

PLANTING SCHEDULE

Qty	Trees	Girth (cm)	Root	Height/ cm	Specification
1	Acer campestre	10-12	B	250-350	Selected Standard; 3 x transplant
4	Acer campestre 'Streetwise'	12-14	RB	300-400	Heavy Standard; 3 x transplant
4	Alnus incana Aurea	12-14	RB	350-425	Heavy Standard; 3 x transplant
13	Amelanchier arborea Robin Hill	12-14	RB	350-425	Heavy Standard; 3 x transplant
3	Betula nigra	12-14	RB	350-425	Heavy Standard; 3 x transplant
6	Betula pendula Tristis	12-14	RB	350-425	Heavy Standard; 3 x transplant
1	Betula utilis Doorenbos (multi-stem)	-	C*	300-350	
4	Crataegus monogyna	10-12	B	250-300	Selected Standard; 3 x transplant
8	Crataegus prunifolia	10-12	B	250-300	Selected Standard; 3 x transplant
3	Crataegus laevigata Pauls Scarlet	10-12	B	250-350	Selected Standard; 3 x transplant
1	Liriodendron tulipifera Fastigiata	14-16	RB	425-600	3 x transplant
1	Malus Evereste	12-14	RB	350-425	Heavy Standard; 3 x transplant
2	Prunus Yedoensis	12-14	RB	350-425	Heavy Standard; 3 x transplant
2	Prunus padus Albertii	12-14	RB	350-425	Heavy Standard; 3 x transplant
6	Prunus Pandora	10-12	B	250-300	Selected Standard; 3 x transplant

Fruit/orchard trees located within secure garden					
Apples:					
Apples to be supplied on M26 semi-dwarfing rootstock					
1	Katy	10-12	C*		
C*: Air pot grown					

Qty	Shrubs & Herbaceous Species	No. per m <sup>2</sup>	Size (cm)	Root	Specification
Shrubs:					
30	Azalea Lorna	3	20-30	3L	Gable hybrid
30	Azalea Stewartsonian	3	20-30	3L	Gable hybrid
128	Dryopteris felix mas	4	20-30	3L	-
109	Erica carnea Nathalie	4.5	full pot	full pot	-
30	Euonymus Emerald Galety	3.5	20-30	3L	-
141	Euonymus Emerald n Gold	3.5	20-30	3L	-
42	Hebe Blue Gem	3.5	20-30	3L	-
173	Hebe rakaiensis	3.5	30-40	3L	-
7	Hydrangea Mariessii Perfecta	2.5	30-40	3L	-
7	Mahonia aquifolium Apollo	3	20-30	3L	-
11	Phormium Yellow Wave	3.0	7 leaves	3L	-
14	Prunus laurocerasus Otto Luyken	3	30-40	3L	-
99	Tiarella Tiger Stripe	5	full pot	2L	-
160	Viburnum davidii	3.5	30-40	3L	-
6	Viburnum plicatum Mareisii	2.5	30-40	3L	-
98	Vinca minor Atropurpurea	5	full pot	2L	-

Single species hedges:					
1388	Fagus sylvatica	-	80-100	BR	Beech Hedge
Mixed species hedges:					
942	Crataegus monogyna	-	80-100	BR	Hawthorn
38	Acer campestre	-	60-80	BR	Field Maple
38	Viburnum opulus	-	60-80	BR	Guelder rose
38	Ligustrum vulgare	-	60-80	BR	Privet
38	Rosa canina	0	60-80	BR	Dog Rose
77	Prunus spinosa	0	60-80	BR	Blackthorn

Native shrub mix:					
67	Cornus sanguinea Midwinter Fire	1	60-80	BR	Dogwood
67	Daphne mezereum	2	60-80	BR	Daphne
135	Rosa rubiginosa	2	40-60	BR	Sweet Briar
135	Rosa pimpinellifolia	2	40-60	BR	Burnet Rose
101	Rubus Betty Ashburner	3	40-60	2L	-
202	Symphoricarpos chenaultii Hancock	3	30-40	2L	Snowberry
Low Maintenance Shrub Mix:					
72	Erica cinerea	4.5	full pot	full pot	-
58	Erica tetralix	4.5	full pot	full pot	-
51	Calluna vulgaris Firefly	4.0	full pot	full pot	-
56	Hebe albicans	3.5	20-30	3L	-
22	Hypericum androsaemum	3.5	30-40	3L	-

