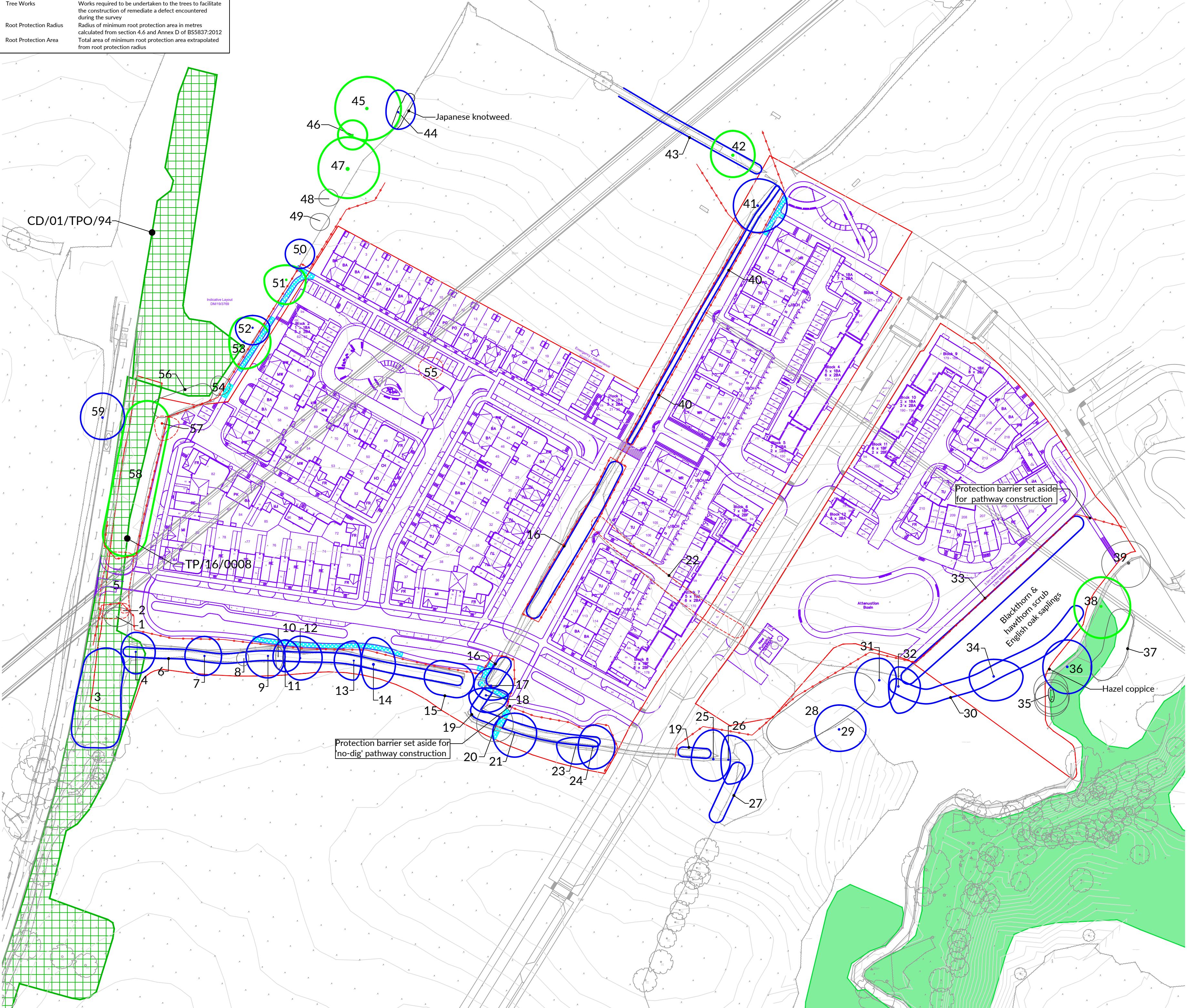
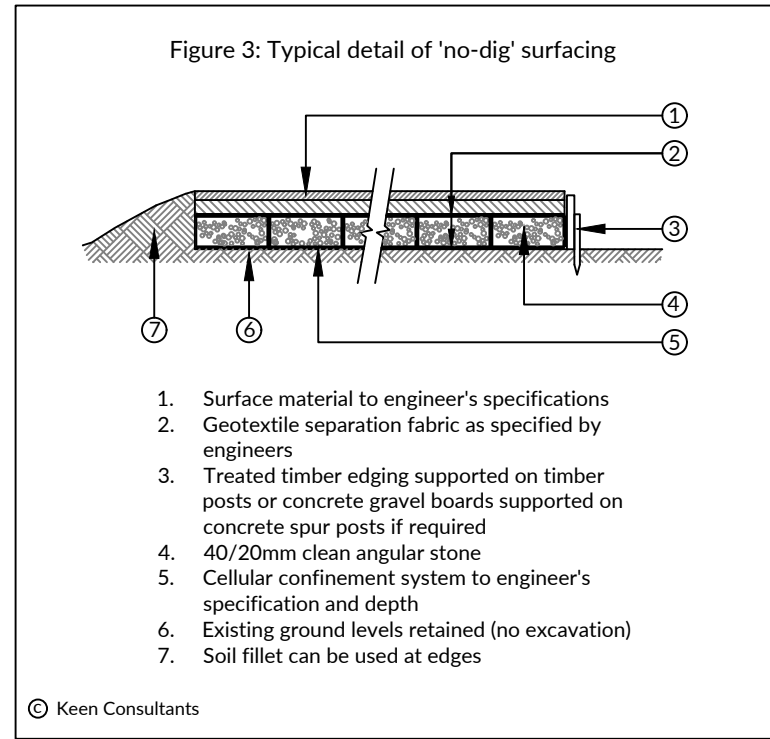
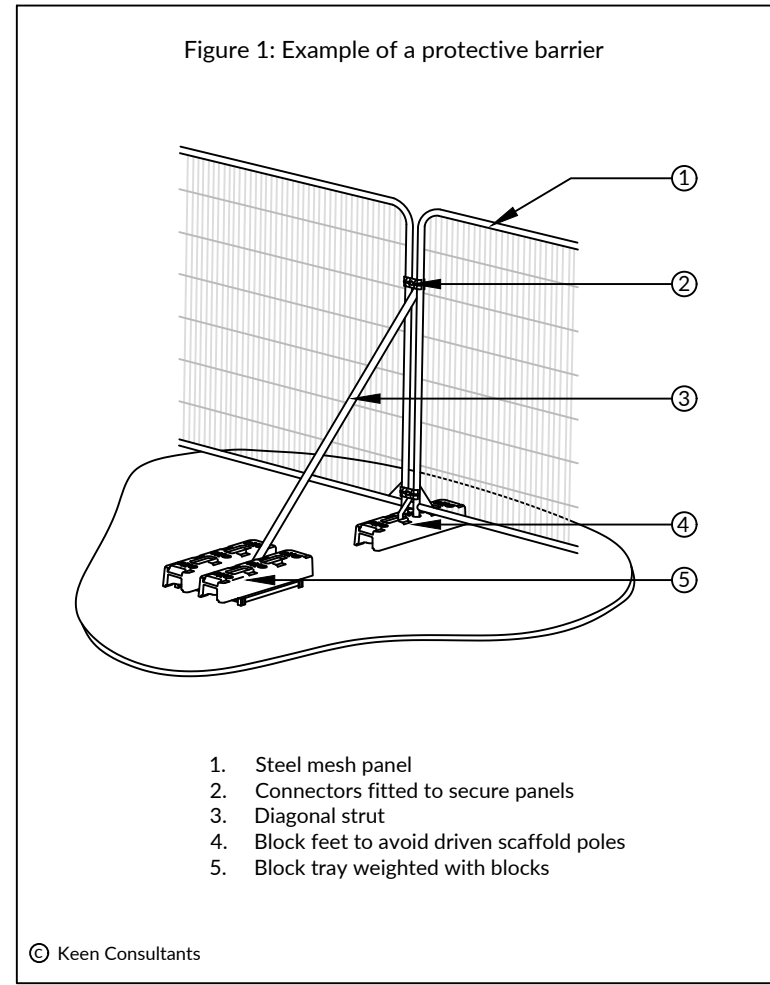


Trees at Parcels 1.5 and 1.6, Phase 1B, Northern Arc, Burgess Hill, Mid Sussex																						
Tree No.	Species	Ht (m)	Branch Spread (m)				Single Stem	Stem diameters (cm)						Height of first branch (m) and above crown point	Height of crown clearance (m)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS 3998	Root protection radius (m)	Root protection area sq. m
								2-5 stems		More than 5 stems												
			N	E	S	W		Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Mean dia									
1	English oak	12	4	6	4	5	37							5	5E	S	C1	>10	Small tree growing in hedgerow.	Remove.	4.44	62
2	Ash	8	3	3	1	1	16							3	3E	Y	U	<10	Showing signs of Ash Dieback.	Remove.	1.92	12
3	Mixed broadleaf tree belt	17av		6av			50av							0	-	E	B2	>20	Established broad belt of trees alongside A273. Species include English oak and ash.	Remove.	6.00	113
4	English oak	16	8	8	9	6	67							5	5W	E	B2	>20	Established broad-spreading hedgerow tree. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	8.04	203
5	Blackthorn hedge	4av		3av			10av							0	-	S	C2	>10	Broad band of hedgerow/scrub growing below overhead wire wayleave. Predominantly blackthorn with some ash saplings.	Remove.	1.20	5
6	Mixed broadleaf hedge	5av		2av			15av							0	-	E	B2	>20	Established but outgrown hedgerow alongside ditch. Predominantly blackthorn with some hawthorn.	Remove.	1.80	10
7	English oak	15	8	7	8	8	70e							7	7N	E	B2	>20	Established broad-spreading tree growing amidst hedgerow. Main stem and crown densely smothered in ivy. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	8.40	222
8	English oak	9	3	2	3	3	23							2	2N	Y	C1	>10	Small tree growing in hedgerow.	Remove.	2.76	24
9	English oak	16	9	7	9	9	69							2	2NW	E	B2	>20	Established broad-spreading tree growing within hedgerow. Sparsely foliated. Main stem partially covered in ivy. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter. Crown lift to 3m above proposed pathway.	8.28	215
10	English oak	14	4	2	5	1	27							7	7N	S	C1	>10	Etiolated form and compromising development of adjoining trees.	Remove.	3.24	33
11	English oak	14	7	6	6	5	37							4	4E	S	B2	>20	Contributes to line of oaks within hedgerow.	Remove.	4.44	62
