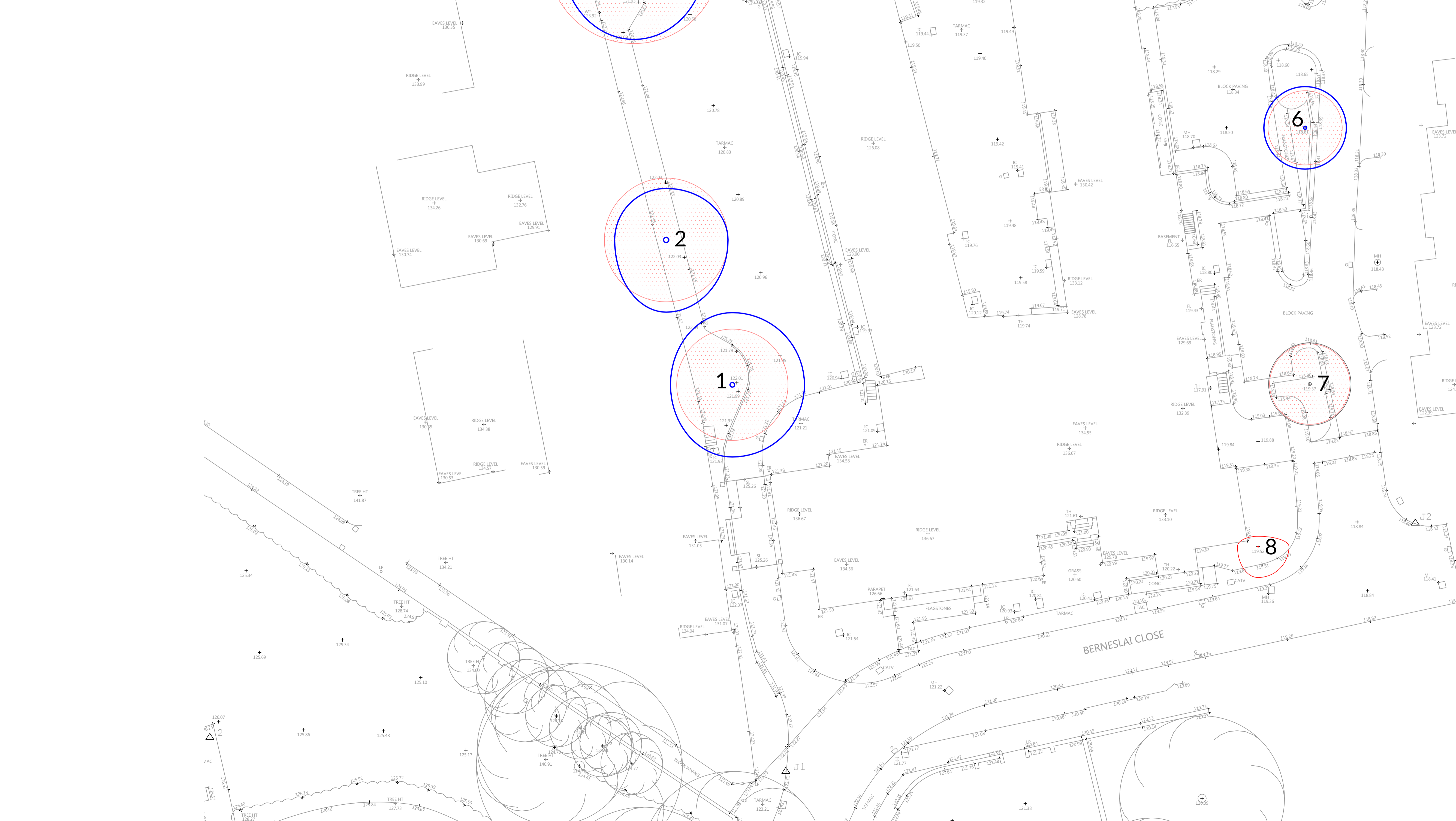


SURVEY OF TREES AT FORMER BARNESLEY COUNCIL OFFICES, BERNESLAI CLOSE, BARNESLEY

Tree No.	Species	Ht (m)	Branch Spread (m)					Stem diameters (cm)					Height of crown clearance (m)	Height of first major branch (m and direction (compass point))	Age class	Category grading and Estimated remaining contribution (yrs)	Condition Physiological / Structural	Preliminary management recommendations	Root protection radius (m)	Root protection area sqm	
			N	E	S	W	Stem	2-5 stems				More than 5 stems									
								Stem 1	Stem 2	Stem 3	Stem 4										Stem 5
1	Ash	12	7	7	7	6	45						4	3N	E	B1	>20	Good form and condition although some upper crown dieback that may be contributed to a root system that is constrained by a low retaining structure adjacent to the existing car park and a boundary wall to the west. The base of the tree is on raised land approximately 750mm above car park level.	5.40	92	
2	Ash	12	5	6	7	5	49						3	2.5NE	E	B1	>20	Reasonable condition but poor twin stemmed form at 2.5m. Again the root system is constrained between boundary wall and 750mm retaining wall separating raised land from the car park.	5.88	109	
3	Horse Chestnut	14	6	7	8	7	70e						2.5	2.5S	M	B1	>20	Offsite tree of multi stemmed form from 3m. Possibly an old pollard but ivy concealing the union between the stems. Reasonable condition with a fairly minor infection of leaf minor.	8.40	222	
4	Sycamore	9	5	4	7	5	60e						3	2.5S	E	B1	>20	Offsite tree that appears to be in a reasonable condition but smothered in dense ivy making accurate assessment difficult.	7.20	163	
5	Rowan	3	2	2	2	3	11						1.5	1.5N	S	C1	>10	Heavily suppressed by adjacent sycamore. Minor significance.	1.32	5	
6	Maple	6	4	4	4	4	29						2	2N	E	B1	>20	Reasonable form and condition but sufficiently young and small to be replaced if necessary in the interest of efficient re-development.	3.48	38	
