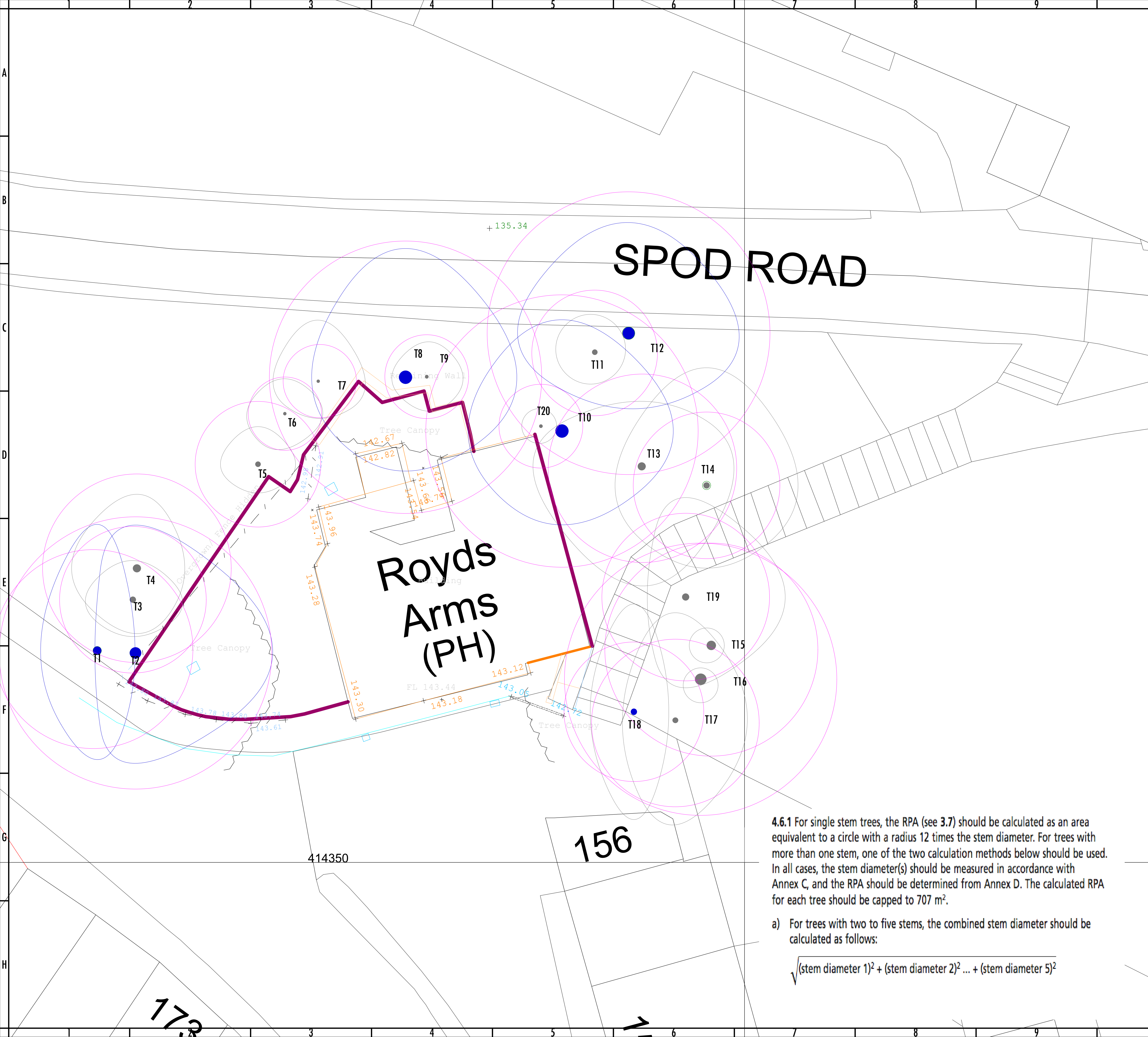




No.	Date	Appr	Revision Notes	
			Category U Retained	
			Category U Removed	
			Category A Retained	
			Category A Removed	
			Category B Retained	
			Category B Removed	
			Category C Retained	
			Category C Removed	
			Ground Protection	
			Barrier Protection	
			Cellular Confinement System	
			Specialist foundation	
			Root Protection Area Retained	
			Root Protection Area Felled	

No.	Date	Issue Notes	

Design Firm	Arbconsultants Ltd Myerscough College Bilsborrow PR3 0RY		
Consultant	Dr John Graham		
Project Title	BS5837 2012 AIA		
Sheet Title	Appendix 4 Tree Constraints Plan		
Project Manager Avnish Panchal	Project ID Royd		
Drawn By JG	Scale 1:100 @A1		
Reviewed By CR	Sheet No.	Sht-3 of 4	
Date Date			
CAD File Name Avnish			

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:

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