

Appendix 1 Tree survey and explanatory notes

Site: 137 / 135

Date of Survey:
Arboricultural Consultant/Surveyor:
Weather:
Fronks Rd
18/05/2023
J Choat
Dry/light wind

Estimated

					В		spre										
ree 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	Oak Quercus robur	18	720	8.64	5	5	5	5	3	М	Bare soil	High	Good condition.	None	0	40	A1/2/3
T2	Cherry Sp Prunus Sp	15	860	10.32	5	5	5	5	1	М	Bare soil	Moderate	Multi stem. 3 stems at 500 dbh. Young Ganoderma fungal fruit body at base. Likely to decline over next 10 years.	None	0	20	C1
G1	Various Fruit	2	90	1.08	1	1	1	1	1	Y	Grass	Moderate	Various fruit trees recently planted forming small orchard.	None	0	15	C1
G2	Leyland cypress Cupressus x leylandii	18	220	2.64	1	1	1	1	0	EM	Grass	High	Close planting centres. Some with open lower crown. Possible issues with high hedges.	Consider speaking with owner to see if the trees could be removed or reduced.	0	15	C1
ТЗ	Gum Eucalyptus sp	19	500	6	4	4	4	6	2	М	Grass	High	3rd Party. Good condition. Tree often cited as a nuisance species due to vigorous growth, high water demand, etc.	None	0	20	C1
T4	Willow Salix Sp	15	500	6	5	5	5	5	0	М	Grass	High	3rd party . Ivy clad stem. Asymmetric crown bias to west. Branch welding at 5m.	None	0	15	C1
T5	Cherry Sp Prunus Sp	15	470	5.64	4	4	4	4	1	М	Grass	Moderate	Compression fork at 2.5m with small inclusion.	Reduce crown by 2m.	0	25	C1
T6	Cherry Sp Prunus Sp	12	300	3.6	3	3	3	3	1	EM	Grass	Moderate	Compression fork at 2.5m with small inclusion.	Reduce crown by 2m.	0	25	C1
T7	Cherry Sp Prunus Sp	12	200	2.4	3	3	3	3	1	EM	Grass	Moderate	3rd party. Ivy clad, unable to fully assess.	None	0	25	C1
Т8	Maritime Pine Pinus pinaster	17	600	7.2	4	4	4	4	1	М	Bare soil	Moderate	3rd party, unable to assess. Crown appears in good condition, needles are good size, shape, colour and density.	None	0	30	B1
G3	Cherry Sp Prunus Sp	15	180	2.16	3	3	3	3	2	Y	Grass	Moderate	Group of cherry suckers	None	0	15	C1
Т9	Silver Birch Betula pendula	10	200	2.4	2	2	2	2	2	EM	Grass	Low	3rd party unable to assess. Crown appears in good condition, leaves are good size, shape, colour and density.	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

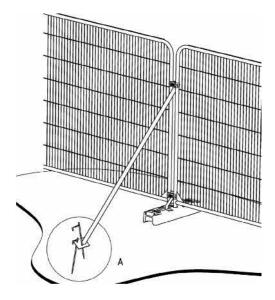


Diagram 2 Weldmesh panels with block supports and further block supports to brace intermediate impacts

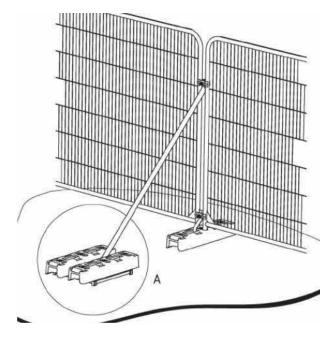
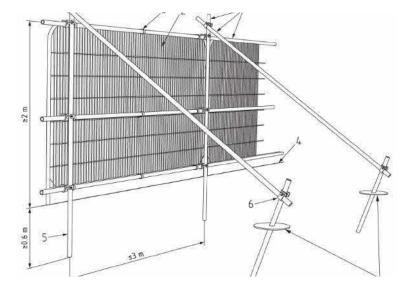




Diagram 3 Weldmesh panels with scaffold frame posts driven into the ground to brace heavy impacts





