

TPS

Arboricultural Consultancy

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## Soft Landscaping Scheme

### Tree survey plan

For

Land at 241 Stowmarket Road, Great Blakenham, Suffolk

<b>Date</b>	12 <sup>th</sup> June 2021
<b>Client</b>	Grow Holdings
<b>Report by</b>	Mr James Choat BSc, HND, M Arbor A
<b>Site</b>	241 Stowmarket Road
<b>Reference No.</b>	TPSarb1930820



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## 1. Summary

1.1 Tree Planning Solutions received instruction from Steve Norman- Architect to complete a soft landscaping scheme and tree survey plan for an area of land at 241 Stowmarket Road, Gt Blakenham, Suffolk. The planting scheme is required to discharge a planning condition No 8 for the required landscaping detail and existing / retained trees and their protection during the construction phase.

*No development above slab level shall take place until there has been submitted to and approved, in writing, by the Local Planning Authority a scheme of hard, soft and boundary treatment landscaping works for the site, which shall include any proposed changes in ground levels and also accurately identify spread, girth and species of all existing trees, shrubs and hedgerows on the site and indicate any to be retained.*

1.2 A mixture of heavy standard and feathered whips will be planted at specific locations to soften and screen the proposal and associations to provide instant visual amenity, the front and rear soft surface amenity spaces will be a lawn surface, please see the soft landscaping plan for further details and for the specification.

1.3 The report identifies the following:

- a design layout for tree planting
- species to be planted
- specification of species to be planted
- planting densities and number of plants required
- planting method statement
- aftercare and management program

1.4 This report pays particular reference to:

- BS 5837                      Trees in relation to design, demolition and construction
- BS 4428                      Code of practice for landscape operations



- BS 3961-1                      Nursery stock

1.5 The applicant has supplied plans showing the proposed layout of the site, no further detail has been provided.

## 2. Site description

- 2.1 The site is located centrally within the village of Great Blakenham and accessed from Stowmarket Road via a crossover providing access to the site. The surrounding area consists of occasional residential housing with normal associations and semi-rural landscape.
- 2.2 A topographical survey was provided with the instruction for this project. The site is generally flat with no significant ground level changes. Various inspection chambers were recorded during the site survey, it is assumed that new services will connect to the existing, although exact details are yet to be provided, no planting will be carried out over services.
- 2.3 British Soil Geology Maps scaled at 1:50,000 show the site to be situated on sedimentary bedrock of Newhaven Chalk Formation – chalk and superficial deposits of River Terrace Deposits - sand and gravel. Local variations and differing soil seams of superficial and bedrock deposits do occur, differing bedrock and superficial deposits will have a different soil texture and structure to those described above and will perform differently. It is recommended core samples be obtained to determine the exact soil texture at the site.

### 3 Species choice and specification for new planting

#### 3.1

##### Trees and whips

<i>Betula jacquemontii</i> heavy standard	Himalayan Birch * 4
<i>Acer campestre</i> elsrijk heavy standard	Field Maple elsrijk * 3
<i>Carpinus betulus</i> frans Fontaine	Hornbeam Frans Fontaine * 7
<i>Carpinus betulus</i> whips (hedgerows)	Hornbeam * 845

3.2 Heavy standard trees will be planted for immediate screening/visual amenity. Heavy standard trees will be supplied container grown in 45ltr pots. They will have a girth of 12-14cm, be at an overall height of 350cm and have a clear stem to 175cm, as defined in BS 3961-1. Trees will be planted with root guards and deflectors to prevent damage to structures/hard surfacing.

3.3 Whips will be supplied bare-rooted, they will have few lateral braches and be at an overall height of 50cm. They will be planted in a double staggered row at 40cm centres on raised cams at 40cm intervals. Each tree will have a spiral guard to prevent grazing. The length of the planting area will be mulched with bark chippings to depth of 5cm. Trees will be planted with root guards and deflectors to prevent damage to structures and hard surfacing.

3.3 All trees will be guaranteed to be free from all known pests and diseases; they will be supplied without significant structural defect; where this does occur formative pruning will be carried out to reduce/remove the defect.

