

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 during construction. All landscape works to be undertaken by competent persons, with appropriate training and equipment.

Services

The contractor must ascertain for themselves the exact location of underground services before commencing work.

Topsoil

Topsoil 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. Amelioration to be as determined by analysis. If poor drainage is suspected in existing soil surfaces, these should be broken up prior to planting, turfing and seeding to a depth of 300mm to remove likelihood of compaction and damage to new planting and turf. Where topsoil is to be imported, soil medium parameters to be within the following:

Soil texture:	sand 20-75%
	silt 5-60%
	clay 5-30%
Maximum stone size in any direction:	50mm
pH:	5.5 - 7.8
Electrical conductivity:	100-900 uS/cm
Organic matter:	> 4%
Nitrogen:	> 0.2%
Phosphorus:	> 26 mg/l
Potassium:	> 240 mg/l
Magnesium:	>60 mg/l

Imported topsoil to be a good quality loam to BS 3882 or manufactured topsoil. All topsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorants as specified and/or as indicated by analysis and in accordance with BS 3882. 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 etc. Surplus plant material, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Existing topsoil to be stripped and re-used if suitable as per specification. Topsoil is to be stored in heaps, maximum of 4m 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 regrade the sides and top of stockpile to firm surface by tracking across it to form a smooth gradient.

Fertilizer/Compost

Approved (peat free) composts to PAS100 and fertilizers to be added during cultivation as required to full depth of growing medium.

Plant Handling

Plant handling at the nursery, and during transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association, 19 High Street, Theale, Reading, Berks RG7 6H) which refers to the receipt, unloading and temporary storage of plants. General plant stock to conform to BS 3936, advanced nursery stock to BS 5236, and unloading 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 (refer to relevant sections of BS3936 Parts 1-4 'Specification of Nursery Stock'). All planting operations to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'. 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
- Deciduous and conifer trees: Late October to late March
- Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided
- Bulbs: September/October

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. All ornamental planting areas to be mulched with 75mm (settled depth) bark mulch. Sample of mulch to be approved by Landscape Architect. Topsoil depth to be 300mm for planting and 150mm for grass.

Trees

Trees shown on plan to be planted with species as labelled or similar approved. All trees to be planted in pits 1m x 1m x 0.9m deep backfilled with 500mm depth 80% clean topsoil and 20% approved green compost to PAS100 and 100 gms granular fertilizer, over 400mm washed medium coarse grade sand bed to base of pit. Water-in heavily after planting and surface mulched 75mm depth. Unless noted above as requiring underground guying, all trees to be double staked and tied and multi stems diagonal single stake. Sample of staking for each species to be approved. Tree stakes to be stained black. Any necessary tree works are to be carried out by an approved tree surgeon to BS 3998. Trees planted in grass lawn to be set in bare earth circles, 1m diameter around tree trunk, with turf trimmed neatly to form circle, and earth mulched with approved bark mulch to 75mm depth after planting.

Shrub Herbaceous & Ground Cover Planting

All plants to be planted in cultivated planting beds at densities shown in plant schedule, in pits of min. size 0.3m x 0.3m x 0.3m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% approved green compost to PAS100 and 20 gms granular fertilizer. All shrub beds to be in min. 300mm good quality, well prepared topsoil and to be mulched with 75mm depth approved bark mulch after planting.

Climbers

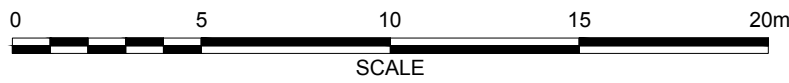
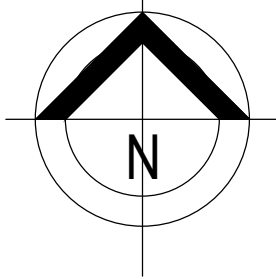
All climbers to be planted in pit of min. size 0.4m x 0.4m x 0.4m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% approved green compost to PAS100 and 20 gms granular fertilizer. Cut semicircular bed against fence of 0.5m radius and mulch with 75mm depth approved bark mulch after planting. All plants to be planted with trellis/cane supports in situ and trained to adjacent wall or fence with steel wires provided where climbers in 3 horizontal rows.

