

Cantia

Arboricultural Services

Arboricultural Health and Safety Survey

CAS/2024/140

**For
Karen**

**Site
Saint Marys Church, Rushden, SG9 0SG.**

**Boyd Saunders
Dip Arb L4- Tech 'Arbor A'**

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1.0 Introduction

- 1.1.1 Cantia Arboricultural Services were instructed by Karen to undertake an Arboricultural Health and Safety Survey and provide arboricultural advice on the site known as Saint Marys Church, Rushden, SG9 0SG..
- 1.1.2 A detailed survey was undertaken on Thursday 16th May 2024 between the hours of 1000-1345hrs (215 mins) and the weather was noted as overcast with occasional showers. Visibility was deemed to be conducive of surveying

1.2 Scope of Works

- 1.2.1 The scope of the survey was to assess the physical condition of the trees and to recommend suitable tree works if any are required.
- 1.2.2 This is a preliminary assessment from ground level using the VTA (Visual Tree Assessment) method and observations have been made solely from a visual perspective. No invasive or other detailed internal decay detection devices have been used in assessing internal conditions. The survey was carried out with the assistance (where required) of the following equipment-
- Binoculars - – Inspection of upper sections of the tree.
 - Sounding Mallet – Assessment of wood quality, decay extent.
 - Steel Probe – To test resistance of wood and depth of cavities.
 - DBH (diameter) Tape – Measurement of stem diameter.
 - Clinometer- To measure height of tree.
 - Laser measure – Measurement of canopy dimensions & tree location.

- 1.2.3 Any conclusions relate to conditions found at the time of inspection. Any significant alteration to the site that may affect the trees that are present (including level changes, hydrological changes, extreme climatic events or other site works) will necessitate a re- assessment of the trees and the site and render any previous advice/ findings invalid.
- 1.2.4 Trees are living organisms and even apparently healthy trees cannot be considered completely safe due to forces of nature and environmental fluctuations which dictate a natural failure rate of intact and healthy trees.
- 1.2.5 This is an arboricultural report and no such reliance must be given to comments relating to buildings, engineering, soil or ecological issues.
- 1.2.6 The content and format of this Report are for the exclusive use of the Client as shown on the front cover of this report. It may not be sold, lent, hired out or divulged to any third party not directly involved in the subject matter without the written consent of Cantia Arboricultural Services.
- 1.2.7 This report is made on behalf of Cantia Arboricultural Services and no individual is personally liable. By receiving the report and acting on it, the named client, or any third party relying on it, accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence).
- 1.2.8 Works recommended within this report are broken into four categories.
- 1) Those which are recommended due to health and safety concerns. These are likely due to issues within the tree such as decay, damage, disease, dysfunction or bio-mechanical features which would indicate an increased risk of future failure (partial or total) and the destructive potential should this occur.

- 2) Works to ensure compliance with local authority guidelines regarding tree/shrub growth in relation to public footpaths and highways.
- 3) Those which are recommended due to the potential of an otherwise healthy tree to cause damage. These can include such issues as physical contact with buildings, potential damage to utility apparatus within the vicinity or damage/lifting of hard surfaced areas. Works are recommended to avoid liability of damage costs.
- 4) General management / maintenance works which would be beyond the capacity of the home owner to carry out themselves. These can include works to avoid excessive shading, or to avert the potential for future physical contact or damage which may incur liability.

Tree works have been recommended to promote a continued harmonious relationship between the trees and people who frequent their vicinity. The recommended pruning works can be considered as minimal and “good practice”. Proposed works are aimed at increasing the longevity of the trees to retain their contribution to the landscape within the public realm. Information recorded whilst surveying which provide the pretext for recommended works can be viewed on the Survey Schedule in the Appendices.

1.2.9 The Treesafety_recommendations schedule is available to view in the appendices and indicates recommended works in order of priority. Also recorded in this section is the time scale for works to be carried out, which is broken into eight categories depending upon the urgency of works–

- 1) Urgent
- 2) 1 Month
- 3) 3 Months
- 4) 6 Months
- 5) 1 Year
- 6) 2 Years
- 7) 3 Years

8) No Action Required

- 1.2.10 In some instances, features noted in the tree may warrant further investigation. Usually this is made by the recommendation of either a “climbing inspection” of the upper elements of the tree, or by “decay detection” to assess the extent of internal decay (usually within the main stem of a tree). In some cases, Cantia Arboricultural Services Ltd can offer climbing inspections. If tree works are recommended for the subject tree then usually it will be more economical to have the inspection carried out at the time of the works by the contractor. In the case of decay detection, or instances where Cantia Arboricultural Services Ltd is not available for climbing inspection, they must be carried out by a suitably qualified individual.

