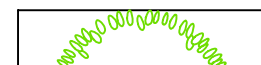


KEY



TREE PLANTING



HEDGE PLANTING



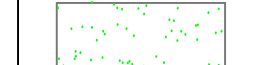
ORNAMENTAL SHRUB PLANTING



ORNAMENTAL 25L SHRUB



CLIMBERS, SUPPLIED READY TRAINED ON FAN TRELLIS



TURF (CLOSE MOWN)



GRASS SEED A22 (CLOSE MOWN)



BULBS



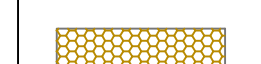
WILDFLOWER SEED MIX EM1 & EC1



WILDFLOWER SEED MIX EM8



WILDFLOWER TURF



DECORATIVE GRAVEL / SLATE CHIPPINGS OVER MEMBRANE

ALL LOOSE MATERIAL TO BE LAID OVER A WEED CONTROL MEMBRANE AND HAVE LANDSCAPE TIMBER EDGING

PLANT SCHEDULE

Trees	Abbreviation	Species	Height	Girth	Specification	Pot Size	Number of Plants
ACST	Acer campestre	'Street Wise'	425-600cm	14-16cm	Extra heavy standard 3x	C	8 -
ALG	Alnus glutinosa	'Aureum'	425-600cm	14-16cm	Extra heavy standard 3x	C	6 -
BEPE	Betula pendula		425-600cm	14-16cm	Extra heavy standard 3x	C	4 -
BU	Betula utilis jacquemontii		425-600cm	14-16cm	Extra heavy standard 3x	C	5 -
CARBT	Carpinus betulus		425-600cm	14-16cm	Extra heavy standard 3x	C	3 -
CBF	Carpinus betulus 'Fastigiata'		425-600cm	14-16cm	Extra heavy standard 3x	C	4 -
PcC	Pyrus calleryana 'Charitidee'		425-600cm	14-16cm	Extra heavy standard 3x	C	6 -
PP	Prunus laurocerasus		425-600cm	14-16cm	Extra heavy standard 3x	C	3 -
PRUBS	Prunus 'Sunset Boulevard'		425-600cm	14-16cm	Extra heavy standard 3x	C	7 -
SA	Sorbus aucuparia		425-600cm	14-16cm	Extra heavy standard 3x	C	2 -
SOAR	Sorbus aria		425-600cm	14-16cm	Extra heavy standard 3x	C	3 -
Total							51 -

Native Hedge Mix	Abbreviation	Species	Height	Girth	Specification	Pot Size	Number of Plants
IEA	Ilex aquifolium		60cm	10cm			155 -
ROSA	Rosa arvensis	Transplant 1+1	60cm	10cm			155 -
ROSCA	Rosa canina	Transplant 1+1	60cm	10cm			155 -
CORAV	Corylus avellana	Transplant 1+1	60cm	20%			310 -
PRUSP	Prunus spinosa	Transplant 1+1	60cm	20%			310 -
CRAMON	Crataegus monogyna	Transplant 1+1	60cm	30%			464 -
Total							1549 -

