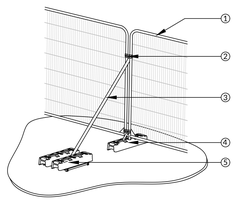
Figure 1: Example of a protective barrier



1. Steel mesh panel
2. Connectors fitted to secure panels
3. Diagonal strut
4. Block feet to avoid driven scaffold poles
5. Block tray weighted with blocks

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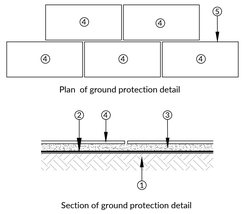
Figure 2: Typical ground protection detail



1. Existing ground
2. Geotextile membrane eg. Terram 1000 or similar
3. Compression-resistant layer (e.g.100mm depth of woodchip)
4. Robust sheets (timber, steel, recycled plastic) overlying Terram 1000 or similar
5. Where wider than one sheet stagger joints

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NORTH

0 5m 10m 25m 50m

NOTES

1. **This tree survey information has been prepared for planning purposes only. Additional detail will be needed for foundation design.**
2. The original of this drawing was produced in colour – a monochrome copy should not be relied upon.
3. Scale for planning purposes only.
4. All dimensions to be checked on site.
5. The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
6. Details shown on this drawing are devised with reference to BS5837:2012 *Trees in relation to design, demolition and construction - Recommendations.*
7. Check if Tree Preservation Order or Conservation Area protection applies to trees before undertaking tree works.
8. Topographical survey based on Brunel Surveys Ltd drawing number 13894-500-001.
9. Where trees were not identified on the topographical survey they have been plotted by eye.
10. Masterplan based on Persimmon Homes drawing ref 611_PL_002_Ph2.

KEY

- Existing site features
- Proposed structures
- Trees retained (Green-coloured line indicates extent of canopy)
- Trees for removal (Red-coloured dash line indicates extent of canopy)
- 2.0m high barrier as detail in Figure 1
- Area of ground protection as detail in Figure 2

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
Stem Dia	All measurements conforms to Annex C of BS 5837:2012
	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 Suffix 'av' denotes an average dimension
Age Class	Age Class definitions: Y = Young S = Semi-mature E = Early mature M = Mature O = Over mature
Category grading and Estimated remaining Contribution (yrs)	Summary of BS 5837: 2012 categorisation: 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 that 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)
Estimated remaining contribution	Note: Useful estimated remaining contribution of the tree or tree group based on figures stated in BS5837:2012
Condition	Brief description including physiological and structural defects
Tree Works	Works required to be undertaken to the trees to facilitate the construction of remediate a defect encountered during the survey
Root Protection Radius	Radius of minimum root protection area in metres calculated from section 4.6 and Annex D of BS5837:2012
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius

