

PLANT SCHEDULE

Species	Girth	Height	Specification	Number of Plants
<i>Castanea sativa</i>	14-16cm	4.0-4.5m	Rootball	1 No.
<i>Liquidambar styraciflua</i>	14-16cm	4.0-4.5m	Rootball	2 No.
<i>Malus 'John Downie'</i>	14-16cm	4.0-4.5m	Rootball	5 No.

Native Hedges	Species	Height	Specification	Density	Number of Plants
<i>Ligustrum vulgare</i>	60-80cm	100cm	10L CG feathered hedge stock	0.5C/m	Double Staggered at 0.25m offset
<i>265 No. Ligustrum vulgare</i>					

Clipped Hedges	Species	Specification	Density	Number of Plants
<i>Carp. betu</i>		80-100cm ht. 10L CG feathered hedge stock	0.5C/m	Double Staggered at 0.25m offset
<i>39 No. Carp. betu</i>				

Shrubs	Species	Height	Diameter	Pot Size	Density	Number of Plants
Buxus semp	Buxus sempervirens	20-30cm	2L	0.25C	47 No.	
Chol. tem.	Choisya ternata	30-40cm	3L	1/2m	8 No.	
Euon. fort 'S.Q.'	Euonymus fortunei 'Silver Queen'	30-40cm	10L	0.33C	5 No.	
Fats. japo.	Fatsia japonica	30-40cm	3L	3/2m	3 No.	
Hebe 'N.B.'	Hebe 'Nicola's Blush'	40-60cm	5-7.5L	4/2m	8 No.	
Hede. GR	Hedera helix 'Green Ripple'	40-60cm	3L	1/2m	73 No.	
Hydr. 'MME Mouillier'	Hydrangea macrophylla 'Mme Emile Mouilliere'	40-60cm	5L	3/2m	19 No.	
Hydr. 'Hidcole'	Hydrangea macrophylla 'Hidcole'	40-60cm	10L	2/2m	39 No.	
Lava. anou 'Hidcole'	Levandula angustifolia 'Hidcole'	30-40cm	5-7.5L	0.33C	10 No.	
Pach. tem.	Pachysandra terminalis	30-40cm	15-20cm	3L	7/2m	68 No.
Phot. fras 'R.R.'	Photinia fraseri 'Red Robin'	80-100cm	10L	1C/m	26 No.	
Phot. fras 'Red Robin'	Photinia x fraseri 'Red Robin'	80-100cm	10L	1C/m	45 No.	
Prunus 'O.L.'	Prunus laurocerasus 'Otto Luyken'	40-60cm	3L	3/2m	56 No.	
Prun. lusit.	Prunus lusitanica	125-150cm	15L	1C/m	74 No.	
Rosa 'Bonica'	Rosa 'Bonica'	40-60cm	5L	3/2m	34 No.	
Skim. 'Rubella'	Skimmia japonica 'Rubella'	30-40cm	3L	4/2m	84 No.	
Spir. japo 'L.P.'	Spiraea japonica 'Little Princess'	30-40cm	3L	4/2m	15 No.	
Vibu. davi	Viburnum davidii	80-100cm	3L	3/2m	27 No.	
Vibu. tinu 'Eve Price'	Viburnum tinus 'Eve Price'	80-100cm	3L	3/2m	43 No.	
Vibu. tinu 'Eve Price'	Viburnum tinus 'Eve Price'	80-100cm	10L	1C/m	26 No.	
Vinc. maio	Vinca major	80-100cm	3L	3/2m	251 No.	
Vinc. mino 'GJ'	Vinca minor 'Gertrude Jekyll'	80-100cm	3L	0.4C/m	79 No.	

Herbaceous	Species	Pot Size	Density	Number of Plants
<i>Liri. musc.</i>	<i>Liriodendron musc.</i>	3L	0.2C/m	63 No.

