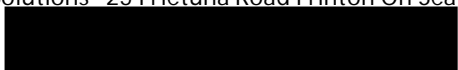




Appendix 1 Tree survey and explanatory notes



Tree Survey Schedule

Site: Montrose, Pork Lane
Date of Survey: 11/09/2023
Arboricultural Consultant/Surveyor: J Choat
Weather: Dry, light wind

Tree ref	Species Common and Scientific	Height in m	Stem diameter in mm	Radial distance required for RPA	Branch spread				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
					N	E	S	W									
G1	Lombardy poplar <i>Populus nigra italica</i>	19	500	6	2	2	2	2	0	M	Bare soil	High	3rd party, rooted beyond chain-link fence. Unable to fully assess.	None	0	20	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

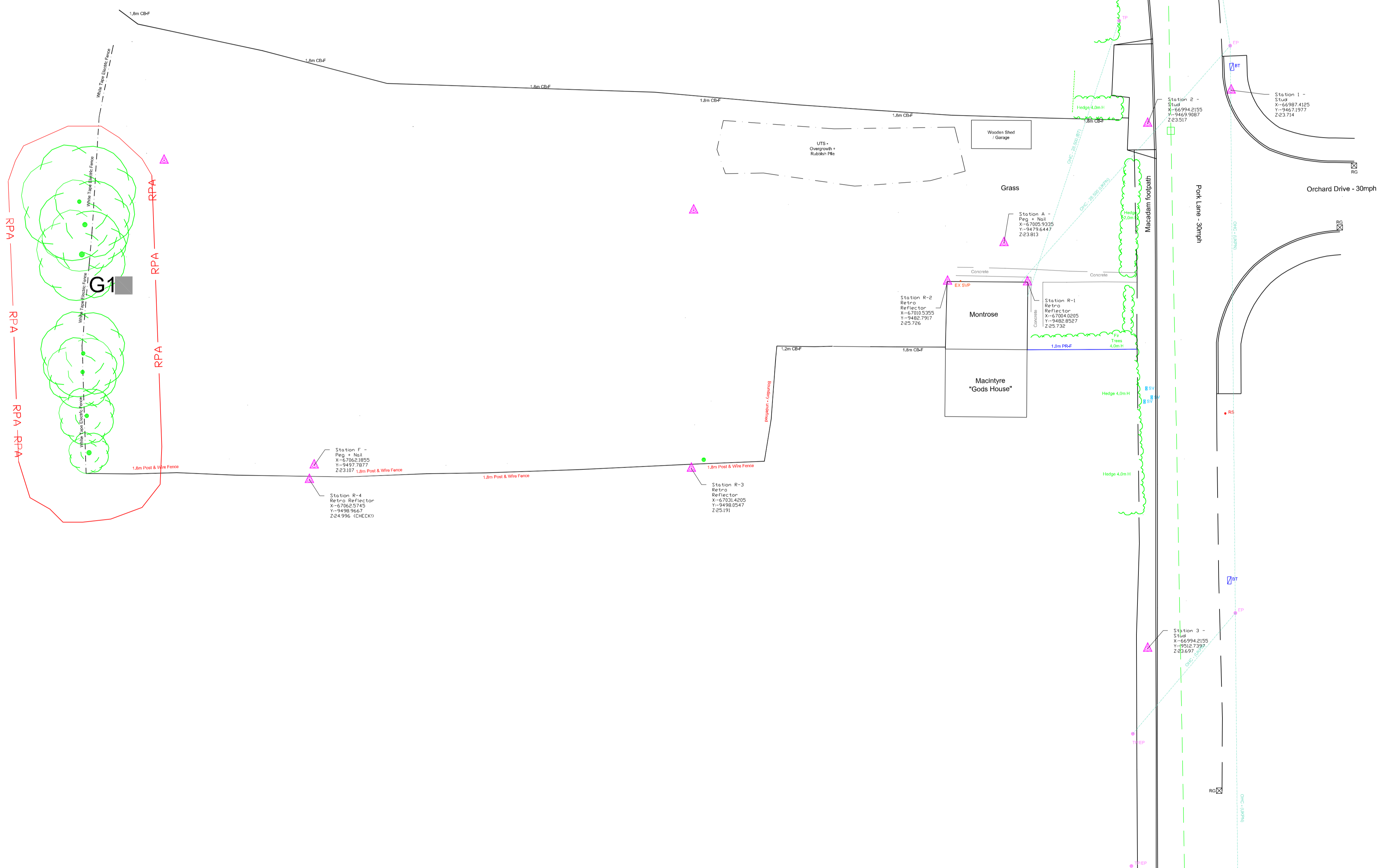
Works priority

- 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



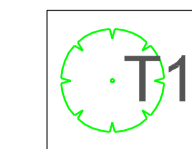
Appendix 2 Tree survey and constraints plan



