

# **Regional Investment Programme**

## **A27 East of Lewes Improvements**

### **PCF Stage 3 – Arboriculture**

February 2019

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# A27 EAST OF LEWES IMPROVEMENTS

## PCF STAGE 3

## ARBORICULTURE

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# 1

## INTRODUCTION

### 1.1 INTRODUCTION

- 1.1.1 This report describes the outcome of the assessment of likely significant arboricultural effects arising from the scheme upon the existing baseline arboricultural resource.
- 1.1.2 This report describes the baseline arboricultural conditions within the study area, the mitigation measures required to prevent, reduce or offset any significant negative arboricultural effects and the likely residual effects after these measures have been employed.
- 1.1.3 This report (and its associated figures and appendices) is intended to be read as part of the wider environmental appraisal of the scheme.

## 2

## LEGISLATIVE AND POLICY FRAMEWORK

### 2.1.1

The various legislative, policy and guidance documents used to shape the assessment of arboricultural effects are outlined in table 2.1.

| TABLE 2.1 – LEGISLATION AND POLICY FRAMEWORK |   |
|--|---|
| LEGISLATION                                  | The Town and Country Planning (Tree Preservation) (England) Regulations 2012.   |
|  | Planning (Listed Buildings and Conservation Areas) Act 1990.  |
| POLICY                                       | National Planning Policy Framework  |
|  | Wealden Local Plan – Policy EA1: Biodiversity   |
|  | Wealden Local Plan – Policy EA4: Wealden's Landscape Character  |
|  | Wealden Local Plan – Policy SWGA36: Allocation Polegate North 1   |
| GUIDANCE                                     | Lewes District Council Local Plan: Part 1 – Joint Core Strategy 2010-2030 - Core Policy 10: Natural Environment and Landscape Character |
|  | British Standard BS 5837:2012 Trees in relation to design, demolition and construction – Recommendations                                |
|  | Ancient woodland, ancient trees and veteran trees: protecting them from development   |

### 2.1.2

Further detail on legislation and policy is provide in Appendix A.

# 3

## ASSESSMENT METHODOLOGY

- 3.1.1 This assessment has been undertaken in accordance with guidance provided within The Design Manual for Roads and Bridges. Volume 11: Environmental Assessment <sup>1</sup>. The significance of arboricultural effects has been identified using guidance provided within Table 2.4 of Section 2, Part 5.
- 3.1.2 Environmental values associated with the baseline resource are topic specific. Descriptions and criteria for these values are provided within Appendix A of this report.
- 3.1.3 This assessment identifies the arboricultural impacts and effects of the scheme during both construction and operation. For the purposes of this assessment construction is defined as the period during which all site clearance, development and soft-landscaping activities are taking place; operation is defined as 15 years after construction works have ceased.
- 3.1.4 This assessment takes the form of a simple assessment insofar as it seeks only to provide a basic understanding of the likely arboricultural effects associated with the scheme. It utilises only information which is readily available either as a desk-study or from a walkover survey.
- 3.1.5 Arboricultural effects have been identified on the basis that all relevant mitigation measures have been undertaken. Only significant effects will be discussed.
- 3.1.6 Significant effects are defined as those which affect nationally or locally important receptors. These include not only ancient or veteran trees and ancient woodland but also effects which are potentially important to local stakeholders in terms of public and private amenity. These effects may include impacts to protected trees or the loss of large numbers of very low-value features where this may affect the enjoyment of the area by residents or members of the travelling public. Significant arboricultural effects are those which should be considered as part of the design or decision-making process.

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<sup>1</sup> Highways Agency (2008).

# 4 ASSESSMENT ASSUMPTIONS AND LIMITATIONS

## 4.1 ASSUMPTIONS

4.1.1 This assessment has been undertaken based upon the following assumptions:

- That all arboricultural features located directly within the footprint of the scheme will need to be removed and that it will not be possible to amend the design to accommodate individual arboricultural features.
- That it will not be possible to utilise specialist construction techniques which permit the construction of hard surfacing whilst preserving underlying roots. Therefore, roots which exist beneath areas of proposed hard surfacing will be removed.
- That proposed hard surfacing can be constructed from within its own footprint and that where it passes through treed areas there will not be a requirement for additional space to facilitate construction.
- That in instances where a substantial proportion of a tree group or wooded area is to be removed then the remaining portion will become potentially susceptible to uprooting and collapse during high winds or extreme adverse weather events. In these situations, the remaining part of the tree group or wooded area has been identified as unsustainable and has also been identified as needing to be removed.
- That all arboricultural features identified for retention can be sustainably protected during construction period and can therefore be retained.

## 4.2 LIMITATIONS

4.2.1 The following limitations apply to this assessment:

- Arboricultural survey data has been compiled following a walkover of the study area and has been produced without the benefit of a comprehensive topographical survey which identifies the precise location of every tree stem within the arboricultural study area. The location and extent of arboricultural features not included on currently available topographical survey data is therefore approximate only. The precise location and extent of these features may be subject to modification should a more detailed survey with the benefit of topographical data be undertaken.
- Land access restrictions at the time of the arboricultural survey mean that not all areas of the study area could be safely accessed. Arboricultural features within land where no access was granted have only been recorded where they could be viewed from a position of safety. The identified baseline arboricultural resource therefore contains gaps the location of which are identified in Appendices
- The assessment has been undertaken without the benefit of a detailed design. Design information relating to items such as signs, fences, underground services, ancillary structures and permanent access routes. Features such as these may all require additional tree removal which has not been considered at this stage.
- No information identifying the working space required to construct the scheme has been provided. Working space requirements greater or smaller than those which have been assumed may increase or decrease the number and area of arboricultural features which have been identified as needing to be removed.

# 5

## STUDY AREA

- 5.1.1 The study area has been defined as the area within which arboricultural features may be impacted by the scheme and comprises of the scheme Footprint plus a buffer of up to 15 metres<sup>2</sup>. The purpose of the buffer is to ensure that arboricultural features which are outside the footprint of the scheme but whose root protection areas extend into the developable area are recorded and considered.
- 5.1.2 The extent of the study area has been adjusted to account for obvious constraints to the growth of tree roots which align with, or occur within 15 metres, of the edge of the Site. In instances where an obvious constraint to the lateral spread of roots occurs then the study area has been amended to exclude land beyond this feature.
- 5.1.3 The extent of the arboricultural study is shown in the Figures included within Appendix E and Appendix F of this report.

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<sup>2</sup> British Standard BS 5837:2012 Clause 4.6

# 6

## BASELINE CONDITIONS

### 6.1 DESK STUDY

- 6.1.1 The desk study confirmed the presence of two Tree Preservation Orders (TPOs), one conservation area and a single veteran tree within the arboricultural study area. It further confirmed the absence of any notable or ancient trees and ancient woodland.

#### TREE PRESERVATION ORDERS

- 6.1.2 The arboricultural features listed in Table 6.1 have been identified as being afforded statutory protection by virtue of a TPO. A copy of the 'maps' included within, or annexed to, the Orders and which identifies the location of the protected features is included within Appendix C of this report.

**TABLE 6.1 - ARBORICULTURAL FEATURES COVERED BY A TPO**

| TPO NAME              | REFERENCE NUMBER                   |
|-----------------------|------------------------------------|
| TPO No. 35, 1988 (W2) | G197 (part), G198 (part)           |
| TPO No. 35, 1988 (W3) | Un-surveyed tree group/wooded area |
| TPO No. 52, 1990 (W1) | Un-surveyed tree group/wooded area |

- 6.1.3 There are two TPOs which cover arboricultural features within the study area. These include TPO No. 35, 1988 which comprises four separate woodland areas two of which are of relevance to this report. Woodland area W2 includes the easternmost end of tree groups G197 and G198 whilst woodland area W3 includes an un-surveyed tree group/wooded area immediately east of Milton Street and to the north of the A27 Lewes Road.
- 6.1.4 Tree Preservation Order No. 52, 1990 comprises of a single woodland area (W1) and also covers an un-surveyed tree group/wooded area. This TPO protects trees to the east of Thornwell Road and along the western frontage of Crossways House.
- 6.1.5 Both TPOs specify the protected trees as 'woodlands'. This means that the Order protects all trees irrespective of age or species. Importantly it protects trees and saplings which grow or are planted after the Order is made. All trees within these three woodland areas are therefore the subject of statutory control.

#### CONSERVATION AREAS

- 6.1.6 The arboricultural features listed in Table 6.2 have been identified as being afforded statutory protection by virtue of their location within a designated conservation area. A plan showing the location and extent of the conservation area is included within Appendix C of this report.

**TABLE 6.2 - ARBORICULTURAL FEATURES LOCATED WITHIN A CONSERVATION AREA**

| REFERENCE NUMBER       | CONSERVATION AREA NAME      |
|------------------------|-----------------------------|
| G163, G164, G165, G166 | Selmeston Conservation Area |

- 6.1.7 The southern end of the Selmeston Conservation Area crosses the arboricultural study area at the junction between the A27 Lewes Road and The Street. The Selmeston Conservation Area



encompasses four tree groups all of which comprise of trees of sufficient size to be afforded statutory protection.

## VETERAN TREES

- 6.1.8 The arboricultural features listed in Table 6.3 have been identified as potential veteran specimens.

| TABLE 6.3 – POTENTIAL VETERAN TREES |         |
|-------------------------------------|---------|
| SPECIES                             | STATUS  |
| Cornish Elm                         | Veteran |

- 6.1.9 A single veteran tree was identified during the desk study. This tree is recorded as a Cornish elm (*Ulmus minor* var. *cornubiensis*) and includes location data which puts it some distance outside the study area and within the bounds of an adjacent arable field. On the basis that aerial photography showed no evidence of a tree within the arable field and that its location was described as 'roadside' it is considered likely that this tree is positioned within tree group G158.
- 6.1.10 A veteran tree is one that possesses the physical characteristics of an ancient tree but which is not aged in comparison with other trees of the same species. Thus, a veteran tree may not necessarily be particularly old but, due to the rigours of life, may exhibit signs of ancientness. The main characteristics of a veteran tree include one or more of the following features:
- A large stem diameter (girth)
  - Major trunk cavities or progressive hollowing
  - Decay holes
  - Physical damage to the stem
  - Bark loss
  - Major dead wood
  - Bark crevices and sap runs
- 6.1.11 Veteran trees are of considerable interest due to their cultural, historical, landscape and conservation values. These values mean that they should automatically be assigned category A3 when undertaking a value assessment in accordance with BS 5837:2012 Table 1. The ability of such trees to provide many important benefits even if not alive means that this assessment criterion should apply whether physiologically declining or dead.
- 6.1.12 For the purposes of this report veteran trees are regarded as high value features and form part of a finite resource which is of national importance.

