

Planting Schedule						
Trees						
Abbreviation	Species	Height	Grth	Specification	Pot Size	Number of Plants
BP	Betula pendula	350-425cm	12-14cm	Heavy Standard: 3x	RB	1
MALDOWA	Malus 'John Downie'	350-425cm	12-14cm	Heavy Standard: 3x	RB	3
PAM	Prunus 'Amanogawa'	350-425cm	12-14cm	Heavy Standard: 3x	B	4
SJR	Sorbus 'Joseph Rock'	350-425cm	12-14cm	Heavy Standard: 3x	B	4
						Total :12 -

Hedges						
Abbreviation	Species	Specification	Height	Pot Size	Density	Length
BS	Buxus sempervirens	Single row	30-40cm	SL	4/m	23.2438m
FS	Fagus sylvatica	Double staggered row	60-80cm	B	6/m	131.0548m
PLO	Prunus laurococcus 'Otto Luyken'	Single row	60-80cm	SL	4/m	12.6947m
						Total :167.8969m
						Total :948 -

Shrubs						
Abbreviation	Species	Specification	Density	Height	Pot Size	Area
AJV	Aucubia japonica 'Variegata'		4/m²	40-60cm	SL	4.9887m²
BCO	Bergenia cordifolia		6/m²	20-30cm	SL	9.8851m²
CAB	Ceanothus 'Autumnal Blue'		4/m²	40-60cm	SL	3.6603m²
EEG	Eucynymus fortunei 'Emerald 'n' Gold'		6/m²	20-30cm	SL	10.2601m²
ESQ	Eucynymus fortunei 'Silver Queen'		6/m²	30-40cm	SL	5.339m²
EUEG	Eucynymus fortunei 'Emerald Gaiety'		6/m²	20-30cm	SL	3.1532m²
HEP	Hebe pinguifolia 'Plage'		6/m²	30-40cm	SL	4.7871m²
HH	Hypericum 'Hidcote'		6/m²	30-40cm	SL	3.7084m²
HMW	Hebe 'Mrs Winder'		6/m²	30-40cm	SL	14.4153m²
LAV	Lavandula angustifolia 'Vers'		6/m²	30-40cm	SL	7.5611m²
MAP	Matrona aquifolium 'Apoth'		5/m²	30-40cm	SL	2.0326m²
PFF	Pieris 'Forest Flame'		4/m²	40-60cm	SL	5.4588m²
SKJ	Skimmia japonica		6/m²	30-40cm	SL	12.164m²
SS	Sorbus 'Sunburst'		6/m²	30-40cm	SL	4.7867m²
VD	Viburnum davidii		6/m²	30-40cm	SL	9.9777m²
						Total :102.2301m²
						Total :2.2301m²

Native Hedge Mix - Double Staggered row						
Abbreviation	Species	Specification	Height	Pot Size	Density	Mix Species Contribution
ROSA	Rosa arvensis	Transplant 1+1	60-80cm	B	6/m	5%
ROSCA	Rosa canina	Transplant 1+1	60-80cm	B	6/m	5%
ILEA	Ilex aquifolium	Container	60-80cm	SL	6/m	10%
CORAV	Corylus avellana	Transplant 1+1	60-80cm	B	6/m	25%
PRUSP	Prunus spinosa	Transplant 1+1	60-80cm	B	6/m	20%
CRAMON	Crataegus monogyna	Transplant 1+1	60-80cm	B	6/m	40%
						Total :100%
						Total :99.8836m
						Total :600 -

Climbers						
Abbreviation	Species	Specification	Height	Pot Size	Number of Plants	
CMO	Clematis montana	Ready trained on trellis	60-80cm	SL	4	
						Total :4 -

Bulb Mix						
Abbreviation	Species	Density	% Contribution	Area	Number	
CROCHBP	Crocus chrysanthus 'Blue Pearl'	20/m²	20%	5.5781m²	112	-
CROCHCB	Crocus chrysanthus 'Cream Beauty'	20/m²	10%	2.788m²	56	-
CROCHSB	Crocus chrysanthus 'Snow Bunting'	20/m²	30%	6.3641m²	168	-
NARTT	Narcissus 'Tete a Tete'	20/m²	40%	11.1522m²	224	-
						Total :27.8804m²
						Total :560 -

Native Hedge Mix No Blackthorn						
Abbreviation	Species	Specification	Height	Pot Size	Density	Mix Species Contribution
CORAV	Corylus avellana	Transplant 1+1	60-80cm	B	6/m	25%
CRAMON	Crataegus monogyna	Transplant 1+1	60-80cm	B	6/m	40%
ILEA	Ilex aquifolium	Container	60-80cm	SL	6/m	15%
ROSA	Rosa arvensis	Transplant 1+1	60-80cm	B	6/m	10%
ROSCA	Rosa canina	Transplant 1+1	60-80cm	B	6/m	10%
						Total :100%
						Total :31.783m
						Total :194 -

WILDFLOWER SEED MIXES - To be sown at a rate of 4g/m².

