

Plant Schedule

Latin Name	Common Name	ID	Qty	Container (Litres)	Height (cm)	Spacing (mm)	Number of breaks (min)
Perennials, Ferns & Ground Cover							
Bergenia cordifolia 'Winterglut'	Winterglow Bergenia	8cW	17	2L		300	
Brunnera macrophylla 'Jack Frost'	Jack Frost Siberian Bugloss P.P.# 13859	8mJF	10	2L		400	
Heuchera 'Plum Pudding'	Plum Pudding Coral Bells	HPP	14	2L		350	
Liriope muscari	Big Blue Lily Turf	Lm	13	2L		400	
Ornamental Grasses							
Carex morrowii 'Ice Dance'	Ice Dance Japanese Sedge	CmlID	17	2L		325	
Ornamental/ Formal Native Hedges							
Griselinia littoralis	New Zealand Broadleaf		88	5L	80/100cm	330	5

Landscape Areas	Seed Mix/ Turf Specification/ Area Notes	Rate
Frontage Bulb Mix	Ornamental bark mulch	75mm depth
Grass (Turf)	rolawn Medallion® Turf or similar and approved.	
Native Shrub Mix	Ornamental bark mulch	75mm depth
Ornamental Planting Mix 1	---	---
Ornamental Planting Mix 2	Ornamental bark mulch	75mm depth
Ornamental Planting Mix -2	Ornamental bark mulch	75mm depth
Ornamental Screening Mix	Ornamental bark mulch	75mm depth