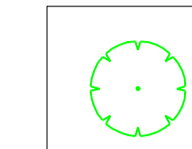


Legend:

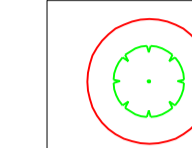
Tree reference



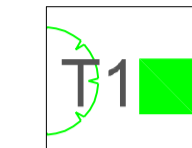
Tree and crown spread



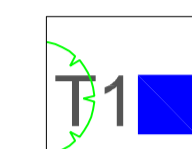
Root protection area



BS 5837 Retention Category A



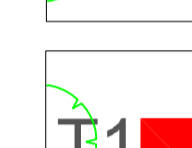
BS 5837 Retention Category B



BS 5837 Retention Category C

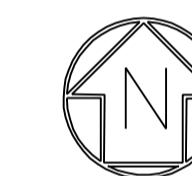


BS 5837 Retention Category U



Notes:

This drawing was produced in colour; a monochrome copy should not be relied upon.



Project:

Montrose, Pork Lane, Gt Holland

Drawing Title:

Tree Survey and Constraints Plan

TPS

Arboricultural Consultancy

25 Frituna Road
Frinton On Sea
Essex
CO13 0QP

Date: 26th November 2023

Scale: 1:200 @ A1

Drawing Number: TPSQU0134 TSQP

Appendix 3 Barrier construction profile

Permission to reproduce extracts from BS 5837:2012 is granted by the British Standards Institution (BSI). No other use of this material is permitted. The complete British Standard can be purchased from the BSI online shop: <http://shop.bsigroup.com/en/ProductDetail/?pid=00000000030213642>

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

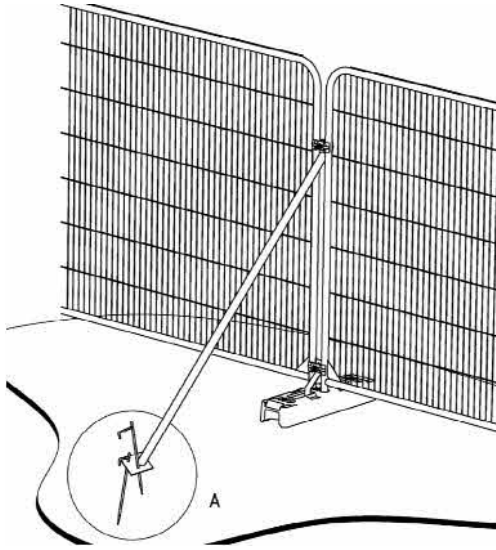


Diagram 2 Weldmesh panels with block supports and further block supports to brace intermediate impacts

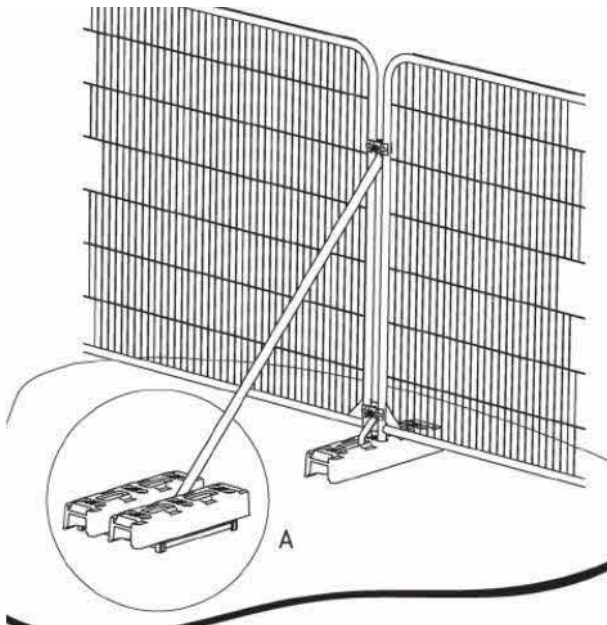
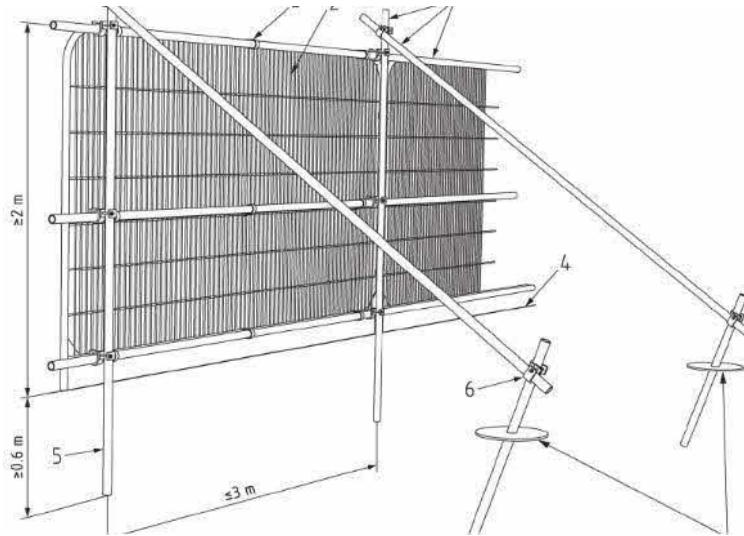


