



National Grid

Visual Impact Provision (VIP)

Snowdonia Project

Stage 1 & 2 Arboricultural Impact

Assessment Report

858165

DECEMBER 19



RSK GENERAL NOTES

Project No.: 858165
Title: VIP Snowdonia Project
Client: National Grid
Date: 04 December 2019
Office: Cardiff
Status: Rev 2

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1 INTRODUCTION

1.1 General

The Proposed Project will underground a 3.5km section of the existing 400kV (and 132kV) OHL within a cable tunnel from a location close to National Grid's existing Garth Sealing End Compound (SEC) on the western side of the Dwyrud Estuary to Cilfor on the eastern side of the Dwyrud Estuary.

This report details the results of a survey of trees within the site boundary near the town of Porthmadog, North Wales.

The report provides an arboricultural impact assessment of the Proposed Project. The work was commissioned by National Grid and the site survey was carried out by Rob Fear on behalf of RSK in March 2019.

1.2 Purpose of the Report

The survey was carried out in connection with proposed development. It was undertaken in accordance with criteria outlined in the British Standard BS5837:2012¹. The aim was to:

- identify the quality and value of the trees;
- categorise them in respect of their suitability for retention;
- identify the impacts of the development on the arboricultural features of the site; and
- propose mitigation measures for any tree losses that may occur.

This report is principally concerned with trees in relation to the proposed development. Although obvious structural defects and the condition of trees have been noted, this survey was not undertaken with health and safety in mind, and a detailed hazard assessment was not carried out.

1.3 Site Context

1.3.1 General

The survey area comprises of four main areas:

- Pylon 27-29; between the higher ground near pylon 27 and across to the edge of the estuary Afron Dwyrud.
- Pylon 31 – 33; from the salt marsh near pylon 31 to the railway line crossing near pylon 33.

¹ British Standards Institute (2012) *BS5837:2012 Trees in Relation to Design, Demolition and Construction-Recommendations*. British Standards Publications Ltd.

- Pylon 33- 35; agricultural fields on the higher ground leading down to the A497 and Snowdonia business park.
- Pylon 35 – to pylon 36 and the existing Garth Sealing end compound, agricultural land adjacent to A487 and wooded area and railway embankment near to Pylon 36. This area also extends to adjacent agricultural fields for proposed tunnelling works.

The trees surveyed were highlighted by the client as being either beneath the existing overhead cable route or within proposed compound areas adjacent to each pylon tower.

In addition, a small number of access tracks, road junctions and compound areas away from the main pylon route were included in the survey as they are associated with the project.

1.3.2 Soil

The underlying soil types will affect structural aspects of building designs and foundation depths, and this will need to be considered in relation to trees if the site is to be developed. Therefore, to avoid conflicts between trees and built structures engineering advice may be required.

1.3.3 Protected Species

Mature trees can be used by birds and bats. All species of bat and nesting birds are protected in the UK by The Wildlife and Countryside Act 1981 (as amended), extended by the Countryside and Rights of Way Act 2000. If the presence of such legally protected species is suspected while undertaking any tree work, then the task should be halted immediately, and appropriate advice should be obtained from an ecologist.

Although features suitable for roosting bats or nesting birds may have been noted this report is not intended to assess the suitability of trees for protected species.

1.4 Statutory Designations

Trees can be given statutory protection in a number of ways, including:

- tree preservation orders;
- planning conditions;
- felling licences; and
- location in a designated conservation area.

Protected trees can only be removed or pruned if permission is granted, either as part of a planning permission or in response to a separate application to the local authority (or the Forestry Commission).

The existence of a tree preservation order or conservation area does not automatically mean that a tree deserves to be a material constraint in a planning context. A formally protected tree can be in poor physiological or structural condition, making it unsuitable for retention. In that case it is inappropriate that it should influence the future use of a site.

Furthermore, a planning consent takes precedent over these forms of protection, making them of secondary importance. For this reason, we do not routinely check for statutory protection. However, if any tree works or removals are required prior to planning consent, the local authority should be contacted to check if any statutory designations exist.

1.5 Root Protection Area (RPA)

To ensure that a tree is not harmed by development activities, a theoretical root protection area is calculated. The British Standard (BS5837) defines the root protection area as *'the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability'*.

The root protection area is usually subject to a fenced construction exclusion zone for the duration of works and is shown on the tree constraints plan as a purple circle or polygon. Design layouts should make every effort to give adequate stand-off from the RPA's of the higher category 'A' and 'B' trees (shown as green and blue canopies on the tree constraints plan).

1.6 Supplied Documents

The following drawings were supplied by the Client:

- 70032995 - NG VIP Snowdonia figure 2.1 - 2.2 P02.dwg

2 METHOD

2.1 General

All inspected trees and tree groups were categorised using the British Standard BS5837:2012 and the attached tree constraints plan (TCP) (*Figure 1*) shows tree positions, numbers and retention categories. A schedule of the trees is included in *Table 1*, which includes species, physiological and structural condition, age, recommendations and retention values.

The survey followed the method described in *Appendix 1* in accordance with guidance in BS5837:2012. The life expectancy and condition of each tree and tree group informs the estimate of its suitability for retention.

2.2 Tree Categorisation

Trees were categorised in terms of their useful life expectancy and condition as summarised below. Each category has three sub-categories relating to arboricultural (1), landscape (2) and cultural and conservation (3) qualities. Trees that have been categorised as A, B or C should be considered in the planning process whereas trees categorised as U are not a consideration in the planning process.

BS5837 Tree Categorisation

| Table A BS5837 Categories | Definitions | Retention implications to a site |
|--|--|---|
| Category A (light green on the TCP) | Trees of high quality and value able to make a substantial contribution to the site. | Every effort should be made to retain trees and changes to layouts should be considered in preference to tree removal. |
| Category B (mid-blue) | Trees of moderate quality and value able to make a significant contribution to the site. | Where possible amendments to a proposed scheme should be considered in preference to tree removal. |
| Category C (grey) | Trees of low quality and value in an adequate condition until new planting can be established, trees with impairments downgrading them from A or B category OR young trees with a stem diameter of less than 150 mm. | The retention of trees may be advantageous in the short term, but they should not be seen as a constraint to development. |
| Category U (dark red) | Trees that have limited condition that will fail or die within 10 years and/or should be removed for reasons of arboricultural best practice | Not a material consideration in the planning process but may have other benefits |

2.3 Distinction Between Individual Trees and Tree Groups

Trees have been recorded as individuals or as groups. BS5837:2012 sets out the description of a group as follows: “*The term “group” is intended to identify trees that form cohesive arboricultural features either **aerodynamically** (e.g. trees that provide companion shelter), **visually** (e.g. avenues or screens) or **culturally** including for biodiversity (e.g. parkland or wood pasture), in respect to each of the tree subcategories.*”

Where a tree in a group has characteristics that distinguish it from the rest of the group, it is generally recorded as an individual. Such trees may *inter alia* include veteran trees, trees with significant defects, and specimen trees that stand out within the feature.

2.4 Constraints and Limitations

The trees were viewed from ground-level and from within the Site Boundary only. The trees were inspected using the Visual Tree Assessment method (Mattheck & Breloer 1994²) and guidance given in Principles of Tree Hazard Assessment (Lonsdale 2007³). Detailed inspections including decay detection, soil assessment or aerial inspections have not been carried out. Inspection was restricted in some instances by dense ivy cover, being within third party gardens or behind security fencing with restricted access.

Trees are living organisms and their health and condition is not static. Findings and recommendations in this report are therefore only valid for one year. The health and condition of the trees may also change with other factors such as extreme weather or development work.

The presence of shrinkable soils and their relationship between tree root activity and volumetric changes in soils that may cause structural damage to buildings is beyond the scope of this report and has not been investigated.

² Mattheck, C. Breloer, H. (2003) *The Body Language of Trees, A handbook for failure analysis*. The Stationary Office

³ Lonsdale, D. (2007) *Principles of Tree Hazard Assessment and Management*. The Stationary Office

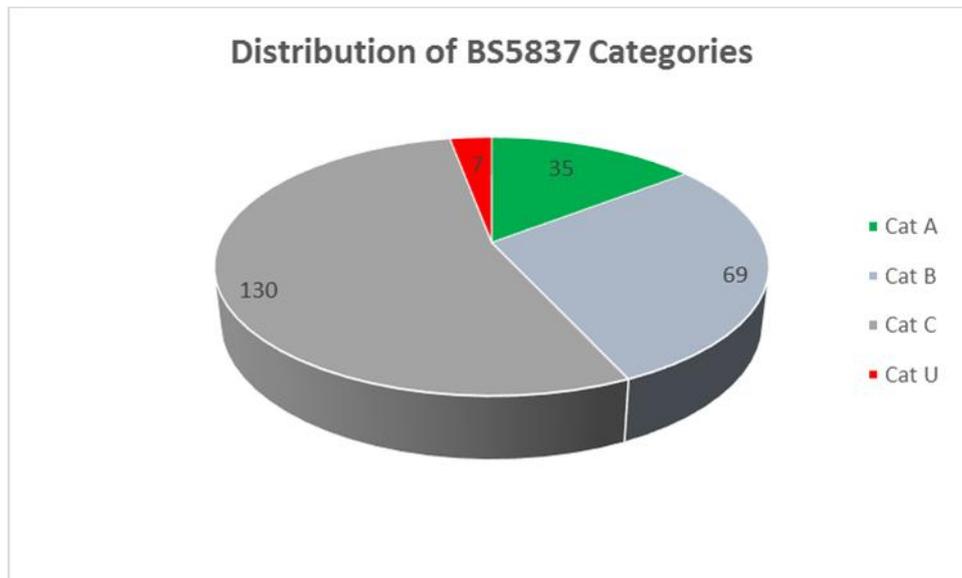
3 RESULTS

3.1 Summary

A total of 193 individual trees, 47 groups and 1 woodland were recorded and plotted to the TCP. Details of these features can be found in *Section 6, Table 1 - Tree Survey Data*.

Chart 3.1 below shows the distribution of BS5837 quality categories recorded on the site. Of the trees, groups and woodlands recorded, 35 were category A features (trees of high quality and value), 69 were category B features (trees of moderate quality and value), 130 were category C features (trees of low quality and value) and seven were category U (unsuitable for retention).

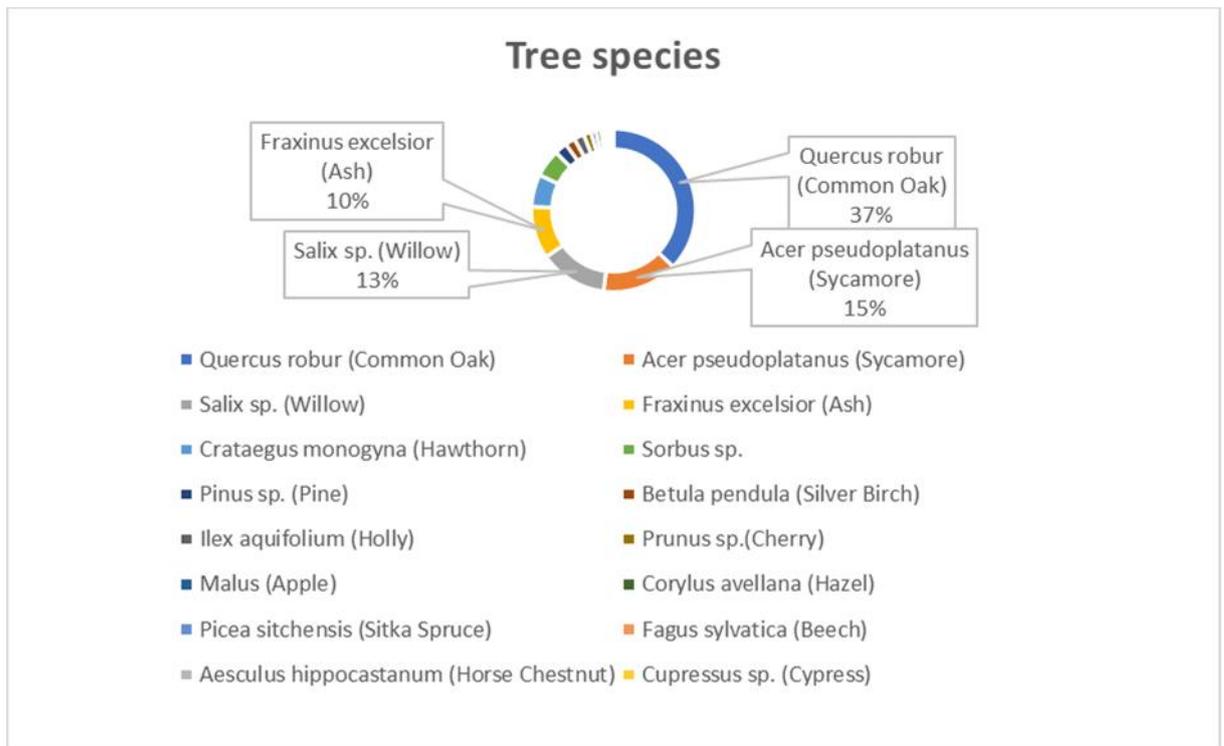
Chart 3.1. Summary of Quality Categories



3.2 General Observations

Chart 3.2 below shows the distribution of tree species found with Oak, Sycamore, Willow and Ash being the most common species found. This includes trees, groups and woodlands and therefore this displays numbers of features surveyed rather than numbers of trees of each species.

Chart 3.2. Summary of tree species



The tree stock varied throughout the survey from large groups of self-set Willow in the wetland areas, common species of Oak, Ash, Hawthorn and Sycamore in the numerous hedgerows and field boundary groups typical for this landscape.

More formal planted features were found near to roads and developed areas comprising of small mixed broadleaf groups, roadside avenues, garden trees and shelter belts.

Where the survey crossed a number of railway lines, established groups of trees were present and formed significant landscape features.

Older high value specimens were found at various locations, mostly in the form of mature Oak trees, some of considerable age and of varied condition. Notably G45, T77, T80, T92, T93, T96, T97, T160 – T164 which were all of very high value due to their condition and age.

A sizable woodland (W1) was recorded which was located on the sloping ground between pylon 36 and the railway line to the west. This is a broadleaf woodland which has been managed in recent years and did not contain any trees of great age but is a valuable habitat and feature.

3.3 Requested details

3.3.1 Ancient woodland inventory dataset

The ancient woodland inventory dataset has been cross referenced with the survey data and shows that none of the features recorded are within the ancient woodland areas.

G35 adjacent to the railway line is the nearest feature that is, from our calculation, clearly outside of the ancient woodland recorded area.

3.3.2 Ash dieback

Ash dieback was noted during the survey where symptoms associated with the disease were seen (with a note recorded in the Tree Data Table). No samples were taken for laboratory analysis to confirm presence however, due to the widespread distribution of the disease and records of the disease already in the area, it is very likely that some of the trees are infected.

4 PROPOSALS AND IMPACTS

4.1 Tree Impacts

Using the updated site boundary layers and information available regarding the implementation of the proposal, the following tree removals have been calculated as being required to facilitate the project objectives.

There are a number of other trees that will be impacted by the proposal and this has been broken down into categories of activity that impacts trees but where there is scope for retention providing minor amendments to working areas, adaptation of scaffold positions, sensitive de-cabing techniques and other tree protection measures are implemented (full list of features affected in *Table 2*).

These activities have the potential to result in the removal of the affected trees due to impacts both above and below ground, by for example, root severance, soil compaction or direct impact on tree branches. However, there is scope for many of these impacted trees to be retained providing that amendments are made to the manner and location of these activities. Further details relating to these amendments are discussed below in section 4.4.

An arboricultural method statement that outlines the details of these measures must be completed to ensure successful retention once these elements of the Proposed Project are fully defined.

Tree removals and impacts

| Features | Required for removal | Impacted by scaffolding and OHL removal | Impacted by access track position | Impacted by working area boundary location |
|--------------------------|--|---|--|---|
| Totals | 35 Trees, 17 Groups | 46 Trees, 14 Groups, 1 Woodland | 17 Trees | 12 Trees, 3 Groups |
| BS5837 Categories | 11 Category B features, 39 Category C features 2 Category U features | 8 Category A features, 29 Category B features, and 24 Category C features | 11 Category A features, 4 Category B features, and 2 Category C features | 4 Category A features, 7 Category B features, 4 Category C features |

The trees required for removal were determined as unavoidable by the clear conflict with the working areas and the location or nature of the likely activity. Of these only 11 features were of the moderate value category B and none were category A (high value).

Of the combined impacted tree totals 23 were Category A features, 40 were category B features and 30 were category C features. Therefore, a high proportion of the impacted

trees are of high to moderate value but there is scope to retain the large majority of these with minor accommodations within the scheme.

The majority of impacts are related to the de-cabling activity and associated scaffold positioning due to the scale of this particular operation.

4.2 Retained Trees

Of the 193 features surveyed, 52 features will require removal and a further 93 could be impacted by the various activities.

4.3 Impacts of activity

4.3.1 Access track

In a number of locations, the position of the access track passes within RPA's and beneath tree canopies. To avoid direct damage to these trees, either minor realignment of the access route or ground protection measures could be implemented together with pruning of branches to give the required clearance.

This will allow the safe retention of most of these potentially impacted trees.

4.3.2 Overhead line removal

Providing that sensitive methods of overhead line removal are used, the loss of trees as a result should be minimal. There will be some damage to upper branches as a result of the cables being lowered onto the trees and winched away but this should not be detrimental to the retention of the trees providing that it is done as sensitively as possible. This damage is considered preferable to clearing a number of trees to create a working corridor through the tree groups and woodlands.

Damage to limbs and branches must be assessed afterwards as remedial work may be necessary to make the area safe and ensure no hanging branches are left that could cause a hazard.

The woodland W1 which has a stretch of cable running from east to west for approximately 150m, will require particularly sensitive measures in place to limit the damage and disturbance to this woodland as well as the trees that are of high value.

