

General Notes:

All tree work is to be undertaken in accordance with British Standard BS 3998:2010 Tree Work - Recommendations. At all times, care is to be taken of the ground around retained trees to avoid any ground compaction as a result of the works or tree surgery.

At all times, no equipment or vehicles during construction shall be parked or driven under tree crowns to prevent compaction and root death.

Protective Fencing

The fencing must be erected prior to any works in the vicinity of the trees and removed only when all development activity is complete. The protective fencing must be in accordance with BS 5837 (see images on the plan).

The hedges panels must be joined together using a minimum of two anti-lamper couplers which must be installed so they can only be removed from the inside of the fence. The panels must be supported by stabilizer struts, installed on the inside and secured to the ground using pins appropriate weights.

The Fence must be marked with a clear sign reading:

"Construction Exclusion Zone - No Access"

CONSTRUCTION EXCLUSION ZONE

This area has been identified as a Tree Protection Zone. No Access is to be Permitted. Do Not Enter Without Specific Instruction from the Tree Officer or Project Arboricultural Consultant.



Ground Protection

New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

The ground protection might comprise one of the following:
- for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, as to form a suspended walkway, or on top of a compression resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane;

- for pedestrian-operated plant up to a gross weight of 2t, proprietary inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane;
- for wheeled or tracked construction traffic exceeding 21 gross weight, an alternative system (e.g. proprietary system or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

For situations other than those described the ground boarding is to be designed by a suitably qualified person to an engineering specification in conjunction with arboricultural advice, to be able to support the expected loading to be placed upon it.

In all cases, the ground boarding is to be provided to avoid compaction of the soil, so that tree root function remains unimpacted.

Demolitions and Excavations

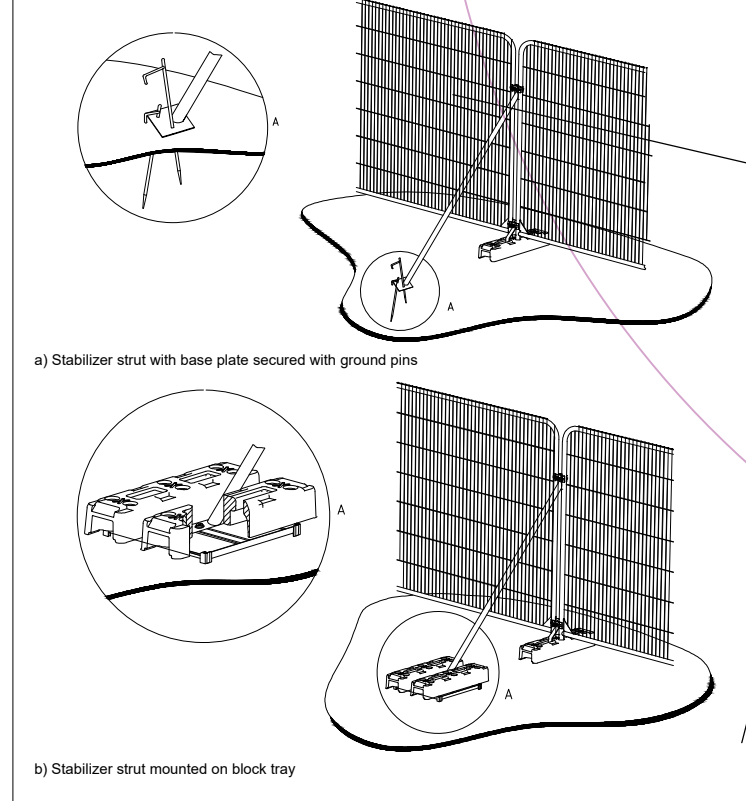
If the existing structures within RPA of the retained trees do not require removal to facilitate the development, they must be left in situ for the main phase of building works to offer additional protection and then removed as part of the landscaping phase, once all larger machinery has left site.