NOTES:

- *Pachysandra* to be used as underplanting around *Hydrangeas* and *Roses* where shown.
- Plant 10L *Viburnum* and *Photinia* mix in odd numbered groups of minimum 3 plants.

SPECIFICATION NOTES

- General.**
 - This plan to be read in conjunction with the following documents:
 - Supporting statement by terra firma
 - Arboricultural report by Barrel Tree Consultancy

2. General landscaping.

- Existing levels to be preserved around retained existing trees and vegetation. Existing trees and vegetation to be retained are to be protected in accordance with BS5837: 2012 during construction.
- All landscape works to be undertaken by competent persons, with appropriate training and equipment.
- All arisings to be removed from site at contractor's expense unless noted otherwise. (e.g. woodchip, gravel, topsoil).

3. Services.

The contractor must ascertain for himself/herself the exact location of underground services before commencing work.

4. Soil Materials Generally.

- Purity: Soils shall be free from roots, stolons, rhizomes, propagules of perennial or invasive weeds couch grass, bindweed, docks, Japanese knotweed, giant hogweed and horsetail/marestail (*Equisetum arvense*).
- Foreign matter: On visual inspection, free from non-soil material, brick and other building materials and wastes, sharps, hydrocarbons, and any other foreign matter or material or substance that would render the soil or soil ameliorant unsuitable for use.
- Contamination: Do not use topsoil, subsoil, sand or compost contaminated with rubbish or other materials that are:
 - Corrosive, explosive or flammable;
 - Hazardous to human or animal life;
 - Detrimental to healthy plant growth;
- Give notice: If any evidence or symptoms of soil contamination are discovered on the site or in topsoil, subsoil, sand or compost or other planting media to be used.

5. Soil testing

Each soil source (imported and site-won subsoil and topsoil - see items 6-9 below) shall be analysed by Tim O'Hare Associates, Howbery Park, Wallingford, Oxon OX10 8BA, Tel: 01491 622653, Email: info@toha.co.uk, www.toha.co.uk (or equivalent approved).

6. Subsoil for general planting areas (sample of site-won and/or imported subsoil to be sent for testing to check compliance with parameters below)

Provide subsoil as necessary to make up deficiency on site. Natural or manufactured subsoil (from approved source) will be acceptable (within parameters given below). Subsoil to be tested to determine suitability for proposed use, test report to be submitted for approval and to enable amelioration recommendations. Subsoil should be free from commonly tested contaminants, including asbestos. Subsoil parameters to be within the following:

Parameter	Unit	Lower Limit	Upper Limit
Clay (<0.002mm)	%	5	35
Silt (0.002-0.05mm)	%	0	35
Sand (0.05-2.0mm)			
Of which at least 40% shall fall into fine to medium sand range	%	50	90
Stones (2-50mm)	%DW--	50	50
Stones (>50mm)	%DW--	0	0
pH Value	Unit	5.5	8.5
Electrical Conductivity (1:2.5 water extract)	µS/cm	--	1500
Electrical Conductivity (CaSO4 extract)	µS/cm	--	2800
Exchangeable Sodium Percentage	%	--	15
Organic Matter	%	--	1.5

7. Subsoil for tree pits (sample of site-won and/or imported subsoil to be sent for testing to check compliance with parameters below)

Provide subsoil as necessary to make up deficiency on site. Natural or manufactured subsoil (from approved source) will be acceptable (within parameters given below). Subsoil to be tested to determine suitability for proposed use, test report to be submitted for approval and to enable amelioration recommendations. Subsoil should be free from commonly tested contaminants, including asbestos. Subsoil parameters to be within the following:

Parameter	Unit	Lower Limit	Upper Limit
Clay (<0.002mm)	%	5	18
Silt (0.002-0.05mm)	%	0	25
Sand (0.05-2.0mm)			
Of which at least 40% shall fall into fine to medium sand range	%	60	90
Stones (2-50mm)	%DW--	50	50
Stones (>50mm)	%DW--	0	0
pH Value	Unit	5.5	8.5
Electrical Conductivity (1:2.5 water extract)	µS/cm	--	1500
Electrical Conductivity (CaSO4 extract)	µS/cm	--	2800
Exchangeable Sodium Percentage	%	--	15
Organic Matter	%	--	1.5

