

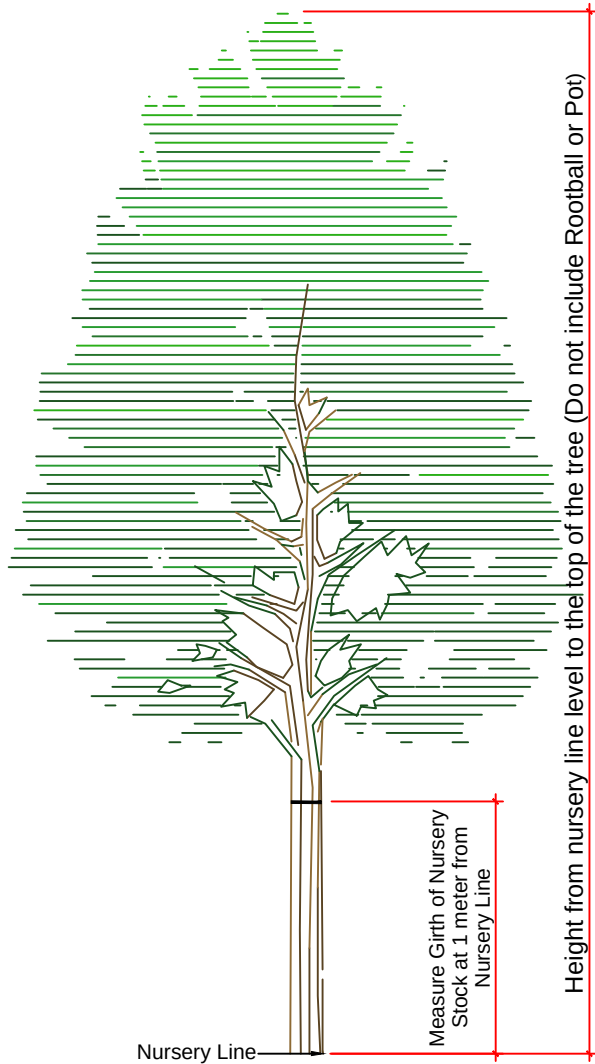
Landscape plans will be required to display the following three key elements, the plan showing existing hedgerows and trees and proposed tree/hedgerow/shrub planting, a key that clearly identifies these elements, and a landscape schedule that sets out the specification of all proposed planting stock.

The plan and key are self explanatory however the schedule tends to use a number of technical references and abbreviations which can often be unclear. Set out below is a standard landscape schedule with an accompanying guide to understanding the landscape specification that will assist when checking landscaping works that have been carried out on site

Landscape Schedule

Trees						
Abbreviation	Species	Height	Girth	Specification	Pot Size	Number
Ace	Acer campestre	300-350cm	10-12cm	Form: Clear Stem	(CG)	1

Trees to be planted in accordance with the specification. Contractor's have a responsibility to identify the location of all underground services prior to tree pit excavation. All tree locations are to be approved by the structural engineer prior to planting, trees must not be planted any closer to buildings or structures without the consent of the structural engineer or landscape architect. All stock is specified as Bareroot, Rootball & Container stock substitution or an amendment to specification must be agreed with the landscape architect.



TREES SPECIFICATION

The tree MUST meet ALL of the specification criteria, a contractor might suggest that it only has to meet one (this is incorrect). The specification criteria includes size, girth and height. Size is based on industry standards set out by the Horticultural Trades Association (HTA), the key sizes are set out below. The height is measured from nursery level (this is the clearly marked soil line at the base of the trunk) to the top of the tree. The girth is the measurement of the circumference of the trunk taken at 1m from the ground or nursery level in accordance with BS 8545 2014

