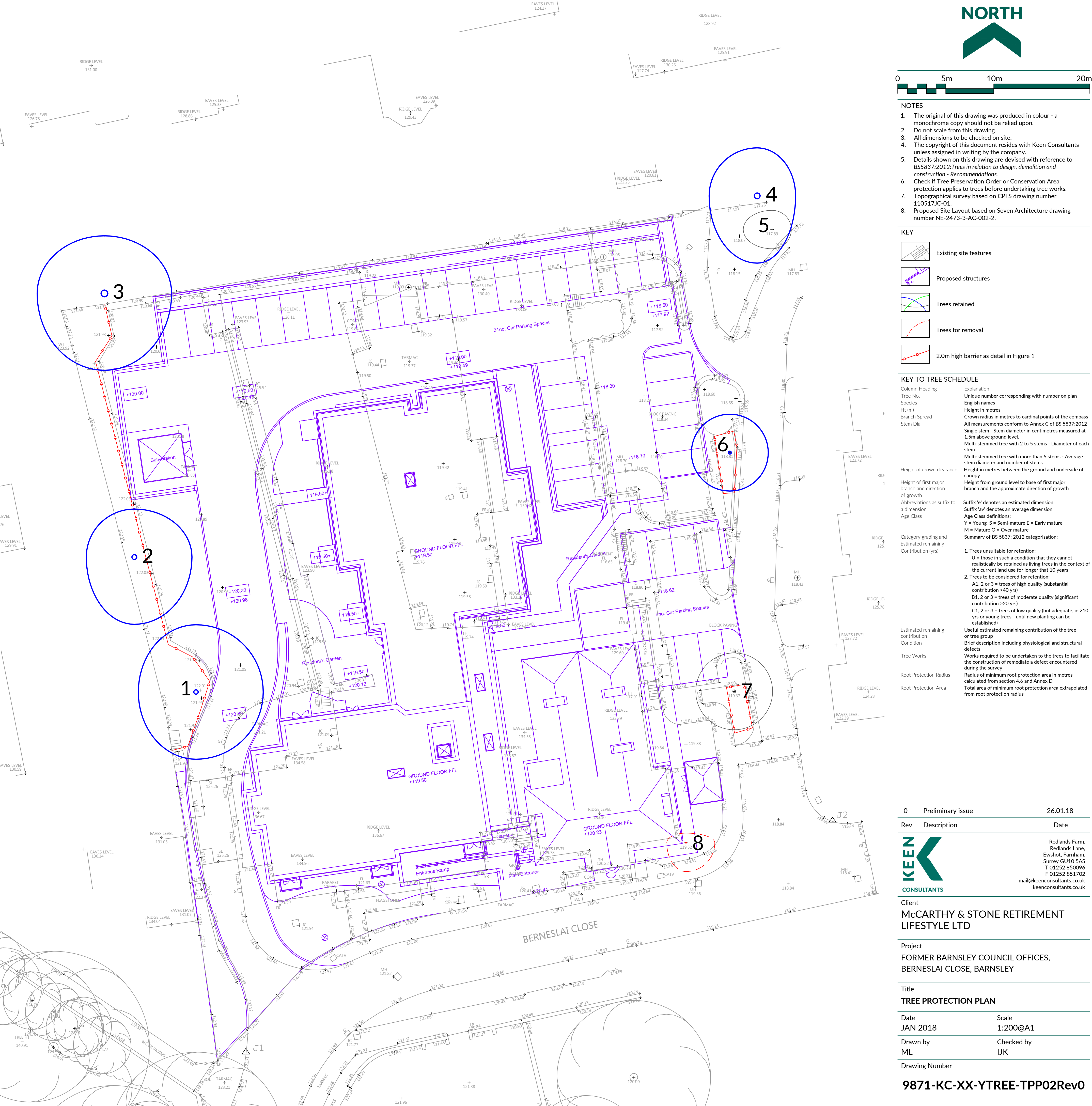
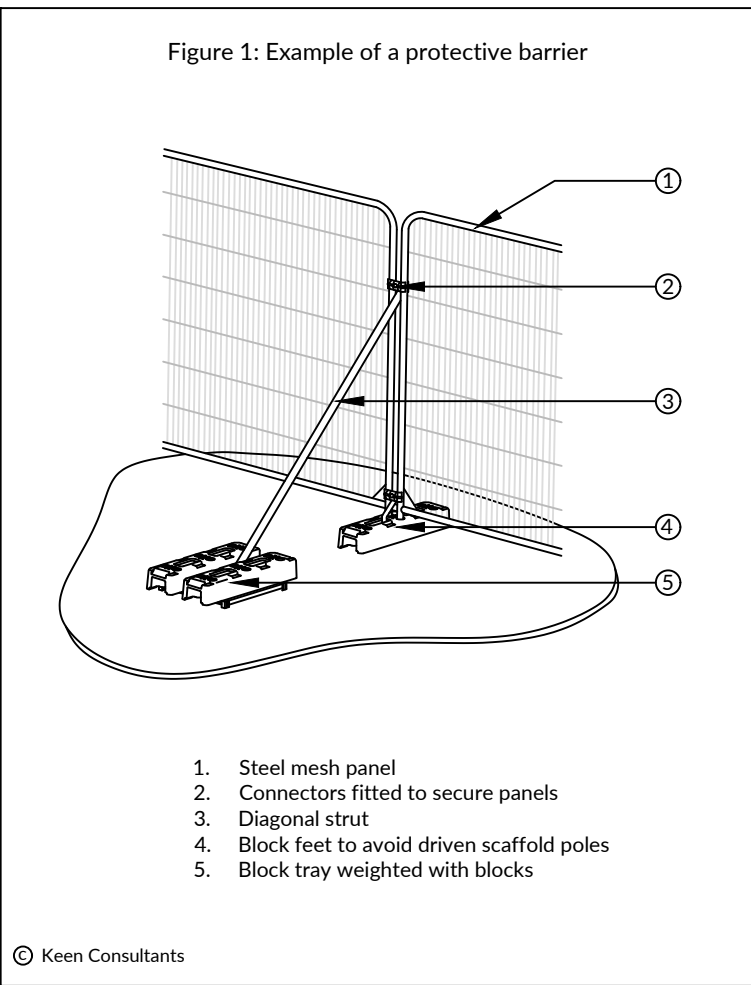


