



**KEY**

- Woodland
- Proposed standard tree
- Proposed native understorey shrubs
- Chestnut pale fencing

**INVASIVE SHRUB CLEARANCE**

Hand clearance of laurel and rhododendron along the south-west edge of Goldsworth Park Woodland, adjacent to the lakeside path. Works to retain all other trees and shrubs, and minimise damage wherever possible.

All laurel to be chipped and either spread evenly and thinly within the woodland, or stockpiled on site for future use. Avoid spreading rhododendron chip within woodland.

All laurel and rhododendron stumps to be treated using approved glyphosate 450 to prevent re-growth, carefully brushed onto each stump by hand. Any future re-growth to be similarly treated.

**TREE & SHRUB PLANTING**

Cleared area to be planted with a mix of native shrubs and occasional trees to create an attractive and diverse woodland edge. Shrub species to include hazel, hawthorn, field maple, goat willow, elder, blackthorn and holly. Shrubs to be planted at 1m spacing.

Occasional standard tree species planted at approx. 10-15m spacing to include hornbeam, Scots pine, rowan, and London plane.

Layout of planting area and location of trees to be determined on the ground further to clearance

Chestnut pale fencing to be erected around the south-west side of the planting areas to protect from trampling; fencing to be removed once plants are established.

**WOODLAND MANAGEMENT**

Thin birch to help the remaining trees develop larger crowns. Halo thin around the larger oak to reduce competition. Clear laurel and rhododendron from within the woodland.

Works to be carried out in accordance with Felling Licence 019/320/2020 and the Goldsworth Park Small Woodland Management Plan, allowing for approx. 200 trees (est volume 40 m3) across the 1.55 ha area.

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**NATIVE SHRUB SCHEDULE**

SPECIES	%	NO.	SIZE	TYPE	
Blackthorn	<i>Prunus spinosa</i>	10	150	40-60cm	Bare root
Field maple	<i>Acer campestre</i>	15	225	40-60cm	Bare root
Hazel	<i>Corylus avellana</i>	20	300	40-60cm	Bare root
Hawthorn	<i>Crataegus monogyna</i>	30	450	40-60cm	Bare root
Holly	<i>Ilex aquifolium</i>	5	75	40-60cm	2 L Pot
Goat willow	<i>Salix caprea</i>	15	225	40-60cm	Bare root
Elder	<i>Sambucus nigra</i>	5	75	40-60cm	Bare root

**NATIVE TREE SCHEDULE**

SPECIES	NO.	GIRTH	HEIGHT	FORM	
Hornbeam	<i>Carpinus betulus</i>	2	10-12cm	2.5-3m	Standard
London plane	<i>Platanus x hispanica</i>	3	10-12cm	2.5-3m	Standard
Rowan	<i>Sorbus aucuparia</i>	2	10-12cm	2.5-3m	Standard
Scots pine	<i>Pinus sylvestris</i>	3	10-12cm	2.5-3m	Standard

**PRELIMINARIES**

- 1.1 Tree and shrub planting to only take place while soil and weather conditions are appropriate for the operations, and from the beginning of November to the end of February; planting outside of this window is possible but will require increased aftercare to ensure healthy plant establishment;
- 1.2 Layout of planting area and location of plants (in particular trees) to be determined on the ground further to completion of clearance works;
- 1.3 Access arrangements and site restrictions to be confirmed with Woking Borough Council prior to commencement of works.
- 1.4 Service drawings to be looked at on site and planting areas CAT prior to breaking ground; location of any known services to be discussed on site with Woking Borough Council;
- 1.5 All plants should be supplied at the same size and of the same species as specified in the planting schedules on the landscape proposals plan. Any proposed replacement species or deviation from the planting schedules should be highlighted to and agreed with the client prior to installation.

**NATIVE UNDERSTOREY PLANTING SPECIFICATION**

- 2.1 Planting to take place on completion of laurel and rhododendron clearance;
- 2.2 Keep bare root plants covered and damp prior to planting to avoid desiccation of roots in drying air;
- 2.3 Plants to be spaced at 1m centres;
- 2.4 Plant different species of shrubs in irregular groups of approx. 7-9 to avoid formal appearance;
- 2.5 Shrubs to be notch planted with all of the roots spread out in the notch to a depth of the root collar. The notch to be firmly closed with the heel and with the tree secured;
- 2.6 All plants to be fitted with biodegradable spiral guards with bamboo canes;
- 2.7 Planting area to be spread with well-rotted bark mulch to a minimum depth of 100mm;
- 2.8 190 l m of chestnut pale fencing to be installed along the south-western boundary to protect area from footpath users; fencing to remain in-situ until plants are established.

**TREE PLANTING SPECIFICATION**

- 3.1 Planting to take place on completion of laurel and rhododendron clearance;
- 3.2 Keep bare root plants covered and damp prior to planting to avoid desiccation of roots in drying air;
- 3.3 Follow any specific instructions provided by the nursery for planting the trees;
- 3.4 Precise location of trees to be determined on site prior to planting;
- 3.5 Tree pits to be dug to 1000 x 1000 x 700mm depth; break up bottom of tree pit to a depth of 200mm and ensure ground is free draining; loosen edges of pit using a fork to ensure good drainage;
- 3.6 Tree to be placed within the centre of the pit;
- 3.7 Prepare a mix of imported top soil with peat-free compost (approximately 30% compost to 70% soil) and backfill the hole, firming around to ensure the tree is not loose in the ground;
- 3.8 Standard trees shall be staked and supported with a low, single stake consisting of 1 no. 75mm x 2000mm rounded timber post driven into the ground at a 45 degree angle to approx. 450mm above ground level, fixed to the tree with a rubber tree tie.
- 3.9 Trees shall be installed with proprietary flexible perforated irrigation/aeration pipe with integral cap; pipe to be installed encircling the rootball to the full depth of the planting pit, with the final cap section install just above ground level and nailed securely in place to the stake.
- 3.10 Water the tree and ensure the root system is well saturated;
- 3.11 Cover the planting pit with well rotted bark mulch to a minimum depth of 100mm and a diameter of 1m; leave a hollow in the centre of the mulch around the stem of the tree (creating a donut shape) to avoid the base of the tree rotting.

**ESTABLISHMENT MAINTENANCE**

- 4.1 All soft landscape areas to be maintained to BS7370-4:1993.
- 4.2 Sufficient watering should be undertaken by the contractor at planting to establish healthy plant growth. For the first year of establishment, plants to be watered between April and September, with the frequency dependant on soil conditions and weather.
- 4.3 All failed / defective plants identified within the first 5 years of installation should be replaced at the soonest available planting season to ensure a continued coverage of growth. Replacement plants should be of the same species and specification of the failed specimens.
- 4.4 All planting areas should be kept tidy and free from weeds, trimmings, debris and litter. Weeds should be removed by hand unless where it is unfeasible; whereby weeds can be treated by the application of a suitable proprietary herbicide.
- 4.5 If necessary, herbicide usage to be limited to spray usage on calm days (no wind) and undertaken by suitably qualified operatives in accordance with current legislation.
- 4.6 Land owner's approval needed for all herbicide and fertiliser use both during planting and maintenance.
- 4.7 Tree stakes, ties and guards should be checked annually for adjustment and/or replacement/removal as required.
- 4.8 Mulch to be topped up annually to 100mm depth.

Client			Thames Water (Ian Crump)		
Project			Goldsworth Park Woodland Management		
Title			Woodland Management & Planting Plan		
Drawn	JC	Checked	SEF	Date	26.09.22
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Scale	NTS		Original Size	A2	
				Orientation	

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