

# Planting Schedule & Notes

753 Former Vickers Factory, Glossop Road, Gamesley

PLANTING SCHEDULE @12th April 2018

Species	% or Code	Form	Overall Height	No. /sqm	Root Condition /Size	Notes
<i>Frontage Trees A</i>						
Quercus palustris	50%	Standard, Semi-mature	250-300cm	/	RB	
Tilia cordata 'Streetwise'	50%	Standard, Semi-mature	250-300cm	/	RB	
<i>Frontage Trees B (Secondary Street)</i>						
Sorbus aucuparia 'Streetwise'	50%	Standard, Semi-mature	250-300cm	/	RB	
Tilia cordata 'Streetwise'	50%	Standard, Semi-mature	250-300cm	/	RB	
<i>Marker Trees C (Tertiary Street)</i>						
Cercidiphyllum japonica	50%	Semi-mature	20-25cm		BR	
Prunus serrula	50%	Standard, Semi-mature	250-300cm	/	RB	
<i>Marker Trees D (Shared Streets)</i>						
Acer campestre 'Streetwise'	20%	Semi-mature	20-25cm	/	BR	
Sorbus intermedia	20%	Semi-mature	20-25cm	/	BR	
Malus 'Evereste'	20%	Semi-mature	20-25cm	/	BR	
Sorbus aria	20%	Semi-mature	20-25cm	/	BR	
Corylus avellana	20%	Semi-mature	20-25cm	/	BR	
<i>Marker Trees E (Parking Courts)</i>						
Amelanchier lamarckii	25%	Multistemmed	250-300cm	/	BR	
Malus domestica	25%	Semi-mature	20-25cm girth	/	BR	
Prunus avium 'Plena'	25%	Semi-mature	20-25cm girth	/	BR	
Corylus avellana	25%	Semi-mature	20-25cm	/	BR	

Species	% or Code	Form	Overall Height	No. /sqm	Root Condition /Size	Notes
<i>Trees - Central POS</i>						
Tilia cordata 'Greenspire'	50%	Semi-mature	20-25cm girth	/	RB	
Betula pendula	5%	Multistemmed	250-300cm	/	RB	
Prunus avium	5%	Semi-mature	250-300cm	/	RB	
Malus spp	20%	standard	16-18	/	C	
Pyrus spp	20%	standard	16-18	/	C	
<i>Trees – Eastern POS</i>						
Acer x freemannii 'Autumn Blaze'	10%	Semi-mature	20-25cm girth	/	RB	
Acer campestre	10%	Semi-mature	20-25cm girth	/	RB	
Alnus glutinosa	25%	standard	16-18	/	BR	
Betula pubescens	5%	Multistemmed	200-250 mm		RB	
Salix caprea	25%	standard	16-18	/	BR	
Salix cinera	25%	standard	16-18	/	BR	
Sorbus torminalis		Semi-mature	20-25cm girth	/	RB	
<i>Trees in Private Gardens</i>						
Sorbus torminalis	25%	Standard	16-18cm	/	BR	
Acer campestre	25%	Standard	16-18cm	/	BR	
Betula pubescens	25%	Standard	16-18cm	/	BR	
Prunus avium	25%	Standard	16-18cm	/	BR	
<i>Formal Hedge</i>						
Ligustrum ovalifolium (Primary street)	100%	Transplant	100-120cm	/	BR	
Crataegus monogyna (secondary & tertiary streets)	100%	Transplant	100-120cm	/	BR	
<i>Native hedge mix</i>						
Crataegus monogyna	70%	Transplant	60-80	/	BR	
Ilex aquifolium	5%	/	60-80	/	C	
Acer campestre	10%	Transplant	60-80	/	BR	
Prunus spinosa	10%	Transplant	60-80	/	BR	
Corylus avellana	5%	Transplant	60-80	/	BR	
Rosa canina	5%	Transplant	60-80		BR	