All machines must work outside the RPAs. All removed material must be moved and stored outside RPAs at all times. If during the works any roots (in excess of 50mm) from the retained trees are found a specialist arboriculturalist must be contacted immediately to assess the roots and arrange working methods that will cause no harm to the trees. If any roots are exposed they should be covered immediately and the arboriculturalist must be contacted immediately to assess and prepare a working method avoiding any harm to the trees.

Other protective measures

- no trees lit on site within 20m of any trees to be retained
- no fuels, oils or substances damaging to the trees shall be spilled or poured on site

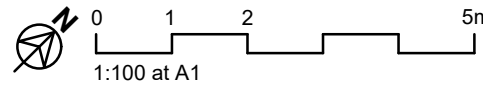
Figure 3 Examples of above-ground stabilizing systems



Status

PLANNING

1. Scalable for planning purposes only. Do not scale of this drawing for construction.
2. All ATRIO ARCHITECTURE LTD drawings to be read in conjunction with written specification and all other consultant drawings.
3. All dimensions to be checked on site
4. Any errors or omissions to be reported to ATRIO ARCHITECTURE immediately, prior to work being carried out.
5. This information is copyright protected.



Key

- Category A tree
Trees of high quality with an estimated life expectancy of 40+ years. Usually large trees with significant presence or smaller trees with excellent form.
- Category B tree
Trees of moderate quality with a life expectancy of 20+ years. Usually maturing trees, or younger trees with good form. Retention of these trees is desirable though less than Category A trees.
- Category C tree
Unremarkable trees of low quality and merit. Individual specimens are not considered to be a material planning consideration.
- Category U tree
Tree unsuitable for retention due to their very poor condition.

Root Protection Area
(radius = 12 x stem diameter)

Root Protection Area
(amended to account for site conditions)

T1	Tree number	G1	Group number	H1	Hedge number
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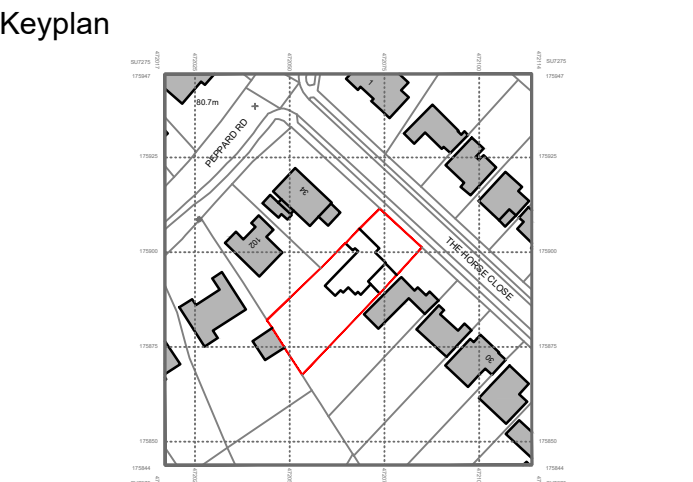
No.	Species	Est. Height (m)	Single / Multi-Stemmed (S or M)	Stem Diameter (mm)	RPA (radius) (m)	Comments
T1	Oak	14	S	1020	12.24	No notable defects recorded during survey
T2	Ash	12	S	780	9.36	No notable defects recorded during survey
T3	Ash	6	M	290	3.46	No notable defects recorded during survey
T4	Ash	8	S	450	5.40	No notable defects recorded during survey
T5	Birch	5	M	300	3.6	No notable defects recorded during survey
T6	Cedar	5	S	300	3.60	No notable defects recorded during survey
T7	Cedar	-	S	350	4.20	Tree already felled
T8	Cedar	7	S	400	4.80	No notable defects recorded during survey
T9	Cedar	7	S	400	4.80	No notable defects recorded during survey
T10	Cedar	5	S	300	3.60	No notable defects recorded during survey

No.	Revisions	Date
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Title

TREE SURVEY & PROTECTION PLAN

Job	Drawing No.		Rev.
01624	A-121		A
Drawn	Scales at A1	Scales at A3	Date
-	1:100	1:200	08/25