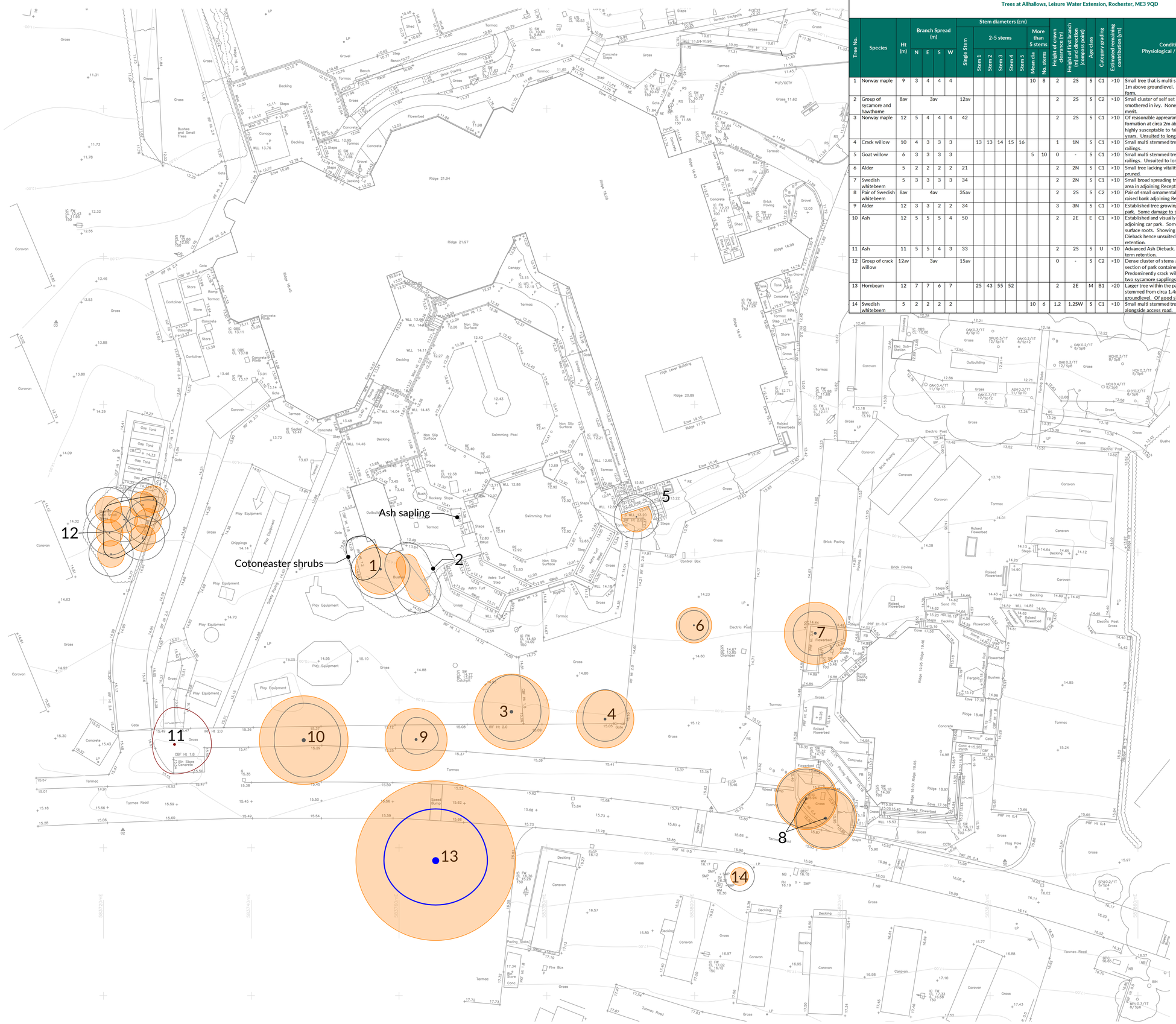

Trees at Allhallows, Leisure Water Extension, Rochester, ME3 9QD

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)								Height of crown clearance (m)	Height of first Branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Preliminary management recommendations	Root protection radius (m)	Root protection area sq.m
			N	E	S	W	Single Stem	2-5 stems Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	More than 5 stems Mean dia	No. stems									
1	Norway maple	9	3	4	4	4							10	8	2	2S	S	C1	>10	Small tree that is multi stemmed from circa 1m above groundlevel. Of poor shape and form.		3.39	36
2	Group of sycamore and hawthorne	8av	3av				12av								2	2S	S	C2	>10	Small cluster of self set trees. All smothered in ivy. None of any particular merit.		1.44	7
3	Norway maple	12	5	4	4	4	42								2	2S	S	C1	>10	Of reasonable appearance but tight fork formation at circa 2m above groundlevel highly susceptable to failure in future years. Unsuited to longterm retention.		5.04	80
4	Crack willow	10	4	3	3	3		13	13	14	15	16			1	1N	S	C1	>10	Small multi stemmed tree growing close to railings.		3.82	46
5	Goat willow	6	3	3	3	3							5	10	0	-	S	C1	>10	Small multi stemmed tree growing through railings. Unsuited to longterm retention.		1.90	11
6	Alder	5	2	2	2	2	21								2	2N	S	C1	>10	Small tree lacking vitality. Has been pruned.		2.52	20
7	Swedish whitebeem	5	3	3	3	3	34								2	2N	S	C1	>10	Small broad spreading tree growing in lawn area in adjoining Reception.		4.08	52
8	Pair of Swedish whitebeem	8av	4av				35av								2	2S	S	C2	>10	Pair of small ornamental trees growing on raised bank adjoining Reception.		4.20	55
9	Alder	12	3	3	2	2	34								3	3N	S	C1	>10	Established tree growing at edge of car park. Some damage to surface roots.		4.08	52
10	Ash	12	5	5	5	4	50								2	2E	E	C1	>10	Established and visually prominent tree adjoining car park. Some damage to surface roots. Showing early signs of Ash Dieback hence unsuited to long term retention.		6.00	113
11	Ash	11	5	5	4	3	33								2	2S	S	U	<10	Advanced Ash Dieback. Unsuited to long term retention.		3.96	49