## 6.2 SITE VISIT / SURVEY

- 6.2.1 A total of 213 arboricultural features were surveyed details of which are provided within the Arboricultural Survey Schedule included in Appendix D of this report. A summary of the surveyed features including their category and designation is provided in Table 6.4.

| TABLE 6.4 – SUMMARY OF ARBORICULTURAL FEATURES IDENTIFIED DURING THE WALKOVER SURVEY |                    |       |            |              |        |
|--|--------------------|-------|------------|--------------|--------|
| BS 5837 Category   | Value <sup>3</sup> | Trees | Tree Group | Wooded Areas | Hedges |
| A  | High               | 0     | 0          | 0            | 0      |
| A  | Medium             | 28    | 1          | 2            | 0      |
| B  | Low                | 33    | 22         | 16           | 0      |
| C/U  | Very Low           | 36    | 62         | 1            | 12     |
| Total  |                    | 97    | 85         | 19           | 12     |

## HIGH VALUE ARBORICULTURAL FEATURES

- 6.2.2 No high value arboricultural features were identified during the arboricultural survey. A single veteran Cornish elm identified as part of the desk study could not be located and was therefore not recorded. This tree is potentially located within tree group G158 and is on an area of land which could not be safely accessed during the survey.
- 6.2.3 Given the susceptibility of elm trees (*Ulmus* spp.) to infection with Dutch elm disease (*Ophiostoma novo-ulmi*) it is possible that this tree has succumbed to this disease and has subsequently been removed. Alternatively, the absence of any direct access to the area within which the tree is potentially located means that it couldn't be seen from the south-western side of the A27 Lewes Road and therefore remains simply unrecorded.
- 6.2.4 Two areas of ancient woodland were also confirmed as being located outside of the arboricultural study area and were therefore not recorded. These features, identified in the Figures included within Appendix E and Appendix F and will not be impacted by the scheme with works occurring outside the recommended 15-metre buffer of semi-natural vegetation.

## MEDIUM VALUE ARBORICULTURAL FEATURES

- 6.2.5 A total of 31 medium value arboricultural features were recorded during the arboricultural survey. These include 28 individual trees, one tree group and two wooded areas. Medium value features make up approximately 15% of the baseline arboricultural resource to include 29% of trees and around one percent of tree groups and ten percent of wooded areas.
- 6.2.6 Medium value features comprise of mainly native species including beech (*Fagus sylvatica*), oak (*Quercus robur*), yew (*Taxus baccata*) with occasional non-native or naturalised species such as Corsican pine (*Pinus nigra* ssp. *Laricio*), horse chestnut (*Aesculus hippocastanum*) and sycamore (*Acer pseudoplatanus*). Medium value features have an estimated remaining lifespan in excess of 40 years, an average stem diameter of 880 millimetres and have been valued on their arboricultural and/or landscape merits.
- 6.2.7 Of the 31 medium value trees identified 18 of these have been recorded as notable specimens and include T20, T27, T28, T36, T38, T39, T40, T41, T42, T43, T87, T88, T91, T92, T94, T98, T111 and T112. Notable trees are generally recorded as such based upon their maturity, size (height and/or girth) and importance within the local environment. Notable trees do not necessarily have to be particularly old and nor do they have to exhibit any veteran characteristics.

<sup>3</sup> Refer to Table A1, Appendix A

- 6.2.8 The arboricultural and landscape values associated with notable trees mean that they should automatically be assigned category A1 or A2 when undertaking a value assessment in accordance with BS 5837 Table 1. For the purposes of this report notable trees are regarded as high value features and form part of a finite resource which is of local importance.

### LOW VALUE ARBORICULTURAL FEATURES

- 6.2.9 A further 71 low value arboricultural features have been recorded including 33 individual trees, 22 tree groups and 16 wooded areas. Low value features make up 34 percent of the baseline arboricultural resource including 34 percent of trees, 27 percent of tree groups and 84 percent of wooded areas.
- 6.2.10 Low value tree groups and wooded areas consist almost exclusively of native species such as ash (*Fraxinus excelsior*), hawthorn (*Crataegus monogyna*), blackthorn (*Prunus spinosa*), hornbeam (*Carpinus betulus*), willow (*Salix* spp.), yew, alder (*Alnus glutinosa*), hazel (*Corylus avellane*), apple (*Malus* spp.) and holly (*Ilex aquifolium*). Occasional non-native species such as Lombardy poplar (*Populus nigra* var. 'Italica'), Leyland cypress (*Chamaecyparis leylandii*) and tulip tree (*Liriodendron tulipifera*) occur as part of tree groups or as individual specimens.
- 6.2.11 Low value features have an estimated retention span in excess of 20 years, an average stem diameter of 494 millimetres and have been valued primarily on their landscape and visual merits.

### VERY LOW VALUE ARBORICULTURAL FEATURES

- 6.2.12 Very low value arboricultural features make up approximately 50% percent of the baseline arboricultural resource and include 36 individual trees, 62 tree groups, 12 hedges and a single wooded area. This equates to 37 percent of individual trees, 72 percent of tree groups, five percent of wooded areas and 100 percent of hedges.
- 6.2.13 Very low value arboricultural features are formed from a range of species including those which are native, naturalised and ornamental. Whilst some species relate to trees with the potential to grow to become medium to large specimens (such as ash, sycamore and willow) other generally smaller species such as apple, elder (*Sabucus nigra*) and cherry also appear in noteworthy numbers. Blackthorn and hawthorn together with elm (*Ulmus* spp.) and field maple (*Acer campestre*) are the most common hedgerow species.
- 6.2.14 Very low value arboricultural features have an average stem diameter of 260 millimetres and an average height of eight metres. Except for wooded areas, most features have an estimated retention span in excess of ten years. Wooded areas have an estimated retention span in excess of 40 years as a reflection of their ability to sustain natural regeneration and thus continuity as an identifiable arboricultural unit.
- 6.2.15 Very-low value arboricultural features include two tree groups (G197 and G198) which are protected in part by Tree Preservation Order No. 35, 1988 and a further four trees groups (G163, G164, G165 and G166) which are afforded statutory protection due to their location within the Selmeston Conservation Area.

## 6.3 FUTURE BASELINE

- 6.3.1 Trees and woodlands within the United Kingdom are currently under threat from a range of different environmental factors including pests, diseases and the effects of climate change. Resilience to threats at a population level can be achieved by ensuring that there is a diverse range of species present, that trees are adequately represented in all age groups from young to old and that those present are well suited to local environmental conditions.

- 6.3.2 Analysis of the species composition associated with individual trees indicates that oak is the most common species present (34%) followed by ash (24%) and horse chestnut (16%). There are 16 other species recorded none of which extend to include more than 3.8% of the individual tree population. Data associated with tree groups and wooded areas is harder to accurately analyse due varying species composition. However, general observation indicates that whilst there is a greater diversity of species, ash appears to be the dominant species.
- 6.3.3 Whilst the baseline arboricultural resource does offer a degree of diversity in terms of age and species this is somewhat limited in certain respects. Specifically, this includes a heavy reliance upon ash trees as a significant constituent within tree groups, wooded areas and as standalone individual specimens.
- 6.3.4 Given the likely long-term impacts associated with diseases such as Chalara dieback of ash (*Hymenoscyphus fraxineus*) it would be reasonable to assume that this disease will have some detrimental impact on the future value of the baseline arboricultural resource. Whether this impact is significant will depend on several factors including the genetic resistance of the local ash trees to the disease and the ability of other tree species to self-seed or grow such that they replace any ash that die or become severely diseased.
- 6.3.5 It is anticipated that Chalara dieback of ash will result in the loss of many ash trees from within the study area and this in turn will lead to a short to medium term reduction in the overall quality and value of the baseline arboricultural resource. However, in the absence of their being any other significant outbreaks of disease affecting other native tree species then this potentially adverse effect will most likely decline over the long-term as other trees increase in both numbers and size.

# 7 POTENTIAL IMPACTS

## 7.1 CONSTRUCTION PHASE

7.1.1 Potential arboricultural impacts during construction have been identified with reference to British Standard BS 5837:2012 *Trees in relation to design, demolition and construction – Recommendations* (hereafter referred to as BS 5837:2012). Potential impacts during construction are wholly adverse and have been identified as including the following:

- The removal of arboricultural features to facilitate construction
- Damage to retained trees resulting from:
  - Severance of roots caused by excavation
  - Damage to soil and roots caused by compaction
  - Damage to soil and roots caused by pollutants and contaminated surface run-off
  - The smothering of trees due to significant accumulations of dust
  - The inappropriate pruning of trees to facilitate access.

### REMOVAL OF ARBORICULTURAL FEATURES

7.1.2 Implementation of the scheme will require the removal and partial removal of arboricultural features as identified in Table 7.1. The arboricultural features identified for removal are identified in the Figures included within Appendix F of this report.

| TABLE 7.1 – ARBORICULTURAL FEATURES TO BE RETAINED, REMOVED AND PARTIALLY REMOVED |                     |                           |                          |                          |
|---|---------------------|---------------------------|--------------------------|--------------------------|
| FEATURE   | SENSITIVITY (VALUE) | RETAIN                    | REMOVE                   | PARTIALLY REMOVE         |
| TREE  | Medium              | 23                        | 5                        | Not applicable           |
|   | Low                 | 20                        | 13                       | Not applicable           |
|   | Very Low            | 25                        | 11                       | Not applicable           |
| TREE GROUP  | Medium              | 1 (79.5m <sup>2</sup> )   | 0                        | 0                        |
|   | Low                 | 12 (17985m <sup>2</sup> ) | 4 (8517m <sup>2</sup> )  | 6 (2348m <sup>2</sup> )  |
|   | Very Low            | 38 (3300m <sup>2</sup> )  | 4 (843m <sup>2</sup> )   | 19 (4347m <sup>2</sup> ) |
| WOODED AREA   | Medium              | 1 (13839m <sup>2</sup> )  | 0                        | 1 (2213 m <sup>2</sup> ) |
|   | Low                 | 6 (58297m <sup>2</sup> )  | 2 (12614m <sup>2</sup> ) | 8 (7559 m <sup>2</sup> ) |
|   | Very Low            | 1 (1744m <sup>2</sup> )   | 0                        | 0                        |
| HEDGE   | Very Low            | 9 (2192 linear metres)    | 2 (306 linear metres)    | 1 (10.6 linear metres)   |

7.1.3 In summary implementation of the scheme will require the removal of five medium value, 13 low value and 11 very-low value trees. It will further require the loss of 1.87ha of low value and 0.52ha of very-low value tree groups, 0.22ha of medium and 2.02ha of low value wooded areas as well as 316.6 linear metres of very-low value hedge.