1.3 Documentation & Disclosure

1.3.1 The following documentation and information has been made available-

- The trees being surveyed in detail and liability for their maintenance fall within the boundary of the church and its car park.

2.0 Site and Tree Discussion

2.1 Site Description

- 2.1.1 The site consists of a detached church building set in a graveyard plot of approx. 5,240 square metres (1.3 Acres). This area includes the associated car park which is located to the Southeast of the church grounds.



2.2 Tree Discussion

- 2.2.1 A total of thirty two individual trees and four groups of trees have been assessed in detail from ground level by visual means only. Further physical investigation is sometimes carried out by the use of a metal probe and sounding mallet around the basal areas of the tree if bio-mechanical features indicate a requirement.
- 2.2.2 The report does not generally include individual small trees and shrubs with negligible destructive potential, and which are easily manageable by home owners as part of general garden maintenance. The exception to this will be where they are noted as having significant contact with buildings or where they are not compliant with local authority guidelines regarding public footpaths and highways.

- 2.2.3 In many areas around the plot trees were noted as having canopies which hung low. Over public footpaths the requirement is for tree canopies to be lifted to to have at least 3m clearance of ground level. This allows space for pedestrian movement without the risk of conflict with tree branches. Where tree canopies have been noted lower than 3m over public footpaths a recommendation has been made for lifting and the works noted on the work recommendations. Where trees are noted within the graveyard with low canopies, the decision on lifting is left to the discretion of the Church Wardens, based upon the amount of pedestrian traffic an area is subject to.
- 2.2.4 Some of the trees on site were noted as having deadwood throughout their canopies. The amount of deadwood noted was not sufficient to be considered due to disease or decline. Deadwood is a natural occurrence in trees as they abandon branches which become uneconomical to retain. However, over time these dead branches decay and become prone to falling. Where deadwood has been noted with the potential to fall onto public footpaths' a recommendation has been made for removal.
- 2.2.5 In many instances climbing species such as Ivy (*Hedera spp*) were noted growing on tree stems / canopies. Whilst climbing species are beneficial for the environment their presence hinders detailed inspection of trees and can hide indicators of decay or failure. It is therefore recommended that climbing species be severed or removed from the trees and groups of trees prior to future inspection.
- 2.2.6 Re-inspection is recommended to take place in approx. 2 years' time in an alternating season (in this case re-inspection recommended for deep Winter Dec-Jan 2026/27) to allow inspection of the trees with no canopy cover. This will allow for detailed inspection of structural elements of the trees which may have been obscured by leaf cover in Summer months.
- 2.2.7 Tree numbered T02 Ash (*Fraxinus excelsior*) has been historically coppiced (cut down to a stump and allowed to regenerate naturally). Upon inspection significant

decay was noted in the coppice stool. Therefore, a recommendation has been made for a significant reduction to the trees canopy (50%) to minimize sail effect in windy conditions and the associated pressures on lower structural elements of the tree.



T02 Ash (viewed from car park) & Coppice stool

3.0 Conclusion

- 3.3.1 From a Health and Safety perspective the primary concern is for the continued safety of church visitors and members of the public who pass within the vicinity of surveyed trees. This report and the works recommended within it aim to fulfil 'duty of care' requirements.

4.0 Specification for Tree Works

- 4.1.1 All work should be carried out by a competent, qualified and experienced contractor.
- 4.1.2 If trees are covered by TPO (Tree Preservation Order) or fall within a Conservation Area it will be necessary to consult with local authorities prior to any tree work being carried out.
- 4.1.3 The works recommended within this report should be deemed necessary for reasonable management and acceptable to the local authority. However the local authority are within their rights to take a different point of view and therefore have the option to refuse consent or change specified work.
- 4.1.4 It is offence to willfully or recklessly harm, disturb or destroy bat roosts and wild bird nesting sites. Whilst there was no evidence of either at the time of the inspection a contractor should carry out a further inspection prior to any work commencing.
- 4.1.5 Should the contractor find any evidence or roosting bats then work must cease immediately and guidance sought from Natural England 0854 1300 228.