HEDGES - To be planted in a single row and maintained to a height of BUX 0.4	LOA & PLA	2m					
BUX	• Buxus sempervirens 'Suffruticosa'	-	-	-	-	20-30	5L
LOA	• Ligustrum ovalifolium 'Aureum'	-	-	-	-	60-80	5L
PLA	• Prunus laurocerasus	-	-	-	-	60-80	5L
CLIMBERS - Supplied ready trained on fan trellis							
HEDCO	• Hedera colchica	-	-	-	-	60-80	5L
Hp	• Hydrangea petiolaris	-	-	-	-	60-80	5L
SHRUBS							
CSB	• Cornus alba 'Sibirica'	-	-	-	-	25L	1
EJA	• Euryomyus japonicus 'Ovatus Aurea'	-	-	-	-	25L	1
PBB	• Phytolium 'Bronze Baby'	-	-	-	-	25L	1
PTV	• Phytolium tenax 'Variegata'	-	-	-	-	25L	1
PRR	• Photinia x fraseri 'Red Robin'	-	-	-	-	25L	1
PL	• Prunus laurocerasus	-	-	-	-	25L	1
SCO	• Sarcococca confusa	-	-	-	-	25L	1
VBT	• Viburnum tinus	-	-	-	-	25L	1
AV	• Aucuba japonica 'Variegata'	-	-	-	-	60-80	10L
EEL	• Eleagnus ebbingei 'LimeLight'	-	-	-	-	60-80	10L
EOA	• Euryomyus japonicus 'Ovatus Aurea'	-	-	-	-	60-80	10L
ISQ	• Ilex aquifolium 'Silver Queen'	-	-	-	-	60-80	10L
MC	• Mahonia 'Charity'	-	-	-	-	60-80	10L
PFF	• Pieris 'Forest Flame'	-	-	-	-	60-80	10L
PLU	• Prunus laurocerasus	-	-	-	-	60-80	10L
RSK	• Ribes sanguineum 'King Edward VII'	-	-	-	-	60-80	10L
FJ	• Fatsia japonica	-	-	-	-	40-60	5L
LAV	• Lavandula angustifolia 'Vera'	-	-	-	-	40-60	5L
LNB	• Lonicera nitida 'Baggesens Gold'	-	-	-	-	40-60	5L
PE	• Potentilla 'Elizabeth'	-	-	-	-	40-60	5L
PLO	• Prunus laurocerasus 'Otto Luyken'	-	-	-	-	40-60	5L
SR	• Skimmia japonica 'Rubella'	-	-	-	-	40-60	5L
BTR	• Berberis thunbergii 'Atropurpurea Nana'	-	-	-	-	30-40	3L
BCO	• Berberis cordifolia	-	-	-	-	30-40	3L
EEG	• Euonymus thuyifolius repens	-	-	-	-	30-40	3L
CET	• Euonymus fortunei 'Emerald and Gold'	-	-	-	-	30-40	3L
ESQ	• Euonymus fortunei 'Silver Queen'	-	-	-	-	30-40	3L
HRE	• Hebe albanica 'Red Edge'	-	-	-	-	30-40	3L
HEP	• Hebe pinguifolia 'Page'	-	-	-	-	30-40	3L
LAVST	• Lavandula stoechas	-	-	-	-	30-40	3L
MAP	• Mahonia aquifolium 'Apollo'	-	-	-	-	30-40	3L
SJA	• Senecio 'Sunshine'	-	-	-	-	30-40	3L
SS	• Spiraea japonica 'Anthony Waterer'	-	-	-	-	30-40	3L
VDV	• Viburnum davidii	-	-	-	-	30-40	3L

- Plants for pollinators (RHIS) EHS: Extra heavy standard X: Times transplanted C: Container grown

WILDFLOWER SEED - To be sown at a rate of 5g/M ²	All wildflower areas to have 1M wide close mown grass edge adjacent roads and footpaths. Seeded with grass mix A22.
EM1 - Basic General Purpose Meadow Mixture	
EC1 - Standard Cornfield Mixture EM1 & EC1 mixed	
Available from Emorsgate Seeds Tel: 01553 829 028 or similar approved.	
WILDFLOWER SEED - To be sown at a rate of 5g/M ²	All wildflower areas to have 1M wide close mown grass edge adjacent roads and footpaths. Seeded with grass mix A22.
EM8 - Meadow Mixture for Wetlands	
Available from Emorsgate Seeds Tel: 01553 829 028 or similar approved.	
GRASS SEED - To be sown at a rate of 50g/M ²	
A22 Hard Wearing, Low Maintenance. Available from Germinall GB Ltd. Tel: 01522 868714 (or similar approved)	

BULB MIX - to be planted in species groups of 10-20 @ 20m sq.

Botanical Name	
Crocus nudiflorus 20%	
Crocus vernalis 20%	
Crocus nivialis 10%	
Narcissus pseudonarcissus 40%	

WILDFLOWER TURF	All wildflower areas to have 1M wide close mown grass edge adjacent roads and footpaths. Seeded with grass mix A22.
Meadowscape Pro Native Enriched	
Available from Wildflower Turf Tel: 01296 771 222 or similar approved. Refer to supplier for specification.	

SPECIFICATION

GROUND PREPARATION - GENERAL

Preparing for topsoiling

Grading and cultivation shall be in accordance with BS 4248:1998 section 4. Subject that it is to receive topsoil that, whether obviously uncompacted or not, be thoroughly broken up by hand by heavy roller, by subsoiler or other equipment with adequate passes made to thoroughly break up the surface to a depth of 100mm, cleared of all large stones, bricks, pavement weeds, tree roots (excluding living tree roots), coarse vegetation and other extraneous matter.