Plant Mixes	Area	Qty	Latin Name	Common Name	Container (Litres)	Height (cm)	Rate/ Spacing
Ornamental planting mixes							
Ornamental Planting Mix 1	38.1 sq m						0
		12	Geranium x 'Rozanne'	Rozanne Cranesbill P.P.# 12175 (G. 'Gerwat')	3L		3 Plants/sq m
		9	Geranium clarkei 'Kashmir White'	Cranesbill 'Kashmir White'	2L		5 Plants/sq m
		5	Choiysa x dewitteana 'Aztec Pearl'	Mexican orange blossom	3L	40/60cm	1 Plants/sq m
		17	Mahonia eurybracteata subsp.ganpinensis 'Soft Caress'	Soft Caress Oregon Grape	3L	30/40cm	3 Plants/sq m
		5	Fatsia japonica	Japanese Aralia	5L	40-60cm	1 Plants/sq m
		23	Anemone x hybrida 'Honorine Jobert'	Honorine Jobert Japanese Anemone	2L		4 Plants/sq m
		23	Skimmia japonica 'Kew White'	Japanese Skimmia (Female)	3L	30-40cm	4 Plants/sq m
Ornamental Planting Mix 2	67.3 sq m						0
		43	Liriope muscari	Big Blue Lily Turf	2L		6 Plants/sq m
		35	Pulmonaria 'Lewis Palmer'	Lungwort 'Lewis Palmer'	2L		5 Plants/sq m
		28	Anemone x hybrida 'Honorine Jobert'	Honorine Jobert Japanese Anemone	2L		4 Plants/sq m
		18	Heuchera 'Green Spice'	Coral Flower 'Green Spice'	2L		5 Plants/sq m
		54	Pachysandra terminalis	Japanese Spurge	2L		5 Plants/sq m
		35	Hakonechloa macra	Japanese forest grass	2L		5 Plants/sq m
		22	Sarcococca hookeriana var. digyna 'Purple Stem'	Sweet Box	3L	20/30cm	3 Plants/sq m
		13	Matteuccia struthiopteris	Shuttlecock Fern	5L		2 Plants/sq m
		10	Dryopteris wallichiana	Alpine Wood Fern	5L		3 Plants/sq m
		54	Helleborus niger	Christmas rose	2L	20cm	5 Plants/sq m
Herbaceous Perennial Mix 1	32.6 sq m						0
		10	Lavandula x intermedia 'Grosso'	Lavender 'Grosso'	3L	20/30cm	3 Plants/sq m
		5	Choiysa x dewitteana 'Aztec Pearl'	Mexican orange blossom	3L	40/60cm	1 Plants/sq m
		5	Cornus sanguinea	Common Dogwood	5L	40-60cm	1 Plants/sq m
		24	Verbena bonariensis	purple top	2L		5 Plants/sq m
		13	Geranium 'Dilys'	Cranesbill 'Dilys'	3L		4 Plants/sq m
		24	Nassella tenuissima	Mexican Feather Grass Syn. Stipa tenuissima	3L		5 Plants/sq m
		13	Rudbeckia fulgida var. sullivantii 'Goldsturm'	Goldsturm Black Eyed Susan	2L		4 Plants/sq m
		24	Salvia nemorosa 'Caradonna'	Caradonna Meadow Sage	3L		5 Plants/sq m
Ornamental Screening Mix	55 sq m						0
		41	Helleborus niger	Christmas rose	2L	20cm	5 Plants/sq m
		8	Tellima grandiflora	Fringe Cups	2L		3 Plants/sq m
		22	Epimedium x versicolor 'Sulphureum'	Barrenwort	2L		4 Plants/sq m
		22	Cornus sanguinea 'Midwinter Fire'	Midwinter Fire Dogwood	5L	40/60cm	4 Plants/sq m
		8	Viburnum tinus 'Eve Price'	Laurustinus	5-7.5L	40-60cm	1 Plants/sq m
		8	Griselinia littoralis	New Zealand Broadleaf	5L	80/100cm	1 Plants/sq m
		28	Sarcococca confusa	Sweet Box	3L	20-30cm	5 Plants/sq m
		16	Mahonia x media 'Winter Sun'	Winter Sun Mahonia	5-7.5L	40-60cm	3 Plants/sq m
Native Shrub Mix	195.8 sq m						0
		24	Cornus sanguinea	Common Dogwood	WHP	40-60cm	1 Plants/sq m
		24	Ilex aquifolium	English Holly	15L	120/150cm	1 Plants/sq m
		24	Euonymus europaeus	Spindle	WHP	40/60cm	1 Plants/sq m
		24	Corylus avellana	Hazel	WHP	40/60cm	1 Plants/sq m
		24	Rosa canina	Dog Rose	WHP	40/60cm	1 Plants/sq m
		24	Viburnum lantana	Common Wayfaring Tree	WHP	40/60cm	1 Plants/sq m
		24	Viburnum opulus	Guelder Rose	WHP	40/60cm	1 Plants/sq m
		24	Crataegus monogyna	Common Hawthorn	WHP	40/60cm	1 Plants/sq m
Frontage Bulb Mix	23.5 sq m						0
		117	Hyacinthoides non-scripta	English Bluebell			20 Plants/sq m
		117	Chionodoxa luciliae	Glory of the Snow			20 Plants/sq m
		117	Anemone blanda	Winter windflower			20 Plants/sq m
		117	Galanthus nivalis	Common Snowdrop			20 Plants/sq m

Latin Name	Common Name	Qty	Container/ Root condition	Height (cm)	Form	Girth	Number of breaks (min)	Min Clear Stem (cm)
Trees								
Acer platanoides 'Olmsted'	Olmsted Maple	6	15L	350-425cm	HS	12-14cm	5	175-200cm
Ilex aquifolium	Common holly	3	35L	350-425cm	HS	12-14cm	5	175-200cm
Pinus pinea	Stone pine	4	150L	250-300cm	SS	20-25cm		min 200cm
Quercus robur	English Oak	1	R.B.	250-300cm	HS	12-14cm	3	175-200cm
Sorbus aucuparia	Rowan	3	RB/40L	300-350cm	SS	10-12cm	3	175-200cm

Abbreviations

S	Standard	SS	Select Standard	HS	Select Standard	Rootballed and bagged trees should only be planted during the dormant season (October-March).
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Outline Specification Notes