Diagram 3 Weldmesh panels with scaffold frame posts driven into the ground to brace heavy impacts



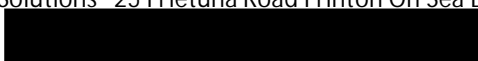
Construction Exclusion Zone

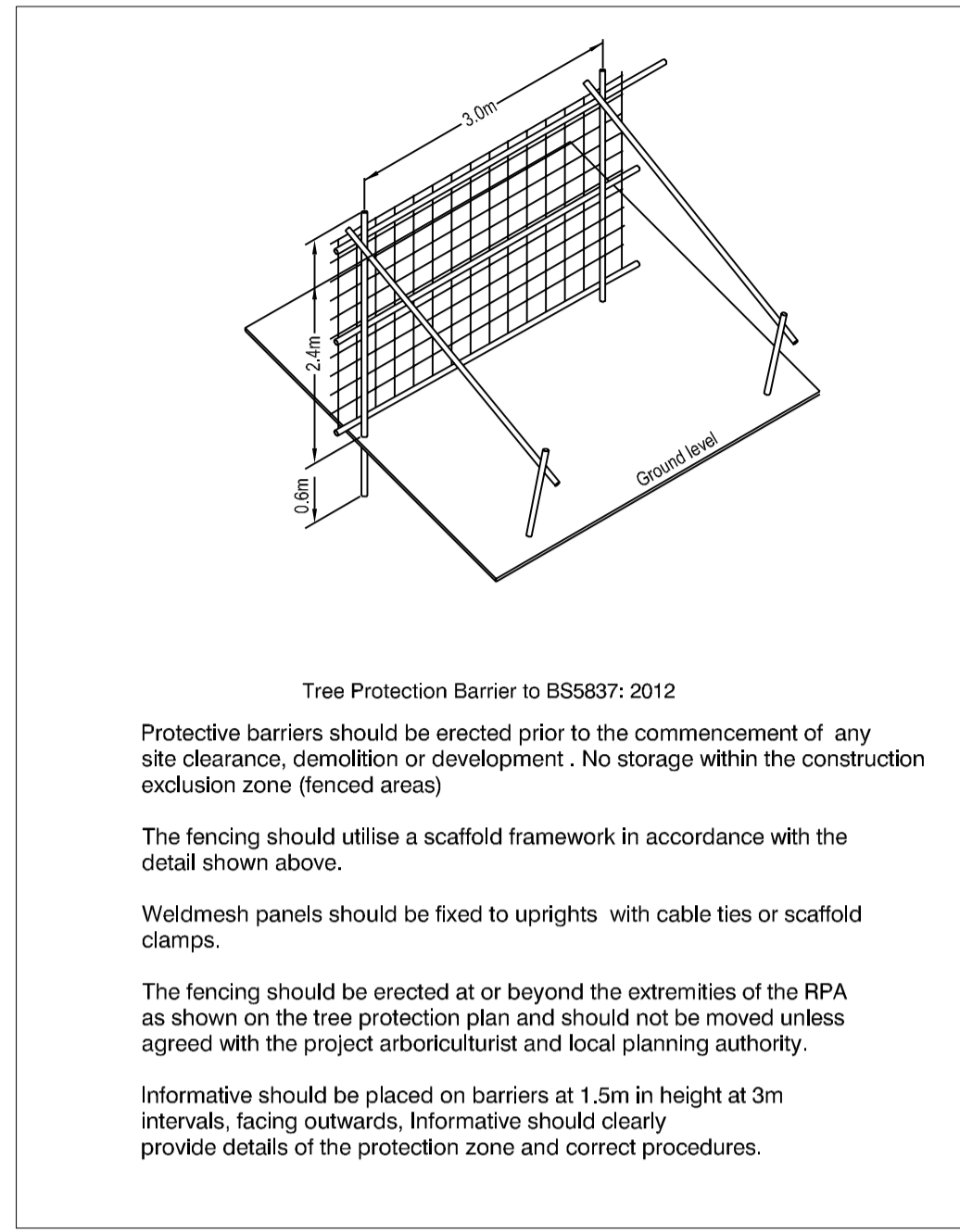
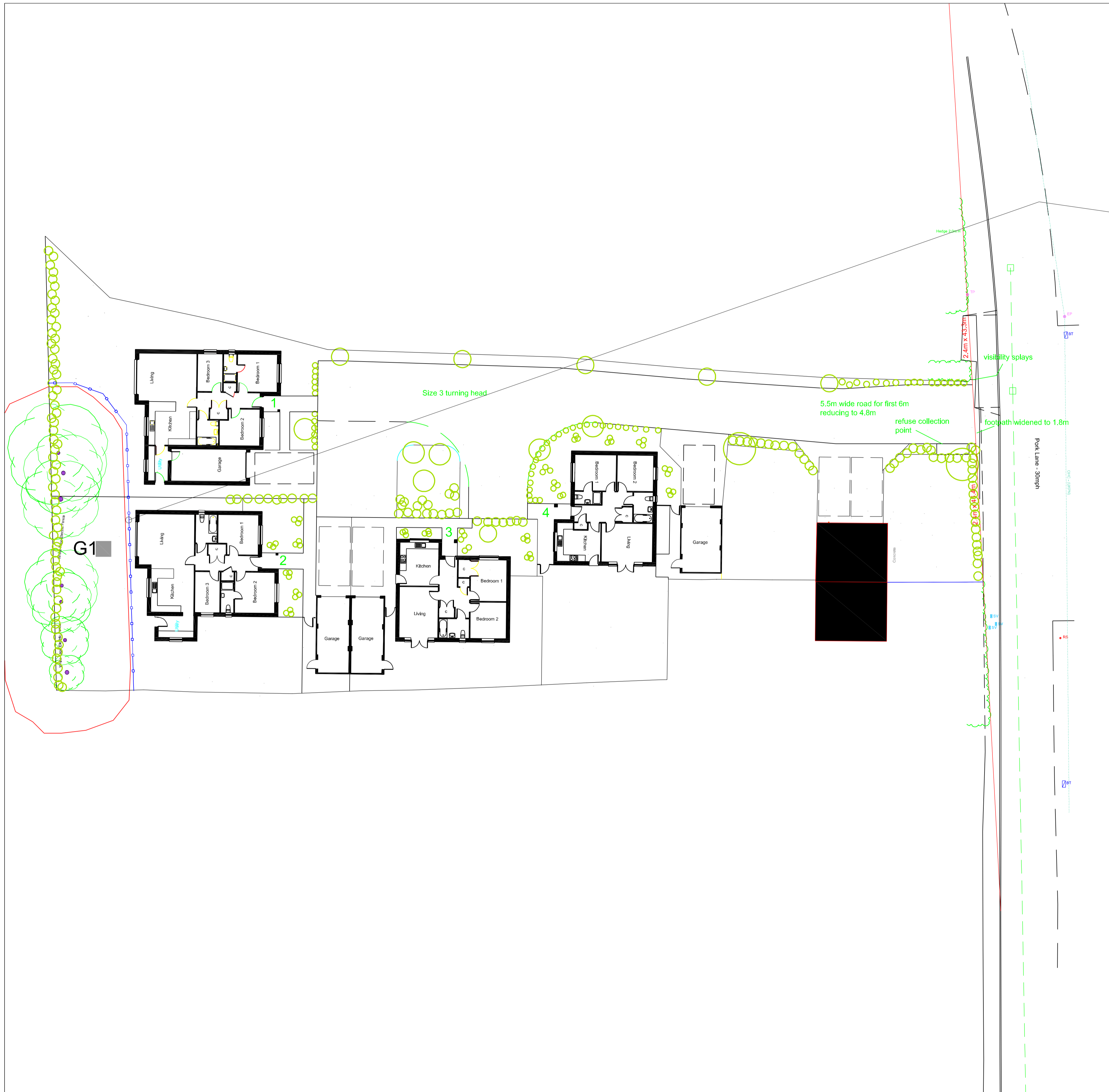
These trees have been retained and protected as part of the planning permission for this site.

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



Appendix 5 Tree protection plan





Weatherproof informative to be placed on barriers

Construction Exclusion Zone

No access is permitted

The trees beyond this protected zone are subject to planning conditions and statutory protection

Any breach of this zone will result in enforcement action by the Local Authority

- Legend:
- Tree reference
 - Tree and crown spread
 - Root protection area
 - Temporary barrier protection
 - Trees and hedges to be removed
-

Notes:

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

Project: **Montrose, Pork Lane, Gt Holland**

Drawing Title: **Tree Protection Plan**

TPS
Arboricultural Consultancy

1 Ivy Cottage
Clacton Road
Weeley Heath
Essex
CO16 9ED

Date: 26th November 2023

Scale: 1:200 @ A1

Drawing Number: TPSQU0134 TPP

TPS

Appendix 6

Example of arboricultural monitoring form



Tree Planning Solutions

Contract Monitoring Form

Details

Date	
Time	
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

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