## 7.2 OPERATIONAL PHASE

7.2.1 Potential arboricultural impacts associated with the operation of the scheme are likely to be wholly beneficial and have been identified as including the following:

- The creation of opportunities for the planting of new arboricultural features either as individuals, tree groups, wooded areas and hedges.
- The benefits associated with new planting may include:
  - Opportunities to improve species diversity
  - Opportunities to increase age diversity
  - Opportunities to select tree species which are more suited to current and predicted environmental conditions.
- Potentially beneficial impacts include the opportunity to build resilience to pests, disease and climate change into the arboricultural resource. Improved resilience to these factors will reduce the likelihood that the value of the arboricultural resource will become significantly reduced by a future outbreak of pests or disease or extreme weather event. This will assist in ensuring that the arboricultural features continues to provide valuable ecosystem services and public amenity over the medium and long term.

7.2.2 A general assessment of current landscape mitigation indicates that opportunities exist for the establishment of 305 individual trees, 2.3ha of new tree groups, 10ha of wooded areas and 11,274 linear metres of hedgerow.

7.2.3 It is envisaged that at the time of operational assessment landscape, mitigation planting will have become established and new landscape features will have attained a size whereby they possess a degree of arboricultural and visual interest. However, given that most trees take several decades to achieve maturity this is unlikely to be substantial meaning that the overall value of any mitigatory planting is unlikely to exceed that which can best be described as 'very-low'.

## 7.3 SIGNIFICANCE OF ARBORICULTURAL IMPACTS

7.3.1 A description of the significance of likely arboricultural impacts during construction and operation is provided in Table 7.2.

| TABLE 7.2 – ARBORICULTURAL EFFECTS  |                |                       |                     |                         |   |
|---|----------------|-----------------------|---------------------|-------------------------|---|
| EFFECT  | RECEPTOR       | POSITIVE/<br>NEGATIVE | DIRECT/<br>INDIRECT | TEMPORARY<br>/PERMANENT | SIGNIFICANCE<br>(VERY LARGE –<br>NEUTRAL) |
| <b>CONSTRUCTION</b>   |                |                       |                     |                         |   |
| <b>REMOVAL OF<br/>INDIVIDUAL<br/>TREES</b>  | Medium value   | Adverse               | Direct              | Permanent               | Slight                                    |
|   | Low value      | Adverse               | Direct              | Permanent               | Slight                                    |
|   | Very low value | Adverse               | Direct              | Permanent               | Slight                                    |
| <b>REMOVAL OF<br/>TREE GROUP</b>  | Low value      | Adverse               | Direct              | Permanent               | Slight                                    |
|   | Very low value | Adverse               | Direct              | Permanent               | Slight                                    |
| <b>REMOVAL OF<br/>WOODED<br/>AREA</b>   | Medium value   | Adverse               | Direct              | Permanent               | Slight                                    |
|   | Low value      | Adverse               | Direct              | Permanent               | Slight                                    |
| <b>REMOVAL OF<br/>HEDGE</b>   | Very low value | Adverse               | Direct              | Permanent               | Neutral                                   |
| <b>OPERATION</b>  |                |                       |                     |                         |   |
| <b>PLANTING OF<br/>INDIVIDUAL<br/>TREES, TREE<br/>GROUPS,<br/>WOODED<br/>AREAS AND<br/>HEDGES</b> | Very Low value | Beneficial            | Direct              | Permanent               | Slight                                    |

- 7.3.2 Two very-low value tree groups (G163 and G164) which are located within the Selveston Conservation Area have been identified as requiring partial removal. These very-low value groups are of limited visual amenity value and contribute only marginally towards the character of the conservation area. It is considered unlikely that the partial removal of these features will have a detrimental impact on the overall value of the conservation area.. Current landscape mitigation proposals seek to establish a short section of species rich hedgerow with trees within the area within which tree groups will be removed thereby ensuring that any adverse impacts are likely to be temporary. Arboricultural features protected by a TPO will remain unaffected by the scheme
- 7.3.3 The scheme complies with the National Planning Policy Framework, Wealden Local Plan Policy EA1 and Lewes District Council Local Plan Core Policy 10 insofar as their will be no detrimental impacts to ancient woodland. Compliance with standing advice from The Forestry Commission and Natural England is also achievable on the basis that a 15-metre semi-natural buffer can be maintained between the scheme and identified areas of ancient woodland.
- 7.3.4 Opportunities for compliance with other local planning policies in the form of the Wealden Local Plan Policy EA4 and SWGA36 together with parts of the Lewes District Council Local Plan Core Policy 10 should be discussed with the relevant Council's. Compliance with these policies is likely to include not only the retention of existing arboricultural features but also the creation of new features in the form of landscape mitigation planting.



# 8

## DESIGN, MITIGATION AND ENHANCEMENT MEASURES

### 8.1.1

A summary of all the design, mitigation and enhancements measures are outlined in Table 8.1

| TABLE 8.1 – DESIGN, MITIGATION AND ENHANCEMENT MEASURES                  |   |                      |                          |
|--|---|----------------------|--------------------------|
| MEASURE  | DESCRIPTION   | MECHANISM/<br>TIMING | RESPONSIBILITY           |
| <b>ARBORICULTURAL SURVEY</b>   | Arboricultural survey, with the benefit of topographical mapping showing all stems over 150mm diameter, in all areas where arboricultural features may be impacted by the scheme.   | Detailed Design      | Lead Designer            |
| <b>IDENTIFY EXACT EXTENTS OF SITE CLEARANCE AND VEGETATION RETENTION</b> | <p>Accurately plot arboricultural features including crowns and root protection areas. Identify features which can be sustainably retained taking account of all design elements and contractor's working requirements.</p> <p>Consider use of special construction methods to limit extent of removals.</p> <p>Consider localised amendments to design to enable retention of medium and low value arboricultural features.</p> <p>This measure will be undertaken in consultation with the South Downs National Park Authority Tree Officer</p> | Detailed Design      | Lead Designer/Contractor |
| <b>ARBORICULTURAL METHOD STATEMENT AND TREE PROTECTION PLAN</b>          | Identify tree protection measures to ensure sustainable retention of arboricultural features  | Detailed Design      | Lead Designer            |
| <b>LANDSCAPE MITIGATION</b>  | Consider arboricultural impacts when identifying landscape mitigation measures. Where practicable include tree planting capable of mitigating significant arboricultural impacts.   | Detailed Design      | Lead Designer            |
| <b>IMPLEMENTATION OF ARBORICULTURAL PROTECTION MEASURES</b>              | Implement arboricultural protection measures as specified in the Arboricultural Method Statement and Tree Protection Plan.  | Construction         | Contractor               |
| <b>IMPLEMENT LANDSCAPE MITIGATION</b>                                    | Implement tree planting to mitigate significant arboricultural impacts.   | Construction         | Contractor               |



## 8.2

### ASSESSMENT OF LIKELY SIGNIFICANT EFFECTS

| EFFECT                               | RECEPTOR     | ASSESSMENT OF EFFECT  |                  |  |   | MITIGATION   |                        |                | RESIDUAL EFFECT       |                     |
|--------------------------------------|--------------|-----------------------|------------------|--|---|--|------------------------|----------------|-----------------------|---------------------|
|                                      |              | Positive/<br>Negative | Direct/ Indirect | Long term/<br>medium short<br>term/<br>Temporary<br>/Permanent | Significance<br>(Very large –<br>neutral) | Description  | Mechanism/<br>Timing   | Responsibility | Positive/<br>Negative | Significance        |
| Construction Phase                   |              |                       |                  |  |   |  |                        |                |                       |                     |
| Removal<br>of<br>Individual<br>Trees | Medium value | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | Remove<br>features to<br>facilitate<br>construction /<br>Protection of<br>retained<br>features | During<br>Construction | Contractor     | Negative              | Minor adverse       |
|                                      | Low value    | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | Remove<br>features to<br>facilitate<br>construction /<br>Protection of<br>retained<br>features | During<br>Construction | Contractor     | Negative              | Moderate<br>adverse |

| EFFECT                | RECEPTOR       | ASSESSMENT OF EFFECT  |                  |  |   | MITIGATION   |                      |                | RESIDUAL EFFECT       |                  |
|-----------------------|----------------|-----------------------|------------------|--|---|--|----------------------|----------------|-----------------------|------------------|
|                       |                | Positive/<br>Negative | Direct/ Indirect | Long term/<br>medium short<br>term/<br>Temporary<br>/Permanent | Significance<br>(Very large –<br>neutral) | Description  | Mechanism/<br>Timing | Responsibility | Positive/<br>Negative | Significance     |
|                       | Very low value | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | Remove features to facilitate construction / Protection of retained features | During Construction  | Contractor     | Negative              | Moderate adverse |
| Removal of tree group | Low value      | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | Remove features to facilitate construction / Protection of retained features | During Construction  | Contractor     | Negative              | Moderate adverse |
|                       | Very low value | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | Remove features to facilitate construction / Protection of retained features | During Construction  | Contractor     | Negative              | Minor adverse    |

| EFFECT                       | RECEPTOR          | ASSESSMENT OF EFFECT  |                  |  |   | MITIGATION   |                        |                | RESIDUAL EFFECT       |                     |
|------------------------------|-------------------|-----------------------|------------------|--|---|--|------------------------|----------------|-----------------------|---------------------|
|                              |                   | Positive/<br>Negative | Direct/ Indirect | Long term/<br>medium short<br>term/<br>Temporary<br>/Permanent | Significance<br>(Very large –<br>neutral) | Description  | Mechanism/<br>Timing   | Responsibility | Positive/<br>Negative | Significance        |
| Removal<br>of wooded<br>area | Medium value      | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | Remove<br>features to<br>facilitate<br>construction /<br>Protection of<br>retained<br>features | During<br>Construction | Contractor     | Negative              | Minor adverse       |
|                              | Low value         | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | Remove<br>features to<br>facilitate<br>construction /<br>Protection of<br>retained<br>features | During<br>Construction | Contractor     | Negative              | Moderate<br>adverse |
| Removal<br>of hedge          | Very low<br>value | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | Remove<br>features to<br>facilitate<br>construction /<br>Protection of<br>retained<br>features | During<br>Construction | Contractor     | Negative              | Minor adverse       |