SURVEY OF TREES AT FORMER BARNSELY COUNCIL OFFICES, BERNESLAI CLOSE, BARNSELY																						
Tree No.	Species	Ht (m)	Branch Spread (m)				Single Stem	Stem diameters (cm)					More than 5 stems	Height of crown (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS 3998	Root protection radius (m)	Root protection area sqm
			N	E	S	W		2-5 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.	Raise the canopy to 5m over the drive.	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.	Raise the canopy to 3m over the car park.	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.	Raise the canopy to 3m over the car park.	3.84	46
8	Norway Maple	5	1	3	3	2	12							1.5	1.5E	S	U	<10	Sinuous 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.
 - 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 CPLS drawing number 110517JC-01.
 - Proposed Site Layout based on Seven Architecture drawing number NE-2473-3-AC-002-2.

- KEY
- Existing site features
 - Proposed structures
 - Trees retained
 - Trees for removal
 - 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
	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
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, 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
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
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius

0	Preliminary issue	26.01.18
Rev	Description	Date
Redlands Farm, 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 BARNSELY COUNCIL OFFICES, BERNESLAI CLOSE, BARNSELY

Title
TREE PROTECTION PLAN

Date
JAN 2018

Scale
1:200@A1

Drawn by
ML

Checked by
IJK

Drawing Number
9871-KC-XX-YTREE-TPP02Rev0