

TREE SCHEDULE

Qty	SPECIES	Form	Girth (cm)	Ht (m)	Root
5	Acer campestre 'Elsrijk' (AcE)	Extra heavy std	14-16	4.25-6.0	RB
3	Betula utilis 'Doorenbos' (BuD)	Extra heavy std	14-16	4.25-6.0	RB
2	Malus 'John Downie' (MJD)	Extra heavy std	14-16	4.25-6.0	RB
6	Prunus subhirtella 'Autumnalis' (PsA)	Extra heavy std	14-16	4.25-6.0	RB
4	Sorbus x amoldiana 'Schouten' (Se)	Extra heavy std	14-16	4.25-6.0	RB

Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

Number	Abbreviation	Species	Form	Height	Pot Size	Density
30 No.	Esc AB	Escallonia 'Apple Blossom'	30-40cm	3L	4/m ²	
84 No.	Euon 'EnG'	Euonymus fortunei 'Emerald 'n' Gold'	20-30cm	3L	5/m ²	
91 No.	Hebe 'Mrs W' Hebe	'Mrs Winder'	30-40cm	3L	4/m ²	
208 No.	HHI	Hypericum 'Hidcote'	30-40cm	3L	4/m ²	
140 No.	LaM	Lavandula angustifolia 'Munstead'	20-30cm	3L	4/m ²	
166 No.	LnBsG	Lonicera nitida 'Baggesens Gold'	30-40cm	3L	4/m ²	
21 No.	PRFR	Photinia fraseri 'Red Robin'	40-60cm	3L	3/m ²	
82 No.	SJG	Spiraea japonica 'Goldflame'	30-40cm	3L	4/m ²	
51 No.	VINMA	Vinca major	10-20cm	2L	5/m ²	

Number	Abbreviation	Species	Pot Size	Density
51 No.	Sedum AJ	Sedum 'Autumn Joy'	2L	6/m ²

Number	Abbreviation	Species	Pot Size	Density
3 No.	Hp	Hydrangea petiolaris	3L	1/m ²

Number	%age	Species	Height	Specification	Density
109 No.	50%	Carpinus betulus	40-60cm	BR	0.45Ctr Double Staggered at 0.4m offset
109 No.	50%	Fagus sylvatica	40-60cm	BR	0.45Ctr Double Staggered at 0.4m offset
Total :218 No.					

Number	%age	Species	Height	Specification	Density
16 No.	5%	Clematis vitalba	60-80cm	2L pot	0.45Ctr Double Staggered at 0.4m offset
32 No.	10%	Corylus avellana	40-60cm	BR	0.45Ctr Double Staggered at 0.4m offset
143 No.	45%	Crataegus monogyna	40-60cm	BR tpt	0.45Ctr Double Staggered at 0.4m offset
48 No.	15%	Escallonia 'Donard Radiance'	40-60cm	3L pot	0.45Ctr Double Staggered at 0.4m offset
48 No.	15%	Pyracantha 'Orange Glow'	60-80cm	3L pot	0.45Ctr Double Staggered at 0.4m offset
16 No.	5%	Rosa arvensis	40-60cm	BR	0.45Ctr Double Staggered at 0.4m offset
16 No.	5%	Rosa canina	60-90cm	BR tpt	0.45Ctr Double Staggered at 0.4m offset
Total :319 No.					

Number	%age	Species	Common Name	Height	Specification	Density
160 No.	15%	Clematis montana 'Alba'	Common Dogwood	60-80cm	2L pot	0.75Ctr
107 No.	10%	Cornus sanguinea	Common Hazel	60-90cm	BR	0.75Ctr
107 No.	10%	Corylus avellana	Common Ivy	40-60cm	BR	0.75Ctr
267 No.	25%	Hedera helix	Common Holly	60-80cm	2L pot	0.75Ctr
160 No.	15%	Ilex aquifolium	Blackthorn	40-60cm	2L pot	0.75Ctr
54 No.	5%	Prunus spinosa	Dog Rose	40-60cm	BR	0.75Ctr
160 No.	15%	Rosa canina	Guelder Rose	60-80cm	BR	0.75Ctr
54 No.	5%	Viburnum opulus		60-80cm	BR	0.75Ctr
Total :1069 No.						

Average density only shown. For details see planting notes

Nr	Species	Density*
1250	Bluebell (Hyacinthoides non-scripta)	45/m ²
1250	Snowdrop (Galanthus nivalis)	45/m ²

*Average density. Plant in drifts of 2-5m² @ 100 - 150mm centres

PREPARATION AND PLANTING

All plant material shall conform to BS3936 Parts 1 and 4 and BS 4428. Topsoil to comply with BS3882, 2015. Organic matter to be proprietary shrub planting compost, or approved compost derived from recycled organic matter. Slow release fertiliser to be 'Enmag' or similar.