4.3.3 Scaffold construction

Due to the nature of scaffold construction and temporary timescale there is scope for scaffolding to accommodate tree retention with only small numbers requiring removal where space is especially restricted. This is especially important where high value trees and features are located in these areas. Due to the requirement for scaffolding where the route crosses roads and railways this unfortunately coincides with large important arboricultural features creating a conflict. All efforts should be made to span the transport route and include the tree features at the same time where possible.

4.3.4 Construction areas

Where trees are near to the edge of the construction area or on the boundary and overhanging (either crown or RPA) these have been highlighted where their retention

will require either the working area to be amended to exclude the entire RPA or for this area to be fenced off and failing that for this area to be protected with suitable ground protection and over hanging branches pruned to give the required clearance.

4.4 Impact Assessment Summary

The necessary tree removals required are not significant and do not affect many high and moderate value trees. Therefore, providing that adequate amendments to working methods and locations to retain the high and moderate value trees that have been highlighted as being impacted are put in place, then the proposal is considered to be acceptable.

Once further detailed information is available for the various stages of this proposal an arboricultural method statement (AMS) will need to be produced detailing the tree protection measures required to ensure the retention of the highlighted trees.

5 CONCLUSIONS

5.1 General

The TCP (*Figure 1*) details the restrictions imposed on the site by the canopy of the trees and their RPAs. This should be used to inform the detailed design process for the proposed development. The category A and B features especially should influence the design in favour of their retention where possible.

The TRP (*Figure 2*) shows the expected tree removals required to facilitate the development using the proposed Site Boundary information.

5.2 Design and Planning

5.2.1 Arboricultural Method Statement (Stage 3)

Once the detailed design is finalised, and before demolition and construction takes place, an arboricultural method statement (AMS) should be compiled detailing the location and nature of protective fencing, signage, timings, supervision requirements and methods of works and other protection measures. The production of an AMS is usually a condition of planning consent.

All site operatives must be made aware of the nature of the protection detailed in the AMS and it should remain in place throughout construction.