7	Purple Norway Maple	7	4	4	4	4	32						2	2E	E	C1	>10	Currently in a reasonable form and condition although growing within a raised brick planter of insufficient size to support its rooting system over the long term.	3.84	46	
8	Norway Maple	5	1	3	3	2	12						1.5	1.5E	S	U	<10	Sinusous lower trunk very close to existing building. Strong surface rooting. Minor significance.	Remove.	1.44	7



- NOTES**
- The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
 - Do not scale from this drawing.
 - All dimensions to be checked on site.
 - The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
 - Topographical survey based on CPLS drawing number 110517JC-01.

- KEY**
- 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
 - Trees unsuitable for retention:
 - Tree Category U - Trees that cannot realistically be retained due to their condition
 - Protected Areas:
 - Root Protection Area (RPA)
 - Tree/Hedge numbering:
 - 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 'av' denotes an average dimension
Age Class	Age Class definitions: Y = Young S = Semi-mature E = Early mature M = Mature O = Over mature Summary of BS 5837: 2012 categorisation:
Category grading and Estimated remaining Contribution (yrs)	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) Useful estimated remaining contribution of the tree or tree group 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	Description	Date
0	Preliminary issue	17.10.17

Redlands Farm, Redlands Lane, Ewshot, Farnham, Surrey GU10 5AS
T 01252 850096
F 01252 851702
mail@keenconsultants.co.uk
keenconsultants.co.uk

Client
MCCARTHY & STONE RETIREMENT LIFESTYLE LTD

Project
FORMER BARNESLEY COUNCIL OFFICES, BERNESLAI CLOSE, BARNESLEY

Title
TREE CONSTRAINTS PLAN

Date
OCT 2017

Scale
1:200@A1

Drawn by
ML

Checked by
IJK

Drawing Number
9871-KC-XX-YTREE-TCP01Rev0