



PLANTING NOTES

- Plant handling at the nursery, & transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for the Plant Supply & Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association 19 High Street, Theale, Berks RG7 5H) which refer to the receipt, unloading & temporary storage of plants.
- Plants shall be the first class examples of their species or variety, free from all pests & diseases, with good fibrous root systems & materially undamaged (refer to relevant section of BS5330 Parts 1-4 Specification of Nursery Stock).
- All planting is to be in general compliance with BS54428:1999 'Code of Practice for general landscape operations (excluding hard surfaces)'.
- All plants and fauna shall be planted in the recommended season.
- Where necessary staking shall be carried out by hand to eliminate ponding hollows. Finished topsoil level shall be 25mm above adjoining paved areas and 150mm below damp proof courses level to the adjacent building.
- Areas of large roots to be grubbed up without undue disturbance of surrounding soil & adjacent areas. Rubbish, concrete, metal, glass, hard surfacing, hardworn, decayed vegetation, weed growth & any contaminated topsoil are to be removed & disposed off-site prior to planting.
- Shrub beds to have a min. depth of 450mm good quality imported topsoil (BS3882), do not use topsoil contaminated with subsoil, rubbish or other materials. Do not compact soil, preserve a friable texture of accurate visible crumbles where ever possible. Topsoil to be treated with an application of herbicide prior to planting, where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated superseded legislation), & following manufacturer's instructions by qualified staff & then should be cultivated to 150mm depth prior to planting. Where existing beds are to be cleared & mulched, incorporate new spent compost 20% & topsoil 80% into all tree, shrub & hedge areas. All shrub beds/ grasses areas shall have a suitable slow release fertilizer applied at the manufacturers specified rates.
- Shrub Compost. Specimen plants to be planted in a pit 400 x 400 x250mm deep with 5 litres Tree & Shrub Compost.
- All areas of ornamental planting are to be mulched to a depth of 50mm with an amenity grade bark mulch except plants are located in gravel.
- Formal Hedges Trench to be dug min 600mm wide x 600mm deep (base broken out to facilitate drainage) and a peat free compost or slow release fertilizer incorporated into the back fill material.
- Native shrub/tree planting. Whole area to be treated with a non-residual glyphosate based herbicide prior to planting. All BR stock to be notch planted. Into the ground & heated into place. All BR, whips & BR stock (woodland mix & hedge) to be protected with a spiral bound biodegradable guard secured in place with a cane. All trees to have mulch mat around base.
- All turf & grass seed mixes are to be supplied by an approved supplier. All turves are to be laid horizontally to adjacent hard surfaces in a staggered pattern to encourage establishment. All grassed areas are to be watered as necessary to ensure their establishment & continued thriving. New grassed areas to have a min. depth of 150mm good quality imported topsoil (BS3882) to be treated as per 5, many new soils into existing where necessary. Carry out all work when soil & weather are suitable.
 - Do not sow turf during periods of frost or strong winds
 - Sow only in Spring & Autumn
 - Ensure that adequate watering & weed control is available
- Wildflower seeding. To be sown in recycled aggregate/ sand growing medium, prepare ground and spray with a non-residual glyphosate based herbicide in line with manufacturers recommendations. Rake or harrow & roll to produce a medium lift, fairly fine, firm surface. Sow seeds in autumn, spring subject to project timescales. Spread seed by machine or hand, @ 1.5 to 4g/m2 depending on mix. Do not cover seed but firm in with roller or by treading.
- Trees are to be planted securely either underground guyed in accordance with an approved guying system or staked & secured as follows:
 - Heavy Standard are to be secured using 2no. treated softwood stakes with cross bar, driven firmly into the ground. Stakes to be 1000mm above ground & fixed to tree with suitable rubber seat tie & spacer
 - Standard are to be secured using a single stake driven firmly into ground (0.6m above ground level) & secured with a rubber tie & spacer
 - Multi-trunk trees are to be secured using a single angled stake driven firmly into ground & secured with a rubber tie & spacer
- For all ornamental trees one 80litre bag of free planting compost (non-peat based) is to be incorporated in the tree pits. For all ornamental trees the tree pit should be large enough to comfortably accommodate the rootball. Backfilling with excavated soils to replicate the existing horizon. All trees are to be planted in line with BS5836:2014 'Trees from nursery to independence in the landscape - Recommendations: Para 10.2.7 Topsoil should not be used below depth of the original topsoil.'
- Trees planted in grass are to have a 1m dia turf cut around the base of the tree & circle filled with 50mm depth bark mulch.
- The landscaping shown on this drawing shall be fully implemented in the first available planting season (No-March) following completion of the approved development. Consideration to be taken into account & planned for within the construction programme. Where the works programme does not provide for tree and shrub planting to be carried out in the appropriate season either of the following operations shall be implemented:
 - (a) Planting shall be completed during the first planting season following Practical Completion. The cost of carrying out such landscape works after Practical Completion shall be at the expense of the Contractor. Ensure adequate watering & weed control is available.
 - (b) Carry out all work when soil & weather conditions are suitable. Do not plant during periods of frost or strong winds. Plant only in the following periods: - Container grown plants. At anytime if ground water & weather conditions are favourable-Roofballast & bare root trees & shrubs-November-March. Ensure adequate watering & weed control is available.
- Water all plants & trees on the same day of planting, plant only into moist soil & water thoroughly to the full depth of soil immediately after planting. Water regularly through the establishment period (minimum 3 months) to prevent dehydration (min. once a week in periods of drought) to ensure the establishment of the plants during the 12month defects period.
- The contractor must ascertain for himself/theirself the exact position of underground services & maintenance points prior to carrying out any digging on site.

