



- NOTES**
- This drawing has been prepared solely for the purpose of seeking planning approval. It should not be used for any other purpose.
 - 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.
 - Check if Tree Preservation Order or Conservation Area protection applies to trees before undertaking tree works.
 - Topographical survey based on Digital Terrain Survey LLP reference number DTS290419-35A.
 - Where trees were not identified on the topographical survey they have been plotted by eye.
 - Site Plan As Proposed based on SPACE+PLACE drawing number 3893-ASP-ZZ-XX-DR-A-0823-P01.

- 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

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
Height of crown clearance	Multi-stemmed tree with more than 5 stems - Average stem diameter and number of stems 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 of branch
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 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, i.e. >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
Tree Works	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
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

A	Latest layout overlay	11.05.23
O	Preliminary issue	10.05.23

Rev	Description	Date
-----	-------------	------

KEEN CONSULTANTS
 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 PROTECTION PLAN

Date MAY 2023 **Scale** 1:250@A1

Drawn by ML **Checked by** JTK

Drawing Number
2055-KC-XX-YTREE-TPP01RevA

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 (E=Early, M=Mature, O=Over)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area (sqm)	
			N	E	S	W	Single Stem	2-5 stems	More than 5 stems												
1	Norway maple	9	3	4	4	4											>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 hawthorn	8av		3av			12av										>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										>10	Of reasonable appearance but tight fork formation at circa 2m above groundlevel highly susceptible to failure in future years. Unsuitable to long term retention.	Remove.	5.04	80
4	Crack willow	10	4	3	3	3		13	13	14	15	16					>10	Small multi stemmed tree growing close to railings. Unsuitable to long term retention.	Remove.	3.82	46
5	Goat willow	6	3	3	3	3					5	10					>10	Small multi stemmed tree growing through railings. Unsuitable to long term retention.	Remove.	1.90	11
6	Alder	5	2	2	2	2	21										>10	Small tree lacking vitality. Has been pruned.	Remove.	2.52	20
7	Swedish whitebeam	5	3	3	3	3	34										>10	Small broad spreading tree growing in lawn area in adjoining Reception.		4.08	52
8	Pair of Swedish whitebeam	8av		4av			35av										>10	Pair of small ornamental trees growing on raised bank adjoining Reception.		4.20	55
9	Alder	12	3	3	2	2	34										>10	Established tree growing at edge of car park. Some damage to surface roots.	Remove.	4.08	52
10	Ash	12	5	5	4	4	50										>10	Established and visually prominent tree adjoining car park. Some damage to surface roots. Showing early signs of Ash Dieback hence unsuitable to long term retention.		6.00	113
11	Ash	11	5	5	4	3	33										<10	Advanced Ash Dieback. Unsuitable to long term retention.		3.96	49
12	Group of crack willow	12av		3av			15av										>10	Dense cluster of stems amidst overgrown section of park contained by fences. Predominantly crack willow but includes two sycamore sapplings.		1.80	10
13	Hornbeam	12	7	7	6	7		25	43	55	52						>20	Larger tree within the park. Multi stemmed from circa 1.4m above groundlevel. Of good shape and form.		10.87	371
14	Swedish whitebeam	5	2	2	2	2					10	6	1.2	1.2SW			>10	Small multi stemmed tree growing alongside access road.		2.94	27