TABLE 1: TREE SURVEY DATA

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Life Stage | Est. Remaining Years | Condition | Spread (m) | | | | General Observations | RPA Radius M | RPA Area M2 |
|----------|---------------------------------|-------------------------|---------------------------------|-----------------|------------|----------------------|-----------|------------|-----|-----|-----|--|--------------|-------------|
| | | | | | | | | N | S | E | W | | | |
| T1 | Fraxinus excelsior (Ash) | 250,500 | 10(1) | B2 | EM | 20+ | Fair | 5 | 5 | 5 | 5 | No comments | 6.71 | 141.47 |
| T2 | Quercus robur (Common Oak) | 700 | 10(1) | A2 | M | 40+ | Good | 7 | 7 | 7 | 7 | Growing on bank, some poor pruning wounds. | 8.4 | 221.7 |
| T3 | Quercus robur (Common Oak) | 450 | 8(0) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Growing on steep bank side. Full inspection not possible. Part of linear group. | 5.4 | 91.62 |
| T4 | Acer pseudoplatanus (Sycamore) | 150,150,250 | 7(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Positioned just behind raised bank. Multiple stems at ground level. | 3.94 | 48.78 |
| T5 | Betula pendula (Silver Birch) | 500 | 8(1) | B2 | EM | 20+ | Fair | 3 | 3 | 3 | 5 | Large lateral limbs to west. Open grown form. | 6 | 113.11 |
| T6 | Malus (Apple) | 50 | 3(0) | C1 | Y | 40+ | Good | 1 | 1 | 1 | 1 | Newly planted trees around gateway. These are largest two, other whips by fence. | 0.6 | 1.13 |
| T7 | Malus (Apple) | 50 | 3(0) | C1 | Y | 40+ | Good | 1 | 1 | 1 | 1 | Newly planted trees around gateway. These are largest two, other whips by fence. | 0.6 | 1.13 |
| T8 | Quercus robur (Common Oak) | 750 | 14(2) | A1 | EM | 40+ | Good | 8 | 8 | 8 | 8 | Growing on bank side adjacent and touching stone wall. | 9 | 254.5 |
| T9 | Sorbus aucuparia (Rowan) | 250 | 8(1) | B2 | EM | 20+ | Fair | 2 | 2 | 2 | 2 | Multi-stemmed at 1.5, growing towards bottom of track bank. Growing on field edge at bottom of bank. Some moderate old snapped, previous pruning wounds to lower limbs for clearance presumerably. Broken branches in crown. | 3 | 28.28 |
| T10 | Quercus robur (Common Oak) | 850 | 10(2) | A2 | M | 40+ | Fair | 7 | 7 | 7 | 7 | Decay present on stem. Cavity on stem. Major bark wounding on stem. Broken branches in crown. | 10.2 | 326.89 |
| T11 | Salix caprea (Goat Willow) | 450 | 6(0) | C1 | EM | 10+ | Poor | 2 | 3 | 3 | 3 | Wire fencing included at base (minor). Small basal cavity at base (minor). Some poor past pruning over field, localised decay at wounds, many occluded. Cavity on stem. | 5.4 | 91.62 |
| T12 | Quercus robur (Common Oak) | 600,500 | 12(1) | A2 | EM | 40+ | Fair | 7 | 6 | 7 | 6 | Sweeping stem likely from early poor pruning. Some snapped minor limbs in crown. Squat form. Stunted. | 9.37 | 275.86 |
| T13 | Quercus robur (Common Oak) | 550 | 7(1) | A2 | EM | 40+ | Fair | 3 | 3 | 3 | 3 | Willow in good form with single stem to 1-1.5m. Open grown into field. | 6.6 | 136.87 |
| T14 | Salix caprea (Goat Willow) | 450 | 8(1) | B2 | M | 20+ | Fair | 3 | 3 | 3 | 3 | Stem divides above 1.5m. Included bark present in fork. | 5.4 | 91.62 |
| T15 | Acer pseudoplatanus (Sycamore) | 450 | 12(2) | C1 | EM | 10+ | Fair | 3.5 | 3.5 | 3.5 | 3.5 | On stream edge. | 2.64 | 21.9 |
| T16 | Acer pseudoplatanus (Sycamore) | 220 | 7(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 8.53 | 228.61 |
| T17 | Salix sp. | 450,550 | 8(1) | B2 | M | 20+ | Fair | 6 | 5 | 5 | 5 | On stream edge. Wounding to wall side of stem. | 6 | 113.11 |
| T18 | Acer pseudoplatanus (Sycamore) | 500 | 10(1) | C1 | SM | 10+ | Fair | 3 | 3 | 3 | 4 | Dead standing, full crown, fungi on stem, habitat potential. One stem to south alive and attached at base. | 9 | 254.5 |
| T19 | Acer pseudoplatanus (Sycamore) | 750 | 12(1) | U | M | <10 | Dead | 7 | 7 | 7 | 7 | No comments | 4.69 | 69.11 |
| T20 | Salix sp. | 250,300 | 4(0) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | No comments | 2.16 | 14.66 |
| T21 | Salix sp. | 180 | 5(1) | C1 | SM | 10+ | Fair | 1.5 | 1.5 | 1.5 | 1.5 | Multi-stemmed willow, coppice regrowth, half coppiced on roadside, remainder left over stream. | 2.08 | 13.59 |
| T22 | Salix sp. | 100 | 5(0) | C1 | SM | 10+ | Poor | 1 | 1 | 1 | 1 | Crown lifted on roadside, numerous pruning wounds. Growing on bank beneath road edge. | 3 | 28.28 |
| T23 | Quercus robur (Common Oak) | 250 | 8(4) | B2 | SM | 40+ | Fair | 3 | 3 | 3 | 3 | Crown lifted on roadside, numerous pruning wounds. Growing on bank beneath road edge. Numerous stem and limb wounds. | 3.84 | 46.33 |
| T24 | Salix sp. | 320 | 8(4) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Crown lifted on roadside, numerous pruning wounds. Growing on bank beneath road edge. Some deadwood in crown that should be removed and some limbs have wounds from former fusing limbs, now removed. | 7.2 | 162.88 |
| T25 | Quercus robur (Common Oak) | 600 | 8(4) | A2 | EM | 40+ | Fair | 5 | 5 | 5 | 5 | Crown lifted on roadside, numerous pruning wounds. Growing on bank beneath road edge. Previous pruning wounds at 2m. | 5.4 | 91.62 |
| T26 | Quercus robur (Common Oak) | 450 | 8(4) | B2 | EM | 40+ | Fair | 5 | 5 | 5 | 5 | Roadside oak, lifted over road previously. | 2.4 | 18.1 |
| T27 | Quercus robur (Common Oak) | 200 | 5(2) | B2 | SM | 40+ | Fair | 1 | 1 | 1 | 1 | Roadside oak, lifted over road previously. Poorly pruned. | 1.2 | 4.52 |
| T28 | Quercus robur (Common Oak) | 100 | 3(2) | B2 | SM | 40+ | Fair | 0.5 | 0.5 | 0.5 | 0.5 | Roadside oak, lifted over road previously. Very poorly pruned. Ivy clad. | 2.4 | 18.1 |
| T29 | Quercus robur (Common Oak) | 400 | 5(1) | B2 | EM | 40+ | Fair | 1.5 | 1.5 | 1.5 | 1.5 | Roadside oak, lifted over road previously. Poorly pruned. Broken branches in crown. | 7.22 | 163.79 |
| T30 | Quercus robur (Common Oak) | 200 | 5(1) | C1 | SM | 10+ | Fair | 1.5 | 1.5 | 1.5 | 1.5 | Roadside oak, lifted over road previously. Poorly pruned. Broken branches in crown. | 6.38 | 127.89 |
| T31 | Quercus robur (Common Oak) | 450,400 | 9(5) | B2 | EM | 40+ | Fair | 3 | 3 | 3 | 3 | Large multi-stemmed willow with spreading crown, divided at base, fusing tight unions typical for species. Pruned off road in past. | 8.4 | 221.7 |
| T32 | Quercus robur (Common Oak) | 400,350 | 9(5) | B2 | EM | 40+ | Fair | 3 | 3 | 3 | 3 | Up on steep Bank. | 2.08 | 13.59 |
| T33 | Salix sp. | 350,300,300,250,250,000 | 6(0) | B2 | M | 20+ | Fair | 3 | 4 | 4 | 4 | Stem divides at ground level. Included bark present in fork. | 3.84 | 46.33 |
| T34 | Betula pendula (Silver Birch) | 100,100,100 | 5(0) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | On stream bank. | 4.02 | 50.78 |
| T35 | Sorbus aucuparia (Rowan) | 200,250 | 12(1) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | Growing out of stone bank. | 3.36 | 35.47 |
| T36 | Acer pseudoplatanus (Sycamore) | 150,300 | 12(1) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | Leaning South. | 1.8 | 10.18 |
| T37 | Quercus robur (Common Oak) | 280 | 8(1) | B2 | SM | 40+ | Fair | 3 | 3 | 3 | 3 | No comments | 3.12 | 30.59 |
| T38 | Quercus robur (Common Oak) | 150 | 6(0) | C1 | SM | 10+ | Fair | 0 | 1 | 2 | 1 | No comments | 5.4 | 91.62 |
| T39 | Betula pendula (Silver Birch) | 260 | 8(1) | B2 | SM | 20+ | Fair | 3 | 3 | 3 | 3 | On stream bank. | 3 | 28.28 |
| T40 | Quercus robur (Common Oak) | 450 | 8(1) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | On stream bank. | 3 | 28.28 |
| T41 | Acer pseudoplatanus (Sycamore) | 250 | 10(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Great form, open grown. | 4.2 | 55.42 |
| T42 | Acer pseudoplatanus (Sycamore) | 250 | 10(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Declining. Decay present on stem. Major bark wounding on stem. | 2.4 | 18.1 |
| T43 | Quercus robur (Common Oak) | 350 | 8(1) | A2 | EM | 40+ | Fair | 4 | 4 | 4 | 4 | No comments | 1.69 | 8.97 |
| T44 | Acer pseudoplatanus (Sycamore) | 200 | 7(1) | U | SM | <10 | Poor | 1 | 1 | 1 | 1 | Stem divides at ground level. | 3.84 | 46.33 |
| T45 | Crataegus monogyna (Hawthorn) | 100,100 | 6(1) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Severe squirrel damage to stem and limbs. | 4.2 | 55.42 |
| T46 | Sorbus aucuparia (Rowan) | 200,250 | 12(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Severe squirrel damage to stem and limbs. | 3.84 | 46.33 |
| T47 | Acer pseudoplatanus (Sycamore) | 350 | 10(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | On bank. Minor failed limb. | 3.12 | 30.59 |
| T48 | Sorbus aucuparia (Rowan) | 200,250 | 12(1) | U | EM | <10 | Poor | 3 | 3 | 3 | 3 | Stem divides at ground level. Included bark present in fork. | 3.74 | 43.95 |
| T49 | Sorbus aucuparia (Rowan) | 150,150,150 | 8(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Great form. | 5.4 | 91.62 |
| T50 | Sorbus aucuparia (Rowan) | 100,100,100,150,150,000 | 12(1) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | Oaks on bank, some with pruning in past, very poor on some. Rubble and old structures in rpa, historic. Major bark wounding on stem. | 9.6 | 289.57 |
| T51 | Acer pseudoplatanus (Sycamore) | 450 | 12(1) | B2 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Oaks on bank, some with pruning in past, very poor on some. Rubble and old structures in rpa, historic. Major bark wounding on stem. | 7.8 | 191.16 |
| T52 | Quercus robur (Common Oak) | 800 | 9(1) | A2 | M | 40+ | Fair | 6 | 6 | 6 | 6 | Oaks on bank, some with pruning in past, very poor on some. Rubble and old structures in rpa, historic. Major bark wounding on stem. | 7.8 | 191.16 |
| T53 | Quercus robur (Common Oak) | 650 | 9(1) | A2 | M | 40+ | Fair | 6 | 6 | 6 | 6 | Garden tree. | 3 | 28.28 |
| T54 | Quercus robur (Common Oak) | 650 | 9(1) | A2 | M | 40+ | Fair | 6 | 6 | 6 | 6 | Lower limb snapped at 1m large tear. Major bark wounding on stem. Stem divides below 1.5m. | 4.25 | 56.75 |
| T55 | Picea sitchensis (Sitka Spruce) | 250 | 12(4) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Crown lifted pruning woundsoccluding. | 4.2 | 55.42 |
| T56 | Quercus robur (Common Oak) | 250,250 | 10(1) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Leaning South. | 2.4 | 18.1 |
| T57 | Quercus robur (Common Oak) | 350 | 10(1) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | No comments | 1.69 | 8.97 |
| T58 | Fraxinus excelsior (Ash) | 200 | 8(1) | C1 | SM | 10+ | Fair | 0 | 1 | 3 | 1 | Crown distorted due to group pressure. | 6 | 113.11 |
| T59 | Crataegus monogyna (Hawthorn) | 100,100 | 5(0) | C1 | SM | 10+ | Fair | 0.5 | 0.5 | 0.5 | 0.5 | Positioned on rock bank. Crown distorted due to group pressure. | 6 | 113.11 |
| T60 | Quercus robur (Common Oak) | 500 | 12(2) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Positioned on rock bank. Some historic failures in Crown. Ivy on tree. Stem divides at ground level. | 10.81 | 367.16 |
| T61 | Quercus robur (Common Oak) | 500 | 12(2) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | No comments | 2.47 | 19.17 |
| T62 | Quercus robur (Common Oak) | 500,750 | 14(2) | A2 | M | 40+ | Fair | 4 | 4 | 4 | 4 | Crown distorted due to group pressure. | 1.8 | 10.18 |
| T63 | Ilex aquifolium (Holly) | 100,100,150 | 6(0) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Stem divides below 1.5m. Included bark present in fork. | 2.81 | 24.81 |
| T64 | Fraxinus excelsior (Ash) | 150 | 10(3) | C1 | SM | 10+ | Fair | 2 | 2 | 0 | 2 | Stem divides at ground level. | 4.33 | 58.91 |
| T65 | Acer pseudoplatanus (Sycamore) | 150,180 | 12(2) | C1 | SM | 10+ | Fair | 3 | 3 | 3 | 3 | Stem divides at ground level. Included bark present in fork. | 11.02 | 381.57 |
| T66 | Fraxinus excelsior (Ash) | 300,200 | 10(2) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | Multiple stems at ground level. | 3.29 | 34.01 |
| T67 | Fraxinus excelsior (Ash) | 320,700,500 | 10(2) | B2 | M | 10+ | Fair | 6.5 | 6.5 | 6.5 | 6.5 | Major bark wounding on stem. Stem divides below 1.5m. | 3 | 28.28 |
| T68 | Ilex aquifolium (Holly) | 100,100,150,150,100 | 5(0) | C1 | EM | 10+ | Fair | 1 | 1 | 1 | 1 | Bird box on stem. | 9.84 | 304.23 |
| T69 | Acer pseudoplatanus (Sycamore) | 100,100,100,100,150 | 4(2) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Located on rock out crop. | 5.16 | 83.66 |
| T70 | Acer pseudoplatanus (Sycamore) | 820 | 14(2) | A2 | M | 40+ | Fair | 4 | 4 | 4 | 4 | Major stem loss historically at 1m. Smaller codominant limb suffered severe wounding from loss of former stem. Moderate cavities as a result. Growing on steep bank 2m down from path above. Top failed in past. Ivy on tree. Decay present on stem. Broken branches in crown. | 12.48 | 489.37 |
| T71 | Fraxinus excelsior (Ash) | 180,200,150,300 | 8(1) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | | | |
| T72 | Quercus robur (Common Oak) | 850,600 | 16(3) | B2 | M | 20+ | Fair | 9 | 8 | 8 | 8 | | | |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Life Stage | Est. Remaining Years | Condition | Spread (m) | | | | General Observations | RPA Radius M | RPA Area M2 |
|----------|--------------------------------|-----------------------------|---------------------------------|-----------------|------------|----------------------|-----------|------------|-----|-----|-----|--|--------------|-------------|
| | | | | | | | | N | S | E | W | | | |
| T73 | Quercus robur (Common Oak) | 600 | 12(3) | B2 | M | 20+ | Fair | 6 | 3 | 6 | 6 | Ivy on tree. Broken branches in crown. Crown distorted due to group pressure. | 7.2 | 162.88 |
| T74 | Quercus robur (Common Oak) | 150 | 7(1) | B2 | SM | 20+ | Fair | 2 | 2 | 2 | 2 | Historic stem wound, now occluded.. | 1.8 | 10.18 |
| T75 | Quercus robur (Common Oak) | 500 | 12(2) | B3 | EM | 40+ | Fair | 4 | 4 | 4 | 4 | Positioned on rock bank. Stunted. Ivy on tree. Broken branches in crown. Crown distorted due to group pressure. | 6 | 113.11 |
| T76 | Crataegus monogyna (Hawthorn) | 150,150,150,100 | 7(1) | C1 | EM | 10+ | Poor | 2 | 2 | 2 | 2 | Included wire to stem, congested crown. Multi-stemmed at base. | 3.34 | 35.05 |
| T77 | Quercus robur (Common Oak) | 750 | 10(3) | A2 | M | 40+ | Good | 7 | 7 | 7 | 7 | Growing behind stone wall.. | 9 | 254.5 |
| T78 | Quercus robur (Common Oak) | 550 | 6(3) | B2 | M | 40+ | Fair | 7 | 7 | 7 | 7 | Growing behind stone wall. Topped by powerline clearance in past.. | 6.6 | 136.87 |
| T79 | Crataegus monogyna (Hawthorn) | 100,100,100,150 | 5(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.75 | 23.76 |
| T80 | Quercus robur (Common Oak) | 650 | 10(3) | A2 | EM | 40+ | Good | 7 | 6 | 7 | 4 | Crown distorted due to group pressure. | 7.8 | 191.16 |
| T81 | Fraxinus excelsior (Ash) | 850 | 10(2) | B2 | M | 40+ | Fair | 7 | 7 | 2 | 7 | Major reduction for powerline clearance, large wound on west. Ash dieback suspected from limb on ground with similar symptoms. Stem occluding over former co-dominant stem union, some bleeding from crack.. Unbalanced crown shape. | 10.2 | 326.89 |
| T82 | Fraxinus excelsior (Ash) | 320,500 | 10(2) | B2 | M | 20+ | Good | 5 | 5 | 5 | 5 | No comments | 7.13 | 159.73 |
| T83 | Fraxinus excelsior (Ash) | 440 | 12(2) | B2 | M | 20+ | Good | 5 | 5 | 5 | 5 | No comments | 5.28 | 87.59 |
| T84 | Fraxinus excelsior (Ash) | 250 | 10(2) | C1 | SM | 10+ | Fair | 3 | 3 | 3 | 3 | Cavity on stem. Major bark wounding on stem. | 3 | 28.28 |
| T85 | Acer pseudoplatanus (Sycamore) | 700 | 14(2) | B2 | SM | 10+ | Fair | 4 | 4 | 4 | 4 | Ivy on tree. Crown distorted due to group pressure. | 8.4 | 221.7 |
| T86 | Fagus sylvatica (Beech) | 700 | 16(3) | A2 | EM | 20+ | Fair | 7 | 7 | 7 | 7 | Some historic unsympathetic pruning wounds at base and 3m.. | 8.4 | 221.7 |
| T87 | Salix sp. | 50,50,50,50,50,50 | 8(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Growing rubbish heap area.. Multiple stems at ground level. | 1.46 | 6.7 |
| T88 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | EM | 40+ | Good | 7 | 3 | 7 | 7 | Crown distorted due to group pressure. | 8.4 | 221.7 |
| T89 | Fraxinus excelsior (Ash) | 250 | 8(1) | C1 | SM | 20+ | Good | 3 | 3 | 3 | 3 | No comments | 3 | 28.28 |
| T90 | Fraxinus excelsior (Ash) | 220 | 8(1) | C1 | SM | 20+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.64 | 21.9 |
| T91 | Fraxinus excelsior (Ash) | 220 | 10(1) | C1 | SM | 20+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.64 | 21.9 |
| T92 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | EM | 40+ | Good | 7 | 3 | 7 | 7 | Lifebelt growth on stem, associated with slow decay fungus. Investigate.. Crown distorted due to group pressure. | 8.4 | 221.7 |
| T93 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | EM | 40+ | Good | 7 | 7 | 7 | 3 | Lifebelt growth on stem, associated with slow decay fungus. Investigate. Some wounding to upper limbs, bark missing. Crown distorted due to group pressure. | 8.4 | 221.7 |
| T94 | Fraxinus excelsior (Ash) | 160,120 | 8(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.4 | 18.1 |
| T95 | Crataegus monogyna (Hawthorn) | 220,100,100 | 10(1) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | No comments | 3.14 | 30.98 |
| T96 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | EM | 40+ | Good | 7 | 3 | 7 | 7 | Historic limb failures, snag remain.. Crown distorted due to group pressure. | 8.4 | 221.7 |
| T97 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | EM | 40+ | Good | 8 | 8 | 8 | 5 | Historic limb failures, snags remain.. Crown distorted due to group pressure. | 8.4 | 221.7 |
| T98 | Quercus robur (Common Oak) | 550 | 10(3) | B2 | EM | 20+ | Good | 6 | 5 | 5 | 5 | Historic limb failure tear. Cavity on stem. Major bark wounding on stem. | 6.6 | 136.87 |
| T99 | Quercus robur (Common Oak) | 500 | 8(3) | B2 | EM | 20+ | Fair | 5 | 5 | 5 | 5 | Poor pruning in past, leaving stubs, snags and wounding. Cattle damage to buttresses.. | 6 | 113.11 |
| T100 | Quercus robur (Common Oak) | 600 | 12(3) | B2 | EM | 20+ | Fair | 5 | 2 | 5 | 5 | Poor pruning in past, leaving stubs, snags and wounding.. Crown distorted due to group pressure. | 7.2 | 162.88 |
| T101 | Quercus robur (Common Oak) | 700 | 9(3) | B2 | M | 20+ | Fair | 5 | 5 | 5 | 2 | Very poor pruning in past, leaving stubs, snags and wounding.. Crown distorted due to group pressure. | 8.4 | 221.7 |
| T102 | Quercus robur (Common Oak) | 800 | 14(3) | A2 | M | 40+ | Fair | 9 | 9 | 9 | 4 | Some poor pruning in past, leaving stubs, snags. Crown distorted due to group pressure. | 9.6 | 289.57 |
| T103 | Quercus robur (Common Oak) | 800 | 14(3) | A2 | M | 40+ | Fair | 9 | 4 | 9 | 9 | Some poor pruning in past, leaving stubs, snags. Crown distorted due to group pressure. | 9.6 | 289.57 |
| T104 | Acer pseudoplatanus (Sycamore) | 350,400 | 14(3) | C1 | M | 10+ | Fair | 6 | 3 | 6 | 3 | Some poor pruning in past, leaving stubs, snags. Deadwood. Stem divides below 1.5m. Included bark present in fork. Crown distorted due to group pressure. | 6.38 | 127.89 |
| T105 | Fraxinus excelsior (Ash) | 750 | 14(3) | B2 | M | 20+ | Fair | 8 | 8 | 8 | 8 | Some poor pruning in past, leaving stubs, snags. | 9 | 254.5 |
| T106 | Quercus robur (Common Oak) | 450,550,250,300 | 14(3) | B2 | M | 20+ | Fair | 7 | 4 | 7 | 7 | Some poor pruning in past, leaving stubs, snags. Reduced in height under lines in past. Some limbs damaged, decayed. Crown distorted due to group pressure. | 9.73 | 297.46 |
| T107 | Quercus robur (Common Oak) | 800 | 14(3) | B2 | M | 20+ | Fair | 5 | 5 | 5 | 5 | Some poor pruning in past, leaving stubs, snags. Minor reduction for power line. Crown distorted due to group pressure. | 9.6 | 289.57 |
| T108 | Salix sp. | 800 | 12(3) | C1 | M | 10+ | Poor | 5 | 5 | 5 | 5 | Broken branches in crown. Major deadwood in crown. | 9.6 | 289.57 |
| T109 | Quercus robur (Common Oak) | 800 | 12(3) | B2 | M | 20+ | Fair | 5 | 5 | 5 | 5 | Crown distorted due to group pressure. | 9.6 | 289.57 |
| T110 | Quercus robur (Common Oak) | 250 | 10(3) | B2 | SM | 20+ | Fair | 4 | 5 | 5 | 5 | Wire inclusion on stem. Crown distorted due to group pressure. | 3 | 28.28 |
| T111 | Quercus robur (Common Oak) | 250 | 8(3) | C1 | SM | 10+ | Poor | 2 | 2 | 2 | 2 | Wire inclusion on stem plus other damage.. Crown distorted due to group pressure. | 3 | 28.28 |
| T112 | Prunus avium (Wild Cherry) | 500,600,500 | 8(3) | C1 | M | 10+ | Poor | 6 | 7 | 6 | 7 | Severe pruning, top and lateral.. Multiple stems below 1.5m. Included bark present in fork. | 11.12 | 388.52 |
| T113 | Quercus robur (Common Oak) | 150,150 | 8(3) | C1 | SM | 20+ | Fair | 2 | 2 | 2 | 2 | Stem divides below 1.5m. Included bark present in fork. | 2.54 | 20.27 |
| T114 | Sorbus sp. | 200 | 6(2) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Cavity on stem. Major bark wounding on stem. | 2.4 | 18.1 |
| T115 | Sorbus sp. | 100 | 4(2) | U | SM | <10 | Poor | 1 | 1 | 1 | 1 | Poor shape & form. Cavity on stem. Major bark wounding on stem. | 1.2 | 4.52 |
| T116 | Prunus padus (Bird Cherry) | 100,150,200,100,100,000,000 | 8(2) | C1 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Stem divides at ground level. Included bark present in fork. | 4.25 | 56.75 |
| T117 | Quercus robur (Common Oak) | 600 | 8(3) | B1 | EM | 40+ | Fair | 6 | 8 | 8 | 6 | No comments | 7.2 | 162.88 |
| T118 | Salix sp. | 300,200,150,200 | 6(0) | C1 | SM | 10+ | Fair | 4 | 4 | 4 | 4 | Spreading Willow in garden.. Multiple stems at ground level. | 5.27 | 87.26 |
| T119 | Betula pendula (Silver Birch) | 100,100 | 6(1) | C1 | SM | 10+ | Fair | 1.5 | 1.5 | 1.5 | 1.5 | Stem divides at ground level. Included bark present in fork. | 1.69 | 8.97 |
| T120 | Ilex aquifolium (Holly) | 100,150 | 6(2) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Stem divides below 1.5m. Included bark present in fork. | 2.16 | 14.66 |
| T121 | Acer pseudoplatanus (Sycamore) | 150 | 7(2) | C1 | SM | 10+ | Fair | 3 | 3 | 3 | 3 | No comments | 1.8 | 10.18 |
| T122 | Pinus sp. | 700 | 12(3) | B1 | M | 20+ | Fair | 5 | 5 | 5 | 5 | No comments | 8.4 | 221.7 |
| T123 | Quercus robur (Common Oak) | 550 | 8(3) | A2 | EM | 40+ | Fair | 7 | 7 | 7 | 7 | Growing from outcrop, spreading crown. 2.5m clearance over track.. Stunted. | 6.6 | 136.87 |
| T124 | Quercus robur (Common Oak) | 100,150 | 4(3) | C1 | SM | 10+ | Fair | 1 | 1 | 3 | 1 | Growing from outcrop, spreading crown. 2.5m clearance over track.. Crown distorted due to group pressure. | 2.16 | 14.66 |
| T125 | Ilex aquifolium (Holly) | 150 | 3(3) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Growing from outcrop, spreading crown.. Crown distorted due to group pressure. | 1.8 | 10.18 |
| T126 | Crataegus monogyna (Hawthorn) | 100,100,150,150,100 | 5(0) | C1 | EM | 20+ | Fair | 2 | 2 | 2 | 2 | Growing from behind dyke at base of wall.. | 3.29 | 34.01 |
| T127 | Crataegus monogyna (Hawthorn) | 100 | 3(0) | C1 | SM | 20+ | Fair | 1 | 1 | 1 | 1 | Growing on track edge.. | 1.2 | 4.52 |
| T128 | Pinus sp. | 800 | 14(5) | A2 | M | 40+ | Fair | 8 | 8 | 8 | 8 | Garden tree, spreading crown, lifted over road to 5m approx.. Garden tree, spreading crown, lifted over road to 4m approx. Bat/bird box strapped to stem causing girdling to stem. Reduced vigour. | 9.6 | 289.57 |
| T129 | Pinus sp. | 750 | 12(5) | B2 | M | 20+ | Fair | 8 | 8 | 8 | 8 | | 9 | 254.5 |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Life Stage | Est. Remaining Years | Condition | Spread (m) | | | | General Observations | RPA Radius M | RPA Area M2 |
