

# Preliminary Tree and Hedgerow Assessment for Pergola

Report produced by

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For the site at

Griggs, Tower Hill, Horsham, West Sussex, RH13 0JT

Report unique reference number

18d6bc9e-944b-4a08-a267-7a45fb161e03

## Summary

|                                                                                         |                   |
|-----------------------------------------------------------------------------------------|-------------------|
| Number of trees on the site (within the red line)                                       | 18                |
| Number of trees on adjoining properties                                                 | 2                 |
| Hedgerow on site                                                                        | No                |
| Number of trees and/or hedgerows to be pruned or felled                                 | 1 pruned 1 felled |
| Number of trees with TPOs in a tree preservation area                                   | 0                 |
| Estimated number of trees impacted by the development, or set to impact the development | 20                |

## Introduction and Summary

This report is a preliminary assessment of trees and hedgerows within the site and immediately adjacent to it (as defined by the Local Planning Authority). It is intended to help applicants accurately complete the Planning Application form mandated by Article 7 of the Town and Country Planning (Development Management Procedure) (England) Order 2015 concerning trees and hedgerows.

This preliminary assessment is not a full arboricultural survey and does not replace a BS 5837:2012 Tree Survey. Instead, it provides supporting evidence and additional information. The report is designed to support Local Planning Authorities in determining whether the information provided on the form is accurate and whether a more detailed arboricultural assessment is required, in line with both national standards and local validation requirements.

Data is derived from both a site survey and the Government's non-woodland tree dataset. The report also invites the applicant to access publicly available data to check whether the site lies within a designated Conservation Area or whether any Tree Preservation Orders (TPOs) are recorded. Applicants remain responsible for confirming any designations directly with the Local Planning Authority.

The report was produced with the assistance of the Preliminary Tree Assessment Tool, which can not guarantee the accuracy of the information herein.

# Local Authority Requirements

## Local Planning Authority

Horsham

For this report, all trees within the application site ("red line") and within 15 metres of the proposed development, including both construction and demolition works, were considered.

To determine whether these trees could 'influence or be affected ' by the proposed development (as set out in the LPA's validation list), the following were considered for each tree:

- Will the tree's Root Protection Area (RPA) be intersected?
- Will the canopy area be intersected?
- Will the tree be pruned?
- Will the tree be felled?

If a tree is impacted, the applicant will consider if it is protected (e.g. by a TPO).

# Preliminary Tree Survey

The following is based on a site survey and a desk-based review of the non-woodland tree database

**Number of trees within the redline**

18

**Number of trees adjacent to development**

2

**Total number of TPO trees / trees in a tree preservation area**

0

**The estimated number of trees "impacted" by development or likely to be impacted by the development**

20

To determine whether these trees could 'influence or be affected ' by the proposed development (as set out in the LPA's validation list), the following were considered for each tree:

- Will the tree's Root Protection Area (RPA) be intersected?
- Will the canopy area be intersected?
- Will the tree be pruned?
- Will the tree be felled?

If a tree is impacted, the applicant will consider if it is protected (e.g. by a TPO).

| Unique ID | Height (m) | Stem Diameter at 1.5m above ground | Felled or pruned? | TPO or in Tree Preservation |
|-----------|------------|------------------------------------|-------------------|-----------------------------|
|-----------|------------|------------------------------------|-------------------|-----------------------------|

|    |      | <b>level (cm)</b> |    | <b>Area?</b> |
|----|------|-------------------|----|--------------|
| T1 | 10m# | 50cm#             | No | No           |
| T2 | 10m# | 75cm#             | No | No           |
| T3 | 15m# | 75cm#             | No | No           |
| T6 | 4m#  | 15cm#             | No | No           |
| T7 | 4m#  | 10cm#             | No | No           |

| <b>Unique ID</b> | <b>Average Height (m)</b> | <b>Average Stem Diameter at 1.5m above ground level (cm)</b> | <b>Any trees in the group Felled or pruned?</b> | <b>Any trees in the group subject to a TPO or in Tree Preservation Area?</b> |
|------------------|---------------------------|--------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|
| G1               | 20m#                      | 125cm#                                                       | No                                              | No                                                                           |
| G2               | 20m#                      | 75cm#                                                        | No                                              | No                                                                           |
| G3               | 3m#                       | 20cm#                                                        | No                                              | No                                                                           |
| G4               | 5m#                       | 30cm#                                                        | Felled                                          | No                                                                           |
| G5               | 15m#                      | 75cm#                                                        | No                                              | No                                                                           |