PLANTING AFTERCARE - 5 year establishment period

- Generally**
- Maintain all grass areas, shrub beds and hedgerow planting free of litter and excessive weed growth (ie. growth that would be detrimental to the intended planting). Do not allow rubbish, grass cuttings, or other deleterious materials to be deposited on any of the planted areas during the establishment period.
 - Water all trees, shrubs & hedges in periods of drought (no significant rainfall for 5-7days) during the growing season of the 12months defect liability period. (Growing season is typically late Spring to early Autumn). Water once a week so the soil is fully saturated to encourage deep roots to establish & continue this until significant rainfall.
 - Any plants which are stolen from the site prior to Practical Completion shall be replaced by the Contractor.
 - Any plants which die or show signs of poor health should be replaced towards the end of the 12month defects liability period by the contractor (Exclusions: Theft or malicious damage after completion). The Employer shall determine whether a plant has failed. The cause of death or poor health should be investigated & the issue re-mediated prior to any new planting. If necessary plant species can be substituted (with prior agreement with the Landscape Architect) if particular plants are not suitable for the situation due to unforeseen circumstances.
 - At the end of the first 12 month maintenance period ensure soil is thoroughly mulched prior to re-mulching, applying water where necessary, re-mulch all planting beds to a depth of 50mm.
 - After the 12month defects liability period the plants within private ownership (front & back gardens) will be the responsibility of the individual home owner, maintenance of all public areas will be passed onto the management company or the local authority which will need to replace any trees or shrubs that die within a 5 year period in line with the original proposals.
- Grass**
- Maintenance of grassed areas shall include mowing, watering as necessary to saturate soil below, trimming edges to pavings & planted areas at every cut, removing all debris & stones over 30mm in size, prior to mowing, weeding by cultivating, forking hoeing & raking & re-seeding any portions considered necessary & removing from site all debris & stones created by the operations. Pavements to be weed clean of any grass cuttings. Strimming round base of all trees will be carried out with a strimmer fitted with a protective guard to prevent bark damage. Grass to be cut thoroughly throughout growing season to height between 25-30mm & remove clippings to tip (April to October)
- Any areas of grass where turfs are planted must not be sown until turfs have settled or show signs of de-lack. Spike and scarify periodically to promote free drainage and remove moss and thatch.
- In drought conditions the following modifications to specified mowing operations shall be implemented. Cutting heights shall be raised to 45mm, mowing shall only continue so long as grass growth continues to reach maximum advisable height.
- Native hedge mix**
- Maintenance operations: Years 1-3
- Water throughout the summer months after any period without significant rainfall.
- Treat Stray/Eggs Mix area with residual herbicide applied to bare ground at the end of the second years growth.
- Ensure plants are secure and upright in the ground. Firm up where necessary.
- Spot treat any weeds to maintain weed free.
- Prune out any dead wood.
- Replace dead/missing plants.
- Re-5m plants where necessary.
- Wildflower Mix**
- First Year Management: Do not cut any annual weeds until mid to late summer. Then cut, remove and compost in early August. The meadow can then be kept short by mowing through to the end of March of the following year. Dig out any residual perennial weeds such as docks.
- Management Once Established:**
- In the second and subsequent years sowings can be managed in a number of ways which, in association with soil fertility, will determine the character of the grassland. The best results are usually obtained by traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing or grazing.
- Meadow grassland is not cut from spring/through to late July/August to give the sown species an opportunity to flower. After flowering in July or August make a 'hay cut': cut back with a scythe, pulled strimmer or tractor mower to approx 50mm. Leave the hay to dry and shed seed for 1-7 days then remove from site.
- Now re-grow through to late autumn/winter to approx 60mm and again in spring if needed.
- Shrub Beds**
- APPLY TO ALL YEARS
- Maintain weed free
- Replace dead/missing plants
- Water in periods of drought 10 litres per shrub per week
- Remove deadwood
- At the end of year 5, thin shrub beds to allow adjacent plants to achieve their species potential.
- Herbaceous Beds**
- Maintain weed free
- Replace dead/missing plants
- Water in periods of drought a minimum of 2 times a week.
- Every 2-4 years (species dependent) divide plants.
- Hedges**
- The aim is to establish a stable and healthy hedgerow within 3 years from planting with a well shaped framework.
- Maintenance operations:
- Maintained beds of plants weed free, spot treat as necessary.
- Replace dead and missing plants or those which fail to establish properly.
- Water throughout the summer months after any period without significant rainfall.
- Ensure plants are secure and upright in the ground. Firm up where necessary.
- After the second growing season, formative prune the hedgerow on an annual basis to remove any dead, diseased or damaged shoots and create a balanced form for future growth.