Grass/Turf

Turfing and seeding shall be carried out only during appropriate seasons and while soil and weather conditions are suitable for the relevant operations. Only machinery and tools suitable for the site conditions and the work to be carried out shall be used. Hand tools shall be used around trees, plants and in confined spaces where it is impractical to use machinery. The soil shall be weed free prior to turfing and seeding. Contact herbicide as specified should be applied to all areas of weed growth 4-6 weeks before grassing and repeated if necessary to maintain a weed free bed. Where deep rooted weeds are present (dock, thistles etc.) approved Glyphosate-based herbicide should be applied as a spot treatment. Turf shall be laid on prepared, levelled soil (minimum 150mm depth) in the areas indicated on the drawings in accordance with BS 4428:1989. All grass areas to be approved landscape quality turf for external areas and lawn turf for internal garden areas, or equivalent seed.

Maintenance

Establishment maintenance for all planting for 5 years from Practical Completion (first year to be carried out by installing contractor) to include weed control, watering and replacement of failures to original specification in the planting season following failure. All plant material to receive annual pruning and hedges and groundcover to be trained and edged with minimum 2 trims per year. All plant material to receive annual pruning and groundcover to be trained and edged with minimum 2 trims per year. Mowing is to be carried out using approved machinery to maintain the vegetation length within the limits of 30 mm and 50 mm during April to August inclusive and between 50 mm and 70 mm during the rest of the year.