Soil preparation

Soil shall only be graded after loosening as above, and this shall be undertaken by the use of a tractor and blade grader on large areas and by a small mechanical grader or by hand on small areas. Ground shall at all time be covered by heavy machinery. To grading for any other purpose or subsoiling and/or topsoiling has taken place.

Making up levels

When subsoil is deposited in long bays to raise formation levels, it shall be lightly consolidated and left broken up ready to receive topsoil. Imported fill material shall be natural subsoil free from mud, concrete or organic material with an average dimension greater than 100mm. All imported fill material shall be approved by the Landscape Architect prior to spreading on site.

Supply of topsoil

Topsoil to be supplied shall be approved by the Landscape Architect and details of the source of supply shall be provided in order that inspection may be made before delivery commences. Topsoil conform to BS 3883:2015. Recommendations and classification for topsoil, class 4. The soil shall be free of weeds, roots or perennial weeds, pests, diseases, debris, tree roots, sticks, and foreign matter and shall be capable of being broken down to a 1m thick.

Temporary topsoil storage

The stacking of temporary heaps of topsoil shall be so arranged that possible damage to existing grass, plants, ferns, etc., is avoided. Unless otherwise agreed by the Landscape Architect, the temporary storage of topsoil shall be in accordance with BS 3883:2015. Topsoil shall be spread in an evenly consolidated layer and shall be left cleared of all roots, stones and debris with any area dimension greater than 50mm throughout its depth. Unless otherwise stated the finished level shall be 25mm above adjacent hard areas. No topsoil shall be spread until the subsoil grade has been inspected by a Landscape Architect.

Spreading topsoil

Prior to topsoil replacement the formation level shall be cleared of all stones, rubbish, debris with any area dimension greater than 75mm. Areas to be seeded or turfed shall be covered by topsoil 100mm thick and areas to be planted shall be covered by topsoil 300mm thick. Topsoil shall be spread in an evenly consolidated layer and shall be left cleared of all roots, stones and debris with any area dimension greater than 50mm throughout its depth. Unless otherwise stated the finished level shall be 25mm above adjacent hard areas. No topsoil shall be spread until the subsoil grade has been inspected by a Landscape Architect.

Cultivation

Plants shall be cultivated to a depth of 220mm in the original ground, or where the ground is compacted, topsoiled and subsoiled. This shall be done by means of a tractor, roller, roller and all other debris which have any dimensions greater than 50mm and remove off site to tip. Do not cultivate across any drain where the stone is large with the ground surface.

Soil improvers

Where directed compost, fertiliser or other additives shall be incorporated into the soil. Spent mushroom compost or similar shall be spread to the specified thickness and incorporated, by raking, into the top 150mm. Fertilisers, organic or inorganic, shall be raked into the top 25mm.

Rejection of plants

All plant material should comply with the minimum requirements in BS 3036-1:1992 Specification for trees and shrubs and BS 3036-4:2007 Specification for forest trees and BS 6545:2014 Trees from Nursery to Independence in the Landscape. Any plant material, which is the subject of the Landscape Architect, does not meet the requirements of the Specification, or is unsuitable, defective in any other way, will be rejected. The minimum specified sizes in the plant schedule will be strictly enforced. The contractor shall be responsible for all plants rejected at the on-site inspection.

Planting

All plant material shall generally be planted between November and March in open cold weather. Planting shall not take place in frosty, early or waterlogged conditions. Where approved, pot or container grown plants may be planted outside the specified season, but adequate watering shall be supplied. Pot or damaged roots and branches shall be clearly pruned prior to planting.

Planting of whips, transplants and shrubs

The nature of the material to be planted is variable and the contractor shall allow for plants to be properly carried out in all cases as described in BS 4428:1988 section 7. Any tree planting section 8 (broadleaf planting and section 9 (planting of shrubs, herbaceous and tubs). All plants shall be planted at same depth, or very slightly deeper, as they were grown. Plants shall not be bent, broken or forced into inadequate pits or holes. Plants shall be planted in the ground with the correct spacing and shall be carefully removed prior to planting. All pits and wrappings arising shall immediately be packed up and stored ready for removal to tip. Plants shall be planted at the specified centres. On steep slopes this shall be in the horizontal direction.