8. Topsoil for general landscapes (sample of site-won and/or imported topsoil to be sent for testing to check compliance with parameters below and to inform any necessary amelioration - see 9. below)

Existing topsoil to be stripped and re-used, provided soil is within parameters given below when analysed. Imported topsoil to be good quality sandy loam or manufactured topsoil (from approved source, meeting parameters given below). Topsoil (site-won or imported) is to be tested to determine suitability for proposed use and should be free from commonly tested contaminants, including asbestos. Test report to be submitted to Landscape Architect for approval and to enable amelioration recommendations to be made:

Parameter	Unit	Lower Limit	Upper Limit
Clay (<0.002mm)	%	5	18
Silt (0.002-0.05mm)	%	0	35
Sand (0.05-2.0mm)			
Of which at least 40% shall fall into fine to medium sand range	%	50	85
Stones (2-20mm)	% dry wt.	020	020
Stones (20-50mm)	% dry wt.	015	015
Stones (>50mm)	% dry wt.	0	0
pH Value	Unit	5.5	8.5
Electrical Conductivity (1:2.5 water extract)	µS/cm	--	1500
Electrical Conductivity (CaSO4 extract)	µS/cm	--	2800
Exchangeable Sodium Percentage	%	4.0	8.0
Organic Matter	%	0.15	--
Total Nitrogen	%	--	20.1
Carbon: Nitrogen Ratio	--	--	20.1
Extractable Phosphorus	mg/l	28	100
Extractable Potassium	mg/l	240	1200
Extractable Magnesium	mg/l	50	600

9. Ameliorant: fertilizer and compost (contractor is responsible for submitting a sample of imported or site-won topsoil to inform requirements)

Topsoil amelioration to be determined by analysis. Once amelioration requirements ascertained as required, approved (peat free) composts to PAS100 and/or fertilizers to be incorporated during cultivation at required rate to full depth of growing medium.

10. Soil handling and depths.

- Topsoil and subsoil to be handled (i.e. excavated and/or imported, stored, spread, cultivated) in accordance with method agreed in writing by Landscape Architect prior to work commencing. All topsoil and subsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorants as required. If compaction is suspected in sub-grade, subsoil or topsoil surfaces, these should be ripped as necessary to decompact and ensure adequate drainage.
- Hand cultivations shall be carried out to achieve the required finish on areas where machine cultivation is impossible ie adjacent to kerbs, manholes and footpath junctions, around retained trees etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Topsoil and subsoil is to be stored in heaps, maximum of 2m in height, providing soil is reasonably dry and friable during stripping and handling - using a tracked excavator. To protect from wet weather once final height is achieved, an excavator should grade the sides and top of stockpile to firm surface by tracking across it to form a smooth gradient.
- Final topsoil depth (allowing for settlement) to be 300mm for tree pits and general planting areas and 150mm for grass. Finished soil levels to be 25mm above/below adjoining paving or kerbs; not less than 150mm below dpc of adjoining buildings; shrub areas to be below any adjoining grass areas by 25 mm.

12. Plant handling and establishment.

Plant handling to be in accordance with 'Handling and establishing landscape plants', published by the CPSE through the JCL: (http://www.gophelics.co.uk/msh/handling_establishment.aspx). The contractor shall comply with Part 3: Recommendations for plant handling from delivery to site to ensure successful establishment.

13. General planting notes.

Details for tree, hedge and general planting to be finalised once final site conditions are known (i.e. compaction and permeability of ground). General plant stock to conform to BS 3936, advanced nursery stock to BS 8545, and planting to BS 4428. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged. All planting operations to be in general compliance with BS4428: 'Code of Practice for general landscape operations'.