PLANTING SCHEDULE

Shrubs						
No	Code	Name	Height (spread) (cm)	Container	Habit	Density
4	C-3	Camellia 'Autumnal Blue'	50-150	TL	Branch	5 per m ²
7	CH	Chamaea 'hearts'	30-40	5L	Bushy	3 per m ²
27	SKG	Samolus 'Green/Silver'	30-40	5L	Bushy	3 per m ²
Herbaceous						
No	Code	Name	Height (cm)	Container	Habit	Density
7	AK	Ajuga reptans 'Alba'	45-60	5L	1-2	5 per m ²
9	ASB	Asplenium 'Blaumei Knospe'	50-150	5L	1-2	5 per m ²
20	BJF	Brunnera macrophylla 'Jack Frost'	50-150	5L	1-2	5 per m ²
20	Cap	Carex plantaginifolia	50-150	5L	1-2	5 per m ²
5	C-3C	Corydalis 'Hail of gold'	50-150	5L	1-2	5 per m ²
7	ESC	Echinacea 'Summer Cocktail'	50-150	5L	1-2	5 per m ²
5	W6	Hebe 'Wintergreen Beauty'	50-150	5L	1-2	5 per m ²
5	MSK	Miscanthus sinensis 'Kleine Silberseepe'	7-15	7.5L	1-2	5 per m ²
5	PER	Pennisetum alopecuroides 'Hansen'	50-150	5L	1-2	5 per m ²
5	PBS	Polemonia 'Blue Spire'	50-150	5L	1-2	5 per m ²
30	PA	Polystichum aculeatum	50-150	5L	1-2	5 per m ²
20	R-3	Rubus 'Polystichum'	50-150	5L	1-2	5 per m ²
5	S-3	Sedum 'Stardust'	50-150	5L	1-2	5 per m ²
25	T-3	Taraxia 'Spring Symphony'	50-150	5L	1-2	5 per m ²
Hedge						
No	Code	Name	Height (cm)	Container	Habit	Density
307	LH1	Ligustrum vulgare	200-225	RB	Branch	2 per m in
Native Hedge Mix - Planted in double staggered rows 7 per m in						
No	Code	Name	Height (cm)	Root	Age	Mix %
245	CM	Crataegus monogyna	45-60	BR	1-4	40
185	CA	Corylus avellana	45-60	BR	1-4	30
6	HP	Hamamelis	60-80	2L	1-4	10
61	PS	Prunus spinosa	60-80	BR	1-4	10
10	VO	Viburnum opulus	60-80	BR	1-4	10
Trees						
No	Code	Name	Height (cm)	Girth	Root/ Container	Form
3	ACM	Acer campestre	300-350	10-12cm	RB	Selected Std
3	AC	Acer campestre	300-425	12-14cm	RB	Heavy Std
4	Aln	Alnus glutinosa	300-350	10-12cm	RB	Selected Std
6	Ag	Alnus glutinosa	300-425	12-14cm	RB	Heavy Std
1	Bp	Betula pendula	300-350	10-12cm	RB	Selected Std
16	Bp	Betula pendula	300-425	12-14cm	RB	Heavy Std
4	CB	Carpinus betulus	300-350	10-12cm	RB	Selected Std