| EFFECT                               | RECEPTOR          | ASSESSMENT OF EFFECT  |                  |  |   | MITIGATION                          |                       |                | RESIDUAL EFFECT       |                        |
|--------------------------------------|-------------------|-----------------------|------------------|--|---|-------------------------------------|-----------------------|----------------|-----------------------|------------------------|
|                                      |                   | Positive/<br>Negative | Direct/ Indirect | Long term/<br>medium short<br>term/<br>Temporary<br>/Permanent | Significance<br>(Very large –<br>neutral) | Description                         | Mechanism/<br>Timing  | Responsibility | Positive/<br>Negative | Significance           |
| Operational Phase                    |                   |                       |                  |  |   |                                     |                       |                |                       |                        |
| Removal<br>of<br>Individual<br>Trees | Medium value      | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | None                                | N/A                   | N/A            | Negative              | Minor adverse          |
|                                      | Low value         | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | None                                | N/A                   | N/A            | Negative              | Moderate<br>adverse    |
|                                      | Very low<br>value | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | Landscape<br>mitigation<br>planting | Post-<br>Construction | Contractor     | Positive              | Moderate<br>beneficial |
| Removal<br>of tree<br>group          | Low value         | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | None                                | N/A                   | N/A            | Negative              | Moderate<br>adverse    |
|                                      | Very low<br>value | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | Landscape<br>mitigation<br>planting | Post-<br>Construction | Contractor     | Positive              | Major<br>beneficial    |

| EFFECT                       | RECEPTOR          | ASSESSMENT OF EFFECT  |                  |  |   | MITIGATION                          |                       |                | RESIDUAL EFFECT       |                     |
|------------------------------|-------------------|-----------------------|------------------|--|---|-------------------------------------|-----------------------|----------------|-----------------------|---------------------|
|                              |                   | Positive/<br>Negative | Direct/ Indirect | Long term/<br>medium short<br>term/<br>Temporary<br>/Permanent | Significance<br>(Very large –<br>neutral) | Description                         | Mechanism/<br>Timing  | Responsibility | Positive/<br>Negative | Significance        |
| Removal<br>of wooded<br>area | Medium value      | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | None                                | N/A                   | N/A            | Negative              | Minor adverse       |
|                              | Low value         | Negative              | Direct           | Long term /<br>Permanent                                       | Moderate                                  | None                                | N/A                   | N/A            | Negative              | Moderate<br>adverse |
| Removal<br>of hedge          | Very low<br>value | Negative              | Direct           | Long term /<br>Permanent                                       | Minor                                     | Landscape<br>mitigation<br>planting | Post-<br>Construction | Contractor     | Positive              | Major<br>beneficial |

## 9 CONCLUSIONS

- 9.1.1 The baseline arboricultural resource comprises predominately of low and very low value features. A small number of moderate quality features exist the majority of which are individual trees identified as notable based upon their age and size. No high value arboricultural features were identified within the study area during the walkover survey although the desk study indicates that a veteran tree may be present in an area where it will remain unaffected by the scheme.
- 9.1.2 Whilst several arboricultural features protected by TPOs will remain unaffected by the scheme there will be a requirement to partly remove two very low value tree groups from within the Selmeston Conservation Area. These tree groups do not contribute meaningfully to the character of the Conservation Area and as such their removal should not significantly degrade its value.
- 9.1.3 The scheme does not adversely impact upon important arboricultural features such as ancient woodland or veteran and ancient trees and in this respect, complies with relevant national and local planning policies and standing advice. Compliance with other more general planning requirements where they relate to arboricultural features is a matter for discussion with the relevant Council's and will most likely require both tree retention and landscape mitigation planting.
- 9.1.4 Potential impacts during construction are adverse and are directly related to tree removals and other possible damage to the above and below ground parts of retained trees. Potential impacts during operation are wholly beneficial and relate to benefits which can be provided through the implementation of appropriate landscape mitigation planting. These include increased diversity in terms of species and age and opportunities to ensure trees are well suited to their environment.
- 9.1.5 At the time of construction there will be moderate adverse effects associated with the loss of low value trees, tree groups and wooded area as well as very low value trees. Minor adverse effects will occur in relation to medium value trees and wooded areas as well as very low value tree groups and wooded areas. Effects at the time of construction will not be mitigated by landscape planting as newly planted trees will have no arboricultural, landscape or cultural value.
- 9.1.6 During the operational phase adverse effects associated with the loss of medium and low value trees, tree groups and wooded areas will remain unchanged. However, the implementation of appropriate landscape mitigation planting has the capacity to provide beneficial effects in terms of very-low value features. In this instance there will be major beneficial effects associated with hedges, medium beneficial impacts associated with individual trees and tree groups.
- 9.1.7 Residual adverse effects will continue to decline over time as landscape mitigation planting matures, increases in size and amenity value and starts to replicate the values associated with low value arboricultural features. Residual adverse effects which relate to the initial removal of low value trees, tree groups and woodlands will therefore keep declining throughout the lifetime of the scheme.
- 9.1.8 It is unlikely that there will be any reduction in the adverse effects associated with the loss of medium value trees and wooded areas. These features include trees which have taken many decades to grow and whose amenity value is directly related to their age in terms of size, appearance, cultural value and conservation benefits. Whilst new tree planting may one day replace these features this will take considerably longer than the anticipated lifespan of the scheme.

# 10 GLOSSARY AND REFERENCES

| TERM                            | DEFINITION   |
|---------------------------------|--|
| Ancient Tree                    | A tree that has passed beyond maturity and is old, or aged, in comparison with trees of the same species. Characterised by biological, cultural or aesthetic features of interest. |
| Ancient Woodland                | Any wooded area that has been continuously wooded since 1600 AD  |
| Arboricultural Method Statement | A methodology for the implementation of any aspect of development which is within the root protection area, or has the capacity to adversely affect, any retained tree.            |
| Arboriculturist                 | A person who has, through relevant education, training or experience, gained expertise in the field of trees in relation to construction.  |
| Construction Exclusion Zone     | An area within which all site clearance and construction activities, access and storage of materials are prohibited.   |
| Crown                           | The upper part of a tree, measured from the lowest branch, including all branches and foliage.   |
| Notable Tree                    | A tree that is very large but might not qualify as ancient or veteran.   |
| Scheme                          | All works associated with the proposed development of the Site   |
| Root Protection Area            | Layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's vitality.                                |
| Tree Protection Plan            | A scale drawing based upon finalised proposals showing trees for retention and illustrating the tree protection measures.  |
| Veteran Tree                    | A tree that has the biological or aesthetic characteristics of an ancient tree but is not ancient in years compared with others of the same species.                               |

# Appendix A

LEGISLATIVE AND POLICY GUIDANCE



## LEGISLATIVE FRAMEWORK

Legislation of specific relevance to this report is outlined below:

### TREE PRESERVATION ORDERS

The Town and Country Planning Act 1990 places a duty upon local planning authorities to make provision for the preservation and planting of trees when granting permission for new development<sup>4</sup>. It also affords local planning authorities with the power to make a Tree Preservation Order (TPO) where it is expedient in the interests of amenity to make provision for the preservation of trees and woodlands<sup>5</sup>.

### PURPOSE OF A TPO

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The purpose of a TPO is to protect specific trees, groups of trees and woodlands for the purpose of amenity. In the Secretary of State's view 'Orders should be used to protect trees and woodlands if their removal would have a significant negative impact on the local environment and its enjoyment by the public'<sup>6</sup>.

A TPO does not prevent the removal of trees in order to implement development. It does however prevent their unauthorised removal and ensures that they can be fully considered when determining whether development is appropriate and acceptable.

A TPO makes it a statutory offence to carry out any of the following works to trees without the formal consent of the Local Planning Authority (LPA):

- Cutting down
- Topping
- Lopping
- Uprooting
- Wilful damage
- Wilful destruction

### AMENITY VALUE

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Trees which are to be included within a TPO should exhibit a minimum level of current or future amenity value. This should be assessed by the LPA in a structured and consistent manner with Government advice referring to the following requirements.

### VISIBILITY

Trees should be visible, in whole or in part, from a public place such as a road, footpath or publicly accessible land.

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<sup>4</sup> Town and Country Planning Act 1990. s.13(197)(a)(b). Norwich: TSO

<sup>5</sup> Town and Country Planning Act 1990. s.13(198). Norwich: TSO

<sup>6</sup> Department for Communities and Local Government, 2014. Conserving and Enhancing the Historic Environment. [Online] Available at: <https://www.gov.uk/guidance/conserving-and-enhancing-the-historic-environment#what-is-a-conservation-area> [Accessed 14 November 2017]

## VALUE

Public visibility is in itself not sufficient to warrant inclusion within a TPO. Arboricultural features should also exhibit merit in terms of one or more of the following criteria:

- Size and form;
- Future potential;
- Rarity, cultural or historical value;
- Contribution to, and relationship with, the landscape; and
- Contribution to the character or appearance of a conservation area.

## OTHER FACTORS

Other factors such as nature conservation may be considered when making a TPO but on their own would not warrant making an Order.

## CONSERVATION AREAS

Conservation areas are designated under the Planning (Listed Buildings and Conservation Areas) Act 1990. A conservation area is an area which has been designated because of its special architectural or historic interest, the character or appearance of which it is desirable to preserve or enhance<sup>7</sup>. Trees can positively contribute towards the character, appearance or general amenity of a conservation area and, if not protected by a TPO, are protected by provisions in section 211 of the Town and Country Planning Act 1990.

Section 211 of the Town and Country Planning Act 1990 makes it a statutory offence to carry out any of the following works to trees<sup>8</sup> located within a conservation area without first providing the Local Planning Authority (LPA) with six weeks' notice of intent<sup>9</sup>.