Details of tree inspections

Site name: All Sites

Risk zone: -

Contact: -

Trees: 56

Work items: 36



Ref.	Species	Description	Measurements	Survey Notes	Overall Condition	Recommendations
G01	Lime x7 (Tilia sp.)		Height (m): 16 DBH (cm): 60 Trees: 7 Life Stage: Mature Life Exp.: 30+ Years		Fair	Crown lift over car park & footpath to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)
G02	Hawthorn x3 (Crataegus sp.)	Owned by the estate. Tree in hedge.	Height (m): 8.5 DBH (cm): 45 Trees: 3 Life Stage: Mature Life Exp.: 30+ Years	Group of 3 x hawthorn which have grown as single unit. Largest of three (to East of group) has historic wind throw with corrective growth. Inspection of lower stem revealed a small cavity just above ground level to west-decay is present to at least 20cm. Target area for failure is scrub ground. Prolific ivy cover throughout group	Fair	No action required. Timescale: No Action
G03	Hawthorn x12 (Crataegus sp.)	Owned by the estate.	Height (m): 12 Trees: 12 Life Stage: Mature Life Exp.: 30+ Years	Prolific ivy cover throughout canopies. Majority of group is weighted towards scrub land to rear	Fair	No action required. Timescale: No Action

Ref.	Species	Description	Measurements	Survey Notes	Overall Condition	Recommendations
G04	Hawthorn x2 (Crataegus sp.)	Owned by the estate. Target # - footpath.	Height (m): 8 DBH (cm): 25 Trees: 2 Life Stage: Mature Life Exp.: 30+ Years	Canopy hanging low over footpath	Fair	Crown lift over footpath to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)
T01	Hawthorn (Crataegus sp.)	Owned by the estate. Tree in fence line. Target # - car park. Target # - footpath.	Height (m): 7 Crown Radius (m): 4.5 DBH (cm): 15 Life Stage: Mature Life Exp.: 30+ Years	Light ivy cover on main stem	Fair	No action required. Timescale: No Action
T02	Ash (Fraxinus sp.)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 17 Crown Radius (m): 7.5 DBH (cm): 35 Stems: 3 Life Stage: Over Mature Life Exp.: 10+ Years	Tree is historic coppice with stool area decayed and hollowed out. Investigation with metal probe revealed decay to at least 60cm	Poor	Crown reduce by 50 % to minimise sail effect and associated pressures on lower structural elements of tree Timescale: 16-Nov-2024 (6 Months)
T03	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - car park.	Height (m): 7.5 Crown Radius (m): 4 DBH (cm): 16 Stems: 5 Life Stage: Mature Life Exp.: 20+ Years	Light ivy cover on main stem	Fair	Crown lift to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)
T04	Oak (Quercus sp.)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 16 Crown Radius (m): 7 DBH (cm): 40 Life Stage: Early Mature Life Exp.: 40+ Years		Fair	No action required. Timescale: No Action
T05	Field maple (Acer campestre)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 9 Crown Radius (m): 6 DBH (cm): 42 Life Stage: Mature Life Exp.: 40+ Years	Light ivy cover on main stem Old wire fence occluded into main stem	Fair	Crown lift over car park and footpath to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)

Ref.	Species	Description	Measurements	Survey Notes	Overall Condition	Recommendations
T06	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - car park.	Height (m): 8 Crown Radius (m): 5 DBH (cm): 20 Stems: 5 Life Stage: Mature Life Exp.: 30+ Years	Some minor decay noted at base to South- not if significance to structural integrity	Fair	Crown lift over car park to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)
T07	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 7.5 Crown Radius (m): 4 DBH (cm): 23 Life Stage: Mature Life Exp.: 30+ Years		Fair	Crown lift over footpath to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)
T08	Yew (Taxus sp.)	Owned by the estate.	Height (m): 8 Crown Radius (m): 5.5 DBH (cm): 25 Stems: 10 Life Stage: Mature Life Exp.: 50+ Years		Fair	No action required. Timescale: No Action
T09	Yew (Taxus sp.)	Owned by the estate. Target # - footpath.	Height (m): 11 Crown Radius (m): 7 DBH (cm): 43 Stems: 8 Life Stage: Mature Life Exp.: 50+ Years	Some ivy has been severed, some still persists	Fair	Crown lift over footpath areas to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)
T10	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 9 DBH (cm): 52 Stems: 3 Life Stage: Mature Life Exp.: 10+ Years	Light ivy cover on lower stems	Fair	No action required. Timescale: No Action
T11	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 14 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	Low pendulous limb overhanging adjacent footpath Ivy cover noted on main stems	Fair	Remove pendulous limb overhanging adjacent footpath Timescale: 16-Nov-2024 (6 Months)