Tree planting

- Trees to be planted into pits of an appropriate size to accommodate the root system without restriction.
- Extra Heavy Standard trees to be double staked with 100mm round stakes and secured to a 50 x 25mm cross piece by proprietary rubber tree tie with spacer. Finished height of all stakes shall not exceed 1/3 height of tree above ground.
- Tree pits to be back-filled with imported topsoil mixed with compost at a ratio of 3 parts soil to 1 part compost. 150gms slow release fertiliser to be added to each pit.

Shrub planting.

- Shrubs to be planted into 400mm depth of high quality topsoil complying with BS3882, 2007.
- Organic matter to be spread over planting area and cultivated into soil to a min 400mm depth.
- Shrubs to be planted into prepared soil in pits large enough to accommodate full rootball.
- Finished beds to be lightly forked over and dressed with 75mm depth coarse forest bark mulch.

Hedge planting.

- Trench to be excavated 600mm wide x 450mm deep, then backfilled with topsoil mixed with compost in a 3:1 ratio.
- Hedge plants to be planted in a double staggered row 400mm apart @ 450mm centres. (5 per lin m).
- An area 500mm either side of the hedgerows, measured from the centre line, to be mulched with 75mm depth of coarse bark.

Proposed shrub mix planting on slopes.

- All plants to be planted through a cross cut in the geotextile. Cuts to be the minimum size that will allow a spade or pot through the geotextile.
- Bare root plants to be notch planted. Pot grown plants to be pit planted.
- 50gms of slow release fertiliser to be incorporated at roots of each plant.
- A 0.5 x 0.5m, min 0.9mm thick biodegradable mulch mat to be fitted around each plant and pegged to surface using manufacturers pegs or fixings. (Eg Hy-Tex Ecotex Mulch Mat)
- All dogwood, hazel, guelder rose and blackthorn to be cut to 300-450mm height after planting. All long stems of ivy, clematis, dogrose to be pinned into slope.
- Plant in single species groups of 3-12 nr.
- Hazel, dogwood, blackthorn, holly and guelder rose planted towards upper slopes with ivy, dog rose and clematis concentrated on lower slopes.
- Dogwood, hazel, guelder rose, holly and blackthorn to be planted at 1m centres. Ivy, dogrose and clematis at 500mm centres.

Amenity grass seeding.

- A minimum of 100mm of clean topsoil to be spread over all areas of proposed amenity grass seeding.
- Area to be cultivated using a disc harrow or rotovator, to 100mm depth then further cultivated to 50mm depth and rolled to produce a firm seed bed.
- Species rich, short grass sward to be achieved. Emorsgate Fine Amenity Turf mixture sown at 25g/m² plus Emorsgate EL1 Flowering Lawn mix sown at 5g/m² square metre.

Grass seeding for reinforced slope.

- Seed to be incorporated into top 25mm of light sandy topsoil placed behind geotextile on face of embankment. Mixing of soil and seed to be undertaken prior to soil placement.
- Seed to be Phoenix Embankment Grass Seed @60g/m² mixed with PFS 13 Bumblebee wildflowers (only) seed mix @2g/m².
- Alternatively hydroseed using the same mix. Details of hydroseeding additives to be determined once embankment has been formed.

Bulb planting

- Bulbs to be planted so that crown is covered by depth of soil equal to height of bulb, in a random mix with wildflower plants, at rate of 45 plants/m².
- Plant in drifts covering 2-5m² with individual bulbs @ 100 - 150mm centres. (Average density 45/m²)

PHASING

All trees and to be planted in the first dormant season (Nov to March) after completion of construction.
All hedge material, bare root and container plants, to be planted in the first March after completion of construction.
All grass to be seeded in the first season following completion of construction.
Between end May and End June or September.
Planting of shrub mix on embankment to be undertaken after establishment of grass seed.

AFTERCARE - 5 YEARS

- Extra heavy standard trees
- Keep an area 1m in diam free from weed growth around all trees
 - Annually apply a slow release fertiliser in spring in years 1-4.
 - Replace all failures.
 - Prune all damaged or broken branches.
 - Check and adjust as necessary all tree ties and stakes.

Individual shrub areas

- Keep weed free by means of hand-pulling or spot treatment with herbicide.
- Prune lightly in the first 3 years to encourage bushiness. Thereafter prune to keep footpaths and driveways clear.
- Replace all failures
- Top up mulch to 75mm depth in years 3 and 5.