Only carry out all planting while soil and weather conditions are suitable:

- Do not plant during periods of frost or strong winds. Plant only during the following periods
- Exciduous and conifer trees: Late October to late March (rootball and bare root)
- Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering is provided

Setting out of planting beds to be approved by Landscape Architect before work commences. Ensure that plant beds are neatly defined, and rise from adjacent paved areas as specified above. All tree pits, tree circles in lawn and planting beds are to be mulched with approved bark mulch to 75mm depth after planting.

14. Tree planting

Any proposed substitutions of species shown on plan to be approved by landscape architect prior to planting. Details for tree planting to comply with BS8545. As a guide all trees to be planted in square pits with base undisturbed unless drainage / compaction problems known. Plant at a depth where the root flare is clearly visible at the soil surface. Where trees have been supplied with the root flare too deep excess soil or fibrous root growth should be removed before planting. All trees to have 'Piddler' tree irrigation/eration system installed as supplied by Platipus 01737 762300 www.platipus-anchors.com or approved equivalent. Water-in heavily after planting and mulch surface, ensuring mulch is not in contact with trunk of tree. Tree support to comply with BS 8545: Trees to have double stake and bridge with adjustable tie. All stakes/braces to be stained black. Any necessary remedial tree works are to be carried out by an approved arborist to BS 3988: Trees planted within grass areas to be set in mulched earth circles, 1m diameter around tree trunk, with turf trimmed neatly to form circle.

i. Trees up to 20cm girth.

Depth of tree pits to be the same as the rootball and with overall width to be 150mm wider than the diameter of the rootball (75mm min. from rootball edge to tree pit side). For trees of 14-16cm girth pits should be approximately 750mm x 750mm wide x 600mm deep. Pits to be backfilled with 300mm depth of specified topsoil over subsoil as per spec.

Topographical survey information - dwg. no. 94857.0001 by Kings Land Surveyors Ltd. dated April 2012

Existing buildings to be retained

Proposed buildings

Existing trees and vegetation to be retained - based on dwg. no. 13201-BT4 by Barrell Tree Consultancy

Existing trees and vegetation to be retained - based on dwg. no. 13201-BT4 by Barrell Tree Consultancy, or already removed

Proposed tree

Proposed hedge

Proposed shrub and groundcover planting

Proposed grass

All hard materials to be as specified by P.G.P. Architects and shown on this plan for clarity only

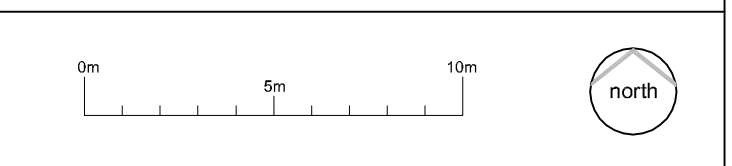
Proposed porous gravel surface - 'no dig' construction around existing tree roots

Proposed gravel footpath and maintenance strip

Proposed vehicular spec bitmac - existing surfaces refinished to match new

Proposed York Stone paving

Proposed black chain link fence, 1.8m ht. with concrete posts, to northern boundary



rev.	date	by	chk	notes
05	17.08.15	TJ	UF	Landscape scheme updated to suit revised Plot 01.
04	11.05.15	WJ	UF	Landscape scheme updated to suit revised site layout.
03	19.12.14	PS	UF	Landscape scheme updated to suit revised site layout; additional tree removed.
02	07.11.14	TJ	UF	Landscape scheme updated to suit revised site layout.
01	12.03.14	TJ	-	1 No. Malus relocated at request of LPA Landscape Officer.

drawing notes	© Copyright reserved Do not scale from this drawing Figure dimensions only to be taken from this drawing All dimensions to be checked on site			
purpose of issue	PLANNING			
project	Solent View Lodges, Bedhampton Hill			
drawing title	Soft Landscape Proposals			
drawing no.	1579-3001			05
scale	1:200 @ A1	date	28.01.14	drawn by TJ checked by RB