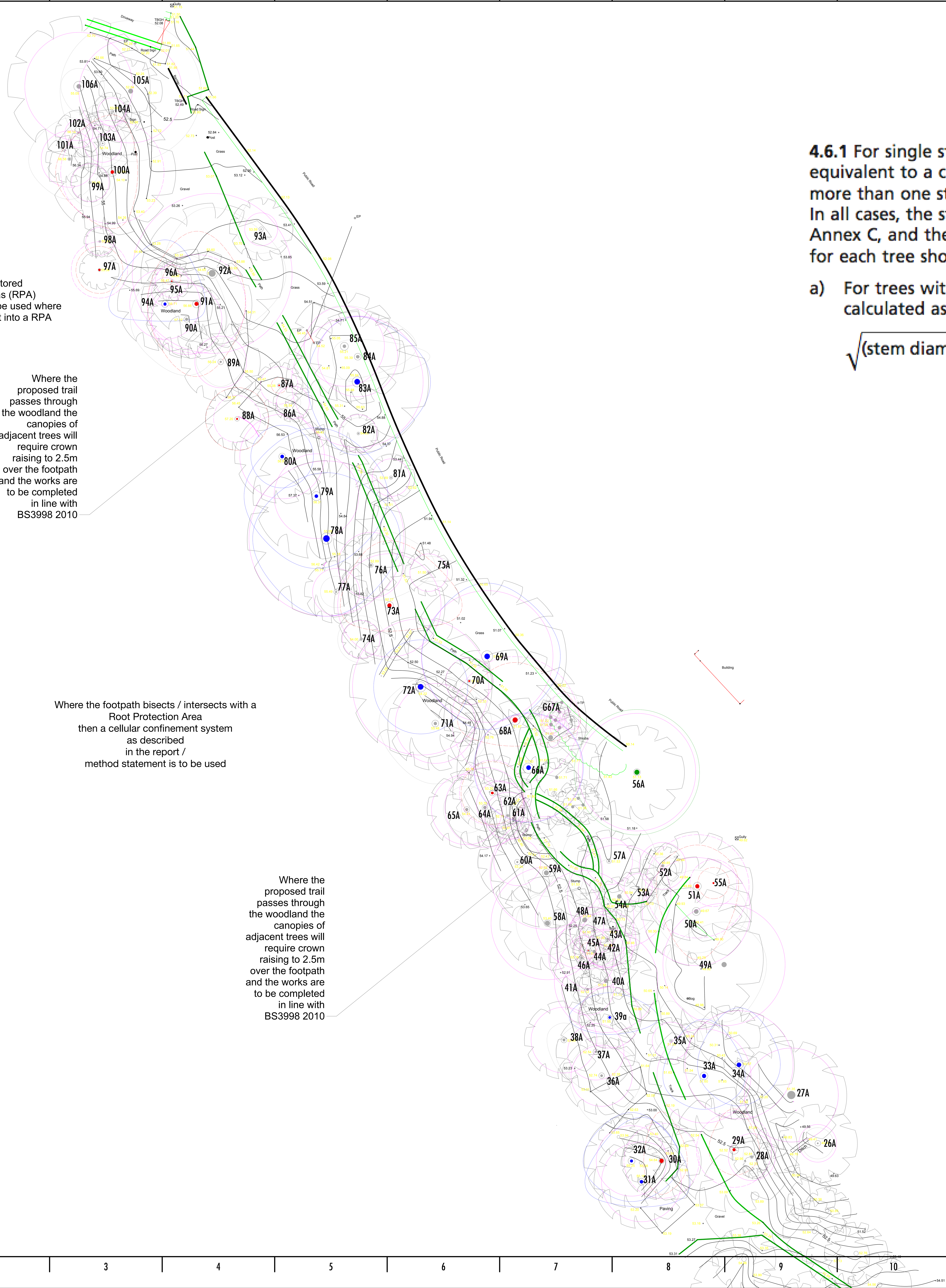

No materials are to be stored in the Root Protection Areas (RPA) ground protection boards must be used where possible for any encroachment into a RPA

Where the proposed trail passes through the woodland the canopies of adjacent trees will require crown raising to 2.5m over the footpath and the works are to be completed in line with BS3998 2010

Where the footpath bisects / intersects with a Root Protection Area then a cellular confinement system as described in the report / method statement is to be used

Where the proposed trail passes through the woodland the canopies of adjacent trees will require crown raising to 2.5m over the footpath and the works are to be completed in line with BS3998 2010

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 m^2.

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

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

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

Design Firm: Arbconsultants Ltd, Myerscough College, Bilsborrow Lancashire, PR3 0RY

Consultant: Dr John Graham

Project Title: AIA BS5837 2012

Sheet Title: Appendix 4 Tree Constraints Plan

Project Manager	Sharon Hodgson	Project ID	Southern Windermere Trail
Drawn By	CR	Scale	1:200 @ A0
Reviewed By	JG	Sheet No.	Sht-3 of 3
Date	Date		
CAD File Name	LDNPA		