



1 Site Plan, Landscape
1 : 500



Specification Tree Girth

Light Standard (LS)	6-8cm
Standard (S)	8-10cm
Select Standard (SS)	10-12cm
Heavy Standard (HS)	12-14cm
Extra Heavy Standard (EHS)	14-16cm
Advanced Heavy Standard (AHS)	16-18cm
Semi mature	18-20cm +

Girth (cm) Height (metres)

8-10	2.0-3.0m
10-12	2.5-3.5m
12-14	3.00-4.0m
16-18	4.0-4.5m
18-20	4.0-5.0m
20-25	4.5-5.5m
25-30	5.0-6.0m
30-35	5.5-6.5m
35-40	6.0-7.0m
40-45	6.5-7.5m
45-50	7.0-8.0m

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SPECIFICATION

GROUND PREPARATION - GENERAL

Preparation for topsoil
Grading and cultivation shall be in accordance with BS 4428: Part 4.
Subsoil that is to receive topsoil shall, where necessary, be thoroughly broken up by hand, by heavy rotavator, by subsoiler or fitted equipment with adequate passes made to thoroughly break up the surface to a depth of 150mm, cleared of all large stones, lumps, perennial weeds, tree roots (including living tree roots), coarse vegetation and other extraneous matter.

Subsoil grading
Subsoil shall only be graded after loosening as above, and shall be undertaken by the use of a tractor and blade grader on large areas and by a small mechanical grader or by hand on small areas. Ground shall at no time be tamped by heavy machinery for grading or any other purpose after sub-soiling and/or topsoiling has taken place.

Making up levels
When subsoil is identified as low lying areas to raise formation levels, it shall be lightly consolidated and left broken up ready to receive topsoil. Imported fill 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 specified 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 3882: 2007. Recommendations and classification for topsoil, class 4.1a. The soil shall be free of weeds, roots or perennial weeds, pests, diseases, debris, tree roots, sticks, subsoil and foreign matter and shall be capable of being broken down to a fine tilth.

Spreading topsoil
Prior to topsoil replacement the formation level shall be cleared of all stones, rubbish, debris with any one dimension greater than 75mm. Areas to be seeded or turfed shall be covered by topsoil 100mm thick and areas to be planted shall be covered by topsoil 400mm thick. Topsoil shall be spread in an evenly consolidated layer and shall be left cleared of all roots, stones and debris with any one dimension greater than 50mm throughout its depth. Unless otherwise stated the finished level shall be 25mm above adjacent hard areas. No topsoil shall be covered until the subsoil grade has been inspected by a Landscape Architect.

Mulching
A 75mm compacted layer of medium grade well-sieved bark, with a particle size of not more than 100mm and containing no more than 10% fines, shall be spread to form a continuous layer covering the whole of the bed, or in the case of standard trees shall be in the form of a circle of 600mm diameter around the base of the tree. Wholes and transplants shall be mulched in the form of a 300mm diameter circle around the base of the tree. This is to be maintained up until the sale of the house.

Rejection of plants
Any plant material, which in the opinion of the Landscape Architect, does not meet the requirements of the Specification, or is unusable, or defective in any other way, will be rejected. The minimum specified sizes in the plant schedule will be strictly enforced. The contractor shall replace all plants rejected at his own cost.

Planting
All plant material shall generally be obtained between November and March in open cool weather. Planting shall not take place in frost, snow or waterlogged conditions. Where approved, pot or container grown plants may be planted outside the specified seasons, but adequate watering shall be supplied. Torn or damaged roots and branches shall be removed prior to planting.

Planting of wholes, transplants and shrubs
The nature of the material to be planted is variable and the contractor shall allow for contingencies be properly carried out in all cases as described in BS 4428: 1999 5.8 Woodland, 5.8 Shrub. All plants shall be planted at same depth, or very slightly deeper, as they were grown. Roots shall not be bent, broken or forced into irregular gaps or notches. Plants shall be upright, firm in soil and wind resistant, with no air pockets around roots. All pots and root wrap shall be carefully removed prior to planting. Wholes and transplants shall be immediately be picked up and stored ready for removal to site. Plants shall be stored or transplanted correctly. On steep slopes this shall be in the horizontal position.

Planting of trees
The tree shall be set upright and at the same depth as grown in the nursery. Ideally the planting hole should be at least 1.5 times the diameter of the root ball and no deeper than the root ball, to give the plant a perfect start in the new and final location. The roots shall be spread out and the topsoil, or compost/topsoil mixture, backfilled. Backfilling should be done to ensure close contact between roots and by firming in layers. The soil shall be left level and tidy, any subsoil clods, cracks or stones over 50mm arising, collected and cleared off site.

Tree planting
Trees shall conform to BS 3808 and be planted in tree pits of the following sizes unless directed otherwise:
Feathered trees 900 x 900 x 450 up to 3 metres high (2 bags)
Selected standards 1000 x 1000 x 450 up to 4.25 metres high (3 bags)
Extra heavy standards 1200 x 1200 x 450 (4 bags)
Encased trees shall be carried off site on a tip. The bottom 250mm of the pit shall be dug and broken up. Selected standard topsoil as specified unless directed otherwise.

