

HUDDERSFIELD ROAD

257

1 No. SAAL

4 No. ALNGL

3 No. ACECAM

2 No. SORAU

1 No. PRUPA

3 No. ACECAM

3 No. SORAU

1 No. PRUPA

1 No. PRUPA

2 No. ALNGL

35 No. CORSA
69 No. CORAV
69 No. CRAMON
35 No. ILEAQ
69 No. PRUSP
35 No. ROSCA
35 No. VIBOP

Density: 5no plants per linear metre.
Pattern: Plant in double staggered row
with rows 300mm apart and plants
500mm apart. Plant in species groups
5no minimum and 8no maximum.

Specification

Topsoil

Imported topsoil shall meet the standards of BS 3882:2015 and be of a sandy loam characteristic. Silted depths shall be a minimum of 300mm if underlain with good quality natural subsoil, 450mm if underlain with a mineral sub-base or 600mm if in island beds. Prior to topsoiling all and every planted area shall have any compaction thoroughly relieved to ensure good natural drainage.

Plant Material/Handling and Transportation/Planting

All plant material shall comply with the National Plant Specification for the height, girth and root type specified. Plants shall also conform to the following British Standards:-

BS 4428:1989 General Landscape Operations

BS 3093 Pt 1: 1993 Trees and Shrubs

BS 8545: 2014 Planting Trees

The transport and handling of plant material shall follow the guidelines of The National Plant Specification - Handling and Establishment.

Trees should be sturdy with a straight stem, clear single leader and have a balanced crown well furnished with side branches. The root system should be well balanced and fibrous with clear indication of understanding and transplanting in the nursery. Root balled trees shall be securely wrapped in hessian and/or a wire container both of which should be removed prior to planting ensuring the integrity of the root ball is retained.

Trees of standard size or larger shall be supported with a double short stake 1200mm long driven 600mm into the ground with a timber cross brace twice nailed to the posts 50mm from the post tops. The tree stem shall be supported with a proprietary rubber tree festoon and spacer four times nailed to the cross brace. Trees shall be planted in pits of a size to comfortably accept the root ball size, the pits bottoms should be well loosened. The pit shall be backfilled with a 50:50 mix of topsoil and non-peat planting compost well firmed in. Tree pits should be a minimum of 600 x 600 x 600 mm for any tree exceeding 1.5m in height and should be square in plan.

Container grown plants shall be top quality non-refrigerated stock in containers appropriate for the size of plant as set out in the plant schedule. They should not be pot bound and will be rejected if found to be so.

Bare rooted and root balled stock can only be planted through the winter planting season (Nov - March) and only container stock should be planted at all other times of year. If planting is undertaken outside the winter planting season, only container grown stock may be used and a programme of watering should be put in place to ensure the good establishment and growth of the trees and shrubs.

Preparation

All top soiled areas shall be thoroughly cultivated prior to planting and 80 litres 5m² of non-peat planting compost cultivated into the surface. All stones, wood, brick and general debris exceeding 50mm in diameter should be raked off and removed from site.

Mulch

Supply and spread to a minimum depth of 75mm well matured conifer bark mulch to all hedge lines.

The mulch should be medium grade with nominal particle size of 5-75mm, less than 5% fines, a pH of 4.5-5.5 and less than 15% wood content.

The mulch depth should be maintained at 75mm throughout the defects liability period.

Wildflower Seeding

Seed mix to be Emorsgate EM1 sown at a rate of 4gms per m². Sow in two batches in transverse directions. Seed should be bulked up with sand so that it is clear that all surfaces receive seed.

Endeavour to select ground that is not highly fertile and does not have a problem with perennial weeds. Good preparation is essential to success so aim to control weeds and produce a good quality seed bed before sowing.

To prepare a seed bed first remove weeds using repeated cultivation or a herbicide. Then plough or dig to bury the surface vegetation, harrow or rake to produce a medium rib, roll, or tread, to produce a firm surface.

Sowing

Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed but firm in with a roller, or by treading, to give good soil/seed contact.

