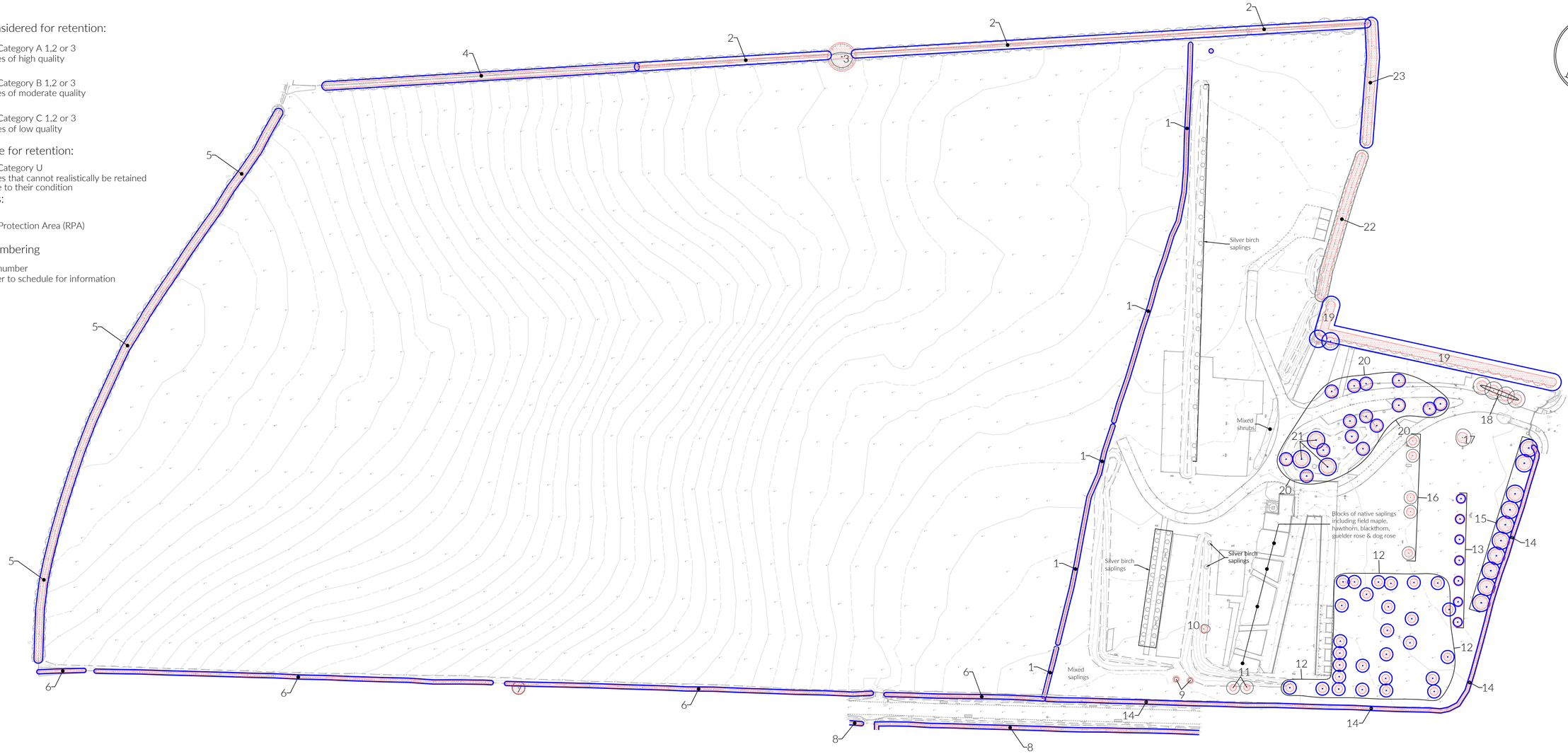
Key:

1. Trees to be considered for retention:
   - Tree Category A 1,2 or 3 - trees of high quality
   - Tree Category B 1,2 or 3 - trees of moderate quality
   - Tree Category C 1,2 or 3 - trees of low quality
2. Trees unsuitable for retention:
   - Tree Category U - trees that cannot realistically be retained due to their condition
3. Protected areas:
   - Root Protection Area (RPA)
4. Tree/Hedge numbering
   - 21 Tree number - refer to schedule for information