12	Group of crack willow	12av	3av				15av								0	-	S	C2	>10	Dense cluster of stems amidst overgrown section of park contained by fences. Predominently crack willow but includes two sycamore sapplings.		1.80	10
13	Hornbeam	12	7	7	6	7		25	43	55	52				2	2E	M	B1	>20	Larger tree within the park. Multi stemmed from circa 1.4m above groundlevel. Of good shape and form.		10.87	371
14	Swedish whitebeem	5	2	2	2	2							10	6	1.2	1.2SW	S	C1	>10	Small multi stemmed tree growing alongside access road.		2.94	27

NORTH

0 5m 10m 20m

NOTES

1. **This drawing has been prepared solely for the purpose of seeking planning approval. It should not be used for any other purpose.**
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 Digital Terrain Survey LLP reference number DTS290419-35A.
9. Where trees were not identified on the topographical survey they have been plotted by eye.

KEY

1. Trees to be considered for retention:
   (Coloured line indicates extent of canopy)
   - 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:
   (Coloured line indicates extent of canopy)
   - Tree Category U - Trees that cannot realistically be retained due to their condition
3. Protection Areas:
   - Root Protection Area (RPA) (where RPAs overlap the shading will appear darker)
4. Tree/Hedge numbering:
   - 9 Tree number - refer to schedule for information

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 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	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
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 of BS5837:2012
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius

Rev	Description	Date
0	Preliminary issue	14.09.22

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Keen Consultants is a trading name of Keen (Europe) Limited. Registered No.: 12641584
Registered office: 4 Sudley Road, Bognor Regis, West Sussex, PO21 1EU

The Studio, Timbers,
Gables Road, Church Crookham
Fleet, Hampshire
GU52 6QY
T 01252 850096
mail@keenconsultants.co.uk
keenconsultants.co.uk

Client
BOURNE LEISURE LIMITED

Project
LEISURE WATER EXTENSION,
HAVEN ALLHALLOWS HOLIDAY PARK

Title
TREE CONSTRAINTS PLAN

Date	Scale
SEPT 2022	1:250@A1
Drawn by ML	Checked by JTK

Drawing Number
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