|----------|---|---------------------------------|---------------------------------|-----------------|------------|----------------------|-----------|------------|-----|-----|-----|---|--------------|-------------|
| | | | | | | | | N | S | E | W | | | |
| T130 | Pinus sp. | 500 | 12(5) | B2 | M | 20+ | Fair | 6 | 6 | 6 | 3 | Garden tree, spreading crown, lifted over road to 6m approx.. | 6 | 113.11 |
| T131 | Fraxinus excelsior (Ash) | 750 | 12(6) | B2 | EM | 10+ | Fair | 6 | 6 | 6 | 1 | Ivy clad tree on road edge, difficult to inspect.. Unable to inspect stem due to undergrowth. Crown distorted due to group pressure. | 9 | 254.5 |
| T132 | Pinus sp. | 700 | 14(6) | B2 | M | 20+ | Fair | 8 | 8 | 3 | 8 | Garden tree, spreading crown, lifted over road to 6m approx.. | 8.4 | 221.7 |
| T133 | Salix sp. | 150,150,300,150,100 | 7(0) | C1 | EM | 20+ | Fair | 5 | 5 | 5 | 5 | Stem has failed historically and now established as phoenix like form, leaning over stream with upright growth.. | 4.91 | 75.75 |
| T134 | Salix sp. | 100,100,100 | 8(0) | U | EM | <10 | Poor | 1 | 1 | 1 | 1 | Very poor pruning wounds, many stubs, and failed hanging limbs. | 2.08 | 13.59 |
| T135 | Quercus robur (Common Oak) | 350 | 8(3) | B2 | SM | 20+ | Fair | 4 | 4 | 4 | 4 | Crown lifted late, lots of pruning wounds. | 4.2 | 55.42 |
| T136 | Quercus robur (Common Oak) | 300,250,100 | 10(3) | C1 | SM | 10+ | Fair | 4 | 4 | 4 | 4 | Crown lifted late, lots of pruning wounds. One basal stem cut to 50cm. Other stems fused at 1.5m before separating again.. | 4.84 | 73.6 |
| T137 | Acer pseudoplatanus (Sycamore) | 250,150,100,150,150,000 | 12(3) | C1 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Wire fence inclusion.. Multiple stems at ground level. | 4.64 | 67.65 |
| T138 | Crataegus monogyna (Hawthorn) | 100,50 | 5(1) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | No comments | 1.34 | 5.64 |
| T139 | Quercus robur (Common Oak) | 350 | 10(3) | B2 | SM | 20+ | Fair | 3.5 | 3.5 | 3.5 | 3.5 | Crown lifted late, lots of pruning wounds. | 4.2 | 55.42 |
| T140 | Crataegus monogyna (Hawthorn) | 100,50,50 | 4(1) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | No comments | 1.46 | 6.7 |
| T141 | Quercus robur (Common Oak) | 300,250,100 | 10(3) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Crown lifted late, lots of pruning wounds. 3 basal stems cut to 50cm.. | 4.84 | 73.6 |
| T142 | Salix sp. | 150,200 | 7(0) | C1 | SM | 10+ | Fair | 1 | 2 | 2 | 2 | Stem has failed historically and now established as phoenix like form, with upright growth.. | 3 | 28.28 |
| T143 | Crataegus monogyna (Hawthorn) | 100,50,50,50 | 3(0) | C1 | SM | 20+ | Fair | 1 | 1 | 1 | 1 | Growing behind wall.. | 1.58 | 7.84 |
| T144 | Quercus robur (Common Oak) | 300 | 8(2) | B1 | SM | 20+ | Fair | 3.5 | 3.5 | 3.5 | 3.5 | No comments | 3.6 | 40.72 |
| T145 | Quercus robur (Common Oak) | 300,250,250 | 8(3) | B1 | EM | 20+ | Fair | 5.5 | 5 | 5.5 | 5 | Stem divides at ground level. | 5.57 | 97.48 |
| T146 | Quercus robur (Common Oak) | 100,100,200 | 8(3) | C1 | EM | 20+ | Fair | 4 | 2 | 2 | 4 | Stem divides at ground level. Crown distorted due to group pressure. | 2.94 | 27.16 |
| T147 | Salix sp. | 150,150,150,100,100 | 5(0) | C1 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Growing on ditch bank, behind fence.. Unable to inspect stem due to undergrowth. Multiple stems at ground level. | 3.55 | 39.6 |
| T148 | Acer pseudoplatanus (Sycamore) | 100,150,100,100,100,000,000,000 | 12(4) | C1 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Coppice regrowth (mature) at road edge.. Stem divides at ground level. | 4.12 | 53.33 |
| T149 | Acer pseudoplatanus (Sycamore) | 550,100,100 | 12(4) | C1 | EM | 20+ | Fair | 6 | 6 | 6 | 6 | Stem divides at ground level. Stem divides above 1.5m. Included bark present in fork. | 6.82 | 146.14 |
| T150 | Aesculus hippocastanum (Horse Chestnut) | 100 | 8(2) | C1 | SM | 40+ | Good | 2 | 2 | 2 | 2 | Garden tree. | 1.2 | 4.52 |
| T151 | Quercus robur (Common Oak) | 750 | 12(3) | A2 | EM | 40+ | Fair | 10 | 10 | 10 | 3 | Growing in veg back from track edge.. Leaning South. Unable to inspect stem due to ivy. Unable to inspect stem due to undergrowth. Crown distorted due to group pressure. | 9 | 254.5 |
| T152 | Acer pseudoplatanus (Sycamore) | 750 | 12(3) | B2 | EM | 20+ | Fair | 10 | 3 | 10 | 10 | Growing in veg back from track edge behind wall.. Unable to inspect stem due to undergrowth. | 9 | 254.5 |
| T153 | Cupressus sp. | 150,50 | 12(2) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Stem divides at ground level. | 1.9 | 11.34 |
| T154 | Salix sp. | 300,300,250,100,100 | 14(2) | C1 | EM | 10+ | Fair | 8 | 8 | 3 | 3 | Stem divides at ground level. Crown distorted due to group pressure. | 6.14 | 118.45 |
| T155 | Salix sp. | 250,100,100,50,50 | 14(2) | C1 | EM | 10+ | Fair | 8 | 1 | 1 | 8 | Recently some stems cut to base. Stem divides at ground level. Crown distorted due to group pressure. | 3.55 | 39.6 |
| T156 | Salix sp. | 100,200 | 8(2) | C1 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Stem divides at ground level. Crown distorted due to group pressure. | 2.69 | 22.74 |
| T157 | Salix sp. | 100,200,150,150,150,000,000,000 | 8(2) | C1 | EM | 10+ | Fair | 5 | 5 | 5 | 5 | Stem divides at ground level. | 4.8 | 72.39 |
| T158 | Salix sp. | 100,100,50,50,50 | 8(2) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | In ditch. Stem divides at ground level. | 1.99 | 12.44 |
| T159 | Quercus robur (Common Oak) | 500 | 8(2) | B1 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Ivy on tree. | 6 | 113.11 |
| T160 | Quercus robur (Common Oak) | 600 | 10(2) | A2 | M | 40+ | Good | 8 | 8 | 8 | 8 | On corner of drainage junction. Ivy on tree. Unable to inspect stem due to ivy. Unable to inspect stem due to undergrowth. | 7.2 | 162.88 |
| T161 | Quercus robur (Common Oak) | 700 | 16(2) | A2 | M | 40+ | Good | 10 | 10 | 10 | 10 | Ivy on tree. Unable to inspect stem due to ivy. Unable to inspect stem due to undergrowth. | 8.4 | 221.7 |
| T162 | Quercus robur (Common Oak) | 600 | 12(2) | A2 | M | 40+ | Good | 5 | 5 | 5 | 5 | No comments | 7.2 | 162.88 |
| T163 | Quercus robur (Common Oak) | 500 | 12(2) | A2 | M | 40+ | Good | 5 | 5 | 5 | 5 | Wire inclusion on stem. | 6 | 113.11 |
| T164 | Quercus robur (Common Oak) | 850,650 | 16(2) | A2 | M | 40+ | Fair | 10 | 10 | 10 | 10 | Wire inclusion on stem. Stem divides at ground level. Broken branches in crown. Major deadwood in crown. | 12.84 | 518.01 |
| T165 | Quercus robur (Common Oak) | 250 | 6(1) | C1 | SM | 40+ | Good | 3 | 3 | 3 | 3 | Wire inclusion on stem. | 3 | 28.28 |
| T166 | Salix sp. | 250 | 6(1) | U | SM | <10 | Poor | 6 | 6 | 0 | 0 | Leaning stem now resting on ground on track.. Crown distorted due to group pressure. | 3 | 28.28 |
| T167 | Sambucus nigra (Elder) | 150 | 4(1) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Growing within old machinery. | 1.8 | 10.18 |
| T168 | Crataegus monogyna (Hawthorn) | 150 | 4(1) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | No comments | 1.8 | 10.18 |
| T169 | Crataegus monogyna (Hawthorn) | 150 | 5(1) | C1 | SM | 10+ | Fair | 1 | 1 | 0 | 1 | No comments | 1.8 | 10.18 |
| T170 | Fraxinus excelsior (Ash) | 450 | 10(1) | C1 | SM | 10+ | Fair | 4 | 4 | 4 | 4 | No comments | 5.4 | 91.62 |
| T171 | Fraxinus excelsior (Ash) | 200 | 10(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.4 | 18.1 |
| T172 | Salix sp. | 200 | 10(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.4 | 18.1 |
| T173 | Fraxinus excelsior (Ash) | 500 | 10(2) | B2 | M | 10+ | Fair | 7 | 7 | 7 | 7 | Missed tree off survey- needs to be looked at on next visit to confirm species and dbh. canopy taken from aerials. | 6 | 113.11 |
| T174 | Acer pseudoplatanus (Sycamore) | 100 | 5(2) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 1.2 | 4.52 |
| T175 | Quercus robur (Common Oak) | 900 | 10(3) | A2 | M | 40+ | Good | 8 | 8 | 8 | 8 | Mature roadside garden tree. | 10.8 | 366.48 |
| T176 | Quercus robur (Common Oak) | 1000 | 10(3) | A2 | M | 40+ | Fair | 9 | 9 | 9 | 9 | Mature railway side tree. In hardstanding, showing some minor dieback. | 12 | 452.45 |
| T177 | Quercus robur (Common Oak) | 450 | 10(3) | A2 | EM | 40+ | Fair | 8 | 8 | 8 | 8 | Mature railway side tree. | 5.4 | 91.62 |
| T178 | Acer pseudoplatanus (Sycamore) | 100,100,100,150,100,000,000 | 10(2) | C1 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Multiple stems below 1.5m. | 5.57 | 97.48 |
| T179 | Acer pseudoplatanus (Sycamore) | 100,100,100,100,50,150 | 10(2) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | Multiple stems below 1.5m. | 3.06 | 29.42 |
| T180 | Acer pseudoplatanus (Sycamore) | 50,50,50,50,50,100,100 | 8(2) | U | EM | 10+ | Fair | 2 | 2 | 2 | 2 | Major bark wounding on stem. Multiple stems below 1.5m. | 2.16 | 14.66 |
| T181 | Fraxinus excelsior (Ash) | 100,150,250 | 12(3) | C1 | EM | 10+ | Fair | 4 | 2 | 4 | 4 | Multiple stems at ground level. | 3.7 | 43.01 |
| T182 | Acer pseudoplatanus (Sycamore) | 320,50 | 10(2) | C1 | EM | 10+ | Fair | 4 | 4 | 4 | 2 | Multiple stems at ground level. | 3.89 | 47.55 |
| T183 | Acer pseudoplatanus (Sycamore) | 250 | 9(2) | C1 | SM | 10+ | Fair | 4 | 4 | 4 | 4 | On bank near water edge.. Ivy on tree. | 3 | 28.28 |
| T184 | Acer pseudoplatanus (Sycamore) | 400 | 10(2) | C1 | EM | 10+ | Fair | 5 | 5 | 5 | 5 | On bank near water edge.. Ivy on tree. | 4.8 | 72.39 |
| T185 | Fraxinus excelsior (Ash) | 400 | 10(2) | C1 | EM | 10+ | Fair | 5 | 5 | 5 | 4 | On bank at water edge. | 4.8 | 72.39 |
| T186 | Quercus robur (Common Oak) | 600 | 5(3) | B2 | EM | 20+ | Fair | 8 | 6.5 | 6.5 | 6.5 | Roadside Oak 30cm from roadside, with primary limb bend over road at 3m approx. Possible clearance issue? Road approx. 5m width at this point. | 7.2 | 162.88 |
| T187 | Salix sp. | 250,300 | 4(0) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | No comments | 4.69 | 69.11 |
| T188 | Salix sp. | 250,300 | 4(0) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | No comments | 4.69 | 69.11 |
| T189 | Salix sp. | 250,300 | 4(0) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | No comments | 4.69 | 69.11 |
| T190 | Larix decidua | 150 | 8(1) | C1 | EM | 10+ | Fair | 2 | 1 | 2 | 2 | No comments | 1.8 | 10.18 |
| T191 | Chamaecyparis lawsoniana | 150 | 8(1) | C1 | EM | 10+ | Fair | 1 | 2 | 2 | 2 | No comments | 1.8 | 10.18 |
| T192 | Fraxinus excelsior (Ash) | 150 | 7(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | No comments | 1.8 | 10.18 |
| T193 | Quercus robur (Common Oak) | 180 | 7(1) | B1 | EM | 20+ | Fair | 2 | 2 | 2 | 2 | No comments | 2.16 | 14.66 |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Life Stage | Est. Remaining Years | Condition | Spread (m) | | | | General Observations | RPA Radius M | RPA Area M2 |
|----------|--|-------------------------|---------------------------------|-----------------|------------|----------------------|-----------|------------|---|---|---|--|--------------|-------------|
| | | | | | | | | N | S | E | W | | | |
| G1 | Corylus avellana (Hazel), Quercus robur (Common Oak) | 150 | 5(0) | C1 | EM | 20+ | Fair | 4 | 4 | 5 | 5 | Multi-stemmed hazel with maturing growth and young Oak growing within. (10dbh). | 4.4 | 60.83 |
| G2 | Salix caprea (Goat Willow), Corylus avellana (Hazel) | 100 | 4(0) | C1 | EM | 20+ | Fair | 3 | 4 | 3 | 4 | Multi-stemmed hazel with maturing growth and multi-stemmed Willow regen growing from recent cut stools. | 1.2 | 4.52 |
| G3 | Betula pendula (Silver Birch), Quercus robur (Common Oak), Fraxinus excelsior (Ash), Corylus avellana (Hazel) | 50 | 3(0) | C1 | Y | 10+ | Fair | 1 | 1 | 1 | 1 | Group of coppice growth trees, all cut to ground level in recent years. | 0.6 | 1.13 |
| G4 | Quercus robur (Common Oak), Malus (Apple) | 150 | 3(0) | B2 | Y | 40+ | Fair | 4 | 4 | 4 | 4 | Two multistemmed at base trees, both early mature to mature. Growing on bank very close together. | 4.4 | 60.83 |
| G5 | Salix caprea (Goat Willow) | 150 | 6(1) | C1 | SM | 20+ | Fair | 2 | 2 | 2 | 2 | Poor Willows near wall, Stem and limb wounding. | 1.8 | 10.18 |
| G6 | Salix caprea (Goat Willow), Betula pendula (Silver Birch) | 200 | 9(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Willow and Birch growing from same point on ditch edge. Stems touching and sweeping from bank edge. Birch taller. | 2.4 | 18.1 |
| G7 | Acer pseudoplatanus (Sycamore), Salix caprea (Goat Willow) | 280,380 | 7(1) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | On stream edge. | 5.66 | 100.66 |
| G8 | Salix sp. | 250,250,250,250,250,000 | 8(2) | C1 | M | 10+ | Fair | 4 | 4 | 4 | 4 | Two large spreading Multi-stemmed willows. Eastern tree divided at base, the other at 1m approx. Stem divides at ground level. Stem divides below 1.5m. | 7.34 | 169.28 |
| G9 | Salix sp. | 100,100,100,150,150,000 | 5(1) | C1 | SM | <10 | Dead | 2 | 2 | 2 | 2 | Multi-stemmed willow group, all dividing at base into numerous stems | 3.74 | 43.95 |
| G10 | Salix sp. | 550 | 8(0) | B2 | M | 20+ | Fair | 5 | 5 | 5 | 5 | Row of three maturing willows, one larger than the others. (eastern one). All divide at under 1m. | 6.6 | 136.87 |
| G11 | Salix sp., Crataegus monogyna (Hawthorn), Betula pendula (Silver Birch), Sambucus nigra (Elder) | 100 | 12(0) | C1 | SM | 20+ | Fair | 1 | 1 | 1 | 1 | Series of stream/ditches with young trees self set along banks. | 1.2 | 4.52 |
| G12 | Salix sp. | 300 | 5(4) | C1 | EM | 10+ | Fair | 1 | 1 | 1 | 1 | Growing on bank beneath road edge. Two young two older, coppice regrowth. One has stem cavity. All stunted form from road clearance pruning. Some habitat op in cavity. | 3.6 | 40.72 |
| G13 | Salix sp., Betula pendula (Silver Birch), Fraxinus excelsior (Ash) | 100 | 4(5) | C1 | SM | 10+ | Fair | 3 | 3 | 3 | 3 | Numerous young mainly willow growing in water beneath road wall. Some near wall, some further away. Most under 10cm dia. A few 10-20cm dia. | 1.2 | 4.52 |
| G14 | Salix sp., Betula pendula (Silver Birch), Fraxinus excelsior (Ash) | 100 | 4(5) | C1 | SM | 10+ | Fair | 3 | 3 | 3 | 3 | Numerous semi mature willow growing in boggy ground beneath powerline, short and multi-stemmed with most having 10-20cm dia. Position estimated and there are other smaller sub 8cm trees present. | 1.2 | 4.52 |
| G15 | Sorbus aucuparia (Rowan), Salix sp., Quercus robur (Common Oak) | 350 | 8(0) | C1 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Group of mixed tree at base of pylon and stone wall, adjacent to stream. Some single and multi-stemmed of mixed value. Southern most sorbus best form. | 4.2 | 55.42 |
| G16 | Sorbus aucuparia (Rowan) | 250 | 8(1) | C1 | EM | 10+ | Fair | 2 | 2 | 2 | 2 | On stream bank. | 3 | 28.28 |
| G17 | Sorbus aucuparia (Rowan) | 150 | 5(1) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Wounding to stem and limbs- squirrel, wind. | 1.8 | 10.18 |
| G18 | Acer pseudoplatanus (Sycamore) | 150 | 12(2) | B2 | M | 20+ | Fair | 2 | 2 | 2 | 2 | Shelterbelt planting secured with stock fencing. Approx. 75 trees ranging from 10 - 30cm dbh depending species. Numerous smaller stems present. | 1.8 | 10.18 |
| G19 | Quercus robur (Common Oak), Fraxinus excelsior (Ash), Crataegus monogyna (Hawthorn), Acer pseudoplatanus (Sycamore), Corylus avellana (Hazel) | 400 | 14(1) | B2 | EM | 20+ | Fair | 3 | 3 | 3 | 3 | Railway embankment slope, numerous trees growing from slope side. Mostly Sycamore, Ash, but some Oak, many are mature regrowth from previous phase of safety felling. Many with very mature regrowth c. 30-40cm dbh. Less single stem specimens. | 4.8 | 72.39 |
| G20 | Corylus avellana (Hazel) | 100,100,100,100,100,000 | 5(1) | C1 | EM | 20+ | Fair | 3 | 3 | 3 | 3 | Railway embankment slope, small group of Hazel coppice stools, varying regrowth. | 2.94 | 27.16 |
| G21 | Crataegus monogyna (Hawthorn) | 200 | 3(1) | C1 | EM | 20+ | Fair | 1 | 1 | 1 | 1 | Row of Hawthorn varying stem sizes. 10-25cm dbh. | 2.4 | 18.1 |
| G22 | Prunus spinosa (Blackthorn) | 100 | 3(1) | C1 | EM | 20+ | Fair | 1 | 1 | 1 | 1 | Row of blackthorn. | 1.2 | 4.52 |
| G23 | Acer pseudoplatanus (Sycamore) | 100 | 10(2) | C1 | SM | 10+ | Fair | 1 | 1 | 1 | 1 | Self set trees along back of garages. | 1.2 | 4.52 |
| G24 | Crataegus monogyna (Hawthorn), Acer pseudoplatanus (Sycamore), Ilex aquifolium (Holly) | 250 | 10(1) | C1 | EM | 20+ | Fair | 3 | 3 | 3 | 3 | Group of mixed trees, 35cm sync growing on top of wall, 25cm holly in front with damage to stem and a 30cm hawthorn with decay on stem and partial collapse and congested asymmetrical crown. Ivy on tree. | 3 | 28.28 |
| G25 | Acer pseudoplatanus (Sycamore), Fraxinus excelsior (Ash) | 250 | 12(1) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Group of mixed trees growing in row along driveway, between 15-30cm dbh. Many regrowth from coppicing historically. Ivy on tree. | 3 | 28.28 |
| G26 | Acer pseudoplatanus (Sycamore), Fraxinus excelsior (Ash), Carpinus betulus (Hornbeam) | 250 | 12(1) | B2 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Group of mixed trees growing in row along driveway, between 15-30cm dbh. Ivy on tree. | 3 | 28.28 |
| G27 | Acer pseudoplatanus (Sycamore), Fraxinus excelsior (Ash), Carpinus betulus (Hornbeam) | 150 | 10(1) | C1 | EM | 20+ | Fair | 2 | 2 | 2 | 2 | Group of mixed trees growing in wet ground behind stone wall. between 15-20cm dbh. | 1.8 | 10.18 |
| G28 | Fraxinus excelsior (Ash), Betula pendula (Silver Birch), Acer pseudoplatanus (Sycamore) | 100 | 8(1) | C1 | SM | 20+ | Fair | 1 | 1 | 1 | 1 | Group of mixed trees growing in drainage channel, all young/semi mature. One Ash showed legion similar Ash dieback. | 1.2 | 4.52 |
| G29 | Corylus avellana (Hazel), Fraxinus excelsior (Ash), Crataegus monogyna (Hawthorn) | 50 | 4(1) | C1 | Y | 20+ | Fair | 1 | 1 | 1 | 1 | Thicket of trees growing next to railway, all young/semi mature. One Ash showed legion similar Ash dieback. | 0.6 | 1.13 |
| G30 | Sorbus sp. | 50 | 4(1) | C1 | Y | 10+ | Fair | 1 | 1 | 1 | 1 | Newly planted trees, many failed at root plate, or partially failed an growing at severe angle, many suffered browsing damage. (7). | 0.6 | 1.13 |
| G31 | Corylus avellana (Hazel), Fraxinus excelsior (Ash), Crataegus monogyna (Hawthorn), Quercus robur (Common Oak) | 350 | 4(1) | B2 | EM | 20+ | Fair | 1 | 1 | 1 | 1 | Bankside group of trees, all semi-early mature. One Ash showed symptoms similar Ash db. | 4.2 | 55.42 |
| G32 | Corylus avellana (Hazel) | 100,100,100,100,100,000 | 7(1) | C1 | EM | 20+ | Fair | 5 | 5 | 5 | 5 | Large coppice stools with mature regrowth. | 2.94 | 27.16 |
| G33 | Quercus robur (Common Oak) | 300 | 9(1) | B2 | SM | 20+ | Fair | 3 | 3 | 3 | 3 | Two semi mature oaks. | 3.6 | 40.72 |
| G34 | Fraxinus excelsior (Ash), Acer campestre (Field Maple), Corylus avellana (Hazel), Acer pseudoplatanus (Sycamore), Salix sp., Crataegus monogyna (Hawthorn), Larix decidua (European Larch) | 250 | 14(1) | B2 | EM | 10+ | Fair | 4 | 4 | 4 | 4 | Shelterbelt group near to roundabout. Mixed species and sizes, many in poor condition, included ties, stakes. Many multi-stemmed at base, some with mature regrowth c. 20-30cm dbh. Some have been topped under cable. A few of reasonable form. Some of the mature Ash show db symptoms. Stem divides at ground level. Included bark present in fork. | 3 | 28.28 |
| G35 | Fraxinus excelsior (Ash), Quercus robur (Common Oak), Corylus avellana (Hazel) | 300 | 14(1) | B2 | M | 10+ | Fair | 4 | 4 | 4 | 4 | Railway embankment tree group, many multi-stemmed Hazel and Sycamore, felled from last safety clearance. Some semi mature oaks. Rocky outcrops form part of bank, with some trees growing directly out of it. | 3.6 | 40.72 |
| G36 | Betula pendula (Silver Birch), Salix sp. | 200 | 7(0) | C1 | EM | 10+ | Fair | 3 | 3 | 3 | 3 | Group of mainly birch in garden. | 2.4 | 18.1 |
| G37 | Salix sp., Alnus glutinosa (Common Alder), Acer campestre (Field Maple), Prunus avium (Wild Cherry) | 100 | 8(0) | C1 | Y | 20+ | Fair | 1 | 1 | 1 | 1 | Shelterbelt of young mixed native species, young. | 1.2 | 4.52 |
| G38 | Salix sp., Crataegus monogyna (Hawthorn) | 150 | 6(0) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Ditch side hedge, some larger Multi-stemmed trees, many smaller hawthorns. | 1.8 | 10.18 |
| G39 | Quercus robur (Common Oak), Salix sp., Fraxinus excelsior (Ash), Crataegus monogyna (Hawthorn) | 350 | 6(0) | B2 | SM | 20+ | Fair | 4 | 4 | 4 | 4 | Ditch side tree line. most multi-stemmed and maturing, some willow failed at base and regrown, oak in better condition. most have been recently pruned back hard to ditch edge/field boundary, some unsympathetically. | 4.2 | 55.42 |
| G40 | Cupressus sp., Fraxinus excelsior (Ash), Alnus glutinosa (Common Alder), Quercus robur (Common Oak), Salix sp. | 350 | 14(2) | B2 | EM | 20+ | Fair | 3 | 3 | 3 | 3 | Garden trees, varying species, largest is cypress approx. 40cm dbh. Many smaller broadleaves dotted along fence line. | 4.2 | 55.42 |
| G41 | Cupressus sp., Corylus avellana (Hazel), Betula pendula (Silver Birch), Acer pseudoplatanus (Sycamore) | 150 | 12(2) | C1 | SM | 10+ | Fair | 2 | 2 | 2 | 2 | Mixed group on driveway edge, with shrubs in front, small partial wall in front also. | 1.8 | 10.18 |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Life Stage | Est. Remainin g Years | Condition | Spread (m) | | | | General Observations | RPA Radius M | RPA Area M2 |
|----------|--|----------|---------------------------------------|--------------------|------------|-----------------------------|-----------|------------|-----|-----|-----|---|--------------|-------------|
| | | | | | | | | N | S | E | W | | | |
| G42 | Quercus robur (Common Oak), Betula pendula (Silver Birch) | 300 | 10(2) | B2 | EM | 20+ | Fair | 2 | 2 | 2 | 2 | Row of short oaks on railway bank, plus a few mature birch to east.. | 3.6 | 40.72 |
| G43 | Acer pseudoplatanus (Sycamore), Quercus robur (Common Oak) | 300 | 10(2) | C1 | EM | 20+ | Fair | 4 | 4 | 4 | 4 | Group sycamore on railway bank, some multi-stemmed with mature regrowth, one single stem.. | 3.6 | 40.72 |
| G44 | Salix sp., Corylus avellana (Hazel), Sorbus sp., Alnus glutinosa (Common Alder), Crataegus monogyna (Hawthorn) | 50 | 4(1) | C1 | Y | 10+ | Fair | 1 | 1 | 1 | 1 | Young self set group on lower ground next to road. | 0.6 | 1.13 |
| G45 | Quercus robur (Common Oak) | 650 | 12(2) | A2 | EM | 40+ | Fair | 7 | 7 | 7 | 7 | Row of early mature Oaks along field boundary. | 7.8 | 191.16 |
| G46 | Corylus avellana (Hazel), Ulmus sp. | 50 | 3(1) | C1 | Y | 10+ | Fair | 0.5 | 0.5 | 0.5 | 0.5 | Young self set group on lower ground next to road.. | 0.6 | 1.13 |
| G47 | Salix sp., Betula pendula (Silver Birch) | 50 | 3(0) | C1 | Y | 20+ | Fair | 0.5 | 0.5 | 0.5 | 0.5 | Young trees planted along railway station compound edge. Many more whips planted on bank adjacent. 30 approx. | 0.6 | 1.13 |
| W1 | Fraxinus excelsior (Ash), Quercus robur (Common Oak), Crataegus monogyna (Hawthorn), Prunus spinosa (Blackthorn), Salix sp., Acer pseudoplatanus (Sycamore), Betula pendula (Silver Birch) | 250 | 14(1) | A2 | EM | 40+ | Fair | 2 | 2 | 2 | 2 | Broadleaf woodland on steep ground with drainage pool at lowest point beneath cables. Mainly semi mature trees with a smaller number of maturing specimens. Leads to railway embankment.. | 3 | 28.28 |