Ref.	Species	Description	Measurements	Survey Notes	Overall Condition	Recommendations
T12	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 9 DBH (cm): 40 Stems: 2 Life Stage: Mature Life Exp.: 10+ Years	Light ivy cover on main stem		No action required. Timescale: No Action
T13	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 9 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	Prolific ivy cover on main stem	Fair	No action required. Timescale: No Action
T14	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 16 Crown Radius (m): 11.5 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	Prolific ivy cover on main stem	Fair	No action required. Timescale: No Action
T15	Hawthorn (Crataegus sp.)	Owned by the estate. Tree in fence line.	Height (m): 9 Crown Radius (m): 4 DBH (cm): 26 Stems: 4 Life Stage: Mature Life Exp.: 30+ Years		Fair	No action required. Timescale: No Action
T16	Silver birch (Betula pendula)	Owned by the estate.	Height (m): 4 Crown Radius (m): 0.5 DBH (cm): 60 Life Stage: Dead	Ivy covered stem Ddcaying	Dead	No action required. Timescale: No Action
T17	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - footpath.	Height (m): 9 Crown Radius (m): 5 DBH (cm): 22 Stems: 7 Life Stage: Mature Life Exp.: 30+ Years	Prolific ivy cover throughout canopy	Fair	No action required. Timescale: No Action
T18	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 14 Crown Radius (m): 6.5 DBH (cm): 43 Life Stage: Mature Life Exp.: 10+ Years		Fair	No action required. Timescale: No Action

Ref.	Species	Description	Measurements	Survey Notes	Overall Condition	Recommendations
T19	Norway maple (Acer platanoides)	Owned by the estate.	Height (m): 15 Crown Radius (m): 9 DBH (cm): 50 Life Stage: Mature Life Exp.: 30+ Years	Deadwood noted throughout canopy	Fair	Remove deadwood - greater than 25 mm. Timescale: 16-May-2025 (1 Year)
T20	Hornbeam (Carpinus betulus)	Owned by the estate.	Height (m): 15 Crown Radius (m): 8 DBH (cm): 70 Life Stage: Mature Life Exp.: 40+ Years		Fair	No action required. Timescale: No Action
T21	Hornbeam (Carpinus betulus)	Owned by the estate.	Height (m): 11 Crown Radius (m): 9.5 DBH (cm): 50 Life Stage: Mature Life Exp.: 40+ Years		Fair	No action required. Timescale: No Action
T22	Field maple (Acer campestre)	Owned by the estate. Tree in fence line.	Height (m): 9 Crown Radius (m): 8.5 DBH (cm): 30 Stems: 2 Life Stage: Mature Life Exp.: 30+ Years	Tree weighted towards adjacent field. Some deadwood noted in canopy	Fair	No action required. Timescale: No Action
T23	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 10 DBH (cm): 56 Life Stage: Mature Life Exp.: 10+ Years	Dieback noted in canopy Deadwood overhanging adjacent footpath Prolific ivy cover on lower structural elements of tree	Fair	Remove deadwood over footpath Timescale: 16-Nov-2024 (6 Months)
T24	Sycamore 'Atropurpureum' (Acer pseudoplatanus)	Owned by the estate.	Height (m): 6 Crown Radius (m): 2.5 DBH (cm): 20 Life Stage: Early Mature Life Exp.: 20+ Years		Fair	No action required. Timescale: No Action
T25	Field maple (Acer campestre)	Owned by the estate. Target # - footpath.	Height (m): 13 Crown Radius (m): 9 DBH (cm): 60 Life Stage: Mature Life Exp.: 30+ Years	Prolific ivy cover throughout canopy Canopy hangs low over adjacent footpath	Fair	Crown lift over footpath to 3 m for pedestrian clearance. Timescale: 16-Aug-2024 (3 Months)