SURVEY OF TREES AT WILBURY HILLS CEMETERY, STOTFOLD ROAD, LETCHWORTH GARDEN CITY, LETCHWORTH

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 Mean dia	No. stems	Height of crown clearance (m)	Height of first branch and direction (compass	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Preliminary management recommendations	Root protection radius (m)	Root protection area sq.m
1	Mixed broadleaf hedgerow	1.5av		1av			2av								0	-	S	B2	>20	Recently established hedgerow growing between arable field and existing cemetery. Species include field maple, hawthorn, hazel, cherry, blackthorn and dog rose. Provides useful division between the two parcels of land.		0.24	0
2	Mixed broadleaf hedgerow	3av		2av			5av								0	-	E	B2	>20	Established hedgerow growing along northern edge of site. Predominantly hawthorn with occasional hazel, field maple, dog rose, elder, blackthorn. Some infilling has occurred in recent times and some stems are protected by spiral guards. The hedgerow is punctuated by occasional taller field maple to circa 5m in height.		0.60	1
3	Ash	11	2	5	5	5	56								3	3E	E	C1	>10	Extensive decay at base. Crown noticeably one sided. Has lost subsidiary stem on north eastern side hence asymmetric crown. Coppicing would overcome the defects and allow long term retention if site use changes.		6.72	142
4	Mixed broadleaf hedgerow	4av		2av			10av								0	-	E	B2	>20	Established hedgerow growing along northern boundary. Occasional sparse gaps. Mix of field maple and hawthorn together with some hazel, blackthorn and elder.		1.20	5
5	Mixed broadleaf hedgerow	4av		2av			10av								0	-	E	B2	>20	Established hedgerow growing along northern boundary. Occasional sparse gaps. Mix of field maple and hawthorn together with some hazel, blackthorn and elder.		1.20	5
6	Predominantly hawthorn hedge	2av		1av			5av								0	-	E	B2	>20	Established hedgerow growing alongside road. Predominantly hawthorn with occasional field maple, goat willow and sycamore. Managed on a regular basis to contain its dimensions.		0.60	1
7	Sycamore	6	3	3	3	3		14	12	13					0	-	Y	C1	>10	Small multi-stemmed tree growing between edge and road.		2.71	23
8	Predominantly hawthorn hedge	2av		1av			5av								0	-	E	B2	>20	Established hedgerow growing alongside road. Predominantly hawthorn with occasional field maple, goat willow and sycamore. Managed on a regular basis to contain its dimensions.		0.60	1
9	Pair of Lombardy poplar	6av		1av			12av								0	-	Y	C2	>10	Pair of this fast growing species growing within grassed area.		1.44	7
10	Silver birch	7	2	3	2	1	14								0	-	Y	C1	>10	Small tree growing on grass bank.		1.68	9
11	Pair of aspen	6av		3av			13av								0	-	Y	C2	>10	Pair of close growing trees on grassed bank.		1.56	8
12	Group of aspen	9av		3av			15av								1	1S	Y	B2	>20	Established groupings of trees subdividing burial plots.		1.80	10
13	Row of Lombardy poplar	11av		2av			20av								0	-	Y	B2	>20	Established row of trees alongside pathway.		2.40	18
14	Predominantly hawthorn hedge	2av		1av			5av								0	-	E	B2	>20	Established and well maintained hedgerow growing along part of southern and all of eastern boundary.		0.60	1
15	Row of aspen and Lombardy poplar	10av		4av			25av								0	-	Y	B2	>20	Established row of trees growing close to Stotfold Road boundary.		3.00	28
16	Group of silver birch	7av		3av			15av								0	-	Y	C2	>10	Loose collection of trees growing between burial plots.		1.80	10
17	Aspen	7	4	4	4	3	19								1.5	1.5S	Y	C1	>10	Isolated specimen of aspen possibly formed part of a row.		2.28	16
18	Group of cherry	5av		4av			20av								1	1S	Y	C2	>10	Collection of small trees growing adjoining entrance of driveway. Group also includes one buckeye.		2.40	18
19	Linear plantation of mixed broadleaves	7av		4av			15av								0	-	Y	B2	>20	Established recent planting in a broad belt along the northern boundary of site. Predominantly field maple with occasional hawthorn, ash, hazel, lime and birch. Southern face of belt is maintained as a series of hedgerow units.		1.80	10
20	Group of mixed broadleaves	7av		3av			20av								2	2N	Y	B2	>20	Established group of recent plantings growing amidst island between access driveway. Species include birch, cherry, field maple, hornbeam, ash, birch and buckeye.		2.40	18
21	Group of deodar cedar	5av		4av			25av								0	-	Y	B2	>20	Evergreen component of recent plantings. Of varying quality with some broad and squat and others taller.		3.00	28
22	Row of Leyland cypress	9av		3av			15av								0	-	S	C2	>10	Linear collection of conifers growing alongside ditch. Will require management in the near future to avoid the problems with stem failure associated with this species at maturity.		1.80	10
23	Mixed broadleaf hedgerow	5av		3av			15av								0	-	E	B2	>20	Established but outgrown hedgerow growing along boundary of site. Predominantly hawthorn with occasional elder.		1.80	10

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

Topographical Survey based on Sunshine Surveys Ltd job number GY\4552.

Tree numbers 7, 9 & 11 plotted by eye.

Key to Schedule of Trees

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 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	Useful estimated remaining contribution of the tree or tree group
Condition	Brief description including physiological and structural defects
Preliminary management recommendations	Describes current arboricultural requirement for the tree in its current context
Root Protection Radius	Radius of minimum root protection area in metres calculated from section 4.6 and Annex D
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius

Rev 0 17.08.17 jtk
Initial issue.

0 10m 25m 50m 100m

CLIENT:
North Hertfordshire District Council

PROJECT:
Wilbury Hills Cemetery,
Stotfold Road, Letchworth Garden City

TITLE: Tree Constraints Plan

DRAWING NUMBER:
9502-KC-XX-YTREE-TCP01Rev0

DATE: Aug 2017 SCALE: 1:1000 @ A1
DRAWN BY: ML CHECKED BY: JTK

Do not scale from this drawing: All dimensions to be checked on site

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