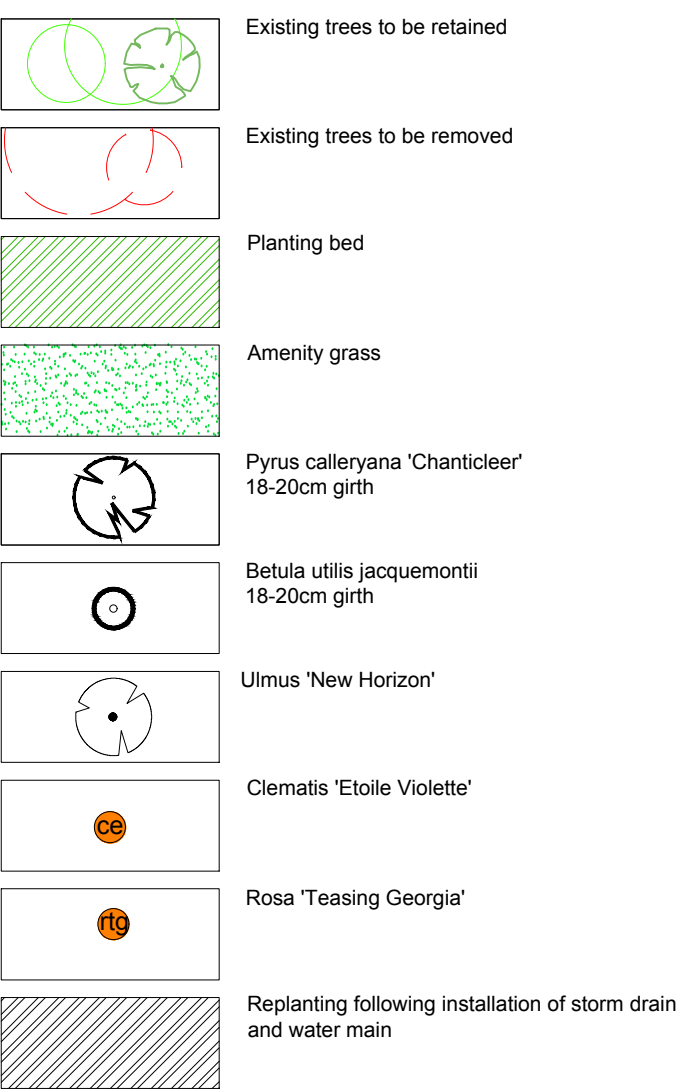


Stock	Quantity	Item	Size	Height (cm)	Notes	Density	m2
Trees	2	Betula utilis 'jacquemontii'	18-20 Girth	450+	3x standard (extra-heavy) clear stem 200+	RB	Counted
	6	Pyrus x calleryana 'Chanticleer'	18-20 Girth	450+	3x standard (extra-heavy) clear stem 200+	RB	Counted
	3	Ulmus 'New Horizon'	18-20 Girth	450+	3x standard (extra-heavy) clear stem 200+	RB	Counted
	11						
Shrubs	13	Aucuba japonica 'Crotonifolia'	2L	20-30	Bushy, min. 3 break	C	3m2
	13	Aucuba japonica 'Crotonifolia'	10L			C	3m2
	9	Ceanothus 'Blue Mound'	2L	20-30	Bushy, min. 4 breaks	C	3m2
	7	Ceanothus 'Gloire de Versailles'	2L	20-30	Leader with 3 laterals	C	3m2
	5	Ceanothus impressus	2L	20-30	Bushy, min. 4 breaks	C	3m2
	9	Chaenomeles japonica	2L	20-30	Bushy, min. 2 breaks	C	3m2
	5	Choisya 'Aztec Pearl'	2L	20-30	Bushy, min. 5 break	C	3m2
	10	Choisya ternata	2L	20-30	Bushy, min. 5 breaks	C	3m2
	8	Cistus x pulverulentus 'Sunset'	2L	15-20	Bushy, min. 4 breaks	C	3m2
	7	Cistus 'Silver Pink'	2L	20-30		C	3m2
	5	Cotinus coggagria 'Royal Purple'	3L	30-40	Branched, min. 3 breaks	C	3m2
	7	Deutzia x magnifica 'Staphyleoides'	2L	30-40	Branched min. 3 breaks	C	3m2
	3	Deutzia x rosa	2L	30-40	Branched min. 3 breaks	C	3m2
	24	Elaeagnus x ebbingei	2L	30-40	Branched, min. 3 break	C	3m2
	7	Escallonia 'Apple Blossom'	2L	30-40	Branched min. 3 breaks	C	3m2
	11	Escallonia 'Donard Seeding'	2L	30-40	Branched min. 3 breaks	C	3m2
	14	Eucynurus fortunei 'Silver Queen'	2L	20-30	Bushy, min. 5 breaks	C	3m2
	9	Hebe 'E. A. Bowles'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	5	Hebe x franciscana 'Blue Gem'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	13	Hydrangea arborescens 'Grandiflora'	2L	30-40	Branched min. 3 breaks	C	3m2
	23	Hydrangea quercifolia 'Snowflake'	2L	30-40	Branched min. 3 breaks	C	3m2
	11	Hypericum calycinum	2L	20-30	Bushy, min. 5 breaks	C	3m2
	5	Eucynurus Japonicus	3L	20-30	bushy, min. 3 breaks	C	3m2
	9	Ilex aquifolium 'J.C. Van Tol'	3L	40-60	Leader with laterals	C	3m2
	19	Lavandula angustifolia 'Hidcote'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	15	Lavandula 'Grappenhall'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	9	Lonicera pileata	10L			C	3m2
	16	Mahonia aquifolium 'Apollo'	2L	30-40	Branched min. 3 breaks	C	3m2
	30	Osmanthus burkwoodii	3L	30-40		C	3m2
	10	Osmanthus heterophyllus 'Aureomarginatus'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	11	Philadelphus coronarius 'Aureus'	2L	20-30	Branched, min. 3 break	C	3m2
	14	Philadelphus 'Lemoinei'	2L	30-40	Branched, min. 3 breaks	C	3m2
	7	Pyracantha coccinea	2L	20-30	Leader with laterals, min. 3 breaks	C	3m2
	7	Pyracantha coccinea	10L			C	3m2
	7	Pyracantha 'Orange Glow'	2L	40-60	Leader with 3 laterals, min. 2 breaks	C	3m2
	10	Rosmarinus officinalis 'Miss Jessop's Upright'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	16	Sarcococca confusa	2L	20-30	Bushy, min. 4 breaks	C	3m2
