

Appendix 1 Tree survey and explanatory notes

 Site:
 3 Loom Place

 Date of Survey:
 22/06/2023

 Arboricultural Consultant/Surveyor:
 J Choat

 Weather:
 Dry, light wind.

	Branch spread Branch spread																
Tree ref	Species Common and Scientific	Height in m	Stem diameter in mm	Radial distance required for RPA	N	E	S	W	Height of crown clearance in m	Age class	Ground condition	Water demand	Observations	Preliminary management recommendations	Works urgency	Estimated remaining contribution in years	Category grading
T1	Cherry Plum Prunus cerasifera	5	350	4.2	3	3	3	1	2	М	Shingle	Moderate	Stem forks at 1m, compression fork formed at 1m. Slight suppressed crown.	None	0	10	C1
T2	Scots Pine Pinus sylvestris	17	460	5.52	4	4	4	4	5	М	Shingle	Moderate	Good condition.	None	0	30	A1
Т3	Cherry Plum Prunus cerasifera	7	290	3.48	3	3	3	1	2	М	Shingle	Moderate	Stem forks at 2m, compression fork at 2m with included union. Slight suppressed crown.	None	0	10	C1
T4	Cherry Sp Prunus Sp	12	390	4.68	5	5	5	5	2	M	Shingle	Moderate	Stem forks at 2m to form tensile fork, small inclusion on driveway side. Slightly sparse crown. Buttress causing damage to driveway join. Large surface root running length of driveway and along side alley to rear garden.	None	0	15	C1
T5	Lawson's Cypress Chamaecyparis lawsoniana	8	490	5.88	1	1	1	1	2	М	Bare soil	High	Compression fork at 1m, basal sweep. Topped at 8m	None	0	10	C1
T6	Lawson's Cypress Chamaecyparis Iawsoniana	8	490	5.88	1	1	1	1	2	М	Bare soil	High	Topped at 8m	None	0	10	C1
T7	Lawson's Cypress Chamaecyparis Iawsoniana	8	600	7.2	2	2	2	2	2	М	Bare soil	High	Leaning stem. Topped at 8m	None	0	10	C1
T8	Holly Ilex aquifolium	6	180	2.16	1	1	1	1	0	EM	Bare soil	Low	Clad in bramble.	Clean bramble from stem.	2	20	C1
Т9	Apple Sp Malus Sp	12	424	5.088	4	4	4	4	4	EM	Bare soil	Moderate	3rd party unable to assess. Twin stem, DBH 300 300. Ivy clad.	None	0	20	C1
T10	Fir Sp. Abies Sp.	19	350	4.2	2	2	2	2	3	М	Bare soil	Moderate	3rd party unable to assess.	None	0	20	B1
G1	Lawson's Cypress Chamaecyparis lawsoniana	17	300	3.6	1	1	1	1	2	M	Bare soil	High	3rd party unable to assess. Sparse crown.	None	0	20	C1

T11	Silver Birch Betula pendula	18	660	7.92	3	5	5	3	4	М	Grass	Low	Slightly asymmetric crown. Aged tree for species.	None	0	15	B1
T12	Silver Birch Betula pendula	17	350	4.2	2	2	2	2	10	EM	Grass	Low	Dying, poor condition,	Fell	3	5	C1
T13	Silver Birch Betula pendula	17	400	4.8	2	2	2	2	10	EM	Grass	Low	Dying, poor condition, Black lesions on stem, indicative of honey fungus.	Fell	3	5	C1
T14	Silver Birch Betula pendula	17	450	5.4	2	2	2	2	10	EM	Grass	Low	Dying, poor condition, Black lesions on stem, indicative of honey fungus. Only 1 live lateral.	Fell	3	5	C1
T15	Silver Birch Betula pendula	18	440	5.28	4	2	4	4	4	М	Grass	Low	Slightly asymmetric crown.	None	0	15	B1
T16	Yew Taxus baccata	5	180	2.16	2	2	2	2	0	Y	Grass	Moderate	Good condition.	None	0	20	C1
T17	Norway Spruce Picea abies	6	100	1.2	2	2	2	2	0	Y	Grass	Moderate	Good condition.	None	0	20	C1
G2	Leyland cypress Cupressus x leylandii	15	300	3.6	2	2	2	2	0	EM	Bare soil	High	Close planting centres. Group sharing crown space.	None	0	15	C1
T18	Beech Fagus sylvatica	10	330	3.96	4	4	4	2	1	Y	Bare soil	Moderate	Slightly asymmetric crown.	None	0	20	B1
T19	Holly Ilex aquifolium	6	180	2.16	1	1	1	1	0	EM	Bare soil	Low	Abnormal taper.	None	0	20	C1
G3	Beech Fagus sylvatica	8	150	1.8	2	2	2	2	1	Y	Bare soil	Moderate	Planted at 0.5m centres. Distorted stems and crown due to planting proximity.	None	0	15	C1
T20	Monterey Cypress Cupressus macrocarpa	18	680	8.16	5	5	5	5	1	М	Bare soil	Moderate	Slightly open crown habit. Occasional small torn laterals. Could be removed in favour of T21 which is a more desirable species for the rear garden location.	None	0	20	B1
T21	Pear Pyrus communis	8	440	5.28	2	2	2	2	2	М	Bare soil	Moderate	Compression fork at 2m. some crown decline west side likely due to shading.	None	0	20	B1
G4	Leyland cypress Cupressus x leylandii	7	100	1.2	1	1	1	1	0	EM	Bare soil	High	Close planting centres. Group sharing crown space.	None	0	10	C1
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H1	Beech Fagus sylvatica	3	100	1.2	1	1	1	1	0	Y	Bare soil	Moderate	Maintained at current height and spread.	None	0	15	C1
H2	Beech Fagus sylvatica	3	100	1.2	1	1	1	1	0	Y	Bare soil	Moderate	Maintained at current height and spread.	None	0	15	C1