Tree planting within soft landscape areas

Trees shall conform to BS 3036-1:1992 and be planted in tree pits of the following sizes unless otherwise directed:
Establishment trees: 300 x 300 x 400
Selected standards: 1000 x 1000 x 600
Heavy standards/Extra heavy standards: 1200 x 1200 x 600
Establishment trees in the bottom 200mm of the pit shall be dug and broken up. The bottom of the pit shall be backfilled with subsoil (pale or imported) to comply with BS 6801:2013. The top 200mm of the pit shall be backfilled with imported topsoil as specified unless directed otherwise.

Compost for planting pits

Compost shall be a proprietary product, bark based incorporating fertilisers and improving additives. The type of compost shall be approved before delivery on site, and the details of the product shall be supplied. Compost planting compost is approved. Where directed compost shall be added to and mixed with topsoil backfill at the following rates:
Establishment trees: 40 litres
Selected standards: 60 litres
Heavy standards/Extra heavy standards: 80 litres

Stakes for trees

Stakes shall be pointed round offwood, pointed, minimum diameter 75mm. The stakes shall be driven into the base of the tree prior to planting the tree and backfilling. Stakes shall be placed in a line 1m high above the finished ground level in the bottom 200mm of the pit. Where trees are planted with grass or coarse weed rough mat in required beneath the type of rough at the diameters stated above, secured with fixing pegs. The tree pit surface shall be as big as possible.

Ties for rootball and container grown trees

Ties for rootball and container grown trees shall be 50mm rubber tree ties in a figure of eight around the tree. Fixed to the stake with two flat head galvanised nails. Fasteners: one flat head nail
Selected standards: two flat head nails
Heavy standards/Extra heavy standards: two flat head nails

Planting of trees

The tree shall be set upright and at the same depth as grown in the nursery, the roots shall be spread out (barrowed) and the soil followed by compost topsoil backfill at the following rates:
Establishment trees: 40 litres
Selected standards: 60 litres
Heavy standards/Extra heavy standards: 80 litres

Laying around trees

Turf shall be laid to within 300mm of any tree trunk.

Watering

All areas to be turfed shall be cultivated to a depth of at least 100mm, all weeds, stones and refuse larger than 50mm shall be removed to Contractor's pit, and shall be brought to a fine 9th. After storage across and the joints open, the topsoil shall be treated in wet and watered.

Protection to existing trees

The recommendations in BS 5837:2012, Trees in Relation to Design, Demolition & Construction must be complied with at all times. No pruning, topping, felling or severance of trees is to take place without prior consent of the local authority.

Grass seeding and maintenance

Any work in the existing trees is to be carried out by a qualified tree surgeon. The position and construction of protective fencing shall be agreed with the local authority prior to any site works commencing. Under no circumstances must any material be stored under the canopy of existing trees, and no cutting, disposal or stored material.

Seeding

Seeding shall be carried out during calm weather. All sowing is at the contractor's own risk and any areas where germination fails shall be re-seeded at the contractor's own expense. The operation should be carried out in equal widths and transverse directions and the seed shall be raked or harrowed in to the soil to a depth of 10mm. The seed shall be at a rate of 50g per square metre.

Seed mix

The seed mix shall be A22 mix, obtainable from Germinall Seeds GB. The seed mix shall be the composition, purity and germination as specified in BS 4428:1988. Certificates of purchase shall be provided for all deliveries prior to the sowing of grass seed sowing source, mixture, purity and germination percentages. Alternative cultures of the above species may only be used if approved by the landscape architect.

Protection of newly seeded areas

All reasonable precautions shall be taken to ensure that pedestrian and other traffic does not cross the grass areas during cultivation, seeding or until grass is established. Where obvious 'Soft cutting' is occurring, the contractor shall erect an approved temporary fence to so as to minimise the maintenance period or until such time as it is no longer necessary, or as directed.

First cut

When the grass is 100mm high, it shall be cut down to 50mm so as to avoid root pulling. If the grass has been allowed to grow longer than 100mm then the cuttings shall be raked off and taken off site.

Subsequent cuts

Thereafter, when the grass grows to 100mm high, it shall be cut down to 50mm with a full type mower, until the end of the maintenance period, or longer if so directed. The grass shall be cut on a regular basis as directed.