12	English oak	16	9	9	9	7	69							3	3NW	E	B2	>20	Broad-spreading tree growing within hedgerow. Main stem partially smothered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	8.28	215
13	English oak	15	8	3	8	8	63							3	3NW	E	B2	>20	Asymmetrical crown due to competition with neighbouring tree. Main stem partially smothered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	7.56	180
14	English oak	18	11	9	10	5	97							4	4E	E	B2	>20	Broad-spreading tree growing amidst hedgerow. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	11.64	426
15	Row of English oak	14av		7av			45av							2	2NW	S	B2	>20	Tightly spaced row of trees growing amidst hedgerow. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter. Crown lift to 3m above proposed pathway.	5.40	92
16	Mixed broadleaf hedgerow	5av		3av			15av							0	-	E	B2	>20	Established but outgrown hedgerow bisecting fields. Mixture of hawthorn and blackthorn. Has become outgrown and so would benefit from bringing back under management.	Remove.	1.80	10
17	Turkey oak	17	7	9	6	7	71							2	2S	E	B2	>20	Established tree contributing to belt within hedgerow. Partial smothering of ivy on stems.	Crown lift to 3m above proposed pathway.	8.52	228
18	English oak	17	3	9	7	7	73							2	2S	E	B2	>20	Contributes to tree belt. Some large sections of deadwood in lower crown.	Remove all deadwood in excess of 25mm in diameter. Crown lift to 3m above proposed pathway.	8.76	241
19	Mixed broadleaf hedgerow	3av		2av			10av							0	-	E	B2	>20	Established but outgrown hedgerow. Predominantly blackthorn with some hawthorn and hazel. Would benefit from bringing back under management.	Remove section as shown.	1.20	5
20	Ash	16	9	7	7	8	61							2	2W	E	C1	>10	Established within hedgerow but showing signs of Ash Dieback.	Crown lift to 3m above proposed pathway.	7.32	168
21	English oak	17	8	9	10	9	70e							2	2NW	E	B2	>20	Established tree within hedgerow. Main stem covered in ivy. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter. Crown lift to 3m above proposed pathway.	8.40	222
22	Mixed broadleaf hedgerow	4av		3av			15av							0	-	E	C2	>10	Remnant of hedgerow growing within field. Predominantly blackthorn with some hawthorn.	Remove.	1.80	10
23	English oak	8	3	9	8	8	75e							4	4N	E	B2	>20	Established hedgerow tree. Main stem covered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	9.00	255
24	English oak	17	9	9	9	6	75e							3	3NW	E	B2	>20	Established hedgerow tree. Main stem covered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	9.00	255
