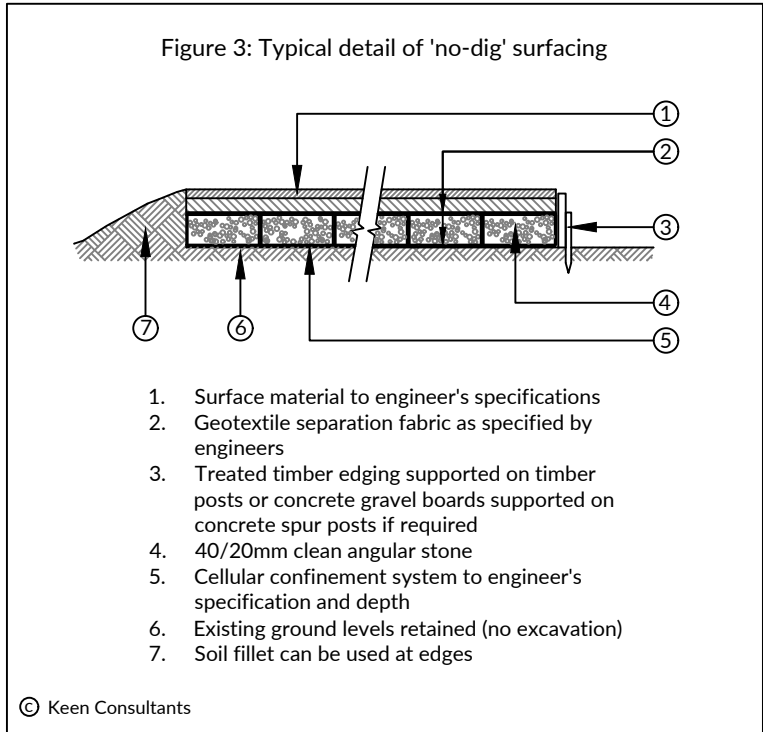
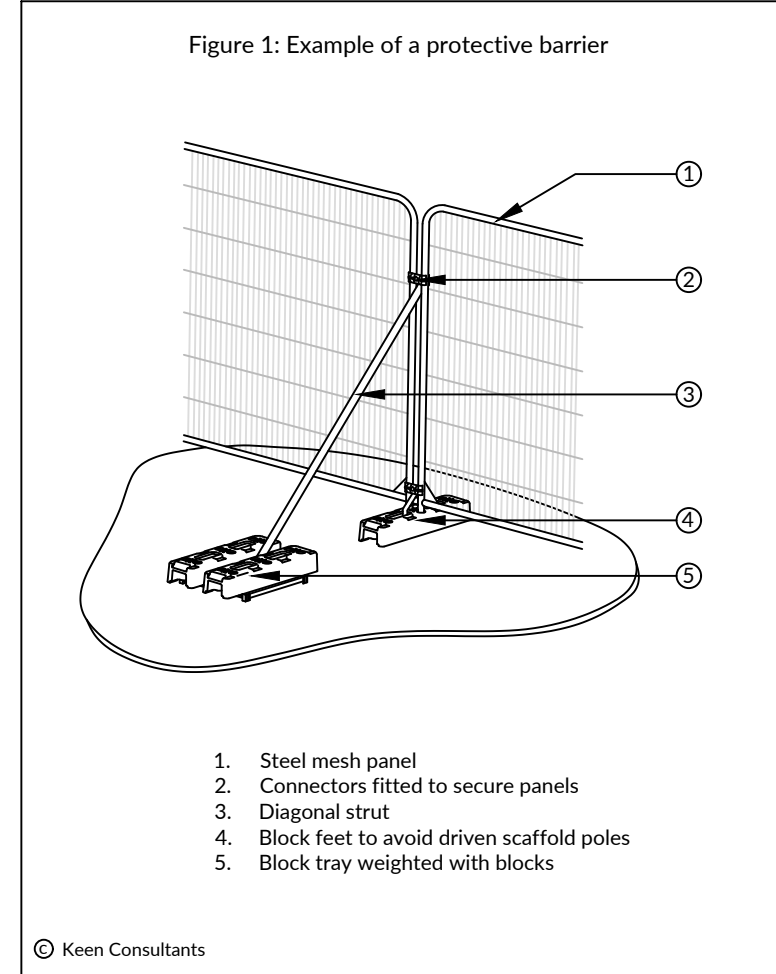
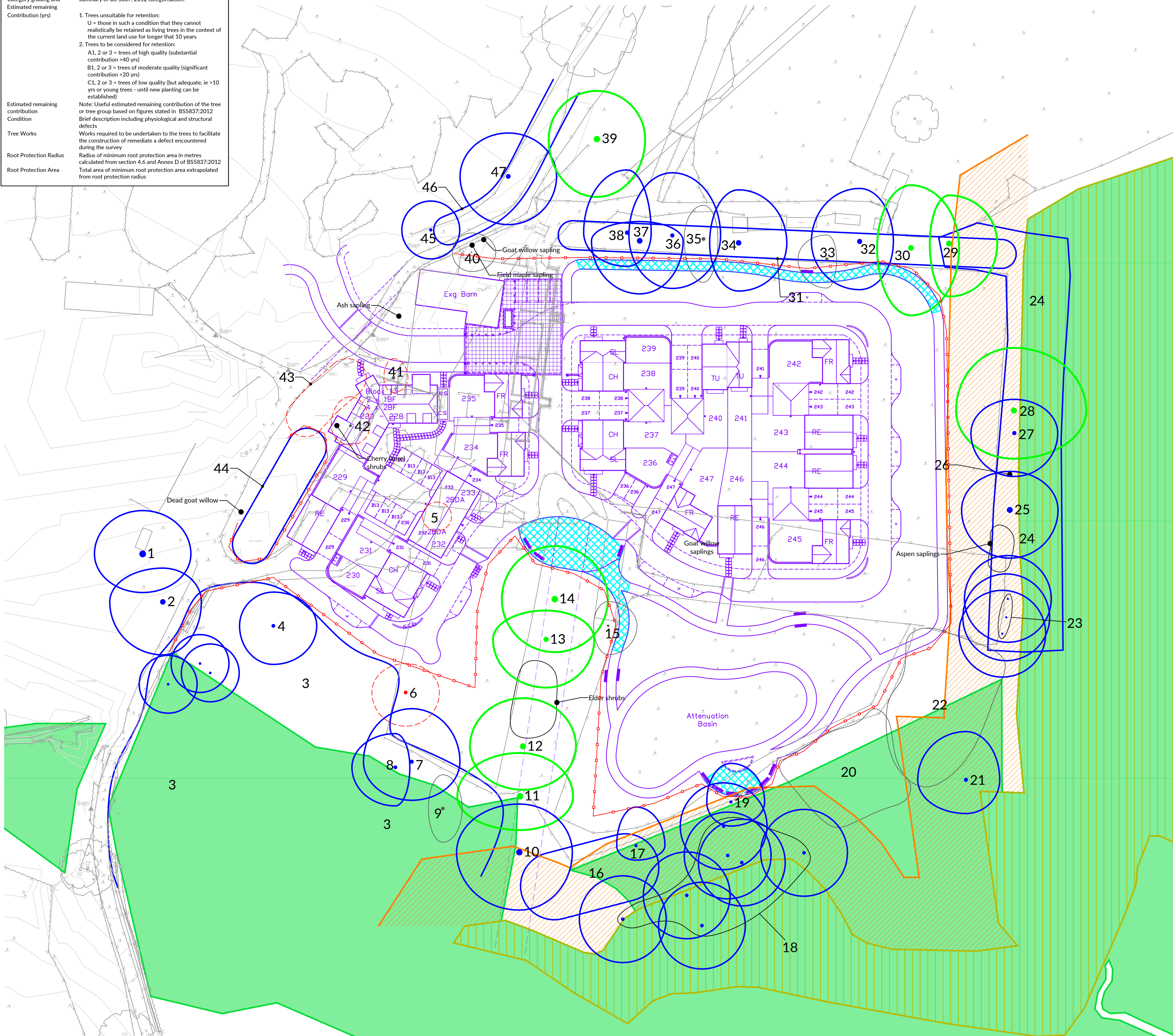


