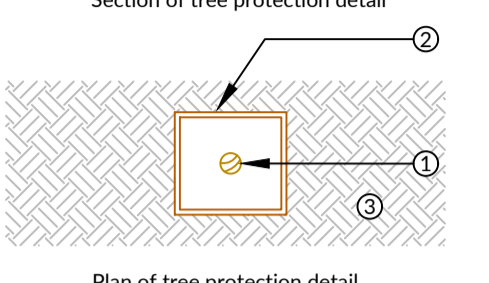
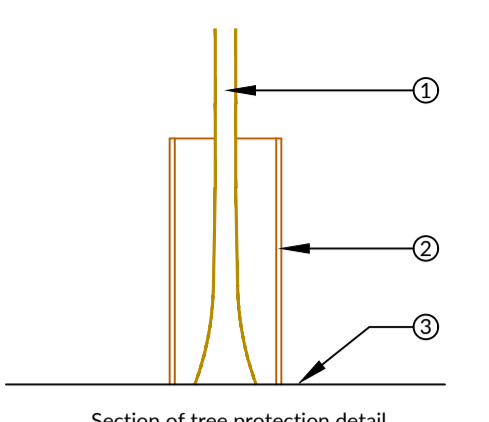


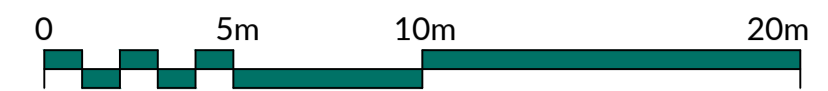
Figure 4: Timber boxing to protect tree trunk



1. Trunk of tree
2. Plywood box, typically 2.4m high, width to accommodate trunk
3. Existing ground level

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Tree No.	Species	Ht (m)	Branch Spread (m)					Stem diameters (cm)					Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS 3998	Root protection radius (m)	Root protection area sqm	
			N	E	S	W	Single Stem	2-5 stems				More than 5 stems										
			Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia	No. stems													
1	London Plane	23	1	12	11	10	76							7	6E	M	B1	>20	3.4m from the building. Good overall condition with asymmetric crown form as a consequence of growing against the building. Good separation between the building and the crown. The southern side of the crown overhangs		9.12	261



- NOTES
1. The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
 2. Do not scale from this drawing.
 3. All dimensions to be checked on site.
 4. The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
 5. Details shown on this drawing are devised with reference to BS5837:2012: Trees in relation to design, demolition and construction - Recommendations.
 6. Check if Tree Preservation Order or Conservation Area protection applies to trees before undertaking tree works.
 7. Topographical survey based on ASTUDIO architecture drawing number 0599.
 8. Tree plotted by eye.
 9. Ground Level Plan Combined based on ASTUDIO drawing number TH-AS-A-CP-A-PL-00-SI-0700 Rev P2.

- KEY
- Existing site features
 - Proposed structures
 - Tree retained
 - Timber boxing as in Figure 4

- KEY TO TREE SCHEDULE
- | | |
|---|--|
| Column Heading | Explanation |
| Tree No. | Unique number corresponding with number on plan |
| Species | English names |
| Ht (m) | Height in metres |
| Branch Spread | Crown radius in metres to cardinal points of the compass. All measurements conform to Annex C of BS 5837:2012 |
| Stem Dia | Single stem - Stem diameter in centimetres measured at 1.5m above ground level.
Multi-stemmed tree with 2 to 5 stems - Diameter of each stem
Multi-stemmed tree with more than 5 stems - Average stem diameter and number of stems |
| Height of crown clearance | Height in metres between the ground and underside of canopy |
| Height of first major branch and direction of growth | Height from ground level to base of first major branch and the approximate direction of growth |
| Abbreviations as suffix to a dimension | Suffix 'e' denotes an estimated dimension |
| Age Class | Suffix 'av' denotes an average dimension
Age Class definitions:
Y = Young S = Semi-mature E = Early mature
M = Mature O = Over mature
Summary of BS 5837: 2012 categorisation: |
| Category grading and Estimated remaining Contribution (yrs) | 1. Trees unsuitable for retention:
U = those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years
2. Trees to be considered for retention:
A1, 2 or 3 = trees of high quality (substantial contribution >40 yrs)
B1, 2 or 3 = trees of moderate quality (significant contribution >20 yrs)
C1, 2 or 3 = trees of low quality (but adequate, ie >10 yrs or young trees - until new planting can be established)
Useful estimated remaining contribution of the tree or tree group
Brief description including physiological and structural defects
Works required to be undertaken to the trees to facilitate the construction of remediate a defect encountered during the survey
Radius of minimum root protection area in metres calculated from section 4.6 and Annex D
Total area of minimum root protection area extrapolated from root protection radius |
| Estimated remaining contribution | |
| Condition | |
| Tree Works | |
| Root Protection Radius | |
| Root Protection Area | |

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Rev	Description	Date

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Title
TREE PROTECTION PLAN

Date	Scale
NOV 2017	1:200@A1
Drawn by	Checked by
ML	AP
Drawing Number	
9904-KC-XX-YTREE-TPP02Rev0	

