



4.6.1 For single stem trees, the RPA (see 3.7) should be calculated as an area equivalent to a circle with a radius 12 times the stem diameter. For trees with more than one stem, one of the two calculation methods below should be used. In all cases, the stem diameter(s) should be measured in accordance with Annex C, and the RPA should be determined from Annex D. The calculated RPA for each tree should be capped to 707 m².

- a) For trees with two to five stems, the combined stem diameter should be calculated as follows:

$$\sqrt{(\text{stem diameter } 1)^2 + (\text{stem diameter } 2)^2 \dots + (\text{stem diameter } 5)^2}$$

No.	Date	Appr	Revision Notes
			Category U Retained
			Category U Removed
			Category A Retained
			Category A Removed
			Category B Retained
			Category B Removed
			Category C Retained
			Category C Removed
			Proposed Hard Surface
			Proposed Building
			Ground Protection
			Barrier Protection
			Root Protection Area

No.	Date	Issue Notes

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Consultant	Dr John Graham

Project Title	BS5837 2012 AIA
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Sheet Title	Appendix 4 Tree Constraints Plan Area 3 Topo
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Project Manager Bruce Wilkinson	Project ID Southern Windermere Trail
Drawn By CR	Scale 1:200 @ A0
Reviewed By JG	Sheet No. Sht-3
Date	of
CAD File Name LDNPA	4

Revision Notes:

Survey Note:
Survey on planar grid, referenced to OSGB36 at the
starting point:
39716.75mE
487616.22mN
Contours @ 0.5m intervals.

Survey Key:

	Wall		Cover
	Kerb		Fire Hydrant
			Water Supply
			Lamp Post