



**SHRUB SCHEDULES**

Number	Abbrev	Species	Height	Pot Size	Density
75 -	Bt AN	Berberis thunbergii 'Atropurpurea Nana'	30-40cm	3L	4/m <sup>2</sup>
49 -	Bv	Berberis verruculosa	40-60cm	3L	4/m <sup>2</sup>
26 -	CORSAMF	Cornus sanguinea 'Midwinter Fire'	60-80cm	3L	2/m <sup>2</sup>
81 -	Esc AB	Escallonia 'Apple Blossom'	40-60cm	3L	3/m <sup>2</sup>
73 -	Heb Saph	Hebe 'Sapphire'	30-40cm	3L	5/m <sup>2</sup>
113 -	Heb RE	Hebe albicans 'Red Edge'	20-30cm	3L	4/m <sup>2</sup>
109 -	HHI	Hypericum 'Hidcote'	30-40cm	3L	4/m <sup>2</sup>
24 -	Hyp EI	Hypericum inodorum 'Elstead'	40-60cm	3L	4/m <sup>2</sup>
93 -	ILECRCO	Ilex crenata 'Convexa'	40-60cm	5L	3/m <sup>2</sup>
174 -	Lav Mun	Lavandula angustifolia 'Munstead'	30-40cm	3L	4/m <sup>2</sup>
90 -	Lon MG	Lonicera nitida 'May Green'	30-40cm	3L	4/m <sup>2</sup>
43 -	PaBS	Perovskia atriplicifolia 'Blue Spire'	30-40cm	3L	4/m <sup>2</sup>
45 -	POG	Pyracantha 'Orange Glow'	40-60cm	3L	3/m <sup>2</sup>
131 -	SjG	Spiraea japonica 'Goldflame'	30-40cm	3L	4/m <sup>2</sup>

Herbaceous					
Number	Abbrev	Species	Pot Size	Density	
59 -	Cary BM	Caryopteris 'Blue Mist'	3L	5/m <sup>2</sup>	
38 -	Croc BB	Crocsmia 'Bressingham Blaze'	1-1.5L	6/m <sup>2</sup>	

Climbers-Access road wall					
Number	%age	Species	Specification	Height	Density
7 -	5%	Clematis montana rubens	3L pot	60-80cm	1Ctr
13 -	10%	Clematis vitalba	3L pot	60-80cm	1Ctr
25 -	20%	Hedera helix	3L pot	60-80cm	1Ctr
32 -	25%	Hedera helix 'Goldheart'	3L pot	60-80cm	1Ctr
25 -	20%	Hydrangea petiolaris	3L pot	60-80cm	1Ctr
25 -	20%	Lonicera periclymenum 'Belgica'	3L pot	60-80cm	1Ctr

H1 - Species rich thorn hedge					
Number	%age	Species	Specification	Height	Density
64 -	5%	Clematis vitalba	2L pot	60-80cm	0.4Ctr Double Staggered at 0.45m offset
126 -	10%	Corylus avellana	BR	40-60cm	0.4Ctr Double Staggered at 0.45m offset
744 -	60%	Crataegus monogyna	BR	40-60cm	0.4Ctr Double Staggered at 0.45m offset
126 -	10%	Ilex aquifolium	2L pot	40-60cm	0.4Ctr Double Staggered at 0.45m offset
64 -	5%	Prunus spinosa	BR	40-60cm	0.4Ctr Double Staggered at 0.45m offset
64 -	5%	Rosa arvensis	BR	40-60cm	0.4Ctr Double Staggered at 0.45m offset
64 -	5%	Rosa canina	BR	60-90cm	0.4Ctr Double Staggered at 0.45m offset
Total :1252 -					

H2 - Beech-hornbeam-holly-blackthorn hedge					
Number	%age	Species	Specification	Height	Density
77 -	40%	Carpinus betulus	BR	40-60cm	0.45Ctr Double Staggered at 0.45m offset
77 -	40%	Fagus sylvatica	BR	40-60cm	0.45Ctr Double Staggered at 0.45m offset
20 -	10%	Ilex aquifolium	2L pot	30-40cm	0.45Ctr Double Staggered at 0.45m offset
20 -	10%	Prunus spinosa	BR	40-60cm	0.45Ctr Double Staggered at 0.45m offset
Total :194 -					

H3 - Escallonia-berberis hedgerow					
Number	%age	Species	Specification	Height	Density
79 -	30%	Berberis thunbergii 'Atropurpurea'	3L pot	40-60cm	0.5Ctr Double Staggered at 0.4m offset
146 -	60%	Escallonia 'Donard Radiance'	3L pot	40-60cm	0.5Ctr Double Staggered at 0.4m offset
27 -	10%	Rosa 'Roseraie de l'Hay'	BR	40-60cm	0.5Ctr Double Staggered at 0.4m offset
Total :252 -					

**PREPARATION AND PLANTING**

All plant material shall conform to BS3936 Parts 1and 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.
  - Standard trees to be single staked using a 75mm diam machine rounded stake. Fixing to stake as above. 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, 2015.
  - 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.