Compost for planting pits
Compost shall be a proprietary product, bank based incorporating fertiliser, and improving additives. The type of compost shall be approved before its delivery on site, and the details of the product shall be supplied. Compost shall be added to and mixed with topsoil backfill at the following rates:
Feathered trees - 1 bag 60 litres
Selected standards - 1.5 bags 150 litres
Extra heavy standards - 2 bags 180 litres

Stakes for trees
Stakes shall be peeled round pressure treated softwood, pointed or minimum diameter 75mm. The stakes shall be driven into the base of the tree and prior to planting the tree and backfilling.
Stakes shall be general have a clear height above the finished ground level as follows unless directed otherwise:
Feathered trees - 750mm (one pole)
Selected standards - 900mm (2 stakes, one in each heavy standard)
Extra heavy standards - 1200mm (2 stakes, one in each)
The stake shall be long enough to drive until they hold the tree firmly without rocking.
Alternatively, for the larger root balled trees, weighted underground guying or anchoring could be used.

Tree ties
Ties shall be approved rail-on-type with cushioned spacer such as Torex, or other equal and approved. Nails shall be hot galvanized and shall hold the tie securely into the stake. Ties shall not cover the tree stem.
Ties, available from J. Forts Limited, Wheeler Street, Redwood, Ashford, Kent, TN27 9PW.
Feathered trees - Type 14
Selected standards Type L1
Extra heavy standards Type L3

Plant Schedule

TREES	Botanical Name	Common Name	Form	Girth	Root
A	Prunus Padalis	Bird Cherry	Heavy Standards	12 - 14cm	B
B	Betula Pendula	Silver Birch	Heavy Standards	12 - 14cm	RB
C	Crataegus Monogyna	Hawthorn	Heavy Standards	12 - 14cm	B
D	Malus Domestica	Apple	Heavy Standards	12 - 14cm	B
E	Prunus Avium	Wild Cherry	Heavy Standards	12 - 14cm	B
F	Pyrus Calleryana Chanticleer	Pear	Heavy Standards	12 - 14cm	RB
G	Sorbus Aucuparia	Rosier	Heavy Standards	12 - 14cm	B
H	Fagus Sylvatica	Common Beech	Heavy Standards	12 - 14cm	B
I	Pyrus communis Betty	Beth	Selected Standards	10 - 12cm	B
J	Betula utilis var. jacquemontii	Himalayan Birch	Standard	8 - 10cm	B
K	Carpinus betulus Fastigiata	Hornbeam	Heavy Standards	12 - 14cm	B

SHRUBS	Botanical Name	Common Name	Min Height	Root condition	Pot Size	Density
a	Ilex Aquifolium	Holly	60 - 80cm	10l		4/m ²
b	Ribes Speciosum	Currant	60 - 80cm	B		4/m ²
c	Crataegus Monogyna	Hawthorn	60 - 80cm	B		4/m ²
d	Cornus Sanguinea	Hogwood	60 - 80cm	B		4/m ²
e	Cornus Avellana	Dogwood	60 - 80cm	B		4/m ²
f	Mairea Aquifolium	Oregon Grape	60 - 80cm	B		4/m ²
g	Potentilla Fruticosa	Abbotwood	60 - 80cm	B		4/m ²
h	Cytisus scoparius	Common Broom	30 - 40cm	B		4/m ²
i	Euconymia europaea	Spindle	30 - 40cm	B		4/m ²
j	Hedera helix Climacis	IVY	30 - 40cm	B		4/m ²
k	Senecio cineraria 'Claret'	Silver Ragwort	30 - 40cm	B		4/m ²
l	Viburnum opulus	Guelder Rose	30 - 40cm	B		4/m ²
m	Lavandula angustifolia Hidocote	English Lavender	30 - 40cm	B		4/m ²
n	Hebe Rakainsii	Rabal hebe	30 - 40cm	B		4/m ²
o	Hypericum Hidocote	Saint John's Wort	30 - 40cm	B		4/m ²
p	Viburnum linares Eve Price	lanarviburn	30 - 40cm	B		4/m ²

HEDGING	Planted in double staggered row at 300mm centres (7 plants/m)	H.H. Mix of	Common Name	Min Height	Root condition	Pot Size	Density
A	Crataegus Monogyna	35%	Hawthorn	60 - 80cm	B		3/m ²
B	Prunus Spinosa	25%	Blackthorn	60 - 80cm	B		4/m ²
C	Ligustrum Vulgare	15%	Wild Privet	60 - 80cm	B		3/m ²
D	Cory Avellana	20%	Hazel	60 - 80cm	B		4/m ²
E	Ilex Aquifolium	10%	Holly	60 - 80cm	B		4/m ²

Rev	Date	Description
A	21-02-14	First Issue
B	12-10-17	Draft included
C	06-02-18	Revisions following planning meeting
D	26-02-18	Plots 35-38 revised, 2bed increased, finishes noted.
E	16-04-18	Plots 1-4-18 moved east

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REVISED PLAN

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Client	Cassey
Job	Plot 14, Hainbury
Drawing title	Landscape Details
Project number	M4186 07
Scale	As indicated on A1
Date	06/20/17
Drawn by	AS
Checked by	GW

11.04.18