Ref.	Species	Description	Measurements	Survey Notes	Overall Condition	Recommendations
T26	Norway maple (Acer platanoides)	Owned by the estate. Target # - footpath.	Height (m): 16.5 Crown Radius (m): 7.5 DBH (cm): 38 Life Stage: Mature Life Exp.: 30+ Years	Deadwood and hung up branch noted over the footpath	Fair	Remove deadwood - greater than 25 mm. Timescale: 16-Aug-2024 (3 Months)
T27	Norway maple (Acer platanoides)	Owned by the estate. Target # - footpath.	Height (m): 17 Crown Radius (m): 6 DBH (cm): 25 Life Stage: Mature Life Exp.: 30+ Years	Canopy hangs low over adjacent footpath	Fair	Prune back to clear footpath Timescale: 16-May-2025 (1 Year)
T28	Italian alder (Alnus cordata)	Owned by the estate. Tree in fence line.	Height (m): 25 Crown Radius (m): 6.5 DBH (cm): 40 Life Stage: Mature Life Exp.: 30+ Years		Fair	No action required. Timescale: No Action
T29	Italian alder (Alnus cordata)	Owned by the estate. Tree in fence line.	Height (m): 25 Crown Radius (m): 7.5 DBH (cm): 50 Life Stage: Mature Life Exp.: 30+ Years	Minor deadwood noted Light ivy cover on main stem	Fair	No action required. Timescale: No Action
T30	Italian alder (Alnus cordata)	Owned by the estate. Tree in fence line.	Height (m): 25 Crown Radius (m): 7.5 DBH (cm): 60 Life Stage: Mature Life Exp.: 30+ Years		Fair	No action required. Timescale: No Action
T31	Oak (Quercus sp.)	Owned by the estate. Target # - footpath.	Height (m): 13 Crown Radius (m): 7.5 DBH (cm): 42 Life Stage: Early Mature Life Exp.: 50+ Years		Fair	No action required. Timescale: No Action
T32	Hazel (Corylus avellana)	Target # - footpath.	Height (m): 7.5 Crown Radius (m): 5 DBH (cm): 15 Stems: 20 Life Stage: Mature Life Exp.: 30+ Years	Canopy hangs low over adjacent footpath	Fair	Crown lift to 3 m for pedestrian clearance. Timescale: 16-Nov-2024 (6 Months)

Work Schedule of trees

Site name: All Sites

Risk zone: -

Contact: -

Trees: 56

Work items: 36



Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T25	Field maple (Acer campestre)	Owned by the estate. Target # - footpath.	Height (m): 13 Crown Radius (m): 9 DBH (cm): 60 Life Stage: Mature Life Exp.: 30+ Years	Crown lift over footpath to 3 m for pedestrian clearance.	16-Aug-2024 (3 Months)
T26	Norway maple (Acer platanoides)	Owned by the estate. Target # - footpath.	Height (m): 16.5 Crown Radius (m): 7.5 DBH (cm): 38 Life Stage: Mature Life Exp.: 30+ Years	Remove deadwood - greater than 25 mm.	16-Aug-2024 (3 Months)
G01	Lime x7 (Tilia sp.)		Height (m): 16 DBH (cm): 60 Trees: 7 Life Stage: Mature Life Exp.: 30+ Years	Crown lift over car park & footpath to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
G04	Hawthorn x2 (Crataegus sp.)	Owned by the estate. Target # - footpath.	Height (m): 8 DBH (cm): 25 Trees: 2 Life Stage: Mature Life Exp.: 30+ Years	Crown lift over footpath to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T02	Ash (Fraxinus sp.)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 17 Crown Radius (m): 7.5 DBH (cm): 35 Stems: 3 Life Stage: Over Mature Life Exp.: 10+ Years	Crown reduce by 50 % to minimise sail effect and associated pressures on lower structural elements of tree	16-Nov-2024 (6 Months)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T03	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - car park.	Height (m): 7.5 Crown Radius (m): 4 DBH (cm): 16 Stems: 5 Life Stage: Mature Life Exp.: 20+ Years	Crown lift to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T05	Field maple (Acer campestre)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 9 Crown Radius (m): 6 DBH (cm): 42 Life Stage: Mature Life Exp.: 40+ Years	Crown lift over car park and footpath to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T06	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - car park.	Height (m): 8 Crown Radius (m): 5 DBH (cm): 20 Stems: 5 Life Stage: Mature Life Exp.: 30+ Years	Crown lift over car park to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T07	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 7.5 Crown Radius (m): 4 DBH (cm): 23 Life Stage: Mature Life Exp.: 30+ Years	Crown lift over footpath to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T09	Yew (Taxus sp.)	Owned by the estate. Target # - footpath.	Height (m): 11 Crown Radius (m): 7 DBH (cm): 43 Stems: 8 Life Stage: Mature Life Exp.: 50+ Years	Crown lift over footpath areas to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T11	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 14 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	Remove pendulous limb overhanging adjacent footpath	16-Nov-2024 (6 Months)
T23	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 10 DBH (cm): 56 Life Stage: Mature Life Exp.: 10+ Years	Remove deadwood over footpath	16-Nov-2024 (6 Months)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T32	Hazel (Corylus avellana)	Target # - footpath.	Height (m): 7.5 Crown Radius (m): 5 DBH (cm): 15 Stems: 20 Life Stage: Mature Life Exp.: 30+ Years	Crown lift to 3 m for pedestrian clearance.	16-Nov-2024 (6 Months)
T19	Norway maple (Acer platanoides)	Owned by the estate.	Height (m): 15 Crown Radius (m): 9 DBH (cm): 50 Life Stage: Mature Life Exp.: 30+ Years	Remove deadwood - greater than 25 mm.	16-May-2025 (1 Year)
T27	Norway maple (Acer platanoides)	Owned by the estate. Target # - footpath.	Height (m): 17 Crown Radius (m): 6 DBH (cm): 25 Life Stage: Mature Life Exp.: 30+ Years	Prune back to clear footpath	16-May-2025 (1 Year)
G02	Hawthorn x3 (Crataegus sp.)	Owned by the estate. Tree in hedge.	Height (m): 8.5 DBH (cm): 45 Trees: 3 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
G03	Hawthorn x12 (Crataegus sp.)	Owned by the estate.	Height (m): 12 Trees: 12 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T01	Hawthorn (Crataegus sp.)	Owned by the estate. Tree in fence line. Target # - car park. Target # - footpath.	Height (m): 7 Crown Radius (m): 4.5 DBH (cm): 15 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T04	Oak (Quercus sp.)	Owned by the estate. Target # - car park. Target # - footpath.	Height (m): 16 Crown Radius (m): 7 DBH (cm): 40 Life Stage: Early Mature Life Exp.: 40+ Years	No action required.	No Action