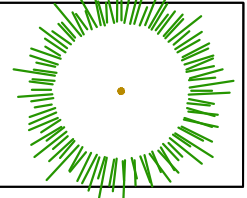
EM1 - Basic General Purpose Meadow Mixture.
www.wildseed.co.uk/product/mixtures/basic-general-purpose-meadow-mixture

AMENITY GRASS SEED MIX - To be sown at a rate of 50g/m².

A22 - Hard Wearing, Low Maintenance.
www.geminalamenity.com/a22-low-maintenance

Available from Germinal GB Ltd. Tel: 01522 868714 (or similar approved)

KEY



PROPOSED TREE PLANTING



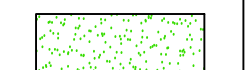
HEDGE PLANTING



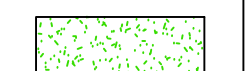
NATIVE HEDGE PLANTING



ORNAMENTAL SHRUB PLANTING



TURF (CLOSE MOWN)
-256m2



A22 GRASS SEED (CLOSE MOWN)
-342m2



BULBS



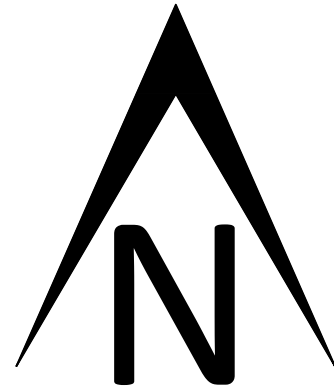
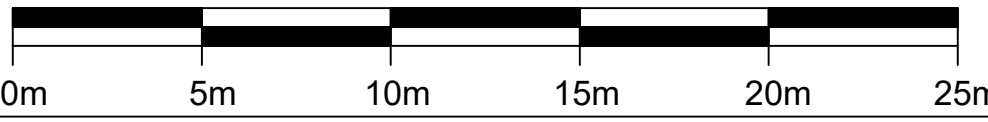
WILDFLOWER SEED MIX - EM2
GENERAL MEADOW MIXTURE
-438m2



CLIMBERS



SCALE : 1:200



SPECIFICATION

GROUND PREPARATION - GENERAL

Preparing for topsoiling

Grading and cultivation shall be in accordance with BS 4428:1989 section 4. Subsoil that is to receive topsoil shall whether concourse/uncompacted or not, be thoroughly broken up by hand by heavy rotavator, or subsoiler or front equipment with adequate passes made to thoroughly break up the surface to a depth of 150mm, cleared of all large stones, bricks, concrete rubble, tree roots (excluding living tree roots), coarse vegetation and other extraneous material.

Subsoil grading

Subsoil shall only be graded after loosening as above, and this shall be undertaken by the use of a tractor and blade grader or large areas and by a small mechanical grader or hand-operated machine.

When subsoil is reported to have long areas to cause formation levels, it shall be lightly subsoiled and left to settle for 24 hours before being topsoiled. Topsoil BS material shall be natural subsoil free from metal, concrete or organic material with any one 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 shall conform to BS 3883:2013. Recommendations and classification for topsoil, caused by 10 to 100 shall be free of weeds, tree stumps, general weeds, pests, diseases, debris, tree roots, sticks, subsoil and foreign matter and shall be capable of being broadcasted for the site.

Temporary topsoil heaps

The depositing of temporary heaps of topsoil shall be so arranged that possible damage to existing grass, plants, laminae, paving etc, is avoided. Unless otherwise agreed by the Landscape Architect, temporary spoil heaps shall be on protected ground. Such protection shall take the form of geotextiles, plastic sheeting, boards or concrete covering. If damage does occur, it shall be made good at the contractor's own expense. Areas excavated to receive topsoil but have not been fully loosened shall not be used as temporary off-loading areas if the bottom of the excavation has been loosened or, loading on these areas is permissible.

Spreading topsoil

Prior to topsoil replacement the formation level shall be cleared of all stones, rubbish, debris etc. Prior to topsoil replacement greater than 100mm shall be cleared or further 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 considered layer and be laid on top of all existing stones and debris with any one dimension greater than 50mm throughout its depth. Unless otherwise stated the finished level shall be 20mm above natural hard-core. No topsoil shall be spread until the subsoil grade has been inspected by a Landscape Architect.

Cultivation

Planting areas shall be subsoiled to a depth of 225mm in the original ground, or where the ground is compacted, ripper and subsoiled. Pick off stones, bricks, timber and all other debris among which have any one dimension greater than 50mm and remove off site by Do. Do not use any area across any drain where the stone is flush with the ground surface.