#### 4 Planting method statement and aftercare

4.1 All landscape works to be carried out broadly in accordance with the relevant current British Standards. The landscape scheme/planting program is confirmed as being timetabled for implementation by or during the first planting season (mid-November to mid-March) after substantial completion of the development or prior to sale of any individual plots, whichever is the sooner.

- Planting site prepared to 2 times the width of the container and ½ times the depth. Bottom and sides of pit forked lightly.
- Remove container carefully so as not to damage roots and surrounding soil.
- Clean any damaged root material by cutting back to growth point using sharp secateurs.
- Place tree into site and manoeuvre so as not to damage root and surrounding soil but achieve upright balanced position.
- Add water, do not waterlog.
- Backfill with original soil + 3/4 shovels of growing medium.
- Clean any damaged branches.
- Carry out formative pruning if required.
- Drive 2 5ft stakes 30cm into soil at radial distance of 30cm either side of stem. Stakes should be at ¼ of height of tree. Loosely tie rubber band from each stake to stem of tree.
- Water and feed with micro and macro nutrient feed. Add bark mulch to cover 1m<sup>2</sup> around base of stem, leaving 15cm gap from stem, add preventative grazing guard.
- All whips are to be planted using notch planting methods. They will have a spiral guard to protect from grazing animals, bark mulch will be added to the entire planting site to a depth of 5cm

## Aftercare and maintenance

### 4.3 Trees

- Water once per week during growing season (April-Sept) for 3 years.
- Hand weed where necessary.
- Check stakes and ties and carry out any necessary adjustments.
- Check tree for any damage or signs of ill health. Build into works specification if required.
- Remove any dead trees and replace like for like until the amenity is established.
- Remove stakes after 3 years or when tree has achieved sufficient root anchorage.

### 4.4 Hedge (whips)

- Water once per week during growing season (April-Sept) for 3 years.
- Hand weed where necessary, add bark mulch if required to depth of 5cm.
- Remove any dead trees and replace like for like until the hedge is established/closed.
- Formal hedge to be maintained at 1m in height and 0.75m in width in an 'A' shaped fashion cut twice per year.

### 4.5 Generic grounds maintenance

- Trees will be inspected once per year (October/November) by qualified arboriculturist, works programme will be provided for tree/shrub management.
- Any dead tree/shrubs will be removed and replaced like for like during the next available planting season.
- Tree planting areas will be watered once per week during the growing season for 3 years until the amenity is established. A macro/micronutrient feed will be added during watering



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at the beginning of each growing season and midsummer. Watering will be via a hose with 'slow trickle' at the base of the tree.

- Leaf litter clearance will be carried out November-December from all paths and footways, the leaves will be added to the rooting area of trees and shrubs.



## Appendix 1

- 1 Landscaping and planting plan
- 2 Tree survey plan
- 3 Tree survey schedule
- 4 Explanatory notes



- Legend**
- New tree planting, heavy standards
  - Lawn surface - turf
  - Hedge planting
  - Existing tree
  - Existing hedge

- Heavy Standard Trees**
- HB= Himalayan Birch – Betula utilis jacquemontii
  - FM= Field Maple – Acer campestre elsrijk
  - Hf = Hornbeam frans fontaine – Carpinus betulus frans fontaine