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T08	Yew (Taxus sp.)	Owned by the estate.	Height (m): 8 Crown Radius (m): 5.5 DBH (cm): 25 Stems: 10 Life Stage: Mature Life Exp.: 50+ Years	No action required.	No Action
T10	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 9 DBH (cm): 52 Stems: 3 Life Stage: Mature Life Exp.: 10+ Years	No action required.	No Action
T12	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 9 DBH (cm): 40 Stems: 2 Life Stage: Mature Life Exp.: 10+ Years	No action required.	No Action
T13	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 18 Crown Radius (m): 9 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	No action required.	No Action
T14	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 16 Crown Radius (m): 11.5 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	No action required.	No Action
T15	Hawthorn (Crataegus sp.)	Owned by the estate. Tree in fence line.	Height (m): 9 Crown Radius (m): 4 DBH (cm): 26 Stems: 4 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T16	Silver birch (Betula pendula)	Owned by the estate.	Height (m): 4 Crown Radius (m): 0.5 DBH (cm): 60 Life Stage: Dead	No action required.	No Action

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T17	Hawthorn (Crataegus sp.)	Owned by the estate. Target # - footpath.	Height (m): 9 Crown Radius (m): 5 DBH (cm): 22 Stems: 7 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T18	Ash (Fraxinus sp.)	Owned by the estate. Target # - footpath.	Height (m): 14 Crown Radius (m): 6.5 DBH (cm): 43 Life Stage: Mature Life Exp.: 10+ Years	No action required.	No Action
T20	Hornbeam (Carpinus betulus)	Owned by the estate.	Height (m): 15 Crown Radius (m): 8 DBH (cm): 70 Life Stage: Mature Life Exp.: 40+ Years	No action required.	No Action
T21	Hornbeam (Carpinus betulus)	Owned by the estate.	Height (m): 11 Crown Radius (m): 9.5 DBH (cm): 50 Life Stage: Mature Life Exp.: 40+ Years	No action required.	No Action
T22	Field maple (Acer campestre)	Owned by the estate. Tree in fence line.	Height (m): 9 Crown Radius (m): 8.5 DBH (cm): 30 Stems: 2 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T24	Sycamore 'Atropurpureum' (Acer pseudoplatanus)	Owned by the estate.	Height (m): 6 Crown Radius (m): 2.5 DBH (cm): 20 Life Stage: Early Mature Life Exp.: 20+ Years	No action required.	No Action
T28	Italian alder (Alnus cordata)	Owned by the estate. Tree in fence line.	Height (m): 25 Crown Radius (m): 6.5 DBH (cm): 40 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T29	Italian alder (Alnus cordata)	Owned by the estate. Tree in fence line.	Height (m): 25 Crown Radius (m): 7.5 DBH (cm): 50 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T30	Italian alder (Alnus cordata)	Owned by the estate. Tree in fence line.	Height (m): 25 Crown Radius (m): 7.5 DBH (cm): 60 Life Stage: Mature Life Exp.: 30+ Years	No action required.	No Action
T31	Oak (Quercus sp.)	Owned by the estate. Target # - footpath.	Height (m): 13 Crown Radius (m): 7.5 DBH (cm): 42 Life Stage: Early Mature Life Exp.: 50+ Years	No action required.	No Action