Trees at Parcel 1.3, Phase 1B, Northern Arc, Burgess Hill, Mid Sussex																								
Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of free branch (m) and crown clearance (m)	Height of crown clearance (m)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS 3998	Root protection radius (m)	Root protection area sq. m	
			N	E	S	W	Single Stem	2-5 stems				More than 5 stems												
								Stem 1	Stem 2	Stem 3	Stem 4		Stem 5											
1	English oak	18	9	10	8	10	130e								6	6E	E	B2	>20	Stands within small copse to west of Freaks Lane.		15.00	707	
2	English oak	17	7	8	11	11	106								3	3S	M	B1	>20	Large example to west of Freaks Lane. Some crown dieback and large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	12.72	508	
3	Mixed broadleaf copse	14av				6av		45av							4	4N	E	B2	>20	Established copse growing at edge of site. Predominantly ash and English oak with some hazel, hawthorn and elder. Ash showing early signs of Ash Dieback.		5.40	92	
4	Ash	17	7	9	8	7	69								3	3E	E	B2	>20	Larger component of copse. Showing early signs of Ash Dieback.		8.28	215	
5	Blackthorn	6	3	3	3	3	16								1	1E	Y	C1	>10	Small tree growing against fence line.		1.92	21	
6	Ash	16	6	7	7	7			18	36	39	37			4	4NW	E	U	<10	Extensive Ash Dieback. Some decay pockets in lower stems. Unsuspected long-term retention.	Remove.	8.06	204	
7	English oak	18	11	10	8	10	75e								2	2E	E	B2	>20	Stands at northern edge of woodland containing similar sized oaks.		9.00	255	
8	English oak	16	7	3	8	9	70e								4	4W	E	B2	>20	Stands at northern edge of woodland containing similar sized oaks.		8.40	222	
9	English oak	17	7	4	7	3	65e								2	2S	E	C2	>10	Poor specimen having been compromised by adjoining better trees. Contributes to woodland.		7.80	191	
10	English oak	19	10	11	12	13	124								7	7NW	E	B2	>20	Large example of woodland. Partial covering of ivy on lower stem.		14.88	696	
11	English oak	18	9	11	7	13	126								2	2W	M	A2	>40	One of a row of similar sized trees along ditchline. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	15.00	707	
12	English oak	17	10	11	9	11	121								2	2S	M	A2	>40	One of a row of similar sized trees along ditchline. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	14.52	662	
13	English oak	17	6	10	10	11	101								3	3W	M	A2	>40	One of a row of similar sized trees along ditchline. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	12.12	462	
14	English oak	18	11	11	11	11	127								3	3N	M	A2	>40	One of a row of similar sized trees along ditchline. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	15.00	707	
15	Cherry	10	5	6	6	3		31	27						2	2E	S	C1	>10	Small tree growing adjoining building.	Crown lift to 3m above proposed pathway.	4.93	76	
16	Group of English oak	17av			7av		50av								4	4N	E	B2	>20	Cluster of closely spaced stems growing at northern edge of woodland block.		6.00	113	
17	Group of English oak	18	8	6	3	4	57								2	4N	E	B2	>20	Stands against chainlink fence at northern edge of woodland block.		6.84	147	
18	Group of English oak	18av			9av		65av								0	-	E	B2	>20	Components of woodland block that lies to the south of the parcel.		7.80	191	
19	English oak	16	8	7	5	5	55e								2	3NW	E	B2	>20	Established tree growing at northern edge of wood. Main stem covered in ivy. Growing next to chainlink fence.	Crown lift to 3m above proposed pathway.	6.60	137	
20	Mixed tree group	9av			3av		15av								0	-	S	C2	>10	Cluster of small stems growing to south of deer fencing. Species include goat willow, elder, silver birch and aspen.		1.80	10	
21	English oak	18	10	7	7	10	74								7	7NW	E	B2	>20	Contributes to wood south of site.		8.88	248	
22	Group of aspen	18av			6av		40av								3	3W	E	C2	>10	Dense cluster of aspen stems growing just outside deer fencing.		4.80	72	
23	Group of English oak	14av			9av		35av								2	2W	S	B2	>20	Larger components at woodland edge.		4.20	55	
24	Mixed broadleaf woodland	11av			6av		25av								0	-	E	B2	>20	Established block of woodland growing beyond chainlink fence. Mixed species including hazel, holly, hawthorn and occasional ash and English oak. Western edge of woodland appears to be defined by a ditch and bark. Chainlink fence and Here's fencing lie to the west of that ditch.		3.00	28	