#### **Explanatory Notes**

#### Referencing

Each tree is given a unique reference number and plotted on the attached plans for clear identity. Individual trees are referenced as T1, T2 etc., Groups G1, G2 etc. Hedgerows H1, H2 etc. and Woodlands W1, W2 etc.

#### Species

All species are recorded using common names. Identification is made using experience and knowledge.

#### Tree dimensions

Tree height is measured and recorded in meters and taken from the base of the stem to the tip of the crown. Height is estimated using experience and knowledge.

Diameter at Breast Height (DBH) is measured at approximately 1.5m from the ground up the stem and is measured and recorded in millimeters. DBH is measured accurately using a diameter tape.

Crown spread is measured in meters from the stem to the extent of the crown spread to each compass point (NESW). Crown spread is estimated using experience and knowledge.

Crown clearance is the height from ground level to the lowest branch and is measured in meters. Crown clearance is estimated using experience and knowledge.

#### Age class

Age class falls in to 4 categories:

Y Young

EM Early Mature

M Mature

OM Over Mature

#### **Observations**

The biological condition of the tree is assessed and noted. Notable defects are recorded; fruiting bodies, cankers, die back, exudates, etc. are recorded.

The mechanics of the tree are assessed and noted. Notable defects are recorded; buckling, rib formation, stresses, bulges, soil cracks, large cavities or wounds, tight branch junctions, etc. are recorded.

#### **Preliminary management recommendations**

Tree management is recommended following the assessment of physiological and structural condition.

Recommended works may include, no work required, crown reduction, crown lift, fell, crown thin, monitor etc.

#### Estimated remaining contribution in years

An estimate of remaining life expectancy recorded in years. Estimated remaining contribution is made using experience considering the structural and physiological condition of the tree, nuisance, previous management, etc.

#### Category grading and colour coding on plan

A (Green square) high quality and value

B (Blue square) moderate quality and value

C (Grey square) low quality and value

U (Red Square) those that cannot be retained as living trees



#### **Sub categories**

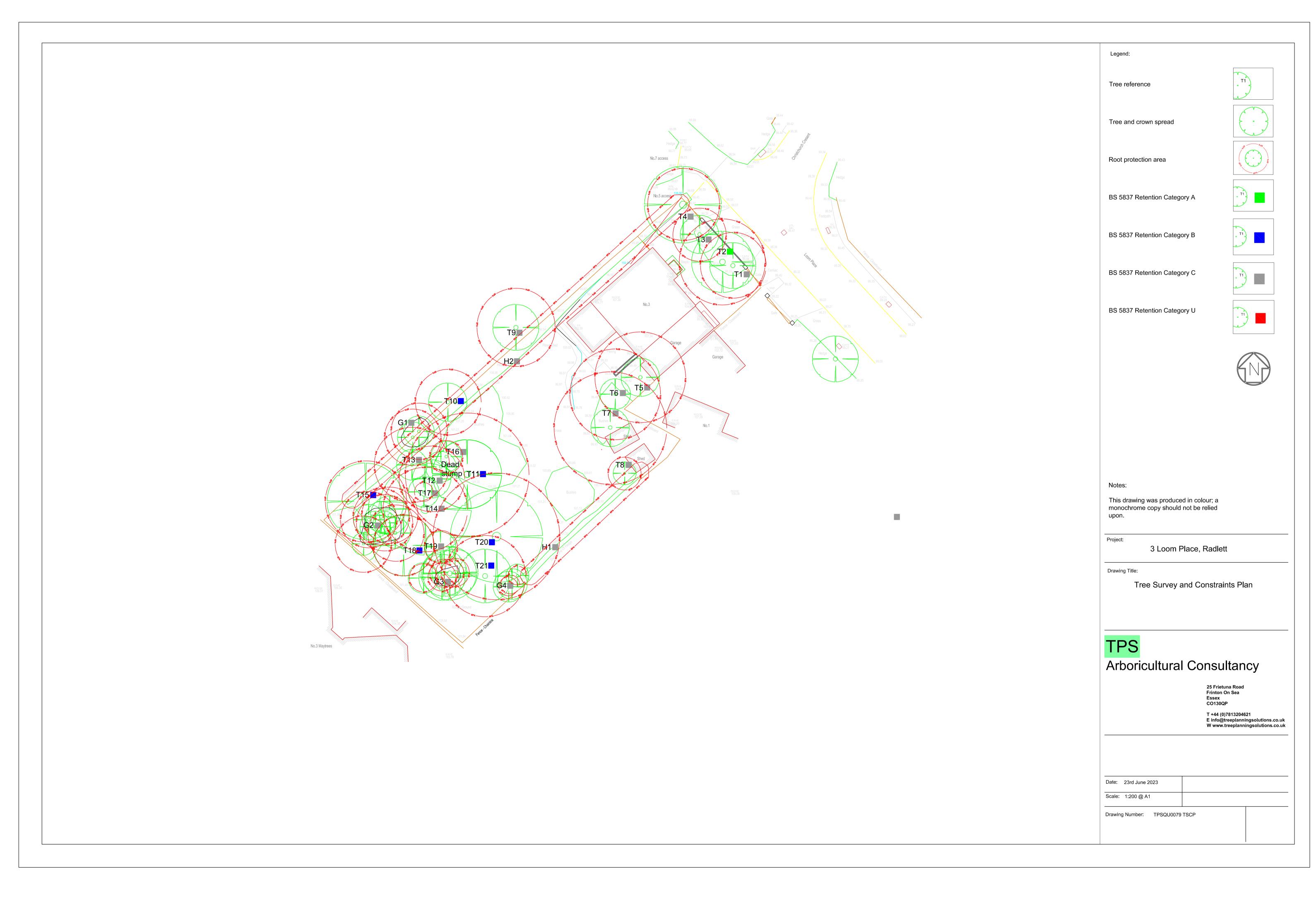
- 1 arboricultural values
- 2 landscape values
- 3 cultural values, including conservation