Appendix 4 Example of informative to be placed on barrier

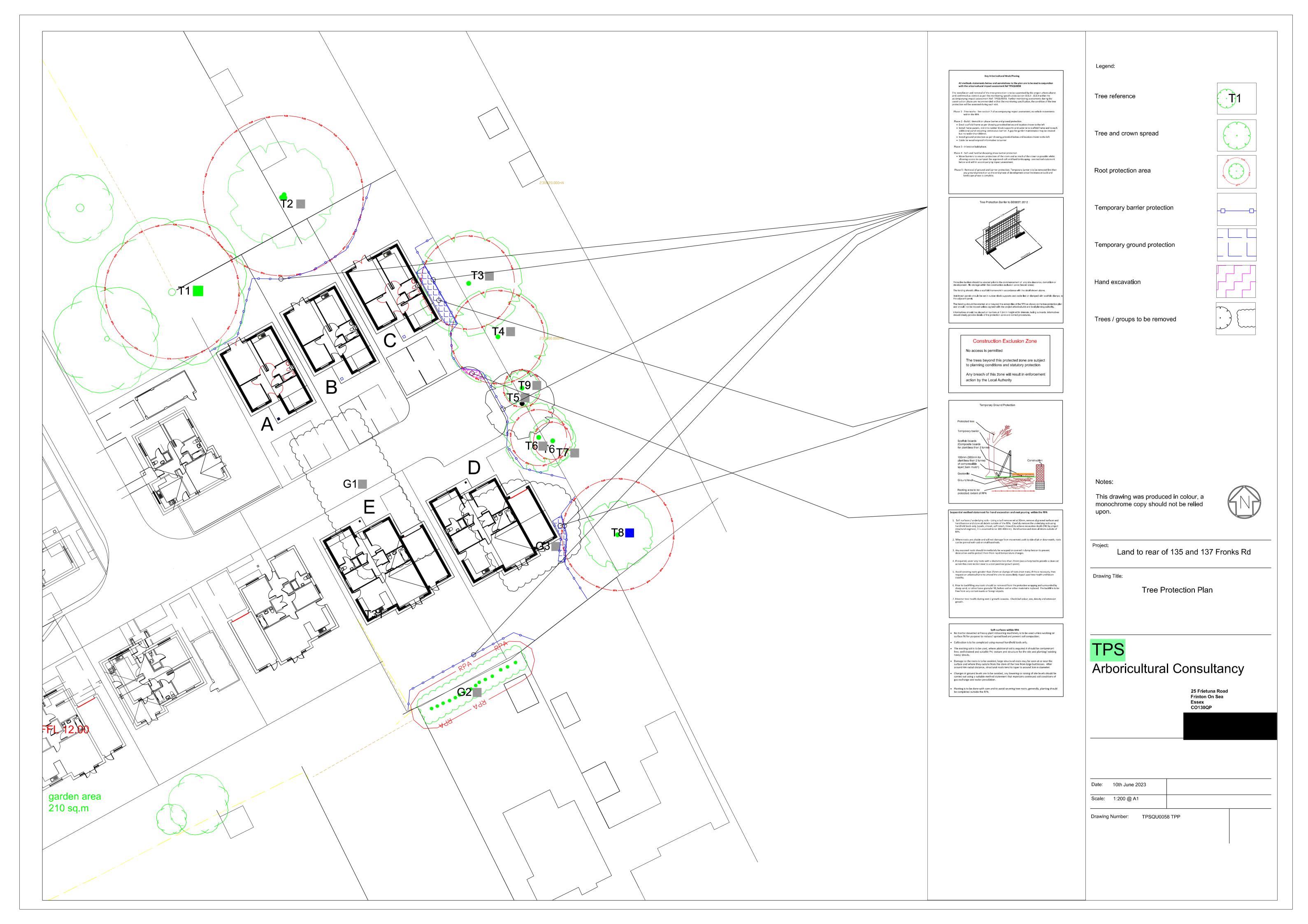
Construction Exclusion Zone

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





Appendix 6

Example of arboricultural monitoring form

Tree Planning Solutions

Contract Monitoring Form

Details

Date	
Time	
Surveyor	
Client	
Site Ref	
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

 Additional Comments

Tree Planning Solutions	
Contract Monitoring Form 001	