- Hedgerow whips**
- Hb –Hornbeam– Carpinus betulus

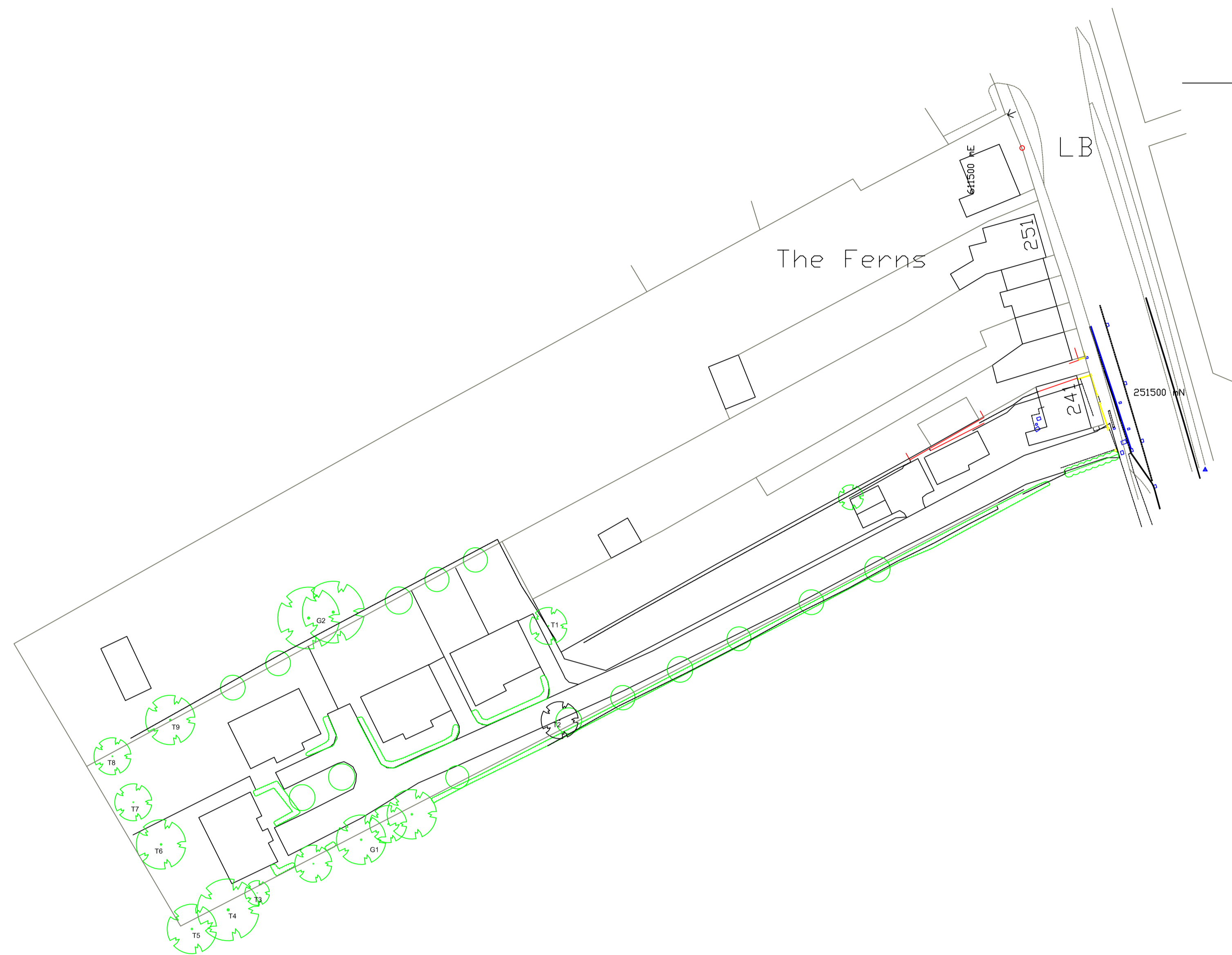
All heavy standard trees to be supplied container grown in 45 ltr pots, stem girth of 12-14cm, clear stem free of lateral growth to around 1.75m, an overall height of 2.5-3m and a crown spread of around 1m. All hedgerow whips to be supplied bare rooted in black plastic sacs. Whips to have few laterals and be at an overall height of 0.5m, to be planted on raised cams in double staggered rows at 40cm centres. Mulched to 50mm and spiral guard attached to prevent grazing. See accompanying report for planting densities, planting method statements and aftercare.

**Turfing**

Imported soil and screened topsoil to be a fertile medium loam, free from any perennial weeds, weed seeds, contamination, rubble, subsoil or stones bigger than 50mm and have a maximum stone content of 20%. Top-soiled areas to be cultivated by hand or machine prior to planting, with minimal compaction by machine. Topsoil planting minimum depths to be 450mm for shrub/tree beds, 150mm for turf/seeded areas.