(Please note that, as per BS 5837:2012, estimates are suffixed with "#")

**Total number of canopy intersections**

|   |
|---|
| 0 |
|---|

| <b>Impact</b> | <b>Projected canopy intersection</b> | <b>Percentage of canopy impacted</b> |
|---------------|--------------------------------------|--------------------------------------|
|               |                                      |                                      |

*Tree canopy area was based on site survey and desktop assessment*

**Total number of Root Protection Area (RPA) intersections**

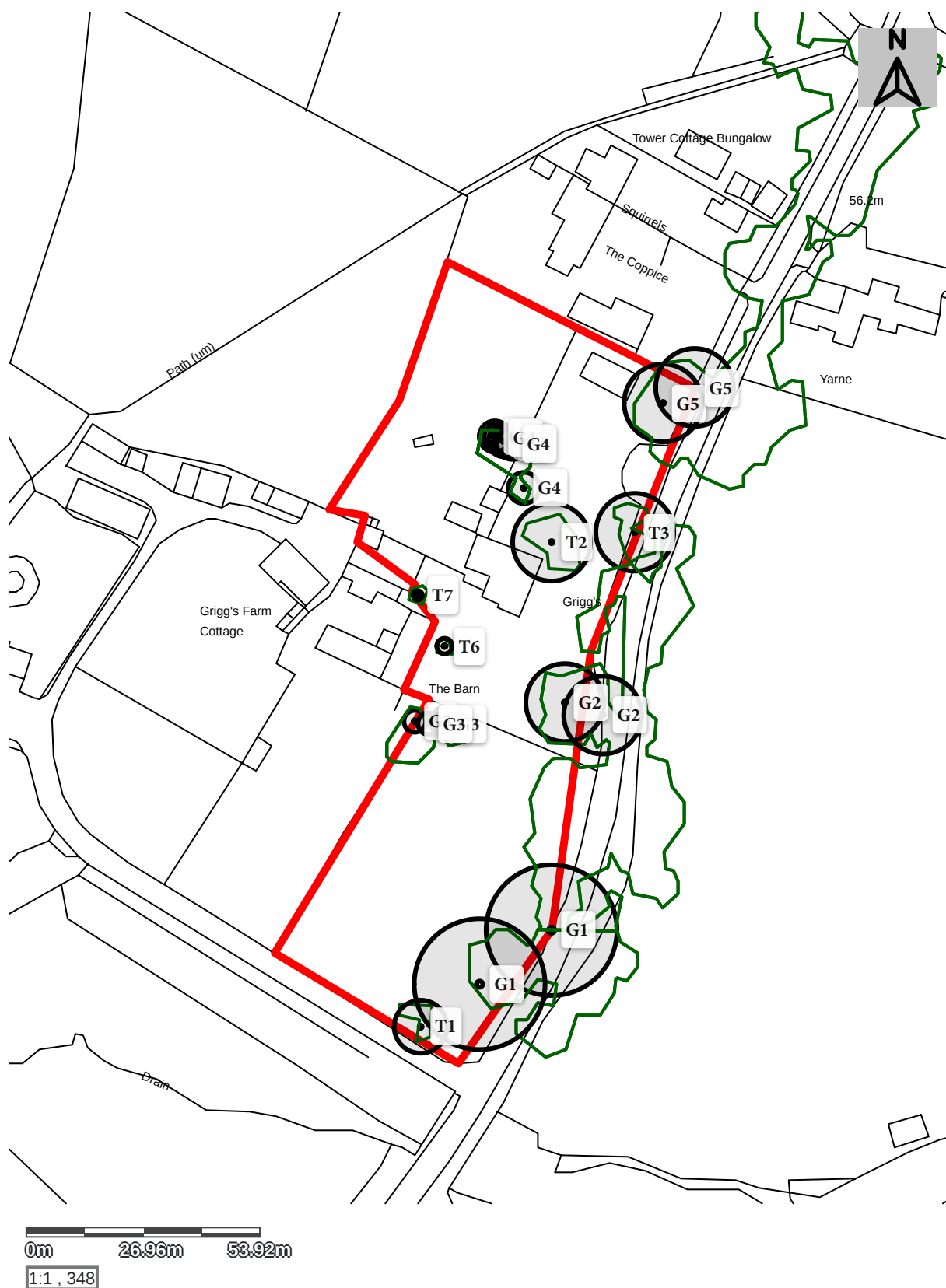
0

| <b>Tree name</b> | <b>Projected RPA intersection</b> | <b>Percentage of RPA impacted</b> |
|------------------|-----------------------------------|-----------------------------------|
|                  |                                   |                                   |