#### **Works priority**

- 1 Works required immediately to make the tree safe
- 2 Works required within 60 days
- 3 Works required as part of routine operations
- 0 no works required



Appendix 2 Tree survey and constraints plan





#### Appendix 3 Barrier construction profile

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Diagram 1 Weldmesh panels with block supports pegged to brace light impact

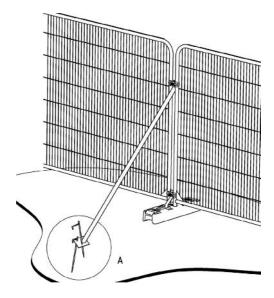


Diagram 2 Weldmesh panels with block supports and further block supports to brace intermediate impacts

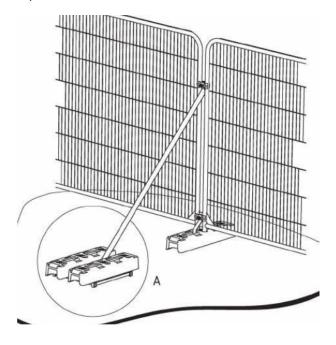
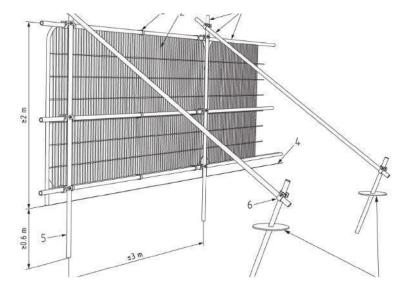




Diagram 3 Weldmesh panels with scaffold frame posts driven into the ground to brace heavy impacts





Appendix 4 Example of informative to be placed on barrier

# Construction **Exclusion Zone**

These trees have been retained and protected as part of the planning permission for this site.

Any breach of the protection will result in enforcement action from the Local Authority.



Appendix 5 Tree protection plan

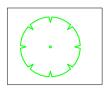


Legend:

Tree reference



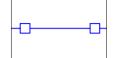
Tree and crown spread



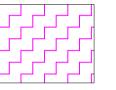
Root protection area



Temporary barrier protection



Supervised excavation





Notes:

This drawing was produced in colour, a monochrome copy should not be relied

3 Loom Place, Radlett

Drawing Title:

Tree Protection Plan



# Arboricultural Consultancy

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Date:	6th July 2023	
Scale:	1:200 @ A1	

Drawing Number: TPSQU0079 TPP



### Appendix 6

Example of arboricultural monitoring form

# **Tree Planning Solutions**

## **Contract Monitoring Form**

**Details** 

Date	
Time	
Surveyor	
Surveyor Client	
Site	
Ref	

#### **Trees**

Tree ref	Condition	Recommendations

#### **Barrier**

Tree ref	Barrier type	RPA radial distance as per planning permission	Actual barrier radial distance at site	Condition of barrier	Condition of signage	Comments

Tree Planning Solutions
Contract Monitoring Form 001

# Tree Planning Solutions

#### **Ground Protection**

Tree ref	Type of ground protection installed	RPA distance as per planning permission	Actual distance of ground protection at site	Condition of ground protection	Comments

Ac	lditional Comments		

Tree Planning Solutions	
Contract Monitoring Form 001	