Species (Indicative)	% or Code	Form	Overall Height	No. /sqm	Root Condition /Size	Notes
<i>Shrub Mix A – Front Gardens (Primary Street)</i>						
Lipriope muscari		Full Pot	40-60	4	3Lt	
Sedum 'Ruby Glow'		Full Pot	40-60	4	3Lt	
Dryopteris erythrosora		Full Pot	40-60	2	3Lt	
Crocsmia × crocsmiiflora 'Carmin Brillant'		Full Pot	40-60	4	3Lt	
Hedera helix		Full pot	60-90	3	3lt	
<i>Shrub Mix B – Front Gardens ( Secondary Street)</i>						
Asplenium scolopendrum		Full pot	40-60	3	3lt	
Geranium sanguineum 'Album'		Full pot	40-60	3	3lt	
Sarcococca confusa		Full pot	40-60	2	3lt	
Deschampsia cespitosa		Full pot	40-60	3	3lt	
Pulmonaria 'Sissinghurst White'		Full pot	40-60	3	3lt	
<i>Shrub Mix C – Front Gardens (Tertiary Street)</i>						
Asplenium scolopendrum		Full pot	40-60	3	3lt	
Geranium sanguineum 'Album'		Full pot	40-60	4	3lt	
Sarcococca confusa		Full pot	20-30	4	3lt	
Deschampsia cespitosa		Full pot	40-60	3	3lt	
Pulmonaria 'Sissinghurst White'		Full pot	40-60	4	3lt	
<i>Shrub Mix D – Shared Street &amp; Courtyards</i>						
Ajuga reptans 'Atropurpurea'		Full pot	40-60	4	3lt	
Alchemilla mollis		Full pot	40-60	4	3lt	
Achillea 'Moonshine'		Full pot	40-60	3	3lt	
Waldsteinia ternata		Full pot	40-60	4	3lt	
Salvia x sylvestris 'Mainacht'		Full pot	40-60	4	3lt	
Stachys byzantina 'Silver Carpet'		Full pot	40-60	4	3lt	

<i>Shrub Mix E – Central POS</i>						
Geranium macrorrhizum 'Album'		Full pot	40-60	4	3lt	
Tellima grandiflora		Full pot	40-60	4	3lt	
Epimedium x youngianum 'Niveum'		Full pot	40-60	4	3lt	
<i>Shrub Mix F – Eastern POS</i>						
Galium odoratum		Full pot	40-60	4	3lt	
Polypodium vulgare		Full pot	40-60	3	3lt	
<i>Wildflower Seeding - Mix for swales</i>						
Emorsgate EM8 meadow mixture for wetland mix 20% wildflowers (including Ranunculus acris, Centaurea nigra, Filipendula ulmaria and Rhinanthus minor) and 80% grasses including Cynosurus cristatus, Festuca rubra, Agrostis capillaris)						
<i>Wildflower Seeding - Mix for Clay Soils</i>						
Emorsgate EM4 meadow mixture for clay soils 20% wildflowers (including Plantago lanceolata, Centaurea nigra, Ranunculus acris and Rumex acetosa) and 80% grasses including Cynosurus cristatus, Festuca rubra, Agrostis capillaris)						
<i>Wildflower Seeding - Mix for Sandy Soils</i>						
Emorsgate EM7 meadow mixture for sandy soils 20% wildflowers (including Leucanthemum vulgare, Ranunculus acris, Galium verum and Silene vulgaris) and 80% grasses including Cynosurus cristatus, Festuca filiformis, Festuca ovina)						

## PLANTING NOTES

### General

All plants to be supplied in full accordance with the HTA National Plant Specification.

All tree work in accordance with BS 5837: 2005 and BS 3998: 1989 Works undertaken only after agreement of Tree Officer if trees TOP'd or in Conservation Area. Works not to be undertaken in bird nesting season without consent.

All nursery stock in accordance with BS 3936 (Part 1)

All landscape operations (excluding hard surfaces) in accordance with BS 4428:1989

Newly planted areas to be protected by temporary chestnut pale fencing in accordance with BS5837

### Soiling Depths

Grassed Areas – 150mm topsoil, subsoil to be loosened to 150mm

Wildflower areas – 300mm subsoil (no topsoil)

Hedge Planting – 450mm topsoil, 450mm subsoil

Shrub Planting – 300mm topsoil, 300mm subsoil

Topsoil in accordance with BS 3882:1994

Undisturbed topsoil to BS4428

Tree planting to have 3sqm (minimum) of growing medium/plant in shared trench wherever possible.