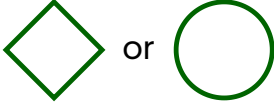
*The Root Protection Area (RPA) has been calculated in accordance with BS 5837:2012, Clause 4.6, which specifies a radius of 12 times the stem diameter measured at 1.5m above ground level, subject to a maximum of 707m<sup>2</sup>.*

Projected canopy and Root Protection Area (RPA) intersections are calculated automatically by the Preliminary Tree Assessment Tool. Canopy areas are based on estimated crown spread derived from user-entered dimensions, and RPAs are calculated in accordance with BS 5837:2012 Clause 4.6 (12 × stem diameter at 1.5m above ground, capped at 707m<sup>2</sup>). The tool then calculates the overlap between these areas and the proposed development footprint. These figures are provided as indicative only.

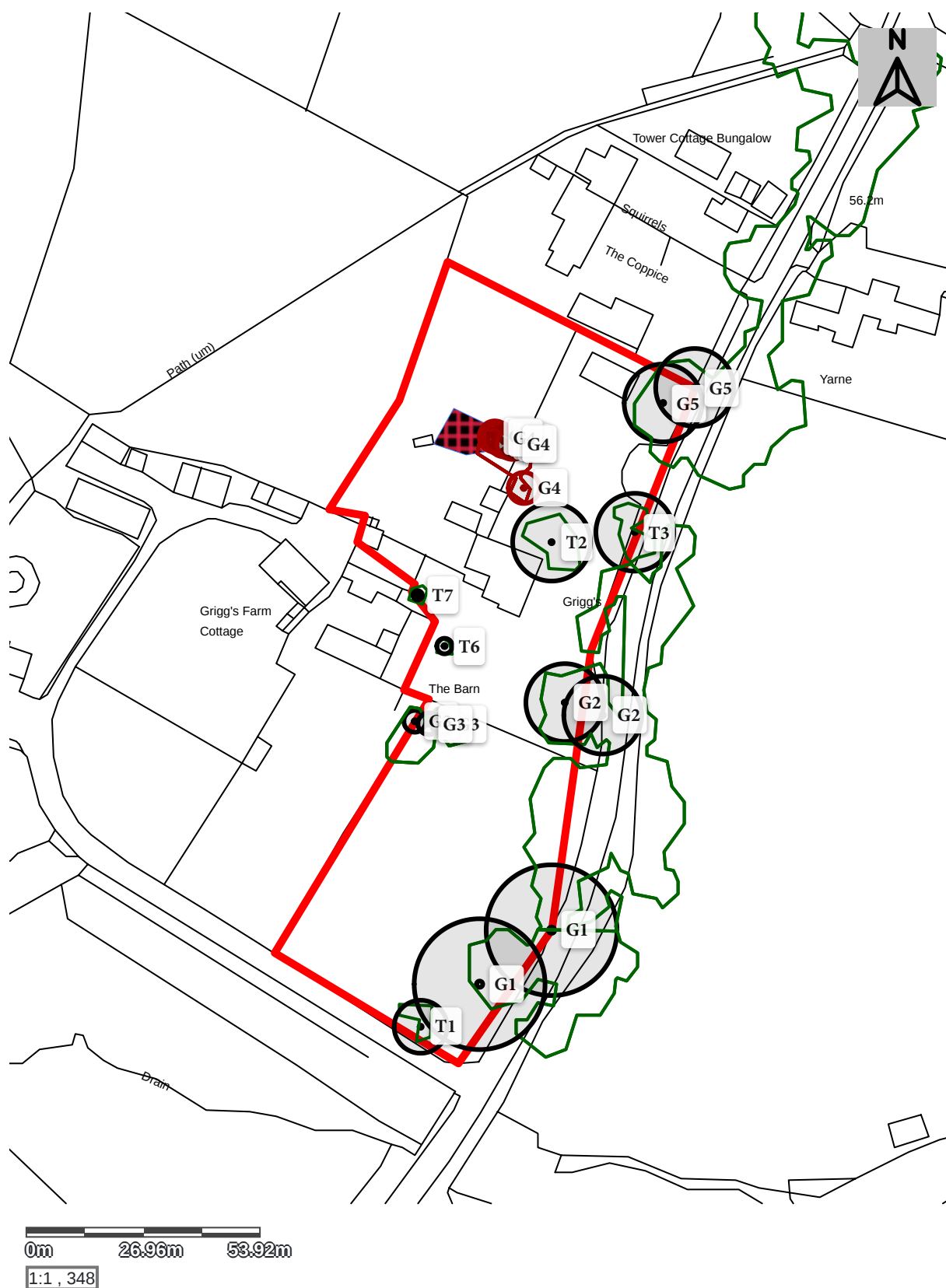
# **Preliminary Tree Constraints Plan – Pre- Development**