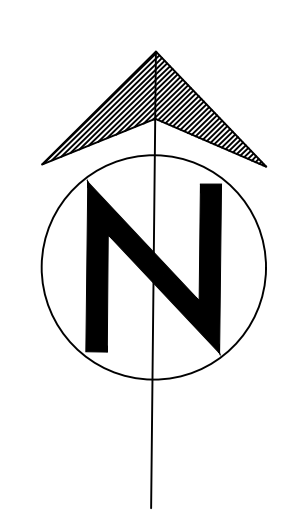
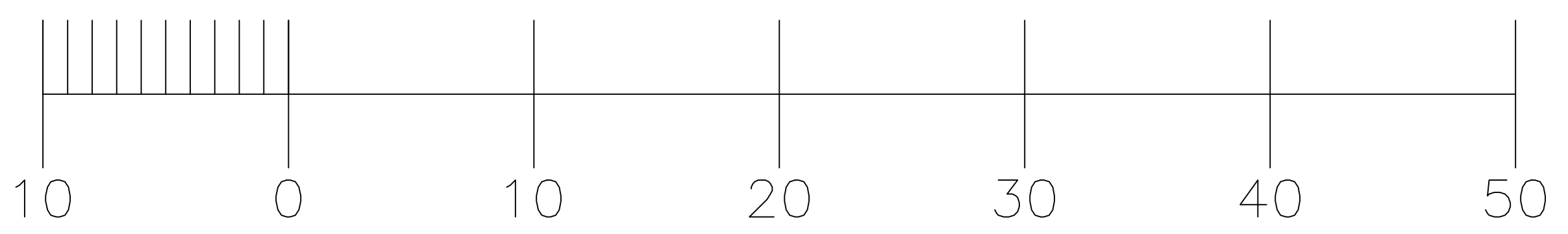
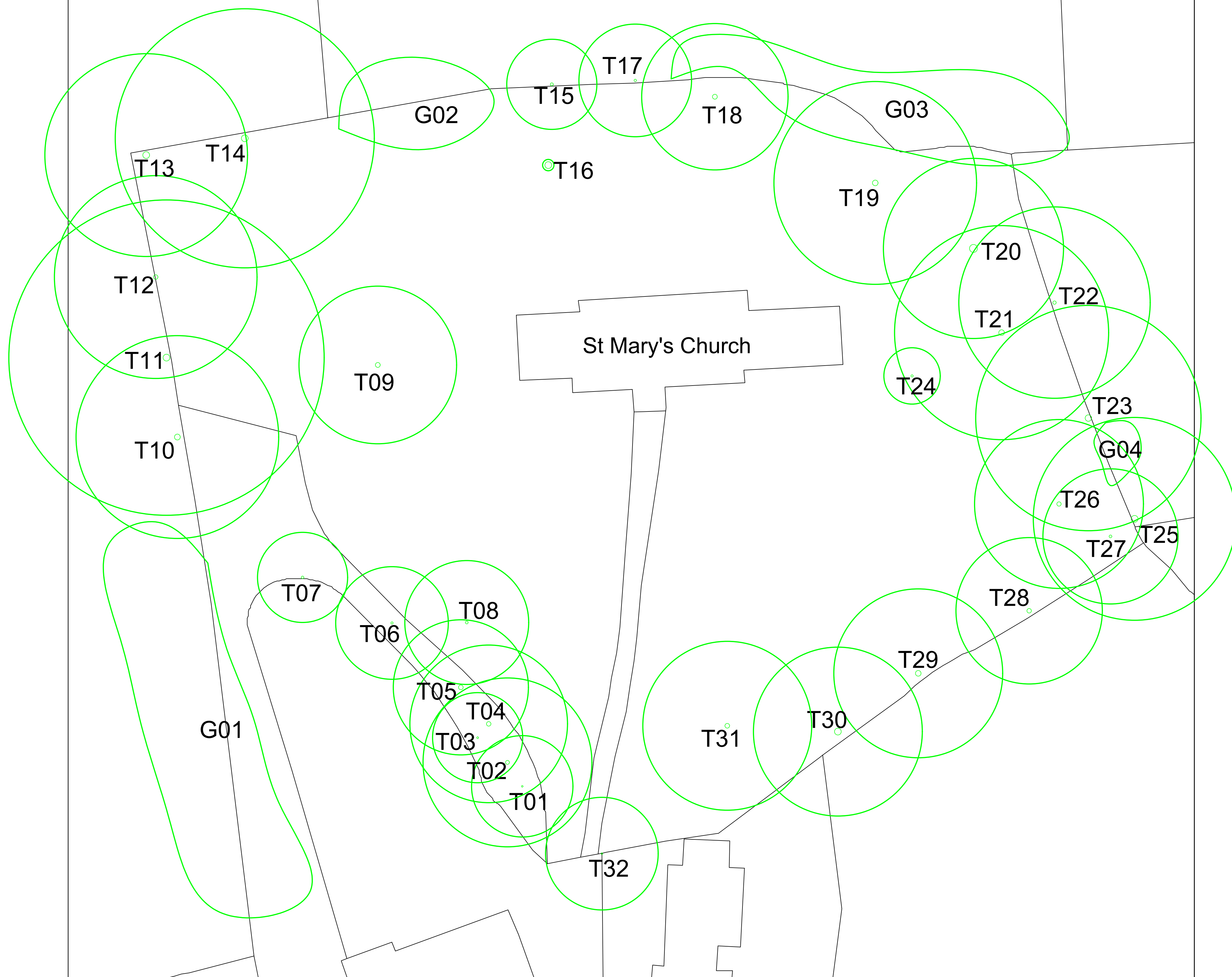
Arboricultural
Constraints
Plan