Survey of trees at Phase 2, West Sompting

Tree No.	Species	Ht (m)	Branch Spread (M) N	E	S	W	Stem diameters (cm) Single Stem	2-5 stems Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	More than 5 stems Mean dia	No. of stems	Height of crown clearance (m)	Height of first branch (m) and direction of growth	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS 3998	Root protection area (RPA) radius m	Root protection area sq.m
1	Group of ash and elm	6av	2av				15av								0	-	S	C2	>10	Poor quality trees adjoining entrance to footpath from Dankton Lane.	Remove.	1.80	10
2	Horse chestnut	9	3	4	2	3	35e								2	2W	Y	C1	>10	Small tree growing amidst hedgerow. Lower stem densely smothered in ivy. Heavily infected with Leaf Miner and Guignardia disease.		4.20	55
3	Group of horse chestnut	7av	3av				25av								2	2W	Y	C2	>10	Linear collection of planted trees growing towards field edge. None of any particular merit and some with damage to lower stem as a result of browsing. Heavily infected with Leaf Miner and Guignardia disease.		3.00	28
4	Predominantly elm hedgerow	6av	3av				5av								0	-	Y	C2	>10	Sparse hedgerow consisting of remnants of formerly managed hedgerow. Has recently been cleaned out to remove dead stems. Contains hawthorn, blackthorn and holly.		0.60	1
5	Mixed broadleaf hedge	6av	3av				10av								0	-	E	B2	>20	Established hedgerow of predominantly hawthorn and elm. Provides good low level screening between fields and A27.	Remove section as shown.	1.20	5
6	Ash	10	5	4	4	3	49								2	2N	Y	C1	>10	Young tree growing close to post and wire fence. Ash Dieback		5.88	109
7	Ash	8	3	3	3	3	17								1.2	1.2S	Y	C1	>10	Young tree growing along fence line.		2.04	13
8	Ash	12	6	7	5	5	49								1.2	1.2S	Y	C1	>10	Showing signs of Ash Dieback.		5.88	109
9	Hawthorn hedgerow	4av	1av				5av								0	-	Y	C2	>10	Recently established hedgerow dividing fields.	Remove section as shown.	0.60	1
10	Sycamore	10	7	7	7	7	55e								2	2W	S	C1	>10	Established tree growing amidst dense cluster of bramble.		6.60	137
11	Ash	10	4	4	2	2		33	29						2	2N	Y	C1	>10	Young tree that forks at circa 1.2 metres above ground level. Of stunted form. Showing signs of Ash Dieback.	Remove.	5.27	87
12	Norway maple	12	4	5	5	4	61								1.8	1.8W	Y	U	<10	Primary failure of main fork. Liable to collapse.	Remove.	7.32	168
13	Norway maple	11	4	5	3	3	49								2.5	1.8S	Y	C1	>10	Young tree growing in line of similar sized trees.	Remove.	5.88	109
14	Norway maple	14	5	5	4	4	63								1.8	1.5W	Y	C1	>10	Young tree growing in line of similar sized trees.	Remove.	7.56	180
15	Lime	12	6	6	6	5	59								1.8	1.8N	Y	C1	>10	Young tree of broad, squat form.	Remove.	7.08	157
16	Roble beech	11	6	7	7	7	50								2	2W	E	U	<10	Virtually dead.		6.00	113
17	Roble beech	17	7	7	8	7	65e								2	2S	Y	B1	>20	Unusual species and appears to be in good condition. Growing amidst dense bramble so unable to undertake full assessment.		7.80	191
18	Sycamore	13	6	6	6	6		30e	30e	30e					2	2N	Y	C1	>10	Young tree growing amidst dense bramble. Stems densely clad in ivy.	Prune to provide 2m clearance from proposed building.	6.24	122
19	Small broadleaf copse	13av	5av				35av								2	2N	Y	B2	>20	Small mixed species copse including ash, Norway maple, field maple and beech with some hawthorn, rowan, holly and elder in the understorey. Of recent creation with no trees of any particular merit. Several trees bare significant defects like tight union		4.20	55
20	Hawthorn	5	2	4	3	4		17	16	13	14	15			2	2SW	E	C1	>10	Of squat multi-stemmed form growing close to flint wall.		4.04	51
21	Beech	15	7	8	7	8	84								2	2S	M	U	<10	Extensive dieback in upper crown. Decaying remnants of fungal fruit bodies around base, likely to be (*Meripilus giganteus*) , that indicates extensive root decay.	Remove.	10.08	319
22	Group of elm	14av	5av				30av								0	-	S	C2	>10	Likely to succumb to Dutch Elm Disease.		3.40	41
23	Hawthorn	9	5	4	4	4							15e	10	0	-	Y	C1	>10	Growing along line of wall.		6.97	153
24	Predominantly elm hedgerow	4av	2av				5av								0	-	Y	C2	>10	Growing along West Street although likely to succumb to a recurrence of Dutch Elm Disease.	Remove section as shown.	0.60	1

Rev	Description	Date
A	Section of hedgerow 9 retained	08.05.25
0	Preliminary issue	08.08.24

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Client
PERSIMMON (THAMES VALLEY)

Project
PHASE 2,
WEST SOMPTING

Title
TREE PROTECTION PLAN

Date	Scale
AUG 2024	1:500@A0
Drawn by	Checked by
MJE	JTK

Drawing Number
2246-KC-Ph2-YTREE-TPP01RevA