	16	Skimmia x confusa 'Kew Green'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	13	Skimmia japonica 'Fructo-albo'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	7	Viburnum x bodnantense 'Dawn'	2L	20-30	Branched, min 3 breaks	C	3m2
	7	Viburnum davidii	2L	20-30	Bushy, min. 2 breaks	C	3m2
	41	Viburnum tinus 'Eve Price'	2L	20-30	Bushy, min. 3 breaks	C	3m2
	18	Viburnum plicatum	2L	20-30	Bushy, min. 3 breaks	C	3m2
	5	Weigela 'Bristol Ruby'	2L	30-40	Bushy, min. 3 breaks	C	3m2
	5	Weigela florida 'Variegata'	2L	30-40	Branched, min. 3 breaks	C	3m2
	506						
Ground Cover	7	Cotoneaster dammeri	1L			C	3m2
	15	Eucynurus fortunei 'Emerald Gaiety'	1L			C	3m2
	7	Eucynurus fortunei 'Emerald Gaiety'	10L			C	3m2
	9	Eucynurus fortunei 'Emerald 'n' Gold'	1L			C	3m2
	9	Hebe rakaiensis	1L			C	3m2
	9	Hedera helix 'Buttercup'	1L			C	3m2
	9	Hedera helix 'Glacier'	1L			C	3m2
	16	Hedera helix 'Gold Child'	1L			C	3m2
	11	Hedera helix 'Green Ripple'	1L			C	3m2
	18	Hedera helix 'Manda's Crested'	1L			C	3m2
	9	Lonicera pileata	1L			C	3m2
	29	Pachysandra terminalis	1L			C	3m2
	20	Vnca minor 'Gertrude Jekyll'	1L			C	5m2
	168						
Herbaceous	5	Acanthus spinosus	2L			C	3m2
	12	Achillea 'Terracotta'	2L			C	3m2
	10	Agapanthus 'Headbourne Hybrids'	2L			C	3m2
	23	Achemilla mollis	2L			C	3m2
	5	Anemone x hybrida 'Honorie Jobert'	2L			C	3m2
	7	Athyrium filix-femina	2L			C	3m2
	7	Athyrium 'Silberlicht'	10L			C	3m2
	15	Caryopteris x clandonensis 'Arthur Simmonds'	2L			C	3m2
	20	Epimedium versicolor 'Sulphureum'	2L			C	3m2
	7	Euphorbia amygdaloides 'Purpurea'	2L			C	3m2
	17	Euphorbia characias wulfenii	2L			C	3m2
	18	Geranium 'Johnson's Blue'	2L			C	3m2
	17	Geranium macrorrhizum 'Album'	2L			C	3m2
	7	Geranium macrorrhizum 'Album'	10L			C	3m2
	14	Geranium renardii	2L			C	3m2
	7	Helenium 'Moerheim Beauty'	2L			C	3m2
	7	Helleborus orientalis	2L			C	3m2
	5	Hemerocallis 'Corky'	2L			C	3m2
	9	Heuchera micrantha 'Palace Purple'	2L			C	3m2
	9	Liriope muscari	2L			C	3m2
Climbers	2	Clematis 'Etoile Violette'	2L	60-80	Several shoots, 2 breaks, cane supports	C	Counted
	2	Rosa 'Teasing Georgia'	2L	60-80	Several shoots, 2 breaks	C	Counted
	4						
Turf	329m2	Supply and install good quality amenity turf					

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LEGEND



E	4/11/18	Enhanced planting to South West corner	ML	
D	4/11/18	Printing issued	ML	
C	11/11/18	Revised area following installation of a storm drainage and water main	ML	
B	10/09/18	Ulmus 'New Horizon' added (different tree plan trees to be removed)	ML	
A	08/07/18	Final revised plan and planting schedule	ML	
REV	DATE	COMMENTS	CHK	APP



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PROJECT:	WATERLOOVILLE		
TITLE:	PLANTING PLAN		
CLIENT:	CHURCHILL RETIREMENT LIVING		
SCALE:	1:200@A1	DATE:	02/07/2015
JOB NO:	144	DWG NO:	144_PP_300
STATUS:	PLANNING	REV:	E