- Setting out - check that all setting out conforms to the plan before cultivation and planting works are carried out. With narrow beds between walls/ fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is sealed with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine the correct course of action. The arrangement of all beds will be checked by the inspecting landscape architect and where it is not as drawn, the works will be rejected and the contractor shall re-cultivate them to the specified arrangement at the contractor's expense.
- Notice - give one weeks notice before:
 - Setting out; applying herbicides; applying fertilizer; delivery of topsoil/subsoil; delivery of plants/ trees; planting shrubs and trees into previously dug pits; watering; visiting site during maintenance period.
- Imported topsoils - shall be of high quality, conforming to BS 3882:2015 for planting beds. Soil texture class: sandy loam, loam (maximum 20% clay). Do not firm, consolidate or compact topsoil when laying. Preserve a friable texture of separate visible crumbs wherever possible. Topsoil shall be laid to the following minimum depths:
 - 150mm below new grass areas;
 - 400mm beneath new shrub areas.
- Subsoil surface preparation for ornamental planting beds - excavate and/ or place fill to required profiles and levels. When ground conditions are sufficiently dry to allow breaking up of soils, loosen thoroughly to a depth of 450mm. Remove from site stones larger than 50mm and any arisings, contamination and debris. Do not use mechanical tools within 1000 mm of tree and plant stems.
- Soil amelioration -
 - A 50mm layer of PAS100 certified should be worked into the top 100mm of topsoil within areas of ornamental planting beds.
- Ensure soil of all planting beds is graded to a level of at least 85mm below adjacent paved surfaces to ensure bark or wood chip mulches are retained.
- Following planting supply and spread evenly Ornamental bark mulch (available from Melcourt industries or similar and approved) to a depth of 75mm, over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns.
- General plant and tree condition - All plants and trees should be in good condition; materially undamaged, sturdy, healthy and vigorous.
 - Appearance: Of good shape and without elongated stems. All foliage should be free of significant leaf lesions or abnormal discoloration. Tree crowns should be free of dieback. Foliar density and size should be typical of species and/or cultivar. The main trunk/stem of the tree should be free of abnormal/ excessive adventitious bud development. Main trunk/stem of tree should be free from any significant untypical flattening with no indication of strangulation from ties or labels. There should be no epicormic growth emerging from the rootstock of the tree.
 - Form: All trees should have a clearly defined strong leader. All lateral branches should be subordinated to the leader and should never be more than 25% of the diameter of the main stem at the branch union. All formative pruning wounds should exhibit healthy and continuous bark occlusion with all pruning cuts made leaving the branch collar clearly visible and intact on the main stem. All branches which are poorly attached, are inward growing or cross and rub other branches should be removed and subordinated to the central stem.
 - Hardiness: Grown in a suitable environment and hardened off.
 - Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
 - Budded or grafted plants: Growth between stock and scion wood should be equitable with no disproportionate growth apparent between the two. At no time during the production process should the bud union have been below soil level.
 - Root system and condition: Balanced with branch system.
- Containerised Plants and Trees -
 - Growing medium: To be peat-free, with adequate nutrients for plants to thrive until permanently planted.
 - Plants: Centred in containers, firmed and well watered.
 - Root growth: Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting. Should be free of root circling or root grafting. Root flare should be clearly visible on the surface of the container.
 - Containers: With holes adequate for drainage when placed on any substrate commonly used under irrigation systems.
- All plants shall be true to name, forms, dimensions, provenance and other criteria specified in the schedule of plants and adhere to the minimum number of breaks as determined in the plant schedule and/or HIA National Plant Specification. Any stock falling below this standard, in the sole opinion of the inspecting landscape architect, shall be lifted and replaced at the contractor's expense.
- Substitutions - Submit alternatives where plants/ trees are unavailable or known to be likely to be unobtainable at time of ordering. Approval must be obtained before making any substitutions.