25	English oak	17	8	10	10	10	114								4	4W	E	B2	>20	Larger component of woodland.		13.68	588	
26	Dead oak														U		E		<10	Dead.	Remove or retain lower section as monolith for ecological resource.	0.00	0	
27	English oak	18	7	9	9	9	81								4	4W	E	B2	>20	Larger component standing at western edge of wood.		9.72	297	
28	English oak	19	13	15	10	12	114								3	3NW	M	A2	>40	Larger component standing at western edge of woodland.		13.68	588	
29	English oak	17	10	10	11	4	115e								1	3S	E	A2	>40	Forms part of a line of similar sized trees in hedgerow along northern boundary. Lower stem and much of crown smothered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	13.80	598	
30	English oak	18	13	10	14	7	111								2	4S	E	A2	>40	Forms part of a line of similar sized trees within hedgerow to north of site. Some deadwood within crown. Some cavities associated with past branch loss. Occasional woodpecker hole indicating internal decay.	Remove all deadwood in excess of 25mm in diameter. Crown lift to 3m above proposed pathway.	13.32	557	
31	Mixed broadleaf hedge	7av			3av		15av								0	-	E	B2	>20	Established but outgrown band of trees bisecting fields. Mixture of species including holly, hawthorn, hazel and blackthorn.		1.80	10	
32	English oak	17	11	7	10	10	97								3	4S	E	B2	>20	Forms part of a line of similar sized trees growing within hedgerow. Some deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	11.64	426	
33	English oak	15	5	2	6	6	60e								6	6S	S	C1	>10	Poor shape and form. Lower stem smothered in ivy. Consider removal to favour adjoining better oak.	Remove.	7.20	163	
34	English oak	18	11	10	10	6	105e								2	5S	E	B2	>20	Forms part of a line of similar sized trees growing within hedgerow. Lower stem smothered in ivy. Some deadwood within crown.	Remove all deadwood in excess of 25mm in diameter. Crown lift to 3m above proposed pathway.	12.60	499	
35	English oak	12	7	3	9	4	69								2	3S	E	C2	>10	Off poor shape and form being compromised by adjoining better trees.	Crown lift to 3m above proposed pathway.	8.28	215	
36	English oak	19	13	10	11	9	77								3	6S	E	B2	>20	Forms part of a line of similar sized trees growing within hedgerow. Some large deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	9.24	268	
37	English oak	19	4	9	11	10	110e								2	5SW	E	B2	>20	Forms part of a line of similar sized trees within hedgerow. Main stem densely smothered in ivy. Asymmetric crown due to competition with adjoining trees.	Crown lift to 3m above proposed pathway.	13.20	547	
38	English oak	18	13	5	7	9	82								3	3SW	E	B2	>20	Forms part of a line of similar sized trees growing within hedgerow. Some deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	9.84	304	
39	English oak	16	10	10	12	10	125e								2	4S	E	A1	>40	Broad-spreading example growing to east of Freaks Lane. Main stem covered in ivy. Some deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	15.00	707	
40	Ash	11	4	5	4	4	21								2	2N	Y	C1	>10	Small tree growing adjoining building. Showing advanced signs of Ash Dieback.		2.52	20	
41	Lawson cypress	10	4	3	3	2	35e 35e								2	2E	E	C1	>10	Established multi-stemmed conifer growing adjoining building. Stems partially smothered in ivy.	Remove.	7.27	166	
42	Silver birch	14	6	4	4	4	35e 35e								2	2E	S	C1	>10	Small twin-stemmed tree growing adjoining mobile home. Both stems partially smothered in ivy.	Remove.	5.94	111	
43	Row of Lawson cypress	14av			4av		35av								0	-	E	C2	>10	Short row of conifers amidst cherry laurel shrubs.	Remove.	4.20	55	
44	Mixed tree belt	10av			4av		25av								0	-	E	B2	>20	Established belt of trees alongside Freaks Lane. Predominantly hawthorn with some ash.		3.00	28	
45	English oak	13	6	6	6	6	57								4	4S	E	B2	>20	Larger component of hedgeline growing to west of Freaks Lane.		6.84	147	
46	Mixed broadleaf hedgerow	7av			3av		15av								0	-	E	B2	>20	Established but outgrown hedgerow to west of Freaks Lane. Includes hawthorn, hazel, holly and blackthorn.		1.80	10	
47	English oak	16	9	10	10	10	70e 55e								3	3E	E	B2	>20	Larger component of hedgerow to west of Freaks Lane.		10.68	359	