25	English oak	17	12	7	9	9	85e							3	3NE	E	B2	>20	Established hedgerow tree. Main stem covered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	10.20	327
26	English oak	17	10	10	10	3	69							3	3N	E	B2	>20	Standing within hedgerow. Crown suppressed by adjoining oak. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	8.28	215
27	Mixed broadleaf hedgerow	5av		3av			15av							0	-	E	B2	>20	Remnant of hedgerow. Predominantly hawthorn with some blackthorn.	Remove.	1.80	10
28	Mixed broadleaf hedgerow	5av		3av			15av							0	-	E	C2	>10	Broad patch of scrub along ditchline. Predominantly blackthorn with some hawthorn and scrub apple.	Remove.	1.80	10
29	English oak	18	10	11	9	10	85e							5	5NW	E	B2	>20	Established tree growing within hedgerow. Lower stem partially smothered in ivy. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	10.20	327
30	Mixed broadleaf hedgerow	6av		3av			15av							0	-	E	B2	>20	Established but outgrown hedgerow along ditchline. Predominantly hawthorn with some blackthorn and hazel.	Remove.	1.80	10
31	English oak	19	9	7	11	10	85e							7	7NE	E	B2	>20	Established broad-spreading tree growing within hedgerow. Main stem and crown smothered in ivy. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	10.20	327
32	English oak	18	8	9	11	4	85e							5	5SW	E	B2	>20	Established broad-spreading tree growing within hedgerow. Main stem and crown smothered in ivy. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	10.20	327
33	Mixed broadleaf hedgerow	6av		3av			15av							0	-	E	B2	>20	Established hedgerow along edge of field. Predominantly hawthorn with some blackthorn and ash.	Remove.	1.80	10
34	English oak	19	7	12	10	10	83							2	2N	E	B2	>20	Stands along hedgerow. Broad-spreading tree. Large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	9.96	312
35	Group of alder	16av		7av			50av							3	3N	E	C2	>10	Group of trees growing to east of stream. Lacking vitality.	Remove.	6.00	113
36	English oak	19	11	10	11	10	90e							3	3E	M	B2	>20	Broad-spreading tree growing directly to east of stream. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	10.80	366
37	Mixed broadleaf group	11av		5av			25av							0	-	E	C2	>10	Group of small trees growing to east of stream. Species include holly, field maple and hazel.	Remove.	3.00	28