Shrub mix on slopes

- Cut all dogwood, hazel, blackthorn to 450mm height in year 3. Trim ivy, clematis and dog rose by one-third every 2 years and pin shoots into surface.
- Check and secure all mulch mats in position. Replace torn or missing ones.
- Replace all failures.

Hedges

- Keep an area weed free along the base of hedgerows, 500mm wide either side of the centre-line of the hedge.
- Prune in year 3 to 750mm height, max 600mm base width, then prune lightly annually in February to develop and maintain the beech hornbeam hedgerow to an A-shape, 1.0-1.2m high, base width 0.75 - 1m.
- Mixed hedgerow within gardens to be developed and maintained to an a-shape 1.5-2m ht, base width 0.75-1m.
- Top-up mulch in years 2 and 4 to maintain 75mm depth.

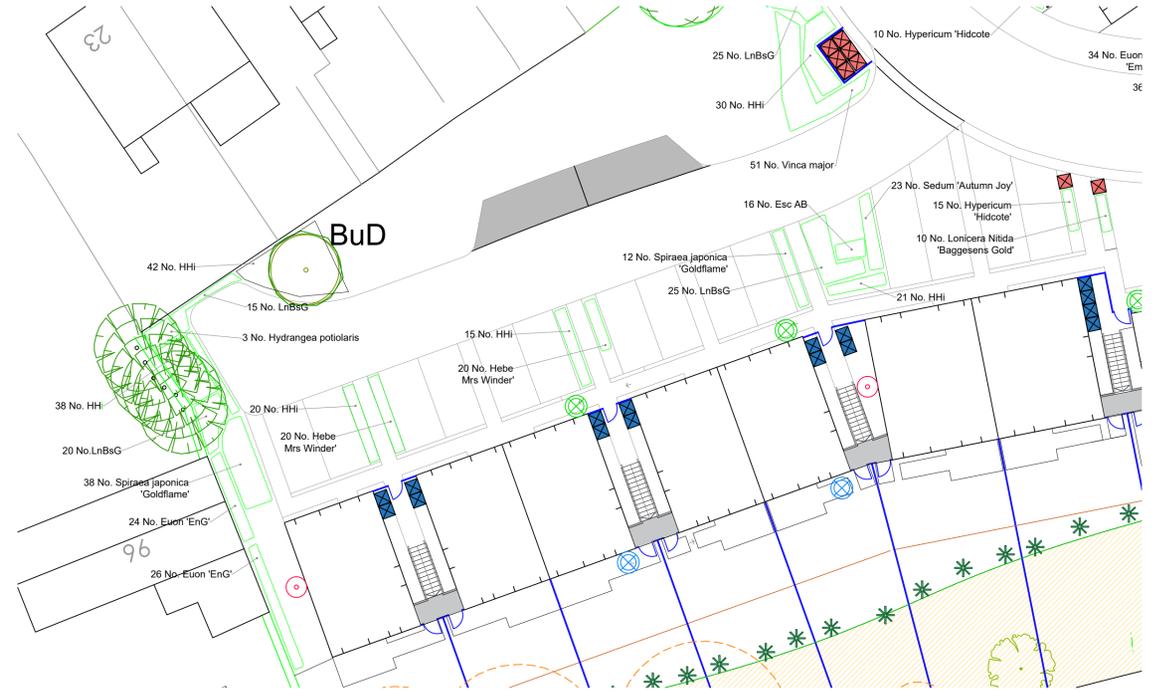
Watering

In years 1-3, water plants in periods of prolonged dry weather at the following rates.
Trees 30 litres per tree
Hedging plants 10 litres per plant.
Watering to be undertaken in early morning or evening, avoiding periods of bright sunshine or windy conditions.

For landscape layout, and position of tree, hedge, seeding and shrub mixes see dwg no VAD.23.14.PL09 & PL10



READ IN CONJUNCTION WITH DRAWING VAD.23.14 PL110 FOR DETAILS OF BANKING, GRASSED AREAS AND TREES ETC



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DRAWING STATUS	
DRAWN BY:	SDC
SCALE:	1:500
DATE:	July 23
A Levels amended to suit site layout plan 07.23 SC RE	

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LEEDS
LEICESTER
PONTEFRAC

CLIENT: Stonewater.
PROJECT TITLE: Holme Avenue, Dalton Huddersfield, HD5 8DP
DRAWING TITLE: Shrub Details, Schedules and Mixes

PROJECT NO.: VAD.23.14
DRAWING NO.: PL 111
REVISION: A



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