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 conform 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
Age Class	Suffix 'av' denotes an average dimension
	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 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) Note: Useful estimated remaining contribution of the tree or tree group based on figures stated in BS5837:2012 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 of BS5837:2012 Total area of minimum root protection area extrapolated from root protection radius
Tree Works	
Root Protection Radius	
Root Protection Area	



NORTH

05m10m25m50m

NOTES

1. The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

2. Scale for planning purposes only.

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. Ancient and Semi-Natural Woodland & Priority Habitat Inventory - Deciduous Woodland (England) based on information from MAGIC website.

8. Topographical survey based on 40seven drawing number 1520_P_Rev C.

9. Where trees were not identified on the topographical survey they have been plotted by eye.

10. Supporting Planning Layout Sub-Phase P1.3 based on dha architecture ltd drawing number 022106-BEL-SL-102.

KEY

Existing site features

Proposed structures

Trees retained
(Coloured line indicated extent of canopy)

Trees for removal
(Coloured line indicated extent of canopy)

2.0m high barrier as detail in Figure 1

Minimum extent of no-dig construction.
Actual deployment may be greater. As detail in Figure 3

15m buffer to Ancient Woodland

Ancient and Semi-Natural Woodland

Priority Habitat Inventory
- Deciduous Woodland (England)

A

Latest layout overlay

01.11.21

O

Preliminary issue

23.09.21

Rev

Description

Date

KEEN

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Client

BELLWAY HOMES

Project

LAND AT PARCEL 1.3, PHASE 1B,
NORTHERN ARC, BURGESS HILL

Title

TREE PROTECTION PLAN

Date

SEPT 2021

Scale

1:500@A1

Drawn by

ML

Checked by

JTK

Drawing Number

1680-KC-1.3-YTREE-TPP01RevA