38	English oak	19	12	12	13	11	100e							7	7N	M	A1	>40	Visually significant, broad-spreading tree growing to east of stream.	Coppice.	12.00	452
39	Ash	19	9	9	10	11		103	29	43				8	8SW	M	C1	>10	Large example of species growing on steep bank down to stream. Lower stem partially smothered in ivy. Some deadwood within crown. Showing early signs of Ash Dieback. Coppicing would promote low level regeneration.	Coppice.	13.84	602
40	Mixed broadleaf hedgerow	2av		1av			10av							0	-	E	B2	>20	Established but sparse hedgerow bisecting fields. Predominantly blackthorn with some hawthorn and field maple.	Remove section as shown.	1.20	5
41	English oak	18	11	12	11	10	91							2	2S	E	B2	>20	Established hedgerow tree. Broad-spreading form. Some large sections of deadwood within crown.	Remove.	10.92	375
42	English oak	16	10	9	9	9	114							2	2S	M	A2	>40	Visually significant, broad-spreading tree growing along hedgerow. Some large sections of deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	13.68	588
43	Hawthorn hedge	3av		2av			10av							0	-	E	B2	>20	Established but outgrown hedgerow bisecting fields. Predominantly hawthorn with some blackthorn. Would benefit from bringing back under management.	Remove.	1.20	5
44	Scots pine	18	9	7	7	5	75e							3	3SE	E	B2	>20	Southerly tree of a row of similar sized pines that extend toward the north.	Remove.	9.00	255
45	English oak	20	13	14	13	13	120e							4	4SW	M	A1	>40	Visually significant, broad-spreading tree growing within adjoining garden.	Remove.	14.40	652
46	Lime	17	6	6	6	6	70e							2	2E	E	A2	>40	Forms part of a collection of trees within adjoining garden.	Remove.	8.40	222
47	English oak	18	13	13	12	12	145e							2	4E	M	A1	>40	Visually significant, broad-spreading tree growing within adjoining garden.	Remove.	15.00	707
48	English oak	9	4	4	3	4	25e							2	2S	S	C1	>10	Small tree growing within adjoining garden.	Remove.	3.00	28
49	Turkey oak	5	3	4	4	4	20e							1	1E	Y	C1	>10	Small tree growing within adjoining garden.	Remove.	2.40	18
50	Turkey oak	13	6	6	6	6	40e							2	2E	S	B1	>20	Well formed tree growing within adjoining garden.	Remove.	4.80	72
51	English oak	16	6	8	10	9	85e							3	3E	E	A2	>40	Well formed tree growing within adjoining garden.	Remove.	10.20	327
52	Ash	18	5	7	7	7	70e							3	3E	E	B2	>20	Established tree growing in adjoining garden. Early signs of Ash Dieback.	Remove.	8.40	222