Bulbs:					
1107	Galanthus nivalis	25	0	0	Snowdrop
1107	Narcissus pseudonarcissus	25	0	0	Wild Daffodil

Herbaceous:					
11	Echinacea purpurea	4.5	full pot	2L	-
46	Epimedium versicolor Sulphureum	4.5	full pot	2L	-
33	Erigeron glaucus Sea Breeze	4.5	full pot	2L	-
14	Leucanthemum vulgare	4.5	full pot	2L	-
14	Iris pseudocorus	4.5	full pot	2L	-
14	Lythrum salicaria	4.5	full pot	2L	-
5	Chrysanthemum parthenium	4.5	full pot	3L	Feverfew
7	Cymbopogon citratus	4.5	full pot	3L	Lemongrass
5	Origanum vulgare	4.5	full pot	3L	Origano
7	Thymus x citriodorus	4.5	full pot	3L	Thymus spp
8	Verbena patagonica	4.5	full pot	3L	Verbena

PLANTING NOTES

**1) General Planting Notes:** All plants to be healthy, hardened-off and with good fibrous root systems and to comply with the requirements of BS3936 Specification for Nursery Stock. All planting to be undertaken in accordance with BS4428 Code of Practice for General Landscape Operations. All plants to be protected from wind exposure at all times. All plants to be soaked in water for several hours prior to planting and to be well watered in. No planting to be carried out during poor weather conditions, i.e. when ground is frozen, waterlogged, or during droughts, hot sunshine or persistent dry, cold winds. All plant material to receive enough water to ensure healthy establishment.

**2) Times of Year for Planting/Turfing:**  
Deciduous trees and shrubs: Late November to late March.  
Container grown stock - any time of year as providing adequately watered, autumn planting desirable.  
Conifers and evergreens: September/October or April/May.  
Container grown plants: At any time if ground and weather conditions are favourable.  
Herbaceous plants: September/October or March/April.  
Dried bulbs, corms and tubers: September/October.  
Turfing: All year round providing adequately watered, avoid hot sunny conditions.

**3)Subsoil:** Minimum depth to be 300mm for all areas.  
Relieving subsoil compaction: Subsoil grading of the site shall leave landscape areas with smooth flowing contours to achieve the specified finished levels when topsoiled. Prior to topsoiling, subsoil formation should be ripped and loosened to a minimum depth of 450mm. Imported subsoil shall be in accordance with BS3882 for amenity use.

**4) Topsoil:** all topsoil to conform to 'Multipurpose' grade to BS 3882:2015. Contractor to provide laboratory analysis and certification confirming soil meets the requirements of BS 3882. Soil analysis to ensure soil is suitable for plant uptake. Contractor to provide laboratory analysis and certification confirming soil in accordance with BS 3882 section 6, plus Soil Guidance Values (SGV) relative to soil contamination trigger values established by DEFRA. Topsoil shall be spread in layers not exceeding 150mm and firm each layer before spreading the next. At the time of laying, both material and weather should be reasonably dry. Soil levels should be 30mm higher than adjacent kerbs and paving after settlement and married in with existing soil levels. Minimum topsoil depths after settlement shall be:  
Planting areas: 400mm depth topsoil required;  
Grass areas: 150mm depth topsoil

**5) Soil preparation works prior to planting:**  
a.) Cultivate the soil of all areas prior to seeding and planting. This should include loosening, aerating and breaking up soil into particles 2-8mm to depth of 150mm.  
b.) Soil conditioner: Spread 75mm well-rotted manure or PAS100 compost prior to cultivation. Cultivate to a depth of 300mm. Remove weeds, roots and undesirable material brought to the surface including stones and clods. Leave surfaces regular and even. Do not use peat or peat products.

**6) Plant material:** to be supplied in accordance with HTA National Plant Specification. All Planting to be of regional provenance and from a local supplier (within 50 mile radius of site).

**7) Watering** All plants to be well watered to full rooting depth immediately after planting.

**8) Hedge planting** to be arranged as detailed. Hedges to have rabbit guards.

**TREE PLANTING - to BS 8545:2014; sections 10 & 11; Annexes F & G.2**

**1) Tree pits:**  
Heavy and extra-heavy standards: 1000mm dia x 750mm deep.  
Smaller stock: Feather, maiden and light standard size trees to be planted in excavated pits 700x700x600 or 500mm greater than the root dia, depth 300mm min greater than depth of rootball.  
Bare root transplant size trees and shrubs to be planted in hole cut into centre of previously dug pits of sufficient size for the roots to fully spread out. Feather, maiden and light standard size trees to be planted in excavated pits 700x700x600 or 500mm greater than the rootball.  
All - bases of pits to be broken up to a depth of at least 250mm.