Turfing: topsoil to be rotovated and levelled as required, any debris and stones above 30mm diameter remove and a suitable pre-turfing fertiliser added to manufactures recommendations. Cultivated, weed free amenity turf to be used, this laid with broken joints well butted up, working from planks so as not to damage the turf and watered up to full establishment as necessary to avoid shrinkage.

The finished surface level of grassed areas to be set above the height of adjacent hard surfacing to a minimum 10mm compacted level or sufficient to enable effective mowing of the grass without the potential for damaging mower blades against kerbs, etc.

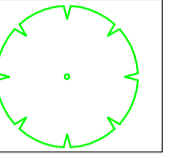


Legend:

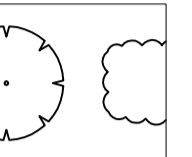
Tree reference



Tree and crown spread



Hedgerow / tree to be removed



Notes:

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

Project:

Land at 241 Stowmarket Road, Gt Blakenham

Drawing Title:

Tree Survey Plan

**TPS**

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Date: 12th June 2021

Scale: 1:200 @ A1

Drawing Number: TPSarb1930820 TPP

Site: 241 Stowmarket Rd Gt Blakenham  
 Date of Survey: 11/06/2022  
 Surveyor: J Choat  
 Weather: overcast

Item colour coding: Subject to change following further assessment  
Estimated

Tree ref	Species	Height in m	Stem diameter in mm	Branch spread			Height of crown clearance in m	Age class	Ground condition	NHBC Water demand	Observations	Preliminary management recommendations	Works urgency	Estimated remaining contribution in years	
				N	E	S									
H1	Lilac <i>Syringa vulgare</i>	2	100	1	1	1	0	EM	Bare soil	Not provided	Maintained at current height and spread	None	0	20+	
T1	Apple <i>Malus sp</i>	6	150	1	1	1	2	EM	Bare soil	Moderate	3rd party tree. Unable to fully assess.	None	0	20+	
T2	Hawthorn <i>Crataegus monogyna</i>	4	400	4	4	4	1	M	Bare soil	High	Multi stem.	None	0	20+	
G1	Ash <i>Fraxinus excelsior</i>	20	650	4	4	5	4	5	M	Bare soil	Moderate	Group of 4 trees rooted on boundary and sharing crown. Occasional compression forks and low crown.	None	0	20+
T3	Rowan <i>Sorbus aucuparia</i>	8	150	2	2	2	2	1	EM	Bare soil	Moderate	Suppressed crown.	None	0	20+
T4	Sycamore <i>Acer pseudoplatanus</i>	16	600	5	5	5	5	1	M	Bare soil	Moderate	Low crown break.	None	0	30+
T5	Field maple <i>Acer campestre</i>	14	500	4	4	4	4	1	M	Bare soil	Moderate	Low crown break. Metal fencing support post embedded in to stem.	None	0	30+
T6	Scots pine <i>Pinus sylvestris</i>	15	400	4	4	4	4	3	M	Bare soil	Moderate	Unable to assess due to dense surrounding vegetation.	Clear vegetation and reassess	3	30+
T7	Scots pine <i>Pinus sylvestris</i>	15	400	4	4	4	4	3	M	Bare soil	Moderate	Unable to assess due to dense surrounding vegetation.	Clear vegetation and reassess	3	30+
T8	Hawthorn <i>Crataegus monogyna</i>	5	200	2	2	2	2	0	M	Bare soil	High	Unable to assess due to dense surrounding vegetation.	Clear vegetation and reassess	3	20+
T9	Oak <i>Quercus robur</i>	6	400	3	3	3	3	1	EM	Bare soil	High	Appeared to have been previously topped, unable to assess due to dense surrounding vegetation.	Clear vegetation and reassess	3	30+
G2	Oak <i>Quercus robur</i>	14	500	5	5	5	5	2	M	Bare soil	High	Unable to assess due to dense surrounding vegetation.	Clear vegetation and reassess	3	30+

## 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 millimetres. 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