1	CB	Carpinus betulus	300-425	12-14cm	RB	Heavy Std
3	CC	Corylus colurna	600-700	30-40cm	RB	Semi mature
3	Ca	Crataegus laevigata 'Pauls Scarlet'	300-350	10-12cm	RB	Selected Std
3	CPG	Crataegus laevigata 'Pauls Scarlet'	300-425	12-14cm	RB	Heavy Std
14	Pr	Prunus sylvatica	300-400	10-12cm	RB	Extra Heavy Std
41	Pr	Prunus sylvatica	400-500	14-16cm	RB	Extra Heavy Std
3	Pp	Prunus padus	300-350	10-12cm	RB	Selected Std
10	Pr	Prunus padus	300-425	12-14cm	RB	Heavy Std
1	Qu	Quercus robur	300-350	10-12cm	RB	Selected Std
2	Qr	Quercus robur	300-425	12-14cm	RB	Heavy Std
1	Sor	Sorbus aucuparia	300-350	10-12cm	RB	Selected Std
4	Sau	Sorbus aucuparia	300-425	12-14cm	RB	Heavy Std
3	SOT	Sorbus torminalis	300-425	12-14cm	RB	Heavy Std
Wildflower Mix A 117.5m ² - EM3 Special General Purpose Meadow Mixture as supplied by Emergent Seeds sown at 4g/m ²						
Wildflower Mix B 190m ² - EM2 Standard General Purpose Meadow Mixture as supplied by Emergent Seeds sown at 4g/m ²						
Wildflower Mix C 3298.5m ² - EM10 Tussock Meadow Mixture as supplied by Emergent Seeds sown at 4g/m ²						
Wildflower Mix D 278m ² - Lamifire Wildflowers Woodland and Heavy Shade Wildflower Seeds LWBP sown at 3g/m ²						

Fruit Trees						
No	Code	Name	Height min (cm)	Girth	Root / Container	Form
3	CMF	Cydonia oblonga 'Meerches Prolific'	150		Quince A	Half std
1	MBO	Malus domestica 'Blenheim Orange'	150		MM11	Half std
2	MCP	Malus domestica 'Claygate Pearmain'	150		MM11	Half std
2	MLD	Malus domestica 'Lord Derby'	150		MM11	Half std
2	J-3	Prunus avium 'Sunburst'	150		Colt	Half std
1	PRHJF	Prunus domestica 'Rivers Early Prolific'	150		Tornial	Half std
1	PV	Prunus domestica 'Victoria'	150		Tornial	Half std
2	PC	Prunus communis 'Concord'	150		Quince A	Half std
3	PVC	Prunus communis 'Concord'	150		Quince A	Half std

SUPPLIER DETAILS

GreenBlue Urban Ltd

Northpoint

Compass Park

Junction Road

Bodiam TN32 5BS

T: 01580 830 800

E: enquiries@greenblueurban.com

W: www.greenblue.com