- Cutting down
- Topping
- Lopping
- Uprooting
- Wilful damage
- Wilful destruction

Although the LPA must normally be given six weeks' notice of intent to carry out work to trees within conservation areas certain exemptions do exist. These include, but are not limited to, the following criteria:

- The making safe of dangerous trees where there is an immediate risk of serious harm

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<sup>7</sup> Department for Communities and Local Government, 2014. Conserving and Enhancing the Historic Environment. [Online] Available at: <https://www.gov.uk/guidance/conserving-and-enhancing-the-historic-environment#what-is-a-conservation-area> [Accessed 14 November 2017]

<sup>8</sup> Except for trees whose stem diameter at 1.5 metres (m) above ground level:

- does not exceed 75mm; or
- has a stem diameter of 100mm or less and is to be removed for the sole purpose of improving the growth of other trees (e.g. thinning as part of forestry operations).

<sup>9</sup> This does not apply to trees which are already protected by a TPO; these trees are subject to the procedures and controls for any tree covered by such an Order.

- The removal of dead wood or dead trees
- Work necessary to abate an actionable legal nuisance
- Where work is necessary to implement a grant of full planning consent

It is therefore essential that, unless a valid exemption applies, the Local Planning Authority is given six weeks' notice prior to undertaking any pruning or felling works to, or any development activities within the Root Protection Area (RPA), of any tree protected by virtue of a conservation area.

## PLANNING POLICY

National and local planning policies of specific relevance to this report are outlined below:

### NATIONAL POLICY

#### NATIONAL PLANNING POLICY FRAMEWORK

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The National Planning Policy Framework (NPPF) includes relevant guidance in chapter 15: Conserving and Enhancing the Natural Environment. Guidance provided includes:

- Paragraph 170(b) recognises the economic and other benefits that trees and woodlands provide and the fact that they should be considered as part of a planning decision;
- Paragraph 175(c) identifies the principle that 'development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused, unless there are wholly exceptional reasons and a suitable compensation strategy exists'.

### LOCAL PLANNING POLICY

Planning controls within the study area are jointly administered by Wealden District Council and Lewes District Council.

#### WEALDEN LOCAL PLAN – JANUARY 2019

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Policy *EA1: Biodiversity* – Section C of this policy states “Development that will lead to the loss of ancient woodland will not be supported, and where relevant the provision of a 15-metre buffer between development and the ancient woodland should be provided, unless an alternative buffer area can be justified taking into account the objective of no loss of irreplaceable habitat”

Policy *EA4: Wealden's Landscape Character* – highlights that development will be permitted “where it protects, maintains, enhances, reinforces and complements the key characteristics of the landscape character area in which it is located or adjacent to” natural features which includes trees, hedges and woodlands.

Policy *SWGA36: Allocation Polegate North 1* – Section C of this policy specifies that tree belts along the A27 must be protected and enhanced “in order to reinforce the feeling of enclosure”. Existing boundary features, including hedgerows and tree belts should also be retained and enhanced for their screening functions.

#### LEWES DISTRICT COUNCIL LOCAL PLAN: PART 1 – JOINT CORE STRATEGY 2010-2030

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The Lewes District Council local plan is a joint core strategy with South Down National Park Authority (SDNPA). The SDNPA Local Plan, at the time of writing this report, has been submitted to Government for examination. Once adopted, the SDNPA Local Plan will replace existing plans across the South Downs National Park, and will include the section of the East of Lewes scheme that falls within Lewes District Council.

Core Policy 10: *Natural Environment and Landscape Character* – this policy outlines the need to conserve and enhance priority habitats and species by maintaining and enhancing locally distinctive characteristics of the district, to include hedgerows and ancient woodlands.

## OTHER GUIDANCE

Other guidance of specific relevance to this report is outlined below:

### BRITISH STANDARD BS 5837:2012

British Standard BS 5837:2012 provides recommendations and guidance on the relationship between trees and design, demolition and construction processes. It sets out principles and procedures to be applied to achieve a harmonious and sustainable relationship between trees and structures and is applicable whether or not planning consent is required.

### ANCIENT WOODLAND, ANCIENT TREES AND VETERAN TREES: PROTECTING THEM FROM DEVELOPMENT

The Forestry Commission and Natural England have published guidance giving information for the protection of ancient woodland, ancient trees and veteran trees from development<sup>10</sup>. In summary this guidance advises on the use of semi-natural buffer zones as a means of protection with minimum distances identified as:

- Fifteen metres between any development and ancient woodland.
- Fifteen times the diameter of its stem or 5m from the edge of its canopy, if that's greater, around any ancient or veteran tree.

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<sup>10</sup> Forestry Commission and Natural England, 2018. *Ancient woodland, ancient trees and veteran trees: protecting them from development* [Online] Available at < <https://www.gov.uk/guidance/ancient-woodland-and-veteran-trees-protection-surveys-licences#ancient-and-veteran-trees> > [Accessed 07 January 2019].

# Appendix B

ARBORICULTURAL SURVEY METHODOLOGY

## METHOD OF BASELINE DATA COLLECTION

Baseline data collection has been undertaken with reference to BS 5837 and has been undertaken using the following data sources:

- An arboricultural desk study, and;
- A walkover survey of all arboricultural features within the study area.

## DESK STUDY

A desk-study has been undertaken as a means of identifying any statutory and non-statutory constraints which may apply to arboricultural features within the study area. The desk-based review has considered the following sources:

## TPOS AND CONSERVATION AREAS

Lewes District Council and Eastbourne Borough Council is responsible for implementing any legal controls imposed through TPOs and conservation areas within the western part of the study area. The statutory status of arboricultural features within the study area was confirmed in writing<sup>11</sup>.

Wealden District Council is responsible for implementing any legal controls imposed through TPOs and conservation areas within the eastern part of the study area. The statutory status of arboricultural features within the study area was confirmed in writing<sup>12</sup>.

## NOTABLE, ANCIENT AND VETERAN TREES

The presence of locally notable, ancient and veteran trees within the study area was checked using the Woodland Trust's Ancient Tree Inventory<sup>13</sup>.

## ANCIENT WOODLAND

The presence of ancient woodlands within the study area was checked using Natural England's Multi Agency Geographical Information for the Countryside (MAGIC) map<sup>14</sup>.

## SITE VISIT / SURVEYS

A walkover survey of all arboricultural features within the study area was undertaken on 05 to 09 November 2018 and 27 to 28 November 2018. The survey was undertaken by Theresa Reichlin (Arboricultural Consultant).

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<sup>11</sup> Customer\_First., NoReply@eastbourne.gov.uk, 2019. *TPO*. [email] Message to Theresa Reichlin (Theresa.reichlin@wsp.com). Sent 30 January 2019:10.54.

<sup>12</sup> Marshall, N., planning.information@wealden.gov.uk, 2018. *RE: Tree Status and conservation area*. [email] Message to Theresa Reichlin (Theresa.reichlin@wsp.com). Sent Monday 17 September 2018:14.45.

<sup>13</sup> Ancient Tree Inventory, 2018. *Ancient Tree Inventory* [online] Available at: < <https://ati.woodlandtrust.org.uk> > [Accessed 14 September 2018].

<sup>14</sup> Magic (DEFRA), 2018. *Multi Agency Geographic Information for the Countryside* [online] Available at: < <https://magic.defra.gov.uk/MagicMap.aspx> > [14 September 2018].

## SURVEY METHODOLOGY

The survey was undertaken by a suitably qualified and experienced arboriculturist.

The survey was undertaken with aerial photography, Ordnance Survey MasterMap and limited topographical data forming the base mapping. The arboricultural survey was undertaken in accordance with the following criteria:

- Arboricultural features have been recorded as tree groups or wooded areas where this has been deemed appropriate. Tree groups have been recorded on the basis that they form distinct arboricultural features either aerodynamically, visually or because they contain trees of similar cultural and biodiversity value. Wooded areas are recorded where larger expanses of trees exist and included features which may otherwise be referred to as copses, spinneys or shelterbelts.
- Hedges have been recorded where they form substantial internal or boundary features or where they contribute meaningfully to the landscape character of the local area.
- The trees have been inspected using the Visual Tree Assessment methodology as purported by Mattheck and Breoler<sup>15</sup>.
- The tree survey was carried out from ground level only.
- No tissue samples were taken nor was any internal investigation of the subject trees undertaken.
- Tree heights and crown spreads have been estimated to the nearest 1m.

Stem diameters have been measured in accordance with Annex C of BS 5837:2012. Diameters of single stem trees on level ground have been measured at 1.5m above ground level. The diameters of other commonly encountered stems have been measured where most appropriate and this is recorded within the schedule. The combined stem diameters for multi-stemmed trees have been calculated in accordance with BS 5837:2012 paragraph 4.6.1.

By default, Root Protection Areas (RPAs) are calculated as an area equivalent to a circle with a radius 12 times the stem diameter. However, for ancient and veteran trees a root protection area with a radius of 15 times the stem diameter has been used<sup>16</sup>.

## VALUE/SENSITIVITY OF RECEPTORS

In accordance with relevant guidance topic specific descriptors and criteria for identifying the value of arboricultural features has been utilised details of which are provided in Table A1.

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<sup>15</sup> Mattheck, C., Breoler, H., 2006. *The body language of trees*. Norwich: The Stationary Office

<sup>16</sup> Ancient Tree Forum, 2007. *Ancient Tree Guides No.3: Trees and development* [online] Available at <http://www.ancienttreeforum.co.uk/wp-content/uploads/2015/02/ancient-tree-guide-3-development.pdf> [Accessed 25 January 2019].

