 'Fireworks'
Type (M) -	Syringa vulgaris		Veronicastrum virginicum 'Ascension'
Type (N) -	Daphne transatlantica		Veronicastrum virginicum 'Album'
Type (O) -	Viburnum lantana - large shrub		Echinacea purpurea 'White Swan'
			Erigeron annuus Blue Star
			Actaea pauciflora
		Type (AL) -	Amenity Turf Lawn

GENERAL PURPOSE MEADOW MIXTURE - (MM)

Wild Flowers	%	Latin name - Common name	%	Latin name - Common name
	2.5	Centauria nigra - Common Knapweed	8	Agrostis capillaris - Common Bent
	3	Daucus carota - Wild Carrot	28	Anthoxanthum odoratum - Sweet Vernal-grass (w)
	2	Galium verum - Lady's Bedstraw	24	Brachypodium pinnatifidum - False Brome (w)
	2	Leucanthemum vulgare - Oxeye Daisy	4	Cynodon dactylon - Crested Dogtail
	2.5	Malva moschata - Musk Mallow	16	Tufted Hair-grass (w)
	1	Plantago lanceolata - Ribwort Plantain	80	Festuca rubra - Slender-creeping Red-fescue
	1	Potentilla sanguisorba - (Sanguisorba minor)		Poa nemoralis - Slender-stalked Meadow-grass
	0.3	Prunella vulgaris - Selfheal		
	1.2	Rumex acetosa - Common Sorrel		
	2	Silene dioica - Red Campion		
	20	Total		

GENERAL PURPOSE WOODLAND MIX - (WM)

Grasses	%	Latin name - Common name	%	Latin name - Common name
	12.5	Agrostis capillaris - Common Bent	8	Agrostis capillaris - Common Bent
	2.5	Anthoxanthum odoratum - Sweet Vernal-grass (w)	28	Anthoxanthum odoratum - Sweet Vernal-grass (w)
	8.75	Brachypodium pinnatifidum - False Brome (w)	24	Cynodon dactylon - Crested Dogtail
	25	Cynodon dactylon - Crested Dogtail	4	Tufted Hair-grass (w)
	1.25	Deschampsia cespitosa - Slender-creeping Red-fescue	16	Festuca rubra - Slender-stalked Meadow-grass
	35	Festuca rubra - Slender-creeping Red-fescue	80	Poa nemoralis - Slender-stalked Meadow-grass
	15	Poa nemoralis - Slender-stalked Meadow-grass		
	100	Total		

Sowing Rates	kg/ha	kg/acre	g/m2
	60	20	5

Bulbs and Ferns: Woodland mix augmented by plug plants and bulbs as listed:

Bluebells, winter aconite, tussock sedge, wood sedge, wood rush, sweet woodruff, snowdrops pulmonaria, hellebores.

Also include native ferns and small shrubs mahonia japonica and daphne.

0 1m 5m 10m 20m

Scale 1:200@A1

Revision	
A	16-07-2020 LG ISSUED - Draft Planning
B	16-07-2020 LG Retaining wall annotation added
C	10-08-2020 LG Material alteration to communal garden path
D	17-08-2020 JW PLANNING ISSUE
E	26-08-2020 JW PLANNING ISSUE: Application Boundary Updated.
F	13-10-2020 AB PLANNING ISSUE: Tree numbers and species updated.
G	22-10-2020 JW PLANNING ISSUE: Tree Protection Fencing added. Raised crossing updated. Disabled parking updated.
H	20-01-2021 LG In response to planning officer's comments: Inclusion of support handrail to prevent falling, areas of hard landscaping noted in orange, 18 and 19 amended to common oak and hornbeam respectively.

project name: HELMSLEY HOUSE, BARTONS ROAD, HAVANT

drawing reference: 64 BED RESIDENTIAL CARE HOME

sheet: PROPOSED LANDSCAPE PLAN

job number: M9437

status:

cad ref:

date: JAN 2021

scale: 1:200@A1

revision: H

drawing number: APL005

PLANNING

drawn: AB

checked: JW

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