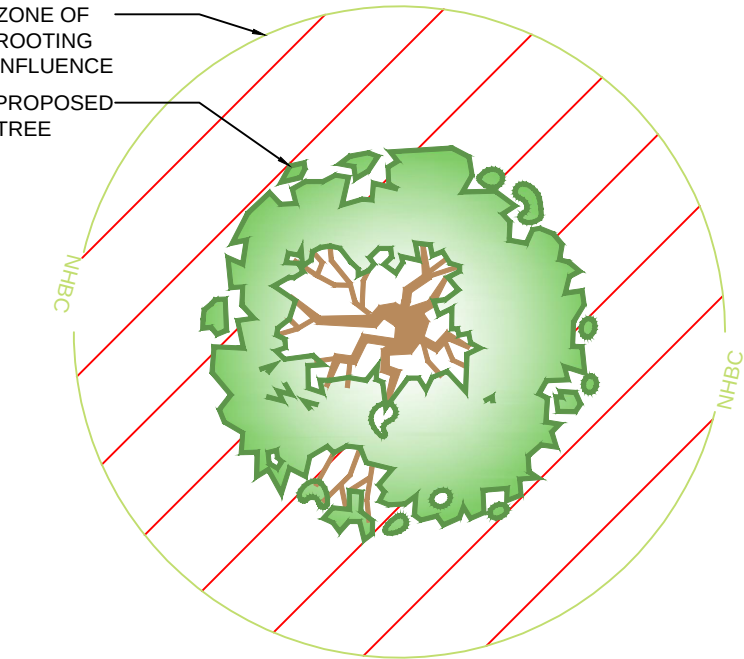
TREE STANDARDS

Size	Girth	Height
Light Standard	6-8cm	250-300cm
Standard	8-10cm	250-300cm
Selected Standard	10-12cm	300-350cm
Heavy Standard	12-14cm	350-400cm
Extra Heavy Standard	14-16cm	400-450cm
Extra Heavy Standard	16-18cm	450-500cm
Extra Heavy Standard	18-20cm	450-500cm
Semi Mature	20-25cm	500-550cm

Trees can be specified as clear-stem this is where it has a clear stem, free of branches, up to 1.5m to 2m from the ground; multi-stem this is where the tree has more than one trunk at ground level (usually three); and feathered this is where the tree is fully furnished with evenly spaced branches from ground level.

NHBC CHAPTER 4.2 - BUILDING NEAR TREES SPECIFICATION

Building near trees and the effects of trees on shrinkable soils: When trees are being proposed within a landscaping scheme the guidance within NHBC Chapter 4.2 regarding root systems and their zone of influence upon building foundations. The tree species choices should be checked against Chapter 4.2 Table 3 and calculated according to Table 3b. Information may be obtained from suitable alternative authoritative sources for trees not listed in this chapter. When the species is known but the subspecies is not, the greatest height listed for the species should be assumed. Where hedgerows contain trees, their effect should be assessed separately and the height of the species likely to have the greatest effect should be used.



- 1.0 TREE PLANTING
- 1.1 Specification for trees in accordance with BS 8545:2014
- 1.2 Selected standard & plus size trees to be planted as shown on tree pit detail.
- 1.3 All smaller trees appropriate staking method to be applied eg. bareroot nursery stock if applicable in relation to build program.
- 1.3 Tree planting in relation to statutory service runs will be coordinated with main site contractor an no tree species/location/specification will be amended without prior approval from the project Landscape Architect and/or the Client.
- 1.4 Root Barrier Membranes
- 1.4 Where trees are proposed in close proximity to hard paved areas or proposed underground service runs, a root barrier membrane is to be installed to the following specification.
- 1.4.1 For trees adjacent to underground services within hard or soft landscaping.
- 1.4.1 For services 450mm deep - Install 'Reroot 600mm' or equal and approved ribbed root barrier membrane, to a depth of 590mm with the ribs facing the trees rootball and joints fixed with appropriate tape. Install to allow 10mm above the finished surface level of the soft landscaping bed.
- 1.4.1 For services 800mm deep - Install 'Reroot 1000mm' or equal and approved ribbed root barrier membrane, to a depth of 990mm with the ribs facing the trees rootball and joints fixed with appropriate tape. Install to allow 10mm above the finished surface level of the soft landscaping bed.
- 1.4.2 For locations where trees are positioned next to areas of hard standing with or without underground services e.g. grass verge, require a root barrier installed against the kerb/edging faces to prevent any potential root disturbance.
- 2.0 WATERING
- 2.1 Watering shall be carried out as necessary to maintain the healthy growth of all plants and trees.
- 2.2 All trees & shrubs are to be thoroughly watered prior to and following planting.
- 2.3 Watering trees:
- 2.3 Additional watering visits should be applied to trees during periods of dry weather (Watering should be applied weekly). The rooting areas around newly planted trees should be thoroughly watered often to maintain turgidity and growth, until trees are successfully established.
- 2.3 Watering Trunks smaller than 2" (5 cm): 5 Litres per inch of trunk diameter. Trunks larger than 2" (5cm): 10 Litres per inch of trunk diameter.
- 2.3 Girth measured from nursery level at 1m.
- 2.3 Apply water to both exposed inlets and surface rooting area for trees in soft landscaping.
- 2.3 Trees will be watered for a minimum of 36 months from time of installation.
- 2.3 The Landscape Management Contractor shall be entirely responsible for varying the frequency of these visits according to climatic conditions and for contacting the Adopting Organisation and agreeing the timing of any additional watering visits if required and where restrictions are placed on the use of water, sources, and costs of obtaining second class water.
- 2.3 The Landscape Management Contractor shall be responsible for any tree failures or excessive die back from drought stress during the management contract.