TABLE 2: TREE IMPACTS AND REMOVALS

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Remove | Impacts | Retainable? | Reason |
|----------|---------------------------------|-------------------------|---------------------------------|-----------------|--------|------------------|--|---|
| | | | | | | | | |
| T1 | Fraxinus excelsior (Ash) | 250,500 | 10(1) | B2 | | | | |
| T2 | Quercus robur (Common Oak) | 700 | 10(1) | A2 | | | | |
| T3 | Quercus robur (Common Oak) | 450 | 8(0) | B2 | | | | |
| T4 | Acer pseudoplatanus (Sycamore) | 150,150,250 | 7(1) | C1 | | | | |
| T5 | Betula pendula (Silver Birch) | 500 | 8(1) | B2 | Remove | | | Working area |
| T6 | Malus (Apple) | 50 | 3(0) | C1 | | | | |
| T7 | Malus (Apple) | 50 | 3(0) | C1 | | | | |
| T8 | Quercus robur (Common Oak) | 750 | 14(2) | A1 | | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T9 | Sorbus aucuparia (Rowan) | 250 | 8(1) | B2 | | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T10 | Quercus robur (Common Oak) | 850 | 10(2) | A2 | | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T11 | Salix caprea (Goat Willow) | 450 | 6(0) | C1 | Remove | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T12 | Quercus robur (Common Oak) | 600,500 | 12(1) | A2 | | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T13 | Quercus robur (Common Oak) | 550 | 7(1) | A2 | | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T14 | Salix caprea (Goat Willow) | 450 | 8(1) | B2 | | | | |
| T15 | Acer pseudoplatanus (Sycamore) | 450 | 12(2) | C1 | Remove | | | Land affected by conductor removal |
| T16 | Acer pseudoplatanus (Sycamore) | 220 | 7(1) | C1 | | | | |
| T17 | Salix sp. | 450,550 | 8(1) | B2 | Remove | | | Land affected by conductor removal |
| T18 | Acer pseudoplatanus (Sycamore) | 500 | 10(1) | C1 | | | | |
| T19 | Acer pseudoplatanus (Sycamore) | 750 | 12(1) | U | | | | |
| T20 | Salix sp. | 250,300 | 4(0) | C1 | Remove | | | Eastern construction head |
| T21 | Salix sp. | 180 | 5(1) | C1 | Remove | | | Working area |
| T22 | Salix sp. | 100 | 5(0) | C1 | | RPA encroachment | Potential to retain on edge of working area and roadside with exclusion or ground protection | Within working area but scope for retention if area amended to exclude. Some high value trees |
| T23 | Quercus robur (Common Oak) | 250 | 8(4) | B2 | | RPA encroachment | Potential to retain on edge of working area and roadside with exclusion or ground protection | Working area |
| T24 | Salix sp. | 320 | 8(4) | C1 | | RPA encroachment | Potential to retain on edge of working area and roadside with exclusion or ground protection | Working area |
| T25 | Quercus robur (Common Oak) | 600 | 8(4) | A2 | | RPA encroachment | Potential to retain on edge of working area and roadside with exclusion or ground protection | Working area |
| T26 | Quercus robur (Common Oak) | 450 | 8(4) | B2 | | RPA encroachment | Potential to retain on edge of working area and roadside with exclusion or ground protection | Working area |
| T27 | Quercus robur (Common Oak) | 200 | 5(2) | B2 | | RPA encroachment | Potential to retain if scaffolding can accommodate and de-cabing completed sensitively | Scaffold stay area conflict - but could be retained with adapted scaffold position |
| T28 | Quercus robur (Common Oak) | 100 | 3(2) | B2 | | RPA encroachment | Potential to retain if scaffolding can accommodate and de-cabing completed sensitively | Scaffold stay area conflict - but could be retained with adapted scaffold position |
| T29 | Quercus robur (Common Oak) | 400 | 5(1) | B2 | | RPA encroachment | Potential to retain if scaffolding can accommodate and de-cabing completed sensitively | Scaffold stay area conflict - but could be retained with adapted scaffold position |
| T30 | Quercus robur (Common Oak) | 200 | 5(1) | C1 | | RPA encroachment | Potential to retain if scaffolding can accommodate and de-cabing completed sensitively | Scaffold stay area conflict - but could be retained with adapted scaffold position |
| T31 | Quercus robur (Common Oak) | 450,400 | 9(5) | B2 | | RPA encroachment | Potential to retain if scaffolding can accommodate and de-cabing completed sensitively | Scaffold stay area conflict - but could be retained with adapted scaffold position |
| T32 | Quercus robur (Common Oak) | 400,350 | 9(5) | B2 | | RPA encroachment | Potential to retain if scaffolding can accommodate and de-cabing completed sensitively | Scaffold stay area conflict - but could be retained with adapted scaffold position |
| T33 | Salix sp. | 350,300,300,250,250,000 | 6(0) | B2 | | | | |
| T34 | Betula pendula (Silver Birch) | 100,100,100 | 5(0) | C1 | | | | |
| T35 | Sorbus aucuparia (Rowan) | 200,250 | 12(1) | C1 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T36 | Acer pseudoplatanus (Sycamore) | 150,300 | 12(1) | C1 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T37 | Quercus robur (Common Oak) | 280 | 8(1) | B2 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T38 | Quercus robur (Common Oak) | 150 | 6(0) | C1 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T39 | Betula pendula (Silver Birch) | 260 | 8(1) | B2 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T40 | Quercus robur (Common Oak) | 450 | 8(1) | B2 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T41 | Acer pseudoplatanus (Sycamore) | 250 | 10(1) | C1 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| T42 | Acer pseudoplatanus (Sycamore) | 250 | 10(1) | C1 | Remove | | | Scaffold stay area |
| T43 | Quercus robur (Common Oak) | 350 | 8(1) | A2 | | | | |
| T44 | Acer pseudoplatanus (Sycamore) | 200 | 7(1) | U | | | | |
| T45 | Crataegus monogyna (Hawthorn) | 100,100 | 6(1) | C1 | | | | |
| T46 | Sorbus aucuparia (Rowan) | 200,250 | 12(1) | C1 | | | | |
| T47 | Acer pseudoplatanus (Sycamore) | 350 | 10(1) | C1 | | | | |
| T48 | Sorbus aucuparia (Rowan) | 200,250 | 12(1) | U | Remove | | | Working area conflict |
| T49 | Sorbus aucuparia (Rowan) | 150,150,150 | 8(1) | C1 | Remove | | | Scaffold stay area |
| T50 | Sorbus aucuparia (Rowan) | 100,100,100,150,150,000 | 12(1) | C1 | Remove | | | Working area conflict |
| T51 | Acer pseudoplatanus (Sycamore) | 450 | 12(1) | B2 | | | | |
| T52 | Quercus robur (Common Oak) | 800 | 9(1) | A2 | | | | |
| T53 | Quercus robur (Common Oak) | 650 | 9(1) | A2 | | | | |
| T54 | Quercus robur (Common Oak) | 650 | 9(1) | A2 | | RPA encroachment | Retainable with ground protection and crown lift as necessary | Temporary access route |
| T55 | Picea sitchensis (Sitka Spruce) | 250 | 12(4) | C1 | | | | |
| T56 | Quercus robur (Common Oak) | 250,250 | 10(1) | B2 | | RPA encroachment | Potential to retain on edge of working area with exclusion or ground protection | Scaffold stay area conflict - but scope to retain as unlikely to be affected |
| T57 | Quercus robur (Common Oak) | 350 | 10(1) | B2 | | RPA encroachment | Potential to retain on edge of working area with exclusion or ground protection | Scaffold stay area conflict - but scope to retain as unlikely to be affected |
| T58 | Fraxinus excelsior (Ash) | 200 | 8(1) | C1 | | | | |
| T59 | Crataegus monogyna (Hawthorn) | 100,100 | 5(0) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T60 | Quercus robur (Common Oak) | 500 | 12(2) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T61 | Quercus robur (Common Oak) | 500 | 12(2) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T62 | Quercus robur (Common Oak) | 500,750 | 14(2) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T63 | Ilex aquifolium (Holly) | 100,100,150 | 6(0) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain |
| T64 | Fraxinus excelsior (Ash) | 150 | 10(3) | C1 | | | | |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Remove | Impacts | Retainable? | | Reason |
|----------|--------------------------------|---------------------|---------------------------------|-----------------|--------|------------------|---|--|---|
| | | | | | | | | | |
| T65 | Acer pseudoplatanus (Sycamore) | 150,180 | 12(2) | C1 | | | | | |
| T66 | Fraxinus excelsior (Ash) | 300,200 | 10(2) | C1 | | | | | |
| T67 | Fraxinus excelsior (Ash) | 320,700,500 | 10(2) | B2 | Remove | | | | Land affected by conductor removal - Should be retained if possible |
| T68 | Ilex aquifolium (Holly) | 100,100,150,150,100 | 5(0) | C1 | Remove | | | | Land affected by conductor removal |
| T69 | Acer pseudoplatanus (Sycamore) | 100,100,100,100,150 | 4(2) | C1 | Remove | | | | Land affected by conductor removal |
| T70 | Acer pseudoplatanus (Sycamore) | 820 | 14(2) | A2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | Land affected by conductor removal - Should be possible to retain. High value tree |
| T71 | Fraxinus excelsior (Ash) | 180,200,150,300 | 8(1) | C1 | Remove | | | | Land affected by conductor removal |
| T72 | Quercus robur (Common Oak) | 850,600 | 16(3) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T73 | Quercus robur (Common Oak) | 600 | 12(3) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T74 | Quercus robur (Common Oak) | 150 | 7(1) | B2 | | RPA encroachment | | | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T75 | Quercus robur (Common Oak) | 500 | 12(2) | B3 | | RPA encroachment | | | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T76 | Crataegus monogyna (Hawthorn) | 150,150,150,100 | 7(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T77 | Quercus robur (Common Oak) | 750 | 10(3) | A2 | | RPA encroachment | Potential to retain on edge of working area/access route with RPA exclusion or ground protection | | OHL removal/Access trackway - Should be retained with tree protection - High value tree |
| T78 | Quercus robur (Common Oak) | 550 | 6(3) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | OHL removal/Access trackway - Should be retained with tree protection |
| T79 | Crataegus monogyna (Hawthorn) | 100,100,100,150 | 5(1) | C1 | | RPA encroachment | Potential to retain on edge of working area/access route with RPA exclusion or ground protection | | OHL removal - Scope for retention |
| T80 | Quercus robur (Common Oak) | 650 | 10(3) | A2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | Conflict with conductor removal area boundary - Should be retained with tree protection. High value trees |
| T81 | Fraxinus excelsior (Ash) | 850 | 10(2) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | Conflict with conductor removal area boundary - Should be retained with tree protection. High value trees |
| T82 | Fraxinus excelsior (Ash) | 320,500 | 10(2) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | Conflict with conductor removal area boundary - Should be retained with tree protection. High value trees |
| T83 | Fraxinus excelsior (Ash) | 440 | 12(2) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | OHL removal - Should be retained with tree protection |
| T84 | Fraxinus excelsior (Ash) | 250 | 10(2) | C1 | | | | | |
| T85 | Acer pseudoplatanus (Sycamore) | 700 | 14(2) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. |
| T86 | Fagus sylvatica (Beech) | 700 | 16(3) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T87 | Salix sp. | 50,50,50,50,50,50 | 8(1) | C1 | | RPA encroachment | Providing de-cablings is undertaken sensitively then retention is possible | | OHL removal - Scope for retention |
| T88 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | OHL removal - with potential to retain, high value tree |
| T89 | Fraxinus excelsior (Ash) | 250 | 8(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain |
| T90 | Fraxinus excelsior (Ash) | 220 | 8(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain |
| T91 | Fraxinus excelsior (Ash) | 220 | 10(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain |
| T92 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T93 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T94 | Fraxinus excelsior (Ash) | 160,120 | 8(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain |
| T95 | Crataegus monogyna (Hawthorn) | 220,100,100 | 10(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain |
| T96 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T97 | Quercus robur (Common Oak) | 700 | 10(3) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T98 | Quercus robur (Common Oak) | 550 | 10(3) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | Within working area boundary but scope for retention if area amended to exclude. High value tree |
| T99 | Quercus robur (Common Oak) | 500 | 8(3) | B2 | | | | | |
| T100 | Quercus robur (Common Oak) | 600 | 12(3) | B2 | | | | | |
| T101 | Quercus robur (Common Oak) | 700 | 9(3) | B2 | | | | | |
| T102 | Quercus robur (Common Oak) | 800 | 14(3) | A2 | | | | | |
| T103 | Quercus robur (Common Oak) | 800 | 14(3) | A2 | | | | | |
| T104 | Acer pseudoplatanus (Sycamore) | 350,400 | 14(3) | C1 | | | | | |
| T105 | Fraxinus excelsior (Ash) | 750 | 14(3) | B2 | | | | | |
| T106 | Quercus robur (Common Oak) | 450,550,250,300 | 14(3) | B2 | | RPA encroachment | | | OHL removal - with potential to retain, high value tree |
| T107 | Quercus robur (Common Oak) | 800 | 14(3) | B2 | | RPA encroachment | | | OHL removal - with potential to retain, high value tree |
| T108 | Salix sp. | 800 | 12(3) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T109 | Quercus robur (Common Oak) | 800 | 12(3) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T110 | Quercus robur (Common Oak) | 250 | 10(3) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T111 | Quercus robur (Common Oak) | 250 | 8(3) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings undertaken sensitively then retention is possible | | OHL removal - with potential to retain, high value tree |
| T112 | Prunus avium (Wild Cherry) | 500,600,500 | 8(3) | C1 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | | OHL removal - with potential to retain, high value tree |
| T113 | Quercus robur (Common Oak) | 150,150 | 8(3) | C1 | | | | | |
| T114 | Sorbus sp. | 200 | 6(2) | C1 | | | | | |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Remove | Impacts | Retainable? | Reason |
|----------|---|---------------------------------|---------------------------------|-----------------|--------|------------------|--|---|
| | | | | | | | | |
| T115 | Sorbus sp. | 100 | 4(2) | U | | | | |
| T116 | Prunus padus (Bird Cherry) | 100,150,200,100,100,000,000 | 8(2) | C1 | | | | |
| T117 | Quercus robur (Common Oak) | 600 | 8(3) | B1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings is undertaken sensitively then retention is possible | OHL removal - scope to retain all |
| T118 | Salix sp. | 300,200,150,200 | 6(0) | C1 | | | | |
| T119 | Betula pendula (Silver Birch) | 100,100 | 6(1) | C1 | | | | |
| T120 | Ilex aquifolium (Holly) | 100,150 | 6(2) | C1 | | | | |
| T121 | Acer pseudoplatanus (Sycamore) | 150 | 7(2) | C1 | | | | |
| T122 | Pinus sp. | 700 | 12(3) | B1 | | | | |
| T123 | Quercus robur (Common Oak) | 550 | 8(3) | A2 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access route passes under canopy - some crown lifting may be needed for retention |
| T124 | Quercus robur (Common Oak) | 100,150 | 4(3) | C1 | | | | |
| T125 | Ilex aquifolium (Holly) | 150 | 3(3) | C1 | | | | |
| T126 | Crataegus monogyna (Hawthorn) | 100,100,150,150,100 | 5(0) | C1 | | | | |
| T127 | Crataegus monogyna (Hawthorn) | 100 | 3(0) | C1 | | | | |
| T128 | Pinus sp. | 800 | 14(5) | A2 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access route passes under canopy - some crown lifting may be needed for retention and ground protection |
| T129 | Pinus sp. | 750 | 12(5) | B2 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access route passes under canopy - some crown lifting may be needed for retention and ground protection |
| T130 | Pinus sp. | 500 | 12(5) | B2 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access route passes under canopy - some crown lifting may be needed for retention and ground protection |
| T131 | Fraxinus excelsior (Ash) | 750 | 12(6) | B2 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access route passes under canopy - some crown lifting may be needed for retention and ground protection |
| T132 | Pinus sp. | 700 | 14(6) | B2 | | | | |
| T133 | Salix sp. | 150,150,300,150,100 | 7(0) | C1 | | | | |
| T134 | Salix sp. | 100,100,100 | 8(0) | U | | | | |
| T135 | Quercus robur (Common Oak) | 350 | 8(3) | B2 | | | | |
| T136 | Quercus robur (Common Oak) | 300,250,100 | 10(3) | C1 | | | | |
| T137 | Acer pseudoplatanus (Sycamore) | 250,150,100,150,150,000 | 12(3) | C1 | | | | |
| T138 | Crataegus monogyna (Hawthorn) | 100,50 | 5(1) | C1 | | | | |
| T139 | Quercus robur (Common Oak) | 350 | 10(3) | B2 | | | | |
| T140 | Crataegus monogyna (Hawthorn) | 100,50,50 | 4(1) | C1 | | | | |
| T141 | Quercus robur (Common Oak) | 300,250,100 | 10(3) | C1 | | | | |
| T142 | Salix sp. | 150,200 | 7(0) | C1 | | | | |
| T143 | Crataegus monogyna (Hawthorn) | 100,50,50,50 | 3(0) | C1 | Remove | | | Working area conflict |
| T144 | Quercus robur (Common Oak) | 300 | 8(2) | B1 | Remove | | | Working area conflict |
| T145 | Quercus robur (Common Oak) | 300,250,250 | 8(3) | B1 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | Working area conflict - with potential to retain subject to crown lifting and ground protection |
| T146 | Quercus robur (Common Oak) | 100,100,200 | 8(3) | C1 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | Working area conflict - with potential to retain subject to crown lifting and ground protection |
| T147 | Salix sp. | 150,150,150,100,100 | 5(0) | C1 | Remove | | | Working area conflict |
| T148 | Acer pseudoplatanus (Sycamore) | 100,150,100,100,100,000,000,000 | 12(4) | C1 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access track conflict - with potential to retain subject to crown lifting and ground protection |
| T149 | Acer pseudoplatanus (Sycamore) | 550,100,100 | 12(4) | C1 | | RPA encroachment | Crown lifting and ground protection required for tree retention | Access track conflict - with potential to retain subject to crown lifting and ground protection |
| T150 | Aesculus hippocastanum (Horse Chestnut) | 100 | 8(2) | C1 | Remove | | | Working area conflict |
| T151 | Quercus robur (Common Oak) | 750 | 12(3) | A2 | | | | |
| T152 | Acer pseudoplatanus (Sycamore) | 750 | 12(3) | B2 | | | | |
| T153 | Cupressus sp. | 150,50 | 12(2) | C1 | | | | |
| T154 | Salix sp. | 300,300,250,100,100 | 14(2) | C1 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | OHL removal/working area - with potential to retain trees on bank |
| T155 | Salix sp. | 250,100,100,50,50 | 14(2) | C1 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | OHL removal/working area - with potential to retain trees on bank |
| T156 | Salix sp. | 100,200 | 8(2) | C1 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | OHL removal/working area - with potential to retain trees on bank |
| T157 | Salix sp. | 100,200,150,150,150,000,000,000 | 8(2) | C1 | Remove | | | Working area conflict |
| T158 | Salix sp. | 100,100,50,50,50 | 8(2) | C1 | | | | |
| T159 | Quercus robur (Common Oak) | 500 | 8(2) | B1 | | | | |
| T160 | Quercus robur (Common Oak) | 600 | 10(2) | A2 | | RPA encroachment | Potential to retain on edge of access track with crown lifting and ground protection | Access track conflict - with potential to retain subject to crown lifting and ground protection - high value tree |
| T161 | Quercus robur (Common Oak) | 700 | 16(2) | A2 | | RPA encroachment | Potential to retain on edge of access track with crown lifting and ground protection | Access track conflict - with potential to retain subject to crown lifting and ground protection - high value tree |
| T162 | Quercus robur (Common Oak) | 600 | 12(2) | A2 | | RPA encroachment | Potential to retain on edge of access track with crown lifting and ground protection | to crown lifting and ground protection - high value tree |
| T163 | Quercus robur (Common Oak) | 500 | 12(2) | A2 | | | | |
| T164 | Quercus robur (Common Oak) | 850,650 | 16(2) | A2 | | | | |
| T165 | Quercus robur (Common Oak) | 250 | 6(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cablings is undertaken sensitively then retention is possible | OHL removal - scope to retain |
| T166 | Salix sp. | 250 | 6(1) | U | Remove | | | Access track conflict- tree in poor condition |
| T167 | Sambucus nigra (Elder) | 150 | 4(1) | C1 | | | | |
| T168 | Crataegus monogyna (Hawthorn) | 150 | 4(1) | C1 | | | | |

