

Bristol City Council Tree Planting Design Guide

Function? →	Diversity? →	Design? →	Species? →	Support? ¹ →	Placement?
What function (s) should the trees perform? ↓	What diversity of species is appropriate? ↓	What design factors are appropriate? ↓	Which species should be planted? ↓	Test public support for tree planting ↓	Where should the trees be located? ↓
Tree Function Category	Practical Considerations	Design Principles	Function? ↓ Diversity? ↓ Design?	Customer Preference	Placement Rules
<p>Identify the function(s) the trees are required to perform</p> <ul style="list-style-type: none"> • Air pollution control • Beautify • Complement • Continuity • Emphasis • Food (fruit / nuts / berries) • Glare control • Noise control • Pedestrian safety • Road alignment • Screening • Shelter • Temperature control • Water runoff control • Wildlife <p style="text-align: center;">Multiple functional categories may be desired ↓</p>	<p>Select species taking account of practical considerations</p> <ul style="list-style-type: none"> • Replacing same or similar • Proven adaptability and suitability for site including space considerations • Availability • Cost to purchase / maintain 	<ul style="list-style-type: none"> • Repetition Duplicated / repeated identical or similar units • Sequence Consecutive / successive interchange of differing modules • Balance Equal distribution / symmetrical placement on a centre line • Scale Complementary relationship between size of trees and surroundings / users • Accentuation Extreme difference for effect 	<p>Select species that perform the required function(s), accord with diversity considerations and match the desired design</p>	<p>Ask residents / business / other interested parties their preferred choice of tree to plant based on the list provided (generated from consideration of function, diversity and design)</p>	<p>'Fine tune' design to account for general principles and further practical considerations</p> <ul style="list-style-type: none"> • Achieve minimum offsets from intrusive elements • Achieve minimum highway 'site lines' • Generally opposite planting, but consider alternate for narrow streets • Plant at final spacing reflecting mature crown spread • Mature crown spread should not exceed one-half the distance between trunk and adjacent building • Re-use existing tree pit may compromise design • Services may compromise design
Select Species by Function	Select Species by Diversity	Select Planting Design	Accept Species Options	Evaluate Feedback	Select Planting Location
Select species that deliver the required function(s)	Select species that deliver required Function(s) and Diversity considerations	Define preferred tree planting design plan	Generate list of acceptable tree species suitable for consultation	Progress planting, or Amend planting, or Abandon planting	Implement tree planting

¹ Consultation should be considered earlier in the process reflecting scale of the project / impact / local interest