

Figure 13.3 – Land to the West of Park Farm, Thornbury– Indicative Tree Growth Rates

**Trees**

Indicative tree species to be planted as shown.

		<b>Girth</b>	<b>Height at yr 1</b>	<b>Height 15yrs on</b>
<b>Trees along road frontage</b>				
Carpinus betulus	Hornbeam	16-18cm	4-4.5m (Clear Stem)	7.25m
<b>Street tree planting large</b>				
Quercus palustris	Pin Oak	16-18cm	4m (Clear stem)	6.75-7m
<b>Street tree planting medium</b>				
Acer campestre 'Elegant'	Field Maple cultivar	16-18cm	4-4.5m (Clear Stem)	7.25m
<b>Street tree planting small</b>				
Amelanchier grandiflora	Serviceberry	16-18cm	3.5m (Clear stem)	7.25m
<b>Hedgerow tree planting (planting into translocated hedgerow)</b>				
Acer campestre	Field Maple	10-12cm	2-2.5m	5.5m
Alnus glutinosa	Common Alder	10-12cm	2-2.5m	8.75m
Populus nigra	Black Poplar	10-12cm	2-2.5m	8.75m
Quercus robur	English Oak	10-12cm	2-2.5m	5.5m
<b>Parkland tree planting</b>				
Alnus glutinosa	Alder	16-18cm	4-4.5m	10.5m-14m
Populus nigra	Black poplar	16-18cm	4-4.5m	10.5m-14.4m
Quercus robur	English Oak	16-18cm	3.5-4m	6.75m
			<b>Height/spec at yr 1</b>	<b>Height 15yrs on</b>

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**Woodland structure planting**

Acer campestre	Field Maple	10%	1.25-1.5m	BR2x Feathered	4.5m
Carpinus betulus	Common Hornbeam	5%	1.25-1.5m	BR2x Feathered	4.5m
Cornus sanguinea	Dogwood	5%	60-80cm	BR 1+2 3 Breaks	3.8m
Corylus avellana	Hazel	15%	60-80cm	BR 1+2 3 Breaks	4-6m
Crataegus monogyna	Hawthorn	15%	60-80cm	BR 1+1	4.5m
Euonymus europaeus	Spindle	10%	60-80cm	BR 1+1	3.8m
Ilex aquifolium	Holly	5%	40-60cm	2L Leader/laterals	1.7m
Ligustrum vulgare	Wild Privet	10%	60-80cm	1+1 3 Breaks	2-3m
Malus sylvestris	Crab Apple	5%	40-60cm	1+1	4.5m
Prunus avium	Wild Cherry	5%	1.25-1.5m	BR2x Feathered	4.5m
Prunus spinosa	Blackthorn	10%	60-80cm	1+1 2 Breaks	3.8m
Quercus robur	English Oak	5%	1.25-1.5m	BR2x Feathered	4.5m

**Trees planting within structure mix**

Allow 1 tree per 25m sq (5m grid) planted in groups of 3-5 per species

Acer campestre	Field Maple	10%	12-14 cm, 3.5-4m high, feathered	6.75m
Alnus glutinosa	Common Alder	15%	12-14 cm, 3.5-4m high, feathered	10m
Betula pubescens	Downy Birch	20%	12-14 cm, 3.5-4m high, feathered	10m
Carpinus betulus	Common Hornbeam	15%	12-14 cm, 3.5-4m high, feathered	6.75m
Populus nigra	Black Poplar	15%	12-14 cm, 3.5-4m high, feathered	10m
Quercus robur	English Oak	25%	12-14 cm, 3-4.5m high, feathered	6.75m
Tilia Platophyllos	Large Leaved Lime	20%	12-14 cm, 3.5-4m high, feathered	6.75m

Growth Rates approved by Arbortrack June 2018