- Climbing plants.**
- Climbing plants to be planted into 400mm depth of high quality topsoil complying with BS3882, 2015.
  - Organic matter to be spread over planting area and cultivated into soil to a min 400mm depth.
  - Climbing plants to be planted into prepared soil in pits large enough to accommodate full rootball.
  - Clematis mesh of max 50mm aperture, 1m width x 1.8 m height height of wall to be fixed to wall on 25 x 25mm timber battens for each clematis and Lonicera (honeysuckle) plant.
  - 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.
  - Hedgerow H1: Hedge plants to be planted in a double staggered row 450mm apart @ 400mm centres. (6 per lin m).
  - Hedgerow H2: Hedge plants to be planted in a double staggered row 450mm apart @ 450mm centres (5 per lin m).
  - Hedgerow H3: Hedge plants to be planted in a double staggered row 5000mm apart @ 400mm 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.

- 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.
  - Pre-seed fertiliser to be applied at 50g/m<sup>2</sup> and incorporated.
  - A low maintenance fescue/bent seed mix to be sown. Eg: Germinal, A22 at 35gm/square metre.

- Wildflower grass seeding.**
- A minimum of 100mm depth of clean soil to be spread over all areas of proposed wildflower seeding.
  - Soil to be cultivated using a disc harrow or rotovator, to 100mm depth then further cultivated to 30mm depth, graded and rolled to produce a firm, level seed bed.
  - Pre-seed fertiliser shall not be used on wildflower areas.**
  - A seed mix of 80% grasses:20% wildflowers suitable for shady hedge bottoms (eg Emorsgate EH1 Hedgerows Mixture), to be sown @ 4gm/m<sup>2</sup>.
  - Emorsgate Mix EH1 available from Emorsgate Seeds, tel 01553 829028

**TREE SCHEDULE**

Qty	SPECIES	Form	Grith (cm)	Ht (m)	Root
4	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
5	Betula pendula (Bp)	Heavy std	10-12	3.0-3.5	RB
10	Malus 'Evereste' (ME)	Heavy std	10-12	3.0-3.5	RB
2	Prunus avium 'Plena' (PaP)	Extra heavy std	14-16	4.25-6.0	RB
4	Prunus sargentii 'Rancho' (PsR)	Extra heavy std	14-16	4.25-6.0	RB
10	Prunus subhirtella 'Autumnalis' (PsA)	Extra heavy std	14-16	4.25-6.0	RB
4	Pyrus calleryana 'Chanticleer' (PcC)	Extra heavy std	14-16	4.25-6.0	RB
3	Quercus petraea (Qp)	Heavy std	10-12	3.0-3.5	RB
2	Sorbus aria 'Mitchellii' (Sar)	Heavy std	14-16	3.0-3.5	RB
10	Sorbus aucuparia 'Joseph's Rock' (Sj)	Heavy std	10-12	3.0-3.5	RB
2	Sorbus 'Glowing Pink' (SGP)	Heavy std	10-12	3.0-3.5	RB

**AFTERCARE - 5 YEARS**

- 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.

- Shrubs and Climbing Plants**
- Keep shrub beds weed free
  - Annually apply a slow release fertiliser in spring in years 1-3
  - Prune all evergreen shrubs in years 2 and 4 to promote dense growth.
  - Cut back all herbaceous species annually after flowering
  - 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 all hedges in year 3 to 750mm height, max 600mm base width, then prune lightly annually in February to develop and maintain an A-shaped hedgerows, dimensions as follows:  
H1 Species rich thorn hedgerow 2m high, base width 1-1.5m  
H2 Beech-hornbeam-holly-blackthorn 1.2-1.8m high, base width 0.75 -1m.  
H3 Escallonia-berberis hedgerow 1-1.2m high, base width 0.6-0.9m
  - Top-up mulch in years 2 and 4 to maintain 75mm depth.

- Amenity grass**
- Mow regularly throughout the growing season.
  - Re-seed or re-turf any areas of failure.

- Wildflower grass areas**
- In first year cut regularly throughout the growing season to encourage good root growth and establishment.
  - In following years cut annually to 50mm height in late August/early September, after flowering and seed set.
  - Seven days after mowing, to allow for seeds to fall through the cut grass to the soil, cuttings to be raked up into large grass heaps at the edges of the area to provide reptile habitat.
  - Spot treat noxious weed growth with an appropriate herbicide, or hand pull.

- 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.

**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. Wildflower seeds only to be sown at the end of the summer, in September.

Rev A: 040521. KE. Corrections to tree schedule and paper size. Minor amends to shrubs

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client  
**YT Developments**

project  
**Development at Former Combs Hostel Hall Lane Thornhill**

drawing title  
**Landscape Proposals - Details**

scale	date	drawn by	drawing no
1:250 @ A1	April 2021	CTF	YT/T/608/1 rev A