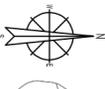
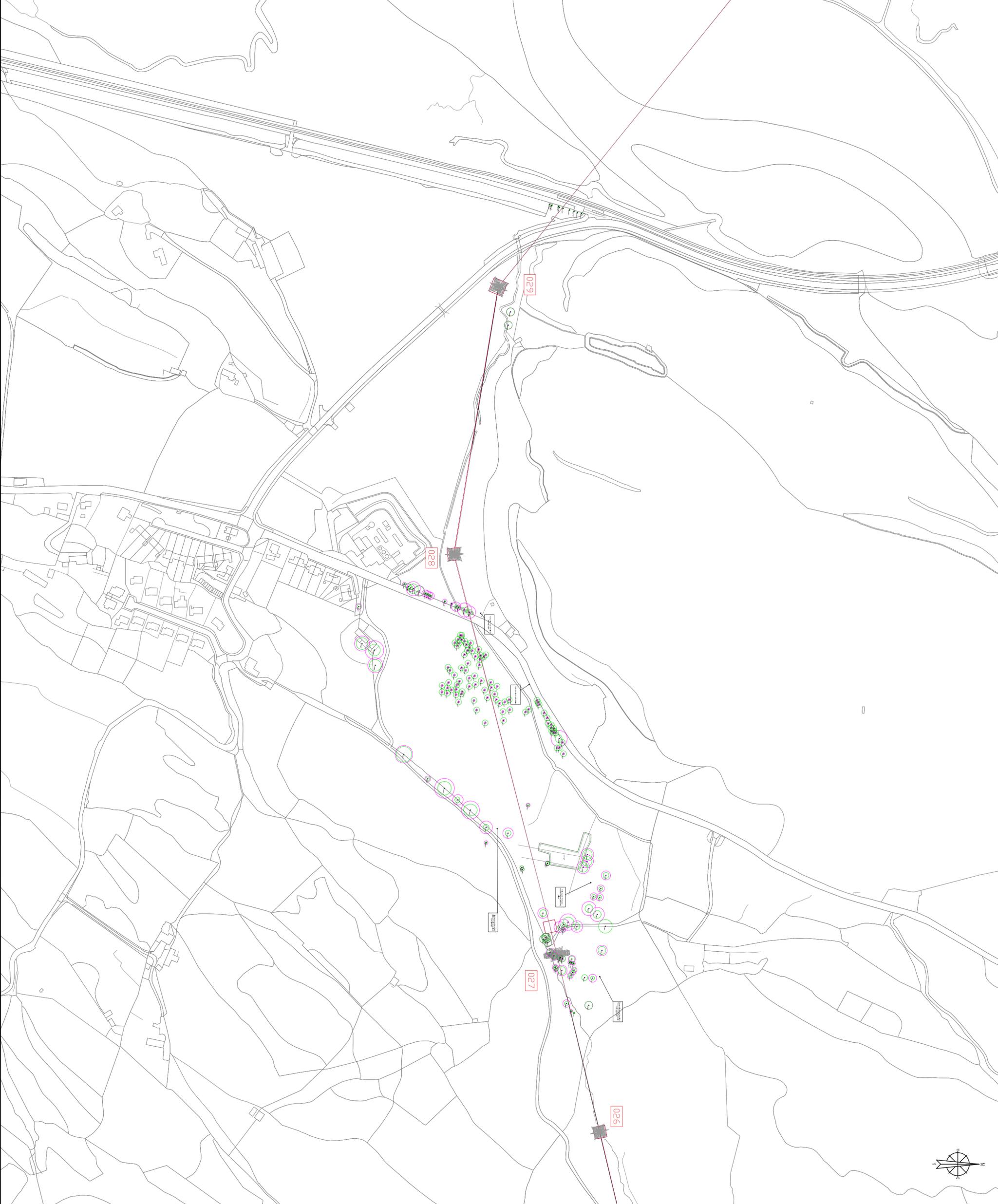
Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Remove | Impacts | Retainable? | Reason |
|----------|---|-----------------------------|---------------------------------|-----------------|-------------------|------------------|--|---|
| | | | | | | | | |
| T169 | Crataegus monogyna (Hawthorn) | 150 | 5(1) | C1 | | | | |
| T170 | Fraxinus excelsior (Ash) | 450 | 10(1) | C1 | | | | |
| T171 | Fraxinus excelsior (Ash) | 200 | 10(1) | C1 | | | | |
| T172 | Salix sp. | 200 | 10(1) | C1 | | | | |
| T173 | Fraxinus excelsior (Ash) | 500 | 10(2) | B2 | | | | |
| T174 | Acer pseudoplatanus (Sycamore) | 100 | 5(2) | C1 | | | | |
| T175 | Quercus robur (Common Oak) | 900 | 10(3) | A2 | | | | |
| T176 | Quercus robur (Common Oak) | 1000 | 10(3) | A2 | | | | |
| T177 | Quercus robur (Common Oak) | 450 | 10(3) | A2 | | | | |
| T178 | Acer pseudoplatanus (Sycamore) | 100,100,100,150,100,000,000 | 10(2) | C1 | | | | |
| T179 | Acer pseudoplatanus (Sycamore) | 100,100,100,100,50,150 | 10(2) | C1 | | | | |
| T180 | Acer pseudoplatanus (Sycamore) | 50,50,50,50,50,100,100 | 8(2) | U | | | | |
| T181 | Fraxinus excelsior (Ash) | 100,150,250 | 12(3) | C1 | | | | |
| T182 | Acer pseudoplatanus (Sycamore) | 320,50 | 10(2) | C1 | | | | |
| T183 | Acer pseudoplatanus (Sycamore) | 250 | 9(2) | C1 | | | | |
| T184 | Acer pseudoplatanus (Sycamore) | 400 | 10(2) | C1 | | | | |
| T185 | Fraxinus excelsior (Ash) | 400 | 10(2) | C1 | | | | |
| T186 | Quercus robur (Common Oak) | 600 | 5(3) | B2 | Remove | | Potential to retain if passing place 3 is relocated | Access conflict - passing place. |
| T187 | Salix sp. | 250,300 | 4(0) | C1 | Remove | | | Eastern construction head |
| T188 | Salix sp. | 250,300 | 4(0) | C1 | Remove | | | Eastern construction head |
| T189 | Salix sp. | 250,300 | 4(0) | C1 | Remove | | | Eastern construction head |
| T190 | Larix decidua | 150 | 8(1) | C1 | Remove | | | Western construction head |
| T191 | Chamaecyparis lawsoniana | 150 | 8(1) | C1 | Remove | | | Western construction head |
| T192 | Fraxinus excelsior (Ash) | 150 | 7(1) | C1 | Remove | | | Western construction head |
| T193 | Quercus robur (Common Oak) | 180 | 7(1) | B1 | Remove | | | Western construction head |
| | | | | | | | | |
| G1 | Corylus avellana (Hazel), Quercus robur (Common Oak) | 150 | 5(0) | C1 | | | | |
| G2 | Salix caprea (Goat Willow), Corylus avellana (Hazel) | 100 | 4(0) | C1 | | | | |
| G3 | Betula pendula (Silver Birch), Quercus robur (Common Oak), Fraxinus excelsior (Ash), Corylus avellana (Hazel) | 50 | 3(0) | C1 | | | | |
| G4 | Quercus robur (Common Oak), Malus (Apple) | 150 | 3(0) | B2 | | | | |
| G5 | Salix caprea (Goat Willow) | 150 | 6(1) | C1 | | | | |
| G6 | Salix caprea (Goat Willow), Betula pendula (Silver Birch) | 200 | 9(1) | C1 | Remove | | | Eastern construction head |
| G7 | Acer pseudoplatanus (Sycamore), Salix caprea (Goat Willow) | 280,380 | 7(1) | C1 | Remove | | | Land affected by conductor removal |
| G8 | Salix sp. | 250,250,250,250,250,000 | 8(2) | C1 | Remove | | | Eastern construction head |
| G9 | Salix sp. | 100,100,100,150,150,000 | 5(1) | C1 | Remove | | | Eastern construction head |
| G10 | Salix sp. | 550 | 8(0) | B2 | Remove | | | Eastern construction head |
| G11 | Salix sp., Crataegus monogyna (Hawthorn), Betula pendula (Silver Birch), Sambucus nigra (Elder) | 100 | 12(0) | C1 | Remove | | | Eastern construction head |
| G12 | Salix sp. | 300 | 5(4) | C1 | | RPA encroachment | Potential to retain on edge of working area and roadside with exclusion or ground protection | Working area |
| G13 | Salix sp., Betula pendula (Silver Birch), Fraxinus excelsior (Ash) | 100 | 4(5) | C1 | | | | |
| G14 | Salix sp., Betula pendula (Silver Birch), Fraxinus excelsior (Ash) | 100 | 4(5) | C1 | Remove | | | Working area |
| G15 | Sorbus aucuparia (Rowan), Salix sp., Quercus robur (Common Oak) | 350 | 8(0) | C1 | Remove | | | Scaffold stay area/Land affected by conductor removal |
| G16 | Sorbus aucuparia (Rowan) | 250 | 8(1) | C1 | Remove | | | Working area |
| G17 | Sorbus aucuparia (Rowan) | 150 | 5(1) | C1 | Remove | | | Working area |
| G18 | Acer pseudoplatanus (Sycamore) | 150 | 12(2) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain |
| G19 | Quercus robur (Common Oak), Fraxinus excelsior (Ash), Crataegus monogyna (Hawthorn), Acer pseudoplatanus (Sycamore), Corylus avellana (Hazel) | 400 | 14(1) | B2 | Removal (partial) | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | Scaffold stay area conflict - but scope for partial retention if scaffold positioning can be amended. High value trees. |