Aftercare - First year management

Most sown meadow wild flower and grass species are perennial; they will be slow to germinate and grow and will not usually flower in their first growing season. There will often be a flush of annual weeds from the soil in the first growing season which may grow up and obscure the meadow seedlings beneath. This annual weed growth is easily controlled by topping or mowing.

Mow newly sown meadows regularly throughout the first year of establishment to a height of 40-60mm, remove cuttings and pile in a peripheral area as a habitat. This will control annual weeds and help maintain balance between faster growing grasses and slower developing wild flowers.

Carefully dig out or spot treat any residual perennial weeds such as docks.

Maintenance (First five years)

Trees and Shrubs

Maintain tree, shrubs and hedge lines free of weeds by the application of Glyphosate herbicide strictly to COSHH regulations and to manufacturer's recommendations. Herbicide should only be applied by trained personnel, using the correct equipment, including spray guards in suitable wet weather conditions. Herbicide treatments should be undertaken in April/May and July/August. Any weed species not effectively treated by the herbicide, shall be removed by hand - including the root, and removed from site.

Any damaged or dead branches or those overhanging roads, footpaths and general paved areas shall be carefully pruned off in line with good horticultural practice and the arisings removed from site. Pruning shall be meet good horticultural standards and be undertaken with sharp secateurs/pruning shears ensuring the cut is external to the abscission layer.

All tree stakes and ties shall be checked at each maintenance visit and repaired and/or replaced as necessary. Stakes may be removed after the third year providing it is clear that the tree is completely root stable.

Wildflower Seeding

In subsequent season, cut wildflower areas between 1st September and 15th October approximately 5cm above ground level. Remove cuttings to a peripheral stockpile.

Watering

All planting shall be thoroughly watered following completion of planting ensuring the topsoil is watered to field capacity. Thereafter, watering should be undertaken during dry periods (in these conditions, and unwatered period should not exceed seven days) to ensure good establishment and growth of all plant material. Any drought regulations in force at the time must be adhered to.

Replacement Planting

Within the first five years, any dead, dying or diseased stock shall be replaced with plants of the same species and sizes as originally planted. The extent of replacement planting shall be agreed with the Client's representative prior to planting and such planting as is necessary undertaken before the end of the winter planting season.

PLANT SCHEDULE

Trees

Abbreviation	Species	Height	Girth	Root Type	Density	Number
ACECAM	Acer campestre	300-350cm	10-12cm	RB	Counted	6 No.
ALNGL	Alnus glutinosa	300-350cm	10-12cm	RB	Counted	6 No.
BETPE	Betula pendula	300-350cm	10-12cm	RB	Counted	3 No.
CRAMON	Crataegus monogyna	60-90cm		BR	3/m	69 No.
FAGSY	Fagus sylvatica	300-350cm	10-12cm	RB	Counted	1 No.
ILEAQ	Ilex aquifolium	60-90cm		3L	3/m	35 No.
PRUAV	Prunus avium	300-350cm	10-12cm	RB	Counted	5 No.
PRUPA	Prunus padus	300-350cm	10-12cm	RB	Counted	3 No.
SAAL	Salix alba	300-350cm	10-12cm	RB	Counted	1 No.
SORAU	Sorbus aucuparia	300-350cm	10-12cm	RB	Counted	5 No.
						Total :134 No.

Shrubs

Abbreviation	Species	Height	Pot Size	Density	Number
CORSA	Cornus sanguinea	60-90cm	BR	3/m	35 No.
CORAV	Corylus avellana	60-90cm	BR	3/m	69 No.
PRUSP	Prunus spinosa	60-90cm	BR	3/m	69 No.
ROSCA	Rosa canina	60-90cm	BR	3/m	35 No.
VIBOP	Viburnum opulus	60-90cm	BR	3/m	35 No.
					Total :243 No.

CLIENT Mr.S.Marsden (RHPC)
PROJECT Thongsbridge Mills, Thongsbridge
TITLE Landscape Proposals

REVISIONS
REV A - 10.6.19 - Scheme amended to latest layout and wildflower spec added.

SCALE 1:250 @ A1
DATE 06.18
DWG No OPP - 9 REV A