



Bartlett Consulting Tree Tips is our way to keep in touch with you, providing information on the challenges we all face while working and managing our urban environments.

Please contact us with questions, or other subjects that you want to hear more about, via any one of our Bartlett Consulting teams.

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Engineering & Public Works Tree Protection – When to Think Outside the Box

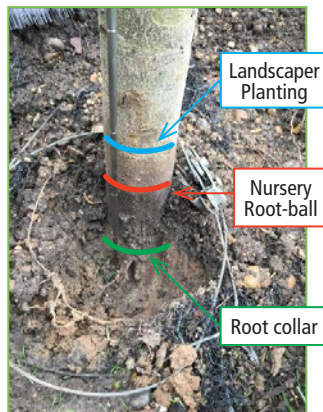
Prior to the commencement of demolition and construction activities, details of tree protection measures are often required by local municipalities. Consideration to both subterranean (roots and rooting environment) and aerial parts (stem, branches, leaves) of retained trees must be paid, to safeguard them from damage.

While there are guidance documents in the US on how trees should be protected, not all sites or trees fit 'cleanly' into these documents and specifications. As consultants advising our clients we occasionally need to get creative and 'think outside of the box' by putting trees in a box!



This plywood tree protection box with support was created for a street tree with a 45 degree directional lean.

Landscape Architecture Proper Tree Planting Techniques



The root collar should be exposed; this tree was planted much too deeply.

Despite the existence of ANSI Standards in the United States, we continue to see poor quality planting, which results in slow and inhibited tree establishment, commonly leading to the failure of newly planted trees.

Illustrated here is one of 15 Persian Ironwood (*Parrotia persica*) trees planted by a landscaper on behalf of a homeowner. We were called in to assess the trees post-planting as they were all showing signs of declining health. Our initial investigations showed that the vital root collar area (green line) had been buried by 10 inches of soil, initially in the nursery/root-ball (red line) and then when planted on-site (blue line).

Good planting practice is essential to avoid the unnecessary waste of good trees, the cost of purchasing and planting trees, and the additional cost of further tree removal and replanting.

Planning & Development The Amazing World of Tree Fungus

Fungal brackets and toadstools come in many shapes sizes, colors and textures; appear at different times of the year; and on a wide variety of tree species. These fruiting bodies represent a huge network of mycelium working away unnoticed underground, and within trees, breaking down wood.

As tempting it is to remove fungal fruiting bodies from your favorite garden tree, to Arborists these are the first clues in identifying the fungal pathogen and how it may be affecting the health and structure of your tree.

Fungal fruiting bodies are clues to identify fungal pathogens that are affecting trees.