Average diameter and heights given for group and hedge features. Please refer to Appendix 1 for survey methodology and abbreviations.

| Ref. No. | Species | DBH (mm) | Height m (Lower crown height m) | BS5837 Category | Remove | Impacts | Retainable? | | Reason |
|----------|--|-------------------------|---------------------------------------|--------------------|------------------|------------------|---|---|--------|
| | | | | | | | | | |
| G20 | Corylus avellana (Hazel) | 100,100,100,100,100,000 | 5(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | Scaffold stay area conflict - but scope for retention if scaffold positioning can be amended. High value trees. | |
| G21 | Crataegus monogyna (Hawthorn) | 200 | 3(1) | C1 | Remove (partial) | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then part retention is possible | OHL removal/Access trackway - with potential to part retain | |
| G22 | Prunus spinosa (Blackthorn) | 100 | 3(1) | C1 | Remove (partial) | RPA encroachment | Potential to retain on edge of working area/access route with RPA exclusion or ground protection | OHL removal/Access trackway - Scope for part retention | |
| G23 | Acer pseudoplatanus (Sycamore) | 100 | 10(2) | C1 | Removal | | | Scaffold stay area conflict | |
| G24 | Crataegus monogyna (Hawthorn),Acer pseudoplatanus (Sycamore),Ilex aquifolium (Holly) | 250 | 10(1) | C1 | Removal | | | Scaffold stay area conflict | |
| G25 | Acer pseudoplatanus (Sycamore),Fraxinus excelsior (Ash) | 250 | 12(1) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain | |
| G26 | Acer pseudoplatanus (Sycamore),Fraxinus excelsior (Ash),Carpinus betulus (Hornbeam) | 250 | 12(1) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain | |
| G27 | Acer pseudoplatanus (Sycamore),Fraxinus excelsior (Ash),Carpinus betulus (Hornbeam) | 150 | 10(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain | |
| G28 | Fraxinus excelsior (Ash),Betula pendula (Silver Birch),Acer pseudoplatanus (Sycamore) | 100 | 8(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain | |
| G29 | Corylus avellana (Hazel),Fraxinus excelsior (Ash),Crataegus monogyna (Hawthorn) | 50 | 4(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain | |
| G30 | Sorbus sp. | 50 | 4(1) | C1 | Remove | | | OHL removal/scaffold stay area | |
| G31 | Corylus avellana (Hazel),Fraxinus excelsior (Ash),Crataegus monogyna (Hawthorn),Quercus robur (Common Oak) | 350 | 4(1) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain, high value tree | |
| G32 | Corylus avellana (Hazel) | 100,100,100,100,100,000 | 7(1) | C1 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain as coppice stool | |
| G33 | Quercus robur (Common Oak) | 300 | 9(1) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain, high value tree | |
| G34 | Fraxinus excelsior (Ash),Acer campestre (Field Maple),Corylus avellana (Hazel),Acer pseudoplatanus (Sycamore),Salix sp.,Crataegus monogyna (Hawthorn),Larix decidua (European Larch) | 250 | 14(1) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain - high value group | |
| G35 | Fraxinus excelsior (Ash),Quercus robur (Common Oak),Corylus avellana (Hazel) | 300 | 14(1) | B2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - scope to retain all | |
| G36 | Betula pendula (Silver Birch),Salix sp. | 200 | 7(0) | C1 | | | | | |
| G37 | Salix sp.,Alnus glutinosa (Common Alder),Acer campestre (Field Maple),Prunus avium (Wild Cherry) | 100 | 8(0) | C1 | | | | | |
| G38 | Salix sp.,Crataegus monogyna (Hawthorn) | 150 | 6(0) | C1 | | | | | |
| G39 | Quercus robur (Common Oak),Salix sp.,Fraxinus excelsior (Ash),Crataegus monogyna (Hawthorn) | 350 | 6(0) | B2 | | | | | |
| G40 | Cupressus sp.,Fraxinus excelsior (Ash),Alnus glutinosa (Common Alder),Quercus robur (Common Oak),Salix sp. | 350 | 14(2) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | Working area conflict - with potential to retain subject to crown lifting and ground protection | |
| G41 | Cupressus sp.,Corylus avellana (Hazel),Betula pendula (Silver Birch),Acer pseudoplatanus (Sycamore) | 150 | 12(2) | C1 | | | | | |
| G42 | Quercus robur (Common Oak),Betula pendula (Silver Birch) | 300 | 10(2) | B2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | OHL removal/working area - with potential to retain trees on bank | |
| G43 | Acer pseudoplatanus (Sycamore),Quercus robur (Common Oak) | 300 | 10(2) | C1 | Remove | | | Working area conflict to 1/2 of group | |
| G44 | Salix sp.,Corylus avellana (Hazel),Sorbus sp.,Alnus glutinosa (Common Alder),Crataegus monogyna (Hawthorn) | 50 | 4(1) | C1 | | | | | |
| G45 | Quercus robur (Common Oak) | 650 | 12(2) | A2 | | RPA encroachment | Potential to retain on edge of working area with RPA exclusion or ground protection | Conflict with conductor removal area boundary - Should be retained with tree protection. High value trees | |
| G46 | Corylus avellana (Hazel),Ulmus sp. | 50 | 3(1) | C1 | | | | | |
| G47 | Salix sp.,Betula pendula (Silver Birch) | 50 | 3(0) | C1 | | RPA encroachment | Some trees could be retained is scaffold area is adapted to avoid trees | Scaffold stay area - many trees could be retained and other transplanted due to size | |
| W1 | Fraxinus excelsior (Ash),Quercus robur (Common Oak),Crataegus monogyna (Hawthorn),Prunus spinosa (Blackthorn),Salix sp.,Acer pseudoplatanus (Sycamore),Betula pendula (Silver Birch) | 250 | 14(1) | A2 | | RPA encroachment | Providing scaffold positioning avoids trees and de-cabing is undertaken sensitively then retention is possible | OHL removal - with potential to retain, high value group | |

FIGURE 1: TREE CONSTRAINTS PLAN



Legend

-  Tree Category A
-  Tree Category B
-  Tree Category C
-  Tree Category U
-  Root Protection Area
-  Tree number
-  Tree number
-  Pylon number

| Rev. | Date | Amendment | Drawn | Chkd. | Appt. |
|------|------|-----------|-------|-------|-------|
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Tree Constraints Plan

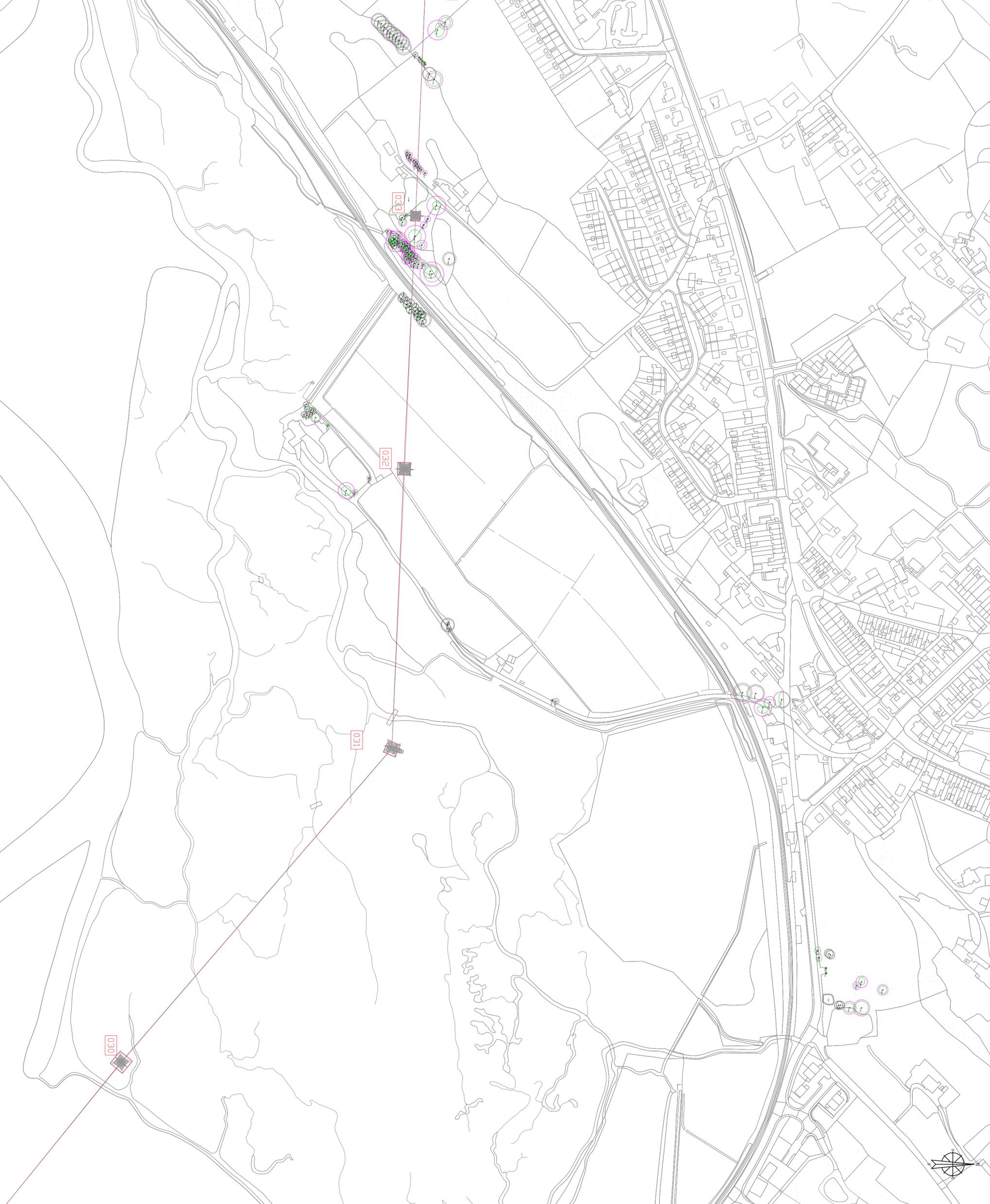
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Legend

-  Tree Category A
-  Tree Category B
-  Tree Category C
-  Tree Category U
-  Root Protection Area
-  Tree number
-  Tree number

 Pylon number

| Rev. | Date | Amendment | Drawn | Chkd. | Apptd. |
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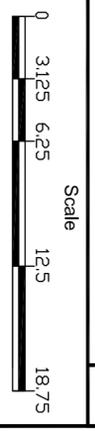


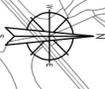
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Tree Constraints Plan

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| Scale | 4:1 | Orig Size | A2 | Dimensions | METRES |
| Project No. | 888165 | Drawing File | 1 | Rev. | 1 |
| Drawing No. | 2 | | | | |





Legend

- Tree Category A
- Tree Category B
- Tree Category C
- Tree Category U
- Root Protection Area
- Tree number

027 Pylon number

| Rev. | Date | Amendment | Drawn | Chkd. | Apptd. |
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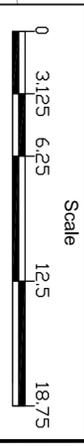
Client
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Project Title
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Drawing Title
TREE CONSTRAINTS PLAN

| Drawn | Date | Checked | Date | Approved | Date |
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| | |
|-----------------------|----------------------|
| Scale 4:1 | Dimensions METRES |
| Project No. 888165 | Drawing File 1 |
| Drawing No. 3 | Rev. 1 |





Legend

-  Tree Category A
-  Tree Category B
-  Tree Category C
-  Tree Category U
-  Root Protection Area
-  Tree number

 027 Pylon number

| Rev. | Date | Amendment | Drawn | Chkd. | Apptd. |
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Tree Constraints Plan

| Drawn | Date | Checked | Date | Approved | Date |
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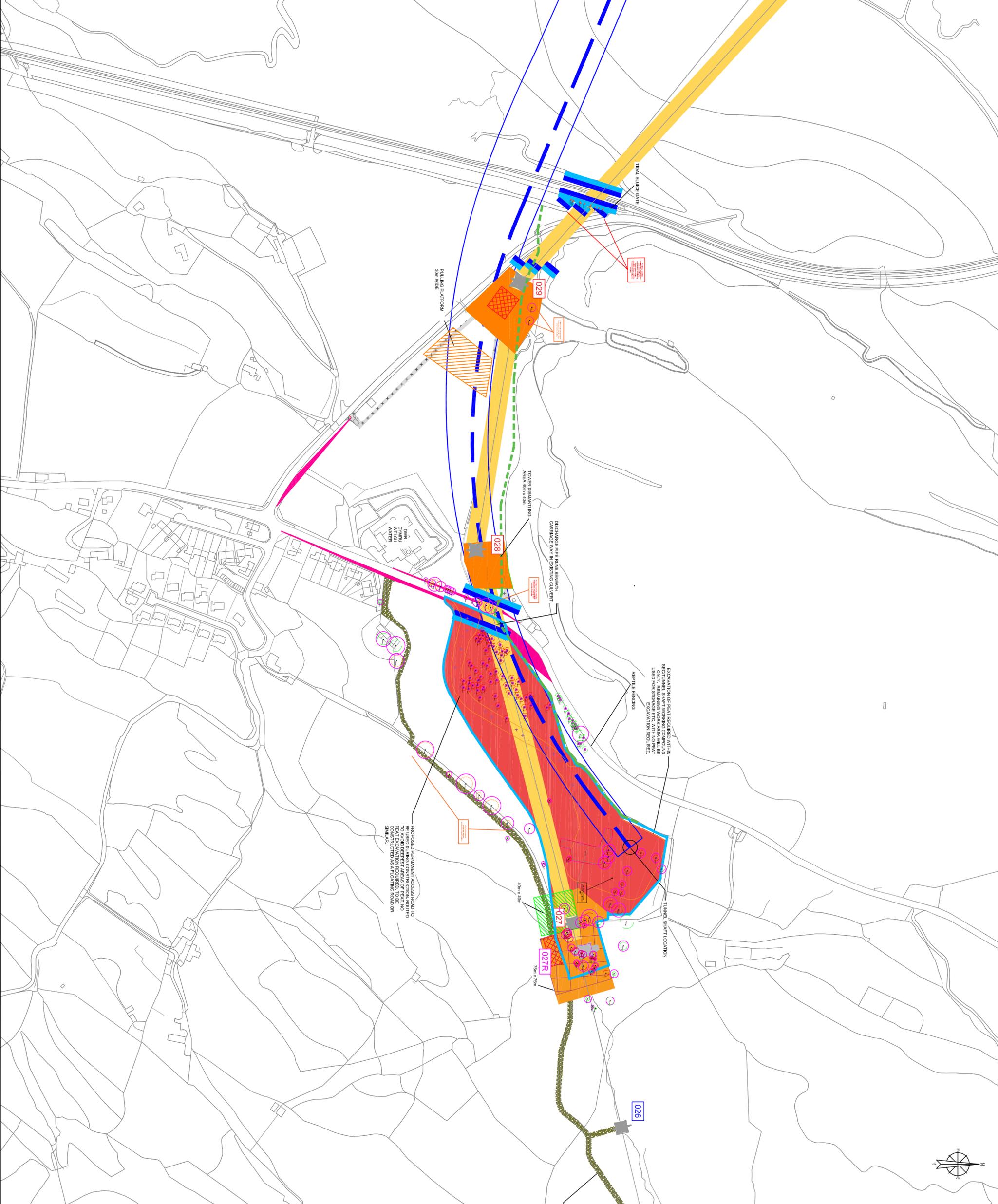
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FIGURE 2: TREE RETENTION PLAN