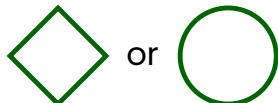
# Symbology Table

| Symbol                                                                             | Meaning    |
|------------------------------------------------------------------------------------|------------|
|   | Tree / RPA |
|   | Canopy     |
|   | Stump      |
|   | Shrub      |
|  | Hedgerows  |

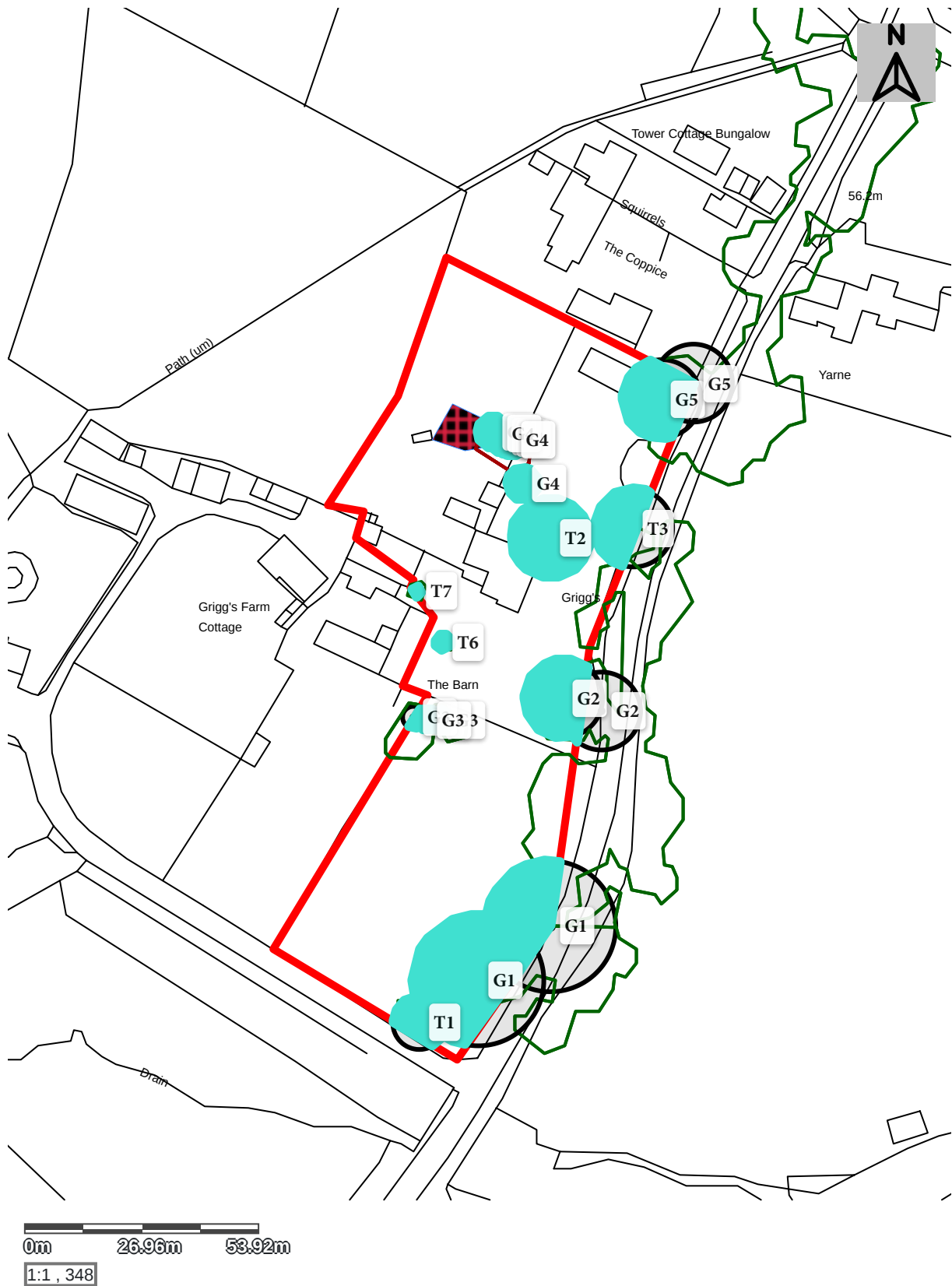
# **Preliminary Tree Constraints Plan – Post- Development**



# Symbology Table

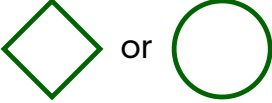
| Symbol                                                                              | Meaning                           |
|-------------------------------------------------------------------------------------|-----------------------------------|
|    | Tree / RPA                        |
|    | Felled tree / RPA                 |
|    | Canopy                            |
|    | Stump                             |
|   | Shrub                             |
|  | Intersection                      |
|  | New Building/building renovation  |
|  | New hard standing at ground level |
|  | Demolition                        |
|  | Trenches                          |
|  | Hedgerows                         |

# **Tree Protection Plan**



Precautionary construction exclusion zones are shown for indicative purposes only; they do not represent formal BS 5837:2012 protective fencing requirements.

# Symbology Table

| Symbol                                                                              | Meaning                           |
|-------------------------------------------------------------------------------------|-----------------------------------|
|    | Tree / RPA                        |
|    | Felled tree / RPA                 |
|    | Canopy                            |
|    | Stump                             |
|   | Shrub                             |
|  | Intersection                      |
|  | New Building/building renovation  |
|  | New hard standing at ground level |
|  | Demolition                        |
|  | Trenches                          |
|  | Hedgerows                         |
|  | Construction Exclusion Zone (CEZ) |

## Annex: Tree Species

| T# | Species                                |
|----|----------------------------------------|
| T1 | No species provided                    |
| T2 | Yew ( <i>Taxus baccata</i> )           |
| T3 | Walnut ( <i>Juglans regia</i> )        |
| T6 | Holly ( <i>Ilex aquifolium</i> )       |
| T7 | laurel                                 |
| G1 | scotch pine                            |
| G2 | canadian maple                         |
| G3 | Yew ( <i>Taxus baccata</i> )           |
| G4 | conifer                                |
| G5 | Scots pine ( <i>Pinus sylvestris</i> ) |