53	Turkey oak	18	10	11	11	6	95e							2	2E	M	A2	>40	One of a collection of large trees within the southern end of the adjoining garden.	Remove.	11.40	408
54	Sycamore	12	4	5	4	3	35e							3	3E	S	C1	>10	Small tree growing within adjoining garden.	Remove.	4.20	55
55	Horse chestnut	12	4	5	5	5	60							2	3E	E	U	<10	Extensive decay around root collar. Numerous decay pockets in main stem. Lacking vitality. Unsuitable to long-term retention.	Remove.	7.20	163
56	Mixed tree group	11av		4av			15av							0	-	S	C2	>10	Linear collection of small trees along fence/line. Species include English elm, English oak, sycamore and hornbeam.	Remove.	1.80	10
57	Horse chestnut	19	3	7	7	3		49	45	46				2	2S	E	U	<10	One stem has been truncated. All stems with extensive bark death due to bacterial canker. Underlying tissues starting to decay. Tight unions between stems liable to failure. Unsuitable to long-term retention.	Remove.	9.71	296
58	Mixed tree belt	18av		9av			65av							2	2E	E	A2	>40	Broad band of trees alongside A273. Predominantly English oak with occasional horse chestnut and wild service tree. Understorey of holly and hawthorn.	Remove.	7.80	191
59	English oak	17	10	9	9	9	85e							2	2S	E	B1	>20	Established tree growing to west of Isaac Lane. Lower stem partially covered in ivy. Some deadwood within crown.	Remove all deadwood in excess of 25mm in diameter.	10.20	327

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
	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)
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



NORTH

0 10m 25m 50m 100m

NOTES

- The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
- Scale for planning purposes only.
- All dimensions to be checked on site.
- The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
- Details shown on this drawing are devised with reference to BS5837:2012: Trees in relation to design, demolition and construction - Recommendations.
- Tree Preservation Order based on Mid Sussex District Council Tree Preservation Map.
- Priority Habitat Inventory - Deciduous Woodland (England) based on information from MAGIC website.
- Topographical survey based on 40seven drawing number 1520_P_Rev C.
- Where trees were not identified on the topographical survey they have been plotted by eye.
- Supporting Planning Layout Sub-Phases P1.5 and P1.6 based on dha architecture Ltd drawing number 022106-BEL-SL-02.

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