Legend

- Tree Category A
- Tree Category B
- Tree Category C
- Tree Category U
- Root Protection Area
- Tree number
- Pylon number
- Proposed Tunnel route
- Tree Retained
- Tree Removed
- Tree Impacted

| Rev. | Date | Amendment | Drawn | Chkd. | Appd. |
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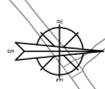
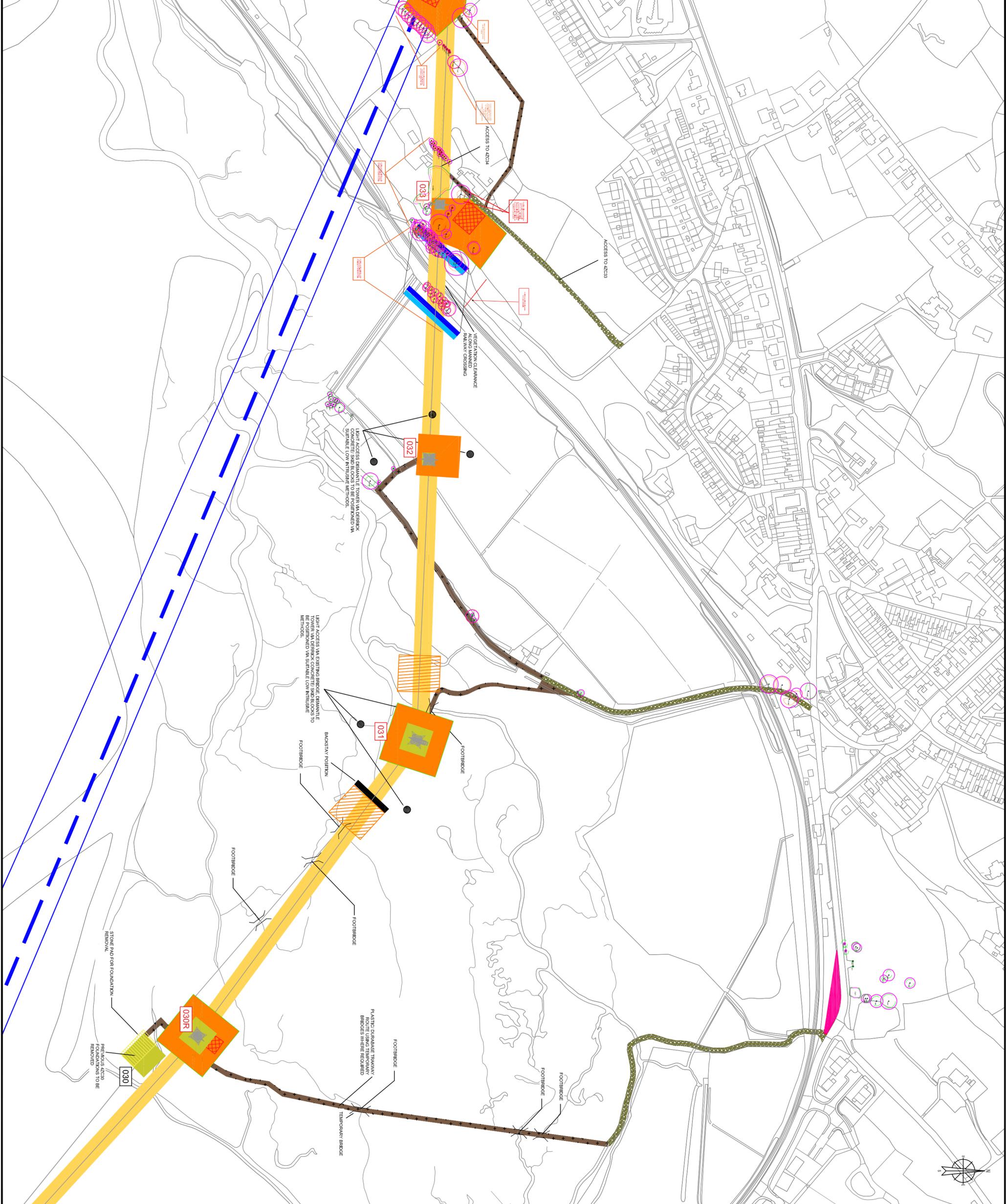
Project Title
SNOWDONIA
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Drawing Title
TREE REMOVAL PLAN

| Drawn | Date | Checked | Date | Approved | Date |
|-------|--------|---------|--------|----------|--------|
| RF | 130220 | JB | 130220 | RF | 130220 |

Scale: A2
 Dimensions: METRES

| | | | |
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| Project No. | 888165 | Drawing File | 1 |
| Drawing No. | 1 | Rev. | 3 |



- Legend**
- Tree Category A
 - Tree Category B
 - Tree Category C
 - Tree Category U
 - Root Protection Area
 - Tree number
 - Pylon number
 - Proposed Tunnel route
 - Trees Retained
 - Trees Removed
 - Tree Impacted

- EXISTING ACCESS ROUTE TO BE USED & FOR IMPROVED TEMPORARY ACCESS ROUTE
- NO OPERATIONAL LAND GARTH TUNNEL PROPOSED
- LAND TAKE FOR GARTH AND ONE WORKING PLATFORM AND ONE WORKING PLATFORM BY CONSTRUCTION REMOVAL
- AREA FOR SCAFFOLD
- SCAFFOLD STRAY AREA

| Rev. | Date | Amendment | Drawn | Chkd. | Appt. |
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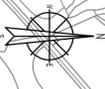
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Project Title
TREE REMOVAL PLAN

| Drawn | Date | Checked | Date | Approved | Date |
|-------|--------|---------|--------|----------|--------|
| RF | 130220 | JB | 130220 | RF | 130220 |

Scale
 A2
 Dimensions
METRES

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| Project No. 888165 | Drawing File 1 |
| Drawing No. 2 | Rev. 3 |



- Legend**
- Tree Category A
 - Tree Category B
 - Tree Category C
 - Tree Category U
 - Root Protection Area
 - Tree number
 - Pylon number
 - Proposed Tunnel route
 - Tree Retained
 - Tree Removed
 - Tree Impacted

- EXISTING ACCESS ROUTE TO BE USED & FOR UNIMPROVED TEMPORARY ACCESS ROUTE
- NO OPERATIONAL LAND GRIFT TRAFFIC IMPACTS
- LAND TAKE FOR CABLE AND Pylon REMOVAL
- LAND AFFECTED BY CONDUCTION REMOVAL
- AREA FOR SCAFFOLD
- SCAFFOLD STR AREA

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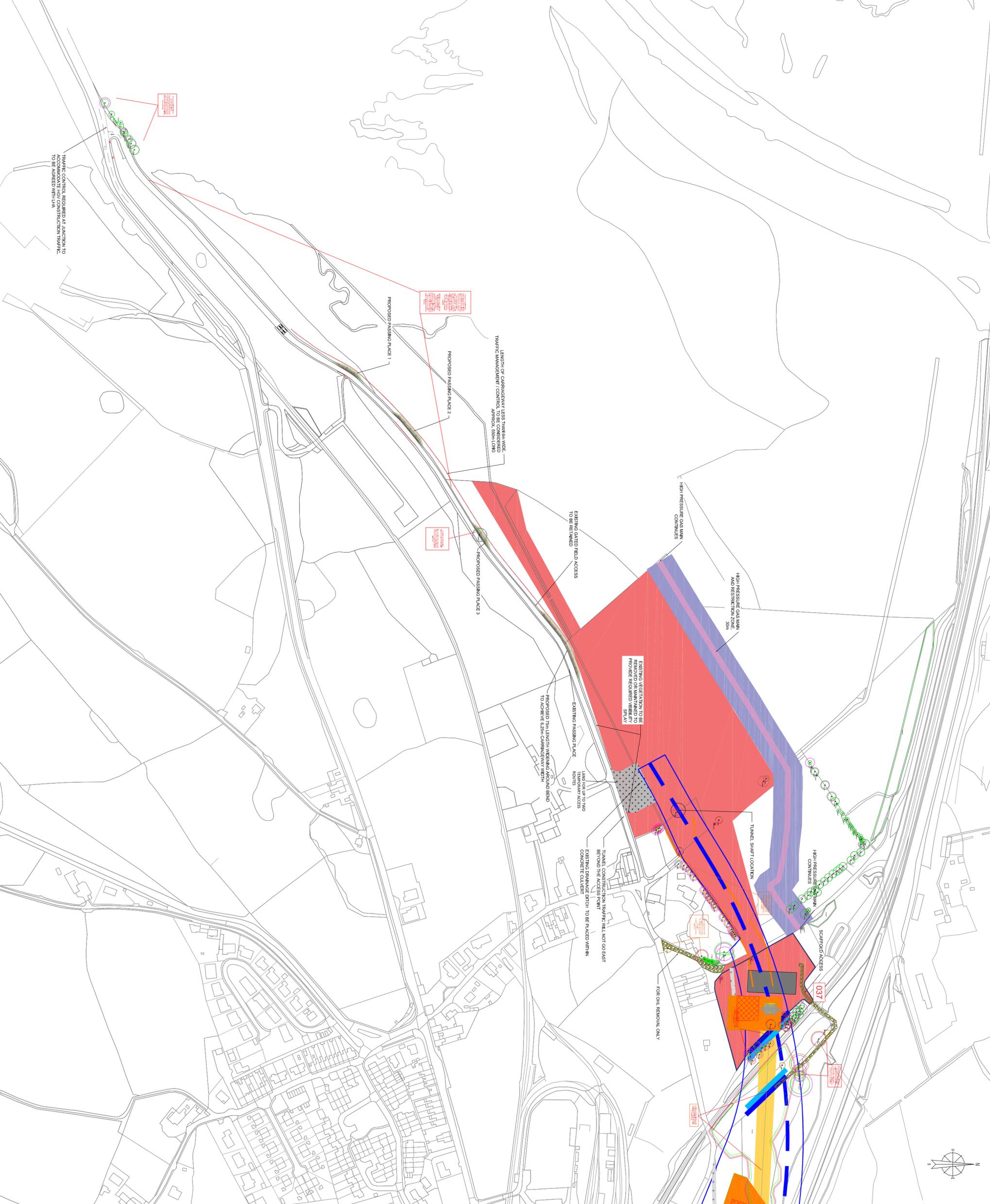
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Legend

- Tree Category A
- Tree Category B
- Tree Category C
- Tree Category U
- Root Protection Area
- Tree number
- Pylon number
- Proposed Tunnel route
- Tree Related
- Tree Removed
- Tree Impacted

| Rev. | Date | Amendment | Drawn | Chkd. | Appd. |
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| Drawn | Date | Checked | Date | Approved | Date |
|-------|--------|---------|--------|----------|--------|
| RF | 031219 | JB | 031219 | RF | 031219 |

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| Project No. | 888165 | Drawing File | 1 |
| Scale | A2 | Dimensions | METRES |
| Drawing No. | 4 | Rev. | 2 |

APPENDIX 1: METHOD

General

- On the site, data was recorded on paper forms and tree positions were recorded to a topographical survey.
- The site data was converted into an excel database. In instances where trees were not shown on the topographical survey, positions were estimated with the aid of fixed features on the site (tree positions plotted without topographical survey data should not be viewed as precisely accurate however).
- The data recorded included:
 - Height – estimated to the nearest metre or measured using true-pulse laser ace digital clinometer.
 - Diameter - measurements taken at 1.5 metres above ground level (complying with requirements for BS5837). Where multiple stems occurred below 1.5 m the measurement was taken as the point immediately above the root flare. Girth data was gathered using a metric diameter tape, callipers or estimated when access to stem was restricted.
 - Tree crown spread – estimated measurement of the four cardinal points to provide information to be used with the arboricultural constraints plan
 - Tree condition - judged visually using the guidelines produced in the report. The condition is indicated with the appropriate colour on the plan found in the report. (*Figure 1*)
 - Age class - estimated from an examination of the tree in question.

Age Classification

The following classification is employed:

Y - Young: Trees estimated to be under ten years old.

SM - Semi Mature: Trees yet to attain mature stature and estimated to be up to 25% of attainable age.

EM - Early Mature: Almost full height, seed bearing but crown still developing. Estimated to be up to 50% of attainable age.

M - Mature: Tree has reached full height and crown spread for species, seed bearing and over 50% of attainable age.

Estimated Remaining Contribution in Years

The estimated remaining contribution in years is an estimate based on currently known factors of the possible remaining life of the tree as an asset. Clearly, it is impossible to predict changes in condition which may occur in the future and this reflects what is considered reasonable under existing circumstances, the following classification is employed:

Category U: Death or removal is likely within less than 10 years

Category C: Death or removal is likely within 10-20 years.

Category B: Death or removal is likely within 20-40 years.

Category A: Death or removal is likely beyond 40 years

The estimated remaining contribution in years will be dependent on the interaction of the typical longevity of the species, its current age and condition with prevailing environmental factors. The estimated remaining contribution in years also dependent on future tree management that can extend useful life in some instances.

Tree Condition

The tree survey assessed the individual condition of all trees identified on the site. The assessment of condition is based on a visual and professional view.

The categories considered for physiological condition are good, fair, poor and dead.

Structural condition is also commented on and this will include such items of presence of decay and physical defects.

Trees are living organisms and their condition can change rapidly in response to environmental variables. Condition remarks refer to the date of survey and cannot be assumed to remain unchanged. While there is no such thing as a safe tree, regular inspection of trees is recommended to reduce the foreseeable risks associated with trees. There is currently no published guidance from the UK insurance industry on the frequency of tree inspections. In the German courts a bi-annual routine inspection is normally expected for older street trees, giving an indication of the rapidity of change in condition that can occur.

Tree Categorisation Using BS 5837 Methodology

The trees surveyed were categorised using the method explained in BS5837 Trees in Relation to Construction 2012. This method categorizes individual trees, groups and woodlands in a systematic way. Each tree, group or woodland is identified on an attached plan.

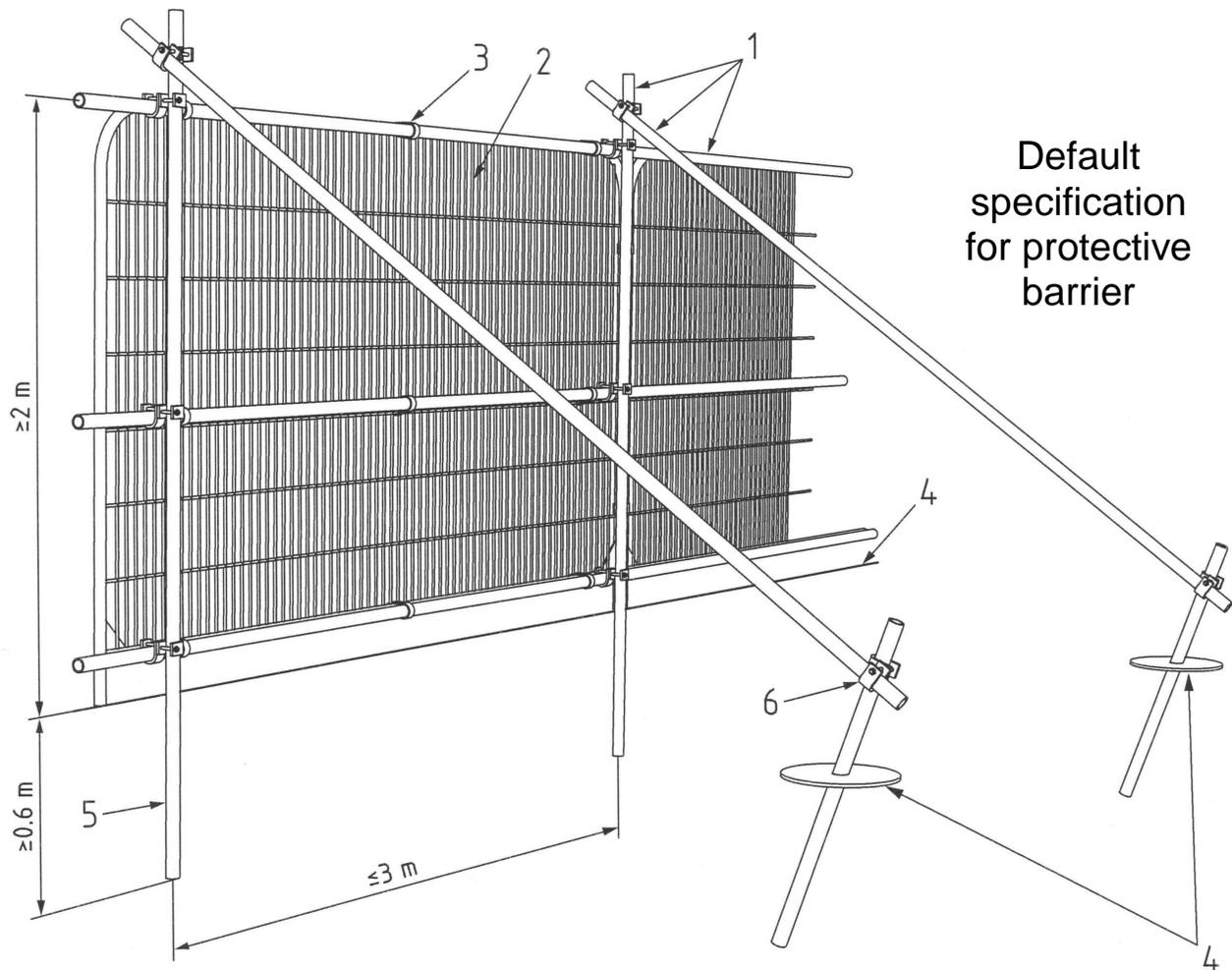
Groups are identified as those trees forming a single arboricultural feature with trees that provide companion shelter, are avenues or screens or cultural.

Initially the surveyor will determine if the tree should be regarded as a U category tree. U category trees are those that are low value trees that have little future due to physiological and structural condition.

Other trees are graded A, B or C. The initial category should reflect the tree's value in making an important contribution to the amenity of the site over a period of time - the higher the category the longer the perceived time period.

A sub category is included 1, 2 or 3. This sub category reflects the type of value the surveyor feels the tree presents in regards its value to 1 – arboricultural, 2 – landscape, 3 – cultural or conservation.

APPENDIX 2: SUGGESTED FENCE SPECIFICATIONS



Key

- 1 Standard scaffold pole
- 2 Heavy gauge 2m tall galvanised tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6m)
- 6 Standard scaffold clamps

BS 5837:2012
Default specification for protective barrier