Soil layers

Where directed compacts, ballstones 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 sown into the top 20mm.

Rejection of plants

All plant material must comply with the minimum requirements in BS 3058:1 1992. Specification for trees and shrubs and BS 3058:2 2007 Specification for small trees and BS 3042:2014 Trees from Nursery to independence in the Landscape. Any plant material, which in the opinion of the Landscape Architect, does not meet the requirements of the above specification, or is unsuitable or otherwise defective, shall be rejected. Plants of the same species specified in the plant schedule will be evenly reworked. The contractor shall replace all plants rejected at his own cost.

Planting

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

Planting of white, transparents and shrubs

The values of the material to be planted shall be available at the contractor shall allow for planting to be properly carried out at all dates as indicated in the schedule. All plants shall be tree planting, section 8. Woodland planting and section 9. Planting of shrubs, herbaceous plants, etc. All plants shall be planted in the ground, and not in pots or containers. Plants shall not be bent, broken or forced into inadequate pits or niches. Plants shall be single, firm and not over-matured, with no potests, root rot, etc. All pits shall be made to receive plants and be carefully removed prior to planting. All pots and wrapping string shall be removed and plants shall be planted in the ground. Plants shall be planted at the specified centres. On steep slopes this shall be in the horizontal measure.

Tree planting within soft landscape areas

Plants shall conform to BS 3058:1 1992 and be planted in tree pits of the following sizes unless directed otherwise:
Fastest trees - 300 x 300 x 450
Selected standards - 1000 x 1000 x 600
Heavy standards/Extra heavy standards - 1200 x 1200 x 600
Extensive values of trees shall be to be the bottom 25mm of the pit shall be dug and broken up. The bottom of the pit shall be backfilled with topsoil (or as imported) to comply with BS 3883:2013. The top 25mm of the pit shall be backfilled with imported topsoil as specified unless directed otherwise.

Compost for planting pits

Compost shall be a proprietary product, bank topped incorporating fertilisers and improving additives. The type of compost shall be approved before its delivery on site, and the details of the product shall be supplied. Contains slating compost is approved. Where directed compost shall not be used and mixed with topsoil backfill at the following rates:
Fastest trees - 40 litres
Heavy standards/Extra heavy standards - 80 litres

Stakes for trees

Stakes shall be sealed round softwood, treated, minimum diameter 10mm. The stakes shall be driven into the base of the tree pit prior to placing the tree and backfilling.
Stakes shall in general have a cross-hatch above the finished ground level as follows unless directed otherwise:
Fastest trees - 750mm (1 stake)
Selected standards - 900mm (2 stakes)
Heavy standards/Extra heavy standards - 1200mm (2 stakes)
The stake shall be long enough to drive until they hold the tree firmly without rocking.

Tree ties

Tree ties shall be environmentally friendly 'NATURETIE' tree ties sourced through Green-Tie, or other equal and approved. Tree ties shall not be over tight on the tree stems. Tree ties shall be made from Green-Tie, Rubber Hill Business Park, Great North Road, Newcastle, NE2 9FF. Tree ties shall be a tie per stake.

Planting of trees

The tree shall be laid upright and at the same depth as grown in the nursery, the roots shall be spread out (barned) and the tree followed by compact topsoil mixture, backfilled. Backfilling should be done to ensure close contact between roots and by firming in layers (barned). The root shall be left level and tidy, any exposed roots, sticks or stems over 50mm arising, collected and cut off site.

Mulching

A 75mm compacted layer of medium grade perlitever bed, with a particle size of not more than 100mm and containing no more than 10% fines, shall be spread 100mm thick, covering the whole of the bed, or in the case of slatted trees, within grass shall be in the form of a circle of 300mm diameter around the base of the tree. The tree and the mulch shall be matched in the form of a 300mm diameter circle around the base of the tree. Where trees are planted in grass a circular mulch shall be placed at the base of the tree. The mulch shall be matched at the diameters stated above, secured with filing pegs. The tree pit surface shall be as high as possible.

Planting of Bulbs

Bulbs shall not be allowed to dry out and shall be free of pests, diseases and fungus. Bulbs should be planted immediately upon delivery to site, if stored, the shall be for the minimum period in a dark, well-ventilated, protected area at 10-21 degrees Celsius. Certificates of purchase shall be provided upon inspection. Bulbs are to be planted, according to species and in the areas shown on the soft landscape plan. Where planting is required in drifts, bulbs are to be scattered randomly over the allocated area and planted where they fall at the depth stated and shall be in contact with the soil at the base of the hole. The hole shall be backfilled with topsoil and gently firmed in place. If bulbs are to be planted in existing turf areas, turf to be readily removed and replaced after planting and re-firmed.