**TABLE A1- DESCRIPTION OF THE VALUE (SENSITIVITY) OF THE ARBORICULTURAL RESOURCE**

| Sensitivity (Value) | BS 5837 Category | Remaining Life Expectancy | Typical Tree Quality and Value Descriptors  |
|---------------------|------------------|---------------------------|---|
| Very High           | N/A              | N/A                       | Unlikely to apply to arboricultural elements. Includes features of international value and importance.  |
| High                | A                | >40 years                 | Trees, groups or woodlands which, because of their great age, size or habitat continuity are of exceptional value as arboricultural, landscape, conservation or cultural features (e.g. ancient or veteran trees and ancient woodland).   |
| Medium              | A                | >40 years                 | <p>Trees, groups or woodlands of identifiable arboricultural, landscape or cultural value.</p> <p>Trees that are of particularly good examples of their species, especially if rare or unusual (e.g. notable specimens);</p> <p>Trees that are essential components of groups, or of formal or semi-formal arboricultural features;</p> <p>Trees, groups, or woodlands of particular visual importance as arboricultural and/or landscape features.</p>   |
| Low                 | B                | 20+ years                 | <p>Trees that might be included in category A, but are downgraded because of impaired condition (e.g. the presence of significant though remediable defects including unsympathetic past management and storm damage);</p> <p>Trees lacking the special quality necessary to merit category A designation;</p> <p>Trees present in numbers, usually as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality;</p> <p>Trees with material conservation or other cultural value.</p>   |
| Very Low            | C/U              | <20 years                 | <p>Trees with a stem diameter of less than 150mm;</p> <p>Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories;</p> <p>Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits;</p> <p>Trees with no material conservation or other cultural value.</p> <p>Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years;</p> <p>Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse;</p> <p>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline;</p> <p>Trees infected with pathogens of significance to the health and/or safety of other trees nearby.</p> |



## NOTES AND LIMITATIONS

Arboricultural survey data is of a preliminary nature and has been collected based on a walkover survey. Only defects visible from the ground have been noted and each individual feature may not have been inspected closely due to access difficulties, the presence of dense ivy or vegetation or safety constraints. Safety related features have recorded on the basis that the arboricultural features will be subject to a normal programme of tree hazard assessment and only those features which materially affect the value of the feature or pose a real and immediate safety concern have been recorded.

Arboricultural survey data is typically valid for a period of two years unless otherwise stated. Significant environmental events (such as extreme weather conditions) or changes to the Site may render it invalid within a shorter timescale.

Records held on the Ancient Tree Inventory<sup>17</sup> are collected on a voluntary basis, therefore the absence of records does not demonstrate the absence of ancient, veteran or notable trees but may simply indicate a gap in recording coverage.

Whilst arboricultural surveys are not seasonally limited it is the case that certain pests and diseases may be more or less evident at different times of the year. This is especially true of certain wood decaying fungi such as the Giant Polypore (*Meripilus giganteus*) where fruiting bodies are short-lived and the early stages of root decay may not result in other identifiable symptoms. Walkover survey data is therefore based upon observations made at the time of the site visit and may be subject to change should further or more detailed inspections be undertaken.

The survey has only been undertaken from land within the client's ownership, from public land or from areas where formal access has been arranged.

The position of arboricultural features not recorded on a topographical survey has been estimated using aerial photography. The position and extent of these features should be regarded as approximate only.

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<sup>17</sup> Ancient Tree Inventory, 2018. *Ancient Tree Inventory* [online] Available at: < <https://ati.woodlandtrust.org.uk> >