**2) Tree pit drainage** (need to be confirmed following trial hole): allow for aggregate layer of clean gravel or broken stone, graded 40-20mm, depth 250mm. Layer to be slightly domed falling towards edges. Lay geotextile filter membrane above drainage layer.

**3) Backfill:** Tree pits to be backfilled with 85% approved topsoil excavated from pit, 15% Growtop 'Growthree' Compost or similar and 100g 'Enmag' fertiliser.

**4) Irrigation:** All trees to have dished profile to soil surface. Extra heavy standard trees and above to have irrigation pipe installed in tree pit at planting.

**5) Guying/Staking:** Larger trees to be securely staked with long double staking and butyl rubber strap & spacers. Feathered, maiden and light standard sized trees to be supported by a short stake and adjustable straps as above.

**6) Bark mulch:** All planting areas, including tree pits, to receive 75mm mulch: Melcourt Ornamental bark mulch or similar approved.

**10) Mulch:** All planting areas, hedges and tree pits, to receive 75mm mulch: Melcourt Industries Ornamental bark mulch or similar approved. Tree pits to be kept clear of planting to a min dia 800mm.

**11) Preparation for Turfing**  
Soil preparation works prior to turfing:  
- Clean seedbed with suitable herbicide to perennial weeds.  
- Areas to be well-graded: Reduce top 100mm soil to a fine tilth. Rake over to a true even surface, lightly firmed but not over compacted, removing all stones and earth clods more than 50mm in any dimension on general areas and 25mm on lawns. When topsoil is dry and workable grade to smooth flowing contours. Final cultivation: reduce to fine firm tilth with good crumb structure.  
- Pre-turf/seed fertiliser: apply superphosphate with a minimum of 18% water soluble phosphoric acid, and sulphate of ammonia with a minimum of 20% nitrogen each at 70g/m sq, spread evenly. Apply before final cultivation and 3-5 days before turfing/seeding.  
- TURF: to TGA quality standards. Turf to be dense, of uniform green colour, free from broadleaved weeds and not effected by pest or disease.

**12) Turfing operations**  
Spring or autumn, 24hours of delivery. Turfing to conform to BS 3969, installed in suitable weather conditions. Around newly planted trees: neatly cut away to a diameter of 800mm around individual trees. Leave soil exposed (to be mulched to 75mm).

**MAINTENANCE:**  
- Duration for contractor: Contractor to be responsible for maintenance until Completion of contract, i.e. 12 months following Practical Completion  
- This maintenance shall include all horticultural operations required to ensure soft landscaping is able to develop and thrive and to maintain a tidy appearance; operations to include watering, weeding and pruning. A minimum of monthly maintenance visits is required throughout the growing season.  
- Works to include watering, fertiliser, weeding, top up of bark mulch to 75mm deep, pruning, re-firming and other operations as required to ensure successful establishment of planting.  
- Any plant defects at the end of the maintenance period to be replaced by the contractor at the contractor's expense.  
- All trees & shrubs planting is well watered on planting: 50 litres per tree, 20 litres per shrub.

A separate maintenance specification schedule will apply for long term maintenance operations post-contract for al communal areas.

**ENVIRONMENTAL PROTECTION**  
a. pesticide use such as weed-killers, insecticides, slug pellets and fungicides are to be kept to a minimum to prevent any cumulative effects within the animal food chain;

b. implement good horticultural practice within the planting scheme, including: do not use peat or products containing peat, use non-residual pesticides/herbicides only;

c. ensure all trees and scrub vegetation is removed outside of the British bird breeding season.

**BIRD NESTING SEASON**  
Virtually all birds are protected under the Wildlife and Countryside Act 1981, as amended, while nesting. Potential nests and nesting birds have implications for land clearance and demolition within the site. Measures can be taken which will aid in minimising the impact and avoid injuring/killing or damaging/ destructing birds and their nests. Such measures, which must be adhered to through the development, include:

- carrying out any tree clearance and building demolition during autumn, winter or early spring (September- February inclusive) to avoid the bird nesting season; and

- if clearance, tree works or building demolition is required during the nesting season, an ecologist or suitably trained person can carry out checks on vegetation to ensure no nesting birds are present prior to the works.