- Biosecurity, labelling and documentation -
 - All plants must be grown in the United Kingdom for at least one growing season (or as required for biosecurity purposes) unless otherwise approved.
 - All plants and trees, on delivery to site must be clearly labelled with their full botanical name; supplier's name; employer's name and project reference; county of origin and plant specification, in accordance with scheduled National Plant Specification categories.
 - Plant passports must be supplied and retained as required by the APHA and for all plants on the EU Xylella fastidiosa host list.
 - Source from known suppliers or visit suppliers to view their processes, procedures, bio-security arrangements and the plants they grow and provide evidence.
 - Make sure that imported plants both originate from and are sourced from disease free areas.
- Time of year and conditions acceptable for planting -
 - All reasonable care should be taken to ensure that planting takes place in the best conditions to ensure that plants establish well and thrive.
 - Soil should be moist, and not waterlogged or frozen.
 - The best time to plant most containerised plants is in mid-autumn or early/mid spring although with careful watering and aftercare planting of containerised plants can take place year round in good conditions.
 - Rootballed and baredroot plants can only be planted in the dormant season from late October to March (in good conditions). When the programme requires planting to be carried out outside of these times, all rootballed and baredroot plants must be substituted for equivalent container grown plants.
 - Plant bulbs, corms and tubers in autumn (late september/ october) unless otherwise recommended by sound horticultural advice.
- Planting Pits:
 - Trees and shrubs to be planted in pits 75 mm wider and deeper than root system. Break up the bottom of the pit to a depth of 150 mm. Incorporate soil conditioner to topsoil backfill. Apply 1.5g/ltr of growing media TerraCotem Arbor and Rootgrow Mycorrhiza Professional granules (50ml for STD trees, 100ml for HS and 120ml for EHS), available from GreenTech or similar and approved to topsoil backfill. Where soils are compacted, tree pits should be decompactd through excavating a wide, shallow tree pit of minimum 1.5m wide & 4m2 in area by 300-400m deep, and loosening/breaking the subsoil layer at the base of the pit for a further 300-450mm. Lightly firm soil around plants.
- Plant Handling, Transport & Storage -
 - Protect from frost.
 - Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
 - Minimise storage of plants on site by arranging delivery immediately prior to planting. If storage on site is required, ensure the area is fenced off and protected from weather, wind and lack of rainfall. Water evergreens twice in winter.
 - Volume: When watering shrubs, the top layer of soil should be fully saturated; apply 20L per m2 per visit to hedgerows. During the first season after planting apply 45L/month to STD trees, 75L/month to SS, 115L/month, 150L/month to EHS trees. Additional volume is required for larger stock. During the growing seasons after planting apply 25L to each tree at each visit.
- Standards - landscape works to be carried out in accordance with the relevant current British Standards (including current revisions of 4428, 3936 & 5837); National Planting Specifications Guidelines; Horticultural Trades Association Standards (including "Handling and establishing landscape plants" part 1, 2 & 3); CPSE "Plant Handling" Standards & COSHH Regulations.

General Notes

Contractor must verify all dimensions, levels and existing service alignments on site before commencing any work or shop drawings. Any discrepancy concerning the drawings/quantities should be referred to the Landscape Architect immediately.

Only figured dimensions to be taken from this drawing. Do not scale off this drawing. All landscape drawings to be read in conjunction with the landscape specification and all relevant engineer's and architect's drawings/specifications. This drawing is Copyright and must not be reproduced without consent of Guarda Landscape.

4	20/05/22	Following Architects comments	RB	CX
3	17/05/22	Revised pedestrian entrance	JH	RB
2	09/05/22	Note peat-free medium	RB	CX
Rev	Date	Comments	Dr	Ch

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landscape

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Client

Hatfield Park Homes Ltd.

Site

**Former Beales Hotel
Comet Way, Hatfield, AL10 9NG**

Drawing Title

**Outline Softworks Schedule
and Specification Part 1**

Scale	Status	
1:200 @ A1	Planning	
Project	Revision	
21103	GUA-DR-L-010	
4		
Drawn	Checked	Date
RB	JH	April 2022

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