# Appendix C

SUPPORTING DOCUMENTATION

FIGURE A1 – TPO NO. 35, 1988

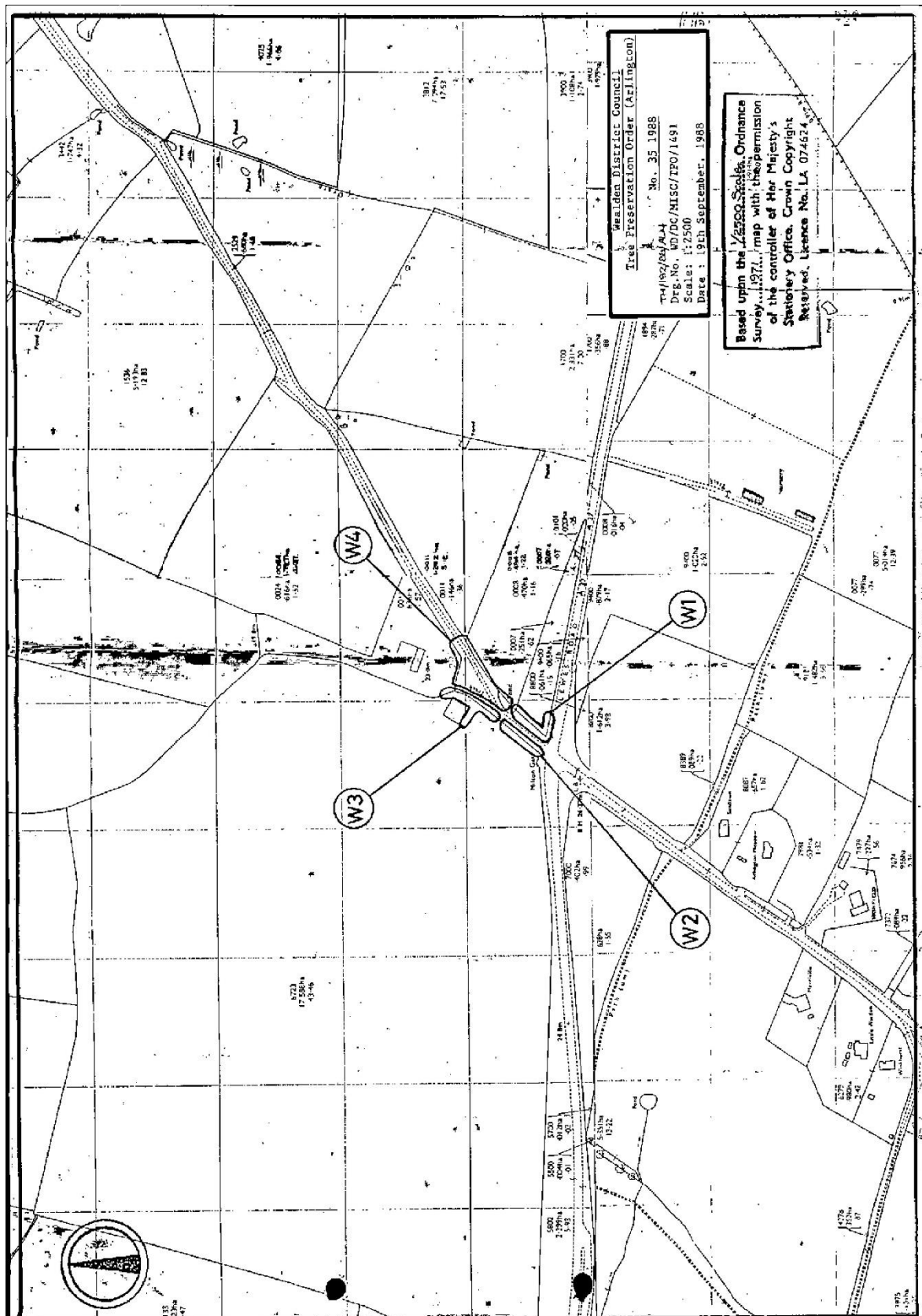


FIGURE A2 – TPO NO.52, 1990

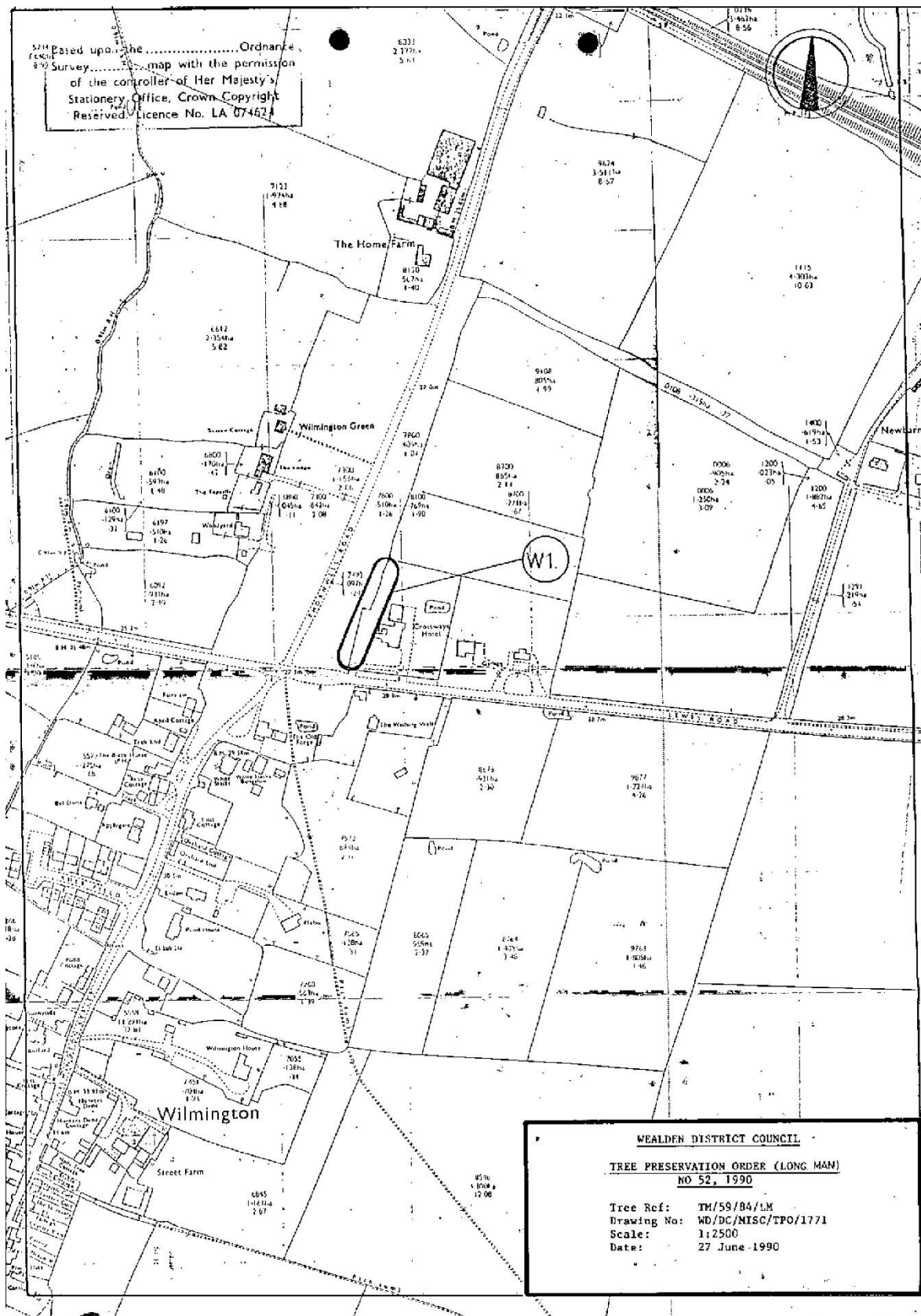
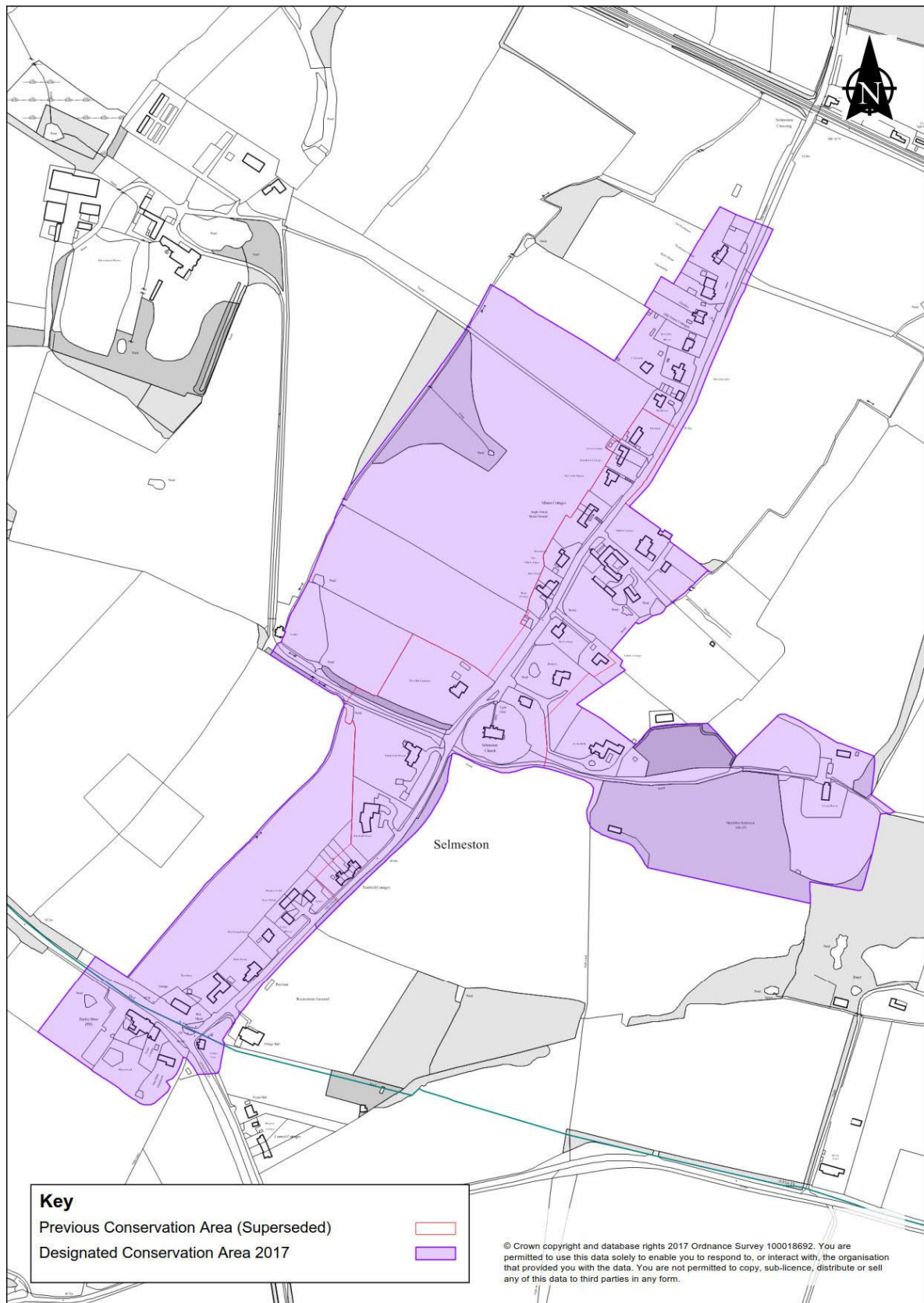




FIGURE A3 – SELMESTON CONSERVATION AREA



# Appendix D

## ARBORICULTURAL SURVEY SCHEDULE

|                                   |   |           |  |  |   |
|-----------------------------------|---|-----------|--|--|---|
| KEY:                              |   |           |  |  |   |
| REFERENCE NUMBER:                 | Individual reference number   |           |  |  |   |
| TYPE:                             | T - Tree  | G - Group | W - Woodland   | H - Hedge                                  |   |
| SPECIES:                          | Species listed by common name   |           |  |  |   |
| HEIGHT:                           | Overall height (m)  |           |  |  |   |
| DIAMETER:                         | Stem diameter (mm) calculated in accordance with BS 5837 paragraph 4.6.1. An average stem diameter is provided for groups, woodlands and hedges. * Denotes an estimated stem diameter |           |  |  |   |
| NO. OF STEMS:                     | Number of stems (individual trees only)   |           |  |  |   |
| N, E, S, W:                       | Crown spread taken at each cardinal point (m)   |           |  |  |   |
| LCH:                              | Lowest crown height (m)   |           |  |  |   |
| FSB:                              | Height of lowest significant branch (m)   |           |  |  |   |
| AGE CLASS:                        | Young - < 1/3rd estimated life expectancy   |           | Semi-mature – 1/3rd to 2/3rd estimated life expectancy | Mature - > 2/3rd estimated life expectancy | Veteran – a tree which exists significantly beyond its normal life expectancy |
| PHYSIOLOGICAL CONDITION:          | Good  |           | Fair   | Poor                                       | Dead  |
| STRUCTURAL CONDITION:             | Good  |           | Fair   | Poor                                       |   |
| ESTIMATED REMAINING CONTRIBUTION: | >10 years   |           | 10+ years  | 20+ years                                  | 40+ years   |
| CATEGORY:                         | BS 5837 Category - A, B, C, U   |           | BS 5837 Sub-category - 1, 2, 3                         |  |   |
| RPA RADIUS                        | The radius of the circular Root Protection Area associated with the tree as measured from the centre of the stem (m)  |           |  |  |   |

| TREE NO | TYPE | SPECIES                                     | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                              | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|---|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|------------------------------------|------------------|----------------------|
| 125     | G    | Field Maple; Hawthorn                       | 3          | 75                 | 2                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 126     | G    | Ash   | 9          | 300                | 3                        | 1                   | 1                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 127     | G    | Ash; Oak; Field Maple                       | 8          | 500                | 0                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                                  | -                | -                    |
| 130     | G    | Ash; Willow                                 | 16         | 350                | 3                        | 0                   | 0                    | Mature      | Good                    | Fair                 | 20+                                      | B        | 2            | -                                  | -                | -                    |
| 132     | G    | Ash; Maple; Oak; Hawthorn                   | 12         | 350                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | No safe access; All data estimated | -                | -                    |
| 135     | G    | Ash   | 15         | 300                | 0                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | No safe access; All data estimated | -                | -                    |
| 136     | G    | Sycamore; Field Maple; Blackthorn; Hawthorn | 12         | 350                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | No safe access; All data estimated | -                | -                    |
| 137     | G    | Hawthorn                                    | 5          | 175                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 139     | G    | Ash   | 13         | 300                | 0                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 140     | G    | Sycamore; Beech; Alder. Willow.             | 17         | 750                | 4                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | -                                  | -                | -                    |
| 141     | G    | Ash; Hawthorn; Blackthorn                   | 9          | 250                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 143     | G    | Whitebeam                                   | 6          | 180                | 0                        | 1                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                | -                    |



| TREE NO | TYPE | SPECIES                                | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                              | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|--|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|------------------------------------|------------------|----------------------|
| 144     | G    | Beech; Whitebeam; Norway Maple         | 14         | 600                | 4                        | 2                   | 1                    | Mature      | Good                    | Good                 | 40+                                      | A        | 2            | -                                  | -                | -                    |
| 145     | G    | Holly; Hazel                           | 6          | 200                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                                  | -                | -                    |
| 146     | G    | Ash; Field Maple                       | 12         | 300                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 147     | G    | Hazel; Sycamore; Ash.                  | 7          | 100                | 1                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                                  | -                | -                    |
| 148     | G    | Oak                                    | 15         | 800                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | -                                  | -                | -                    |
| 153     | G    | Goat Willow; Weeping Willow            | 7          | 240                | 3                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 154     | G    | Field Maple; Oak                       | 12         | 300                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 3            | -                                  | -                | -                    |
| 155     | G    | Ash; Sycamore.                         | 9          | 250                | 3                        | 1                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 156     | G    | Poplar; Willow; Oak                    | 15         | 250                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                | -                    |
| 157     | G    | Elm                                    | 15         | 350                | 3                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | No safe access; All data estimated | -                | -                    |
| 158     | G    | Elm; Oak                               | 15         | 350                | 3                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | No safe access; All data estimated | -                | -                    |
| 159     | G    | Hawthorn; Blackthorn; Field Maple; Ash | 5          | 100                | 1                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                | -                    |

| TREE NO | TYPE | SPECIES                  | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                                 | STATUTORY STATUS            | ENVIRONMENTAL STATUS |
|---------|------|--------------------------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|---------------------------------------|-----------------------------|----------------------|
| 160     | G    | Oak; Blackthorn          | 9          | 400                | 6                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | No safe access;<br>All data estimated | -                           | -                    |
| 161     | G    | Ash                      | 10         | 350                | 2                        | 0                   | 0                    | Mature      | Poor                    | Poor                 | <10                                      | U        | -            | -                                     | -                           | -                    |
| 162     | G    | Willow                   | 12         | 750                | 5                        | 0                   | 0                    | Mature      | Good                    | Poor                 | 20+                                      | B        | 2            | -                                     | -                           | -                    |
| 163     | G    | Poplar; Willow           | 17         | 650                | 4                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | Selmeston Conservation Area | -                    |
| 164     | G    | Hawthorn                 | 5          | 150                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | Selmeston Conservation Area | -                    |
| 165     | G    | Cherry                   | 3          | 150                | 1                        | 0                   | 0                    | Young       | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | Selmeston Conservation Area | -                    |
| 166     | G    | Goat Willow; Field Maple | 5          | 75                 | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | Selmeston Conservation Area | -                    |
| 167     | G    | Blackthorn; Hawthorn     | 4          | 200                | 1                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                           | -                    |
| 168     | G    | Oak; Ash                 | 6          | 250                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                           | -                    |
| 169     | G    | Willow                   | 5          | 150                | 3                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -                                     | -                           | -                    |
| 170     | G    | Hawthorn; Ash            | 4          | 150                | 1                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                           | -                    |
| 171     | G    | Scots Pine               | 5          | 200                | 1                        | 1                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                           | -                    |