### Tree Planting

Trees shall be planted into tree pit 75mm deeper than root system and wide enough to accommodate the root system when fully spread. Break up bottom of pit and backfill with 3:1 excavated topsoil:peat free compost mix and slow release fertiliser.

NB. Check for services prior to excavation of tree pit.

### Hedging

Hedges planted at 300mm centres in double staggered row.

### Grass & Meadow Seeding

The area to be seeded is to be graded to smooth even running falls to allow the finished level of grass sward to be 25mm above adjoining paved areas. Sow: April-October

The soil surface is to be cultivated to a fine, firm tith with a good crumb structure and uniformly firmed by rolling/tredding and then lightly raked to 25mm depth to form a true, even surface.

All rubbish, clods of earth and stones exceeding 50mm dia. to be removed.

### Established Maintenance

Straighten trees/shrubs and re-firm around roots after windy/frosty weather. Water trees/shrubs/line of hedge to field capacity during dry spells in spring/summer. Remove spiral guards from hedge plants after 2 years once hedge has become established. Light regular trimming of the hedges will encourage bushy growth and formation of a dense hedge. First mow when grass sward is 75mm high and grass is reasonably dry. Height of first cut to 50mm. Remove arisings from site.

After establishment, formative prune hedges 2 to 3 times a year to maintain size and spread and formative prune or ornamental shrubs as necessary to maintain desired size and shape. Establish appropriate mowing regime (e.g. one cut/month during April, May, September and October, 2 cuts per month during June, July and August).

All plant failures in the first 12 months to be replaced during the next suitable planting period.

Plants / trees – general

Condition: materially undamaged, sturdy, healthy & vigorous

Appearance: of good shape and without elongated shoots

Free from pests, diseases, discoloration, weeds & physiological disorders.

Origin: British grown, preferably local provenance.

Plants / Trees - specification criteria

Name, forms, dimensions and other criteria: as scheduled and defined in the NPS.

Times of year for planting

Deciduous trees & shrubs: late October to late March

Conifers & evergreens: September / October or April / May

Herbaceous plants (including marginal): September / October or March / April

Wildflower plugs: late August to mid November or March / April

Planting wildflower plugs

Keep plants watered and in shade until planted – do not allow to dry out.

Preparation: remove brambles, coarse & invasive weeds from planting sites.

Plant into a hole to suit plug size and shape. Create a cleft at bottom of hole to improve rooting.

Gently firm plant into hole.

Tree pits (for standard trees)

Sizes: 75mm deeper than the root system and wide enough to accommodate roots when fully spread.

Pit bottoms: with slightly raised centre. Break up to a depth of 150mm. Backfilling: reuse excavated material

Staking (for standard trees)

Stakes: softwood, peeled chestnut, larch or oak, straight, free from projections and large edge knots and with pointed lower end.

Position stake close to tree on windward side and drive vertically at least 300mm into bottom of pit before planting.

Height of stake: cut to approx 600mm above ground level

Ties: contractors choice

Tying: secure tree firmly but not rigidly to stake with 2 ties within 25mm of top of stake.

Tree protection

Manufacturer / product reference: contractors choice

Type: spiral

Colour / support: clear, bamboo canes

Woodland planting

Generally: check for above / below ground services. Give notice if they may be affected and obtain instructions before proceeding.

Safety: comply with Arboricultural & FAG guidance.

Notch planting in uncultivated ground

Make a vertical I, L or T notch deep enough to accommodate full depth of roots. Plant tree, close notch with root collar at ground level and firm the soil

Setting out

Planting density: to aid early establishment of screening 1 per m<sup>2</sup>

Layout: random groups of no less than 3 or more than 7 of the same species, ensuring that no three plants are aligned in any one direction.

Establishment maintenance / making good defects

Failures of planting

Defects due to materials or workmanship not in accordance with the contract.

Replacements: to match size of adjacent or nearby plants of the same species or match original spec, whichever is the greater.

Timing: during the next suitable planting season

Woodland planting maintenance

Watering: only necessary to prevent plants wilting

Loose plants: refirm surrounding soil, without compacting

Weed control: cut down & remove weeds prior to setting seed in a 1m dia. around each tree.

Thinning: thin to densities specified in the ecologists management plan