Making good

Any effects such as sinkings, ponding, sparse germination or disease shall be made good and re-seeded as above.

Damage to Existing Grass

The contractor will be responsible for cultivation, seeding and maintenance, as above all areas of existing turf that are damaged during the course of the works for drainage, working areas, transport of materials according to those areas which are specifically defined and measured in the contract. Any areas, which in the opinion of the Landscape Architect, are considered damaged during the course of these works, shall be loosened with a ripper or other suitable implement to ensure adequate drainage through the sub soil.

Wildflower seeding and maintenance

Preparation for seeding: No seed shall be imported to the wildflower areas and seed shall be sown in good quality, dry free sub-soil. The area shall be cultivated to 100mm depth and all weeds, stones, and refuse larger than 50mm shall be removed to tip. Cultivation of subsoil to occur beneath existing tree canopies. Cultivated subsoil shall be filled and mixed to produce a 100mm deep and for 2-3 weeks to allow existing weeds in the seed bank to germinate. After 2-3 weeks, a spray of the newly germinated weeds will be carried out to die back and then raised off. Seed sowing must be undertaken immediately after the area has been prepared and weeds removed. Lightly watering areas before seeding. Seed shall be sown during late August or September or if it is not possible, during April to May.

Wildflower seeding

Seed shall be sown during calm weather. All sowing is at the contractor's own risk and any areas where germination fails shall be re-seeded at the contractor's own expense. The operation should be carried out in equal widths and transverse directions. The seed mix shall be as above and the seed shall be raked or harrowed in to the soil to a depth of 10mm. The seed shall be at a rate of 50g per square metre.

Wildflower seed mix

Seed the wildflower seed available from Emorsgate Wild Seeds. Certificates of purchase shall be provided for all deliveries prior to the sowing of the wildflower mix, sowing source, mixture, purity and germination percentages. Sources must be of indigenous stock.

Protection of newly seeded wildflower areas

All reasonable precautions shall be taken to ensure that pedestrian and other traffic does not cross the wildflower areas during cultivation, seeding or until grass is established. Where obvious 'Soft cutting' is occurring, the contractor shall erect an approved temporary fence to so as to minimise the maintenance period or until such time as it is no longer necessary, or as directed.

First cut of wildflower meadow

Areas seeded during August to September shall be cut lightly in the spring using a full mower, or strimmer, when the meadow reaches a height of 100mm. Areas seeded during April to May shall be cut in October when flowering is over. In both cases, all cuttings shall be raked up and removed from site.

Subsequent cuts

Meadow cuttings shall be undertaken, with a full mower or strimmer, when flowering is over, twice annually during July to August and September to October. All cuttings shall be raked up and removed.

Making good

Any effects such as sinkings, ponding, sparse germination or disease shall be made good and re-seeded as above.

Weeding

At appropriate time, remove plants to remove dead, dying or diseased wood and suckers to promote healthy growth and natural shape.

Watering

The contractor shall ensure that sufficient water is applied to maintain healthy growth.

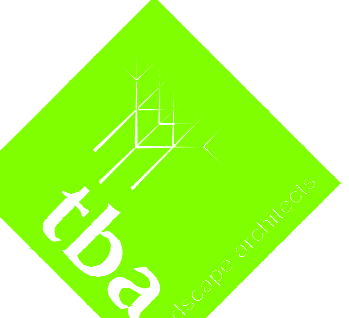
Litter

Litter to be kept free of litter.

Grass cutting

The initial cut shall be carried out when first growth is apparent, blades set 20mm above ground. The Contractor shall continue cutting at appropriate intervals during the growing season and maintain 50mm high weed cut grass areas as handed over. Weeding, weeding, cutting, repair of all erosion and settlement and re-seeding as necessary to establish a uniform and healthy sward of grass shall continue until handed over to the householder.

Amends to latest layout	28.01.21	NC	A
No dimension to be used from this drawing	Date	Drawn	Rev
Copyright reserved			



Landscaping Architecture

Arbiculture

Trevor Bridge Associates Ltd

Arbiculturist Ltd

Stamford Street West

Arbiculturist Ltd

Arbiculturist Ltd

Arbiculturist Ltd

Arbiculturist Ltd

Arbiculturist Ltd

Arbiculturist Ltd

Arbiculturist Ltd