TURFING

Soil preparation and cultivation
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, soil shall be brought to a fine tilth. Allow for hand cultivation where machine work is not possible.

Turf

Turf shall be extra-quality meadow turf and shall comply to BS 3669:1988-04:1 2013 and shall be laid in accordance with BS 4428:1989, section 4. Turfing. The Contractor shall supply a sample of turf for the proposed use to be approved by the Landscape Architect and shall ensure that all turves are similar to the approved sample. The Contractor shall inform the Landscape Architect of the location of the supply, so that turf can be inspected prior to lifting.

Season

Turf shall be laid when weather and soil conditions are suitable and, where possible, preference should be given to autumn and early winter operations. No turf shall be laid in exceptionally dry or frosty weather or in other unsuitable weather conditions.

Delivery and stacking

For large areas, turf shall be delivered at appropriate intervals throughout the work so as to avoid stacking for long periods.

Laying

Turf shall be laid until the soil preparation has been satisfactorily completed by being brought to an even tilth and firmness. Turves from the stack shall be wheeled to turf layers on plants laid closely side by side. Adequate tension pegs shall be used to support operators and corners, and provide access. The turves shall be laid in consecutive rows with tension pegs (stretchers) bound, closely butted and to the correct levels. The turf shall be laid at plants working over turves previously laid. Where necessary, the turves shall be lightly and evenly firmed with wooden beaters, the bottom of the beaters being frequently scraped clean of accumulated soil or mud. A dressing of freely sifted topsoil shall be applied and well worked into the turves. Any requisites or treated levels using to vegetation turf thickness or uneven consolidation of turf shall be adjusted by sifting and/or padding the soil under the turf. A roller shall not be used. The finished levels of the turf shall conform to the levels indicated, allowing for final settlement. Turf edges and margins shall be laid with whole turves. Turves adjoining buildings, walls or fences shall be taken to the foot of the structure, giving complete and even.

Laying around trees

Turf shall not be laid to within 300mm of any tree trunk.

Watering

The Contractor shall be responsible for the replacement of any scorched turf. All necessary watering shall be carried out with sprinklers or oscillating sprays so as not to wash soil out of pits. If shrinkage occurs and the joints open, the topsoil shall be brushed in and well watered.

MAINTENANCE

All maintenance to be carried out up to handover to the adopting authority/ householder from the date of planting and turfing to ensure successful establishment. All dead, diseased, damaged plants must be replaced during this time unless the Local Planning Authority states, in writing, any variation to this.

Watering

All beds to be kept weed free by hand weeding. Beds to be forked over as necessary to keep soil loose to approved caribers with no hollers.

Plant

At appropriate time, prune 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

Site to be kept free of litter.

Grass cutting

The initial cut shall be carried out when first growth is apparent, blades not 20mm above ground. The Contractor shall continue cutting at appropriate intervals during the growing season and maintain short grass. Areas of high grass shall be mowed over. Weeding, watering, cutting, repair of all erosion and settlement and re-seeding as necessary to establish a healthy and healthy stand of grass shall continue until handover to the householder.

GRASS SEEDING AND MAINTENANCE

Soil Preparation and Cultivation

Soil grading of topsoil shall be agreed by the Landscape Architect before cultivation and seeding. All areas to be seeded shall be cultivated to 100mm depth and all weeds, stones, and refuse larger than 50mm shall be removed to tip. Cultivated soil shall be rolled and rolled to produce a fine 25mm deep. Allow for hand cultivation where machine work is not possible.

Seeding

Seeding shall be carried out during calm weather. All seeding at the contractor's own risk and any areas where germination fails shall be reseeded at the contractor's own expense. The operation should be carried out in equal sowings and transverse directions and the seed shall be sown in a regular grid. Seeding shall be at the rate of 20 grammes per sq.m. and overseeding shall be at a rate of 20 grammes per sq.m.

Seed Mix

The seed mix shall be A22 mix, obtainable from Geminal Seeds GB. Grass seed shall be of the composition, purity and germination as specified in BS 4428:1989. Certificates of purchase shall be provided for all deliveries prior to the sowing of grass seed.

Alternative culture 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 cause the grass areas during cultivation, seeding or until grass is established. Where obvious 'Short cutting' is occurring, the contractor shall erect an approved temporary fence 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 not pulling. If the grass has been allowed to grow any longer than 125mm then the cuttings shall be raked off and taken off site.

Second Cut

When the grass is 60mm high a second cut shall be carried out using a roller mower. No more than one third of the foliage must be removed.

Subsequent cuts

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

Making Good

Any defects such as shrinkage, ponding, sparse germination or disease shall be made good and re-seeded at all above.