KEY

T1

Approximate
Stem /
Location
Identifying
Number.

Tree
Canopy
with



REV.	DATE	INITIALS	DETAILS
CLIENT	Karen		
DWG. TITLE	Arboricultural Constraints Plan		
SITE	Saint Marys Church, Rushden, SG9 0SG.		
DRAWN BY	CHECKED BY	SCALE	DATE
BJS	BJS	1:200 @ A1	May 2024
DWG NO.	CAS/2024/140		REV.

Please do not scale off this drawing. Tree locations not plotted to a topographical survey so locations cannot be confirmed, Dwg is to scale as indicated above.

Tree Schedule Explanatory Notes

Ref.no	Identifies trees, groups and hedges on the accompanying plan.
Species	Common names are provided to aid wider comprehension.
Height	Describes the approximate height of the tree measured in metres from ground level
Canopy Spread	Indicates the crown radius from the base of the tree in four compass directions, recorded to the nearest metre.
Ground Clearance	Height of crown clearance above adjacent ground in metres.
DBH (mm)	DBH is the diameter of the stem measured in cm at 1.5m from ground level for single stemmed trees or just above root flare for multi-stemmed trees. Stem Diameter may be estimated where access is restricted.
RPR (cm)	Root Protection Radius (RPR) is area required to be protected measured radially from the trunk centre.
RPA (m²)	Root Protection Area (RPA) is the minimum rooting area in m ² which should remain undisturbed around each tree.
Age Class	Age of the tree expressed as Y- Young, MA- Middle-Aged, EM- Early Mature, M- Mature or OM- Over-Mature
General Condition	Overall condition of tree expressed as :Good, Fair, Poor, Dead
Physiological and structural condition	May include general comments about growth characteristics, how it is affected by other trees and any previous surgery works. Also specific problems such as dead wood, pests, diseases, broken limbs. Etc
Estimated Remaining Years	Categorised in year bands of less than 10, 10+, 20+, 40+
BS Category	B.S. Cat refers to (BS 5837:2005 Table 1) and refers to tree/overall group quality and value; 'A' - High; 'B' - Moderate; 'C' - Low; 'U' - Remove.
Sub Category	Sub Cat refers to the retention criteria values where 1 is arboricultural, 2 is landscape and 3 is cultural including conservational, historic and commemorative