| TREE NO | TYPE | SPECIES              | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                                 | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|----------------------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|---------------------------------------|------------------|----------------------|
| 172     | G    | Ash                  | 8          | 300                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 173     | G    | Ash                  | 8          | 300                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 174     | G    | Hawthorn             | 8          | 100                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 175     | G    | Ash; Leyland Cypress | 8          | 300                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 176     | G    | Ash                  | 8          | 250                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | No safe access;<br>All data estimated | -                | -                    |
| 177     | G    | Ash; Field Maple     | 6          | 210                | 1                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 178     | G    | Willow               | 7          | 300                | 3                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | No safe access;<br>All data estimated | -                | -                    |
| 179     | G    | Ash; Hawthorn        | 8          | 275                | 3                        | 1                   | 1                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 180     | G    | Willow               | 9          | 400                | 5                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 181     | G    | Goat Willow          | 6          | 250                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 182     | G    | Ash; Birch; Willow;  | 8          | 250                | 2                        | 1                   | 1                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 183     | G    | Field Maple          | 10         | 350                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                                     | -                | -                    |
| 184     | G    | Ash; Oak; Sycamore   | 13         | 300                | 2                        | 1                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                                     | -                | -                    |
| 186     | G    | Ash                  | 8          | 230                | 2                        | 2                   | 3                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |

| TREE NO | TYPE | SPECIES                                    | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                                 | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|--|------------|--------------------|--------------------------|---------------------|----------------------|-----------|-------------------------|----------------------|--|----------|--------------|---------------------------------------|------------------|----------------------|
| 187     | G    | Willow                                     | 14         | 450                | 5                        | 0                   | 0                    | Mature    | Good                    | Good                 | 10+                                      | C        | 2            | No safe access;<br>All data estimated | -                | -                    |
| 188     | G    | Black Poplar;<br>Willow; Ash               | 16         | 500                | 4                        | 0                   | 0                    | Mature    | Good                    | Good                 | 20+                                      | B        | 2            | -                                     | -                | -                    |
| 189     | G    | Oak; Ash;<br>Lombardy Poplar               | 14         | 400                | 4                        | 1                   | 1                    | Mature    | Good                    | Good                 | 20+                                      | B        | 2            | -                                     | -                | -                    |
| 190     | G    | Goat Willow;<br>Hawthorn; Ash              | 6          | 200                | 2                        | 0                   | 0                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 191     | G    | Ash  | 10         | 300                | 2                        | 5                   | 1                    | Mature    | Good                    | Good                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 192     | G    | Ash  | 10         | 300                | 2                        | 5                   | 1                    | Mature    | Good                    | Good                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 193     | G    | Ash; Hawthorn;<br>Field Maple; Goat Willow | 6          | 260                | 3                        | 0                   | 2                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 194     | G    | Field Maple; Ash                           | 4          | 100                | 1                        | 0                   | 0                    | Young     | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |
| 195     | G    | Ash  | 11         | 350                | 3                        | 0                   | 0                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 2            | No safe access;<br>All data estimated | -                | -                    |
| 196     | G    | Blackthorn;<br>Hawthorn; Field Maple       | 6          | 110                | 1                        | 0                   | 0                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                     | -                | -                    |

| TREE NO | TYPE | SPECIES  | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                              | STATUTORY STATUS   | ENVIRONMENTAL STATUS |
|---------|------|--|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|------------------------------------|--------------------|----------------------|
| 197     | G    | Ash; Horse Chestnut                              | 8          | 220                | 2                        | 0                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | No safe access; All data estimated | TPO No.35, 1988 W2 | -                    |
| 198     | G    | Ash; Horse Chestnut                              | 8          | 220                | 2                        | 0                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | No safe access; All data estimated | TPO No.35, 1988 W2 | -                    |
| 199     | G    | Poplar; Ash; Sycamore; Hawthorn; Leyland Cypress | 18         | 550                | 4                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                                  | -                  | -                    |
| 200     | G    | Blackthorn                                       | 5          | 150                | 1                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 201     | G    | Willow   | 7          | 250                | 3                        | 0                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 202     | G    | Ash  | 9          | 450                | 2                        | 0                   | 0                    | Mature      | Fair                    | Good                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 203     | G    | Ash  | 9          | 450                | 2                        | 0                   | 0                    | Mature      | Fair                    | Good                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 204     | G    | Ash  | 9          | 350                | 1                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 205     | G    | Hawthorn   | 5          | 200                | 1                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 206     | G    | Ash  | 7          | 240                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 207     | G    | Ash  | 15         | 350                | 4                        | 3                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 208     | G    | Ash  | 15         | 350                | 4                        | 3                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 209     | G    | Ash  | 6          | 200                | 1                        | 0                   | 0                    | Semi-Mature | Good                    | Fair                 | 10+                                      | C        | 2            | -                                  | -                  | -                    |
| 211     | G    | Oak  | 7          | 200                | 12                       | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 20+                                      | B        | 2            | -                                  | -                  | -                    |

| TREE NO | TYPE | SPECIES  | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|--|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|-------|------------------|----------------------|
| 215     | G    | Oak; Ash; Sycamore; Hawthorn; Blackthorn; Hazel; E | 10         | 200                | 2                        | 0                   | 0                    | Young       | Good                    | Good                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 217     | G    | Cypress  | 11         | 140                | 2                        | 2                   | 2                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -     | -                | -                    |
| 218     | G    | Ash  | 10         | 250                | 0                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | -     | -                | -                    |
| 220     | G    | Apple  | 5          | 150                | 0                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 1            | -     | -                | -                    |
| 222     | G    | Sycamore   | 7          | 300                | 2                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 224     | G    | Sycamore; Ash; Hazel; Elder; Leyland Cypress       | 15         | 550                | 3                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 225     | G    | Non-Native Ornaments                               | 15         | 220                | 4                        | 0                   | 0                    | Semi-Mature | Good                    | Fair                 | 20+                                      | B        | 2            | -     | -                | -                    |
| 226     | G    | Elder  | 6          | 180                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 227     | G    | Leyland Cypress                                    | 16         | 350                | 3                        | 0                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -     | -                | -                    |
| 228     | G    | Lawson Cypress                                     | 9          | 150                | 3                        | 4                   | 4                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 229     | G    | Ash  | 8          | 150                | 3                        | 4                   | 4                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 113     | H    | Elm  | 7          | 100                | 1                        | 0                   | 0                    | Young       | Good                    | Good                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 114     | H    | Hawthorn   | 5          | 100                | 1                        | 0                   | 0                    | Young       | Fair                    | Fair                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 115     | H    | Leyland cypress                                    | 4          | 100                | 1                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -     | -                | -                    |
| 116     | H    | Hawthorn   | 3          | 75                 | 1                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -     | -                | -                    |

| TREE NO | TYPE | SPECIES      | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES  | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|--------------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|--|------------------|----------------------|
| 117     | H    | Field Maple  | 4          | 250                | 2                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 118     | H    | Mixed Native | 4          | 130                | 1                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 119     | H    | Blackthorn   | 5          | 150                | 1                        | 0                   | 0                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 120     | H    | Hawthorn     | 4          | 110                | 1                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 121     | H    | Hawthorn     | 3          | 100                | 1                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 122     | H    | Blackthorn   | 1.5        | 100                | 1                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 123     | H    | Mixed        | 3          | 75                 | 1                        | 0                   | 0                    | Young       | Poor                    | Poor                 | <10                                      | U        | 2            | -  | -                | -                    |
| 124     | H    | Mixed        | 3          | 75                 | 1                        | 0                   | 0                    | Young       | Poor                    | Poor                 | <10                                      | U        | 2            | -  | -                | -                    |
| 2       | T    | Sycamore     | 12         | 250                | 2                        | 1.5                 | 1                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 3       | T    | Oak          | 12         | 850                | 5                        | 3                   | 4                    | Mature      | Good                    | Fair                 | 40+                                      | A        | 2            | Ivy  | -                | -                    |
| 4       | T    | Ash          | 5          | 250                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 5       | T    | Ash          | 5          | 250                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 8       | T    | Ash          | 5          | 250                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 13      | T    | Oak          | 20         | 1050               | 7                        | 10                  | 7                    | Mature      | Good                    | Good                 | 40+                                      | A        | 1            | Fruiting body at base; Minor dead branches; Ivy prolific | -                | -                    |
| 16      | T    | Unknown      | 13         | 1060               | 6                        | 1                   | 0                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | Minor dead wood  | -                | -                    |
| 17      | T    | Willow       | 21         | 850                | 8                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | -  | -                | -                    |

| TREE NO | TYPE | SPECIES | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES  | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|---------|------------|--------------------|--------------------------|---------------------|----------------------|-----------|-------------------------|----------------------|--|----------|--------------|--|------------------|----------------------|
| 18      | T    | Oak     | 13         | 790                | 3                        | 5                   | 5                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 1            | Wound on major upper branch                              | -                | -                    |
| 19      | T    | Apple   | 4          | 190                | 2                        | 1                   | 1                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 20      | T    | Oak     | 15         | 900                | 8                        | 5                   | 3                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 1            | Minor deadwood   | -                | Notable              |
| 21      | T    | Apple   | 4          | 200                | 2                        | 2                   | 1                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 22      | T    | Apple   | 4          | 190                | 2                        | 1                   | 1                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 23      | T    | Oak     | 15         | 560                | 10                       | 0                   | 0                    | Mature    | Good                    | Good                 | 20+                                      | B        | 2            | Minor deadwood   | -                | -                    |
| 24      | T    | Birch   | 8          | 210                | 1                        | 1.5                 | 2.5                  | Mature    | Good                    | Good                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 25      | T    | Apple   | 4          | 190                | 2                        | 1                   | 1                    | Mature    | Fair                    | Fair                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 26      | T    | Birch   | 8          | 210                | 1                        | 1.5                 | 2.5                  | Mature    | Good                    | Good                 | 10+                                      | C        | 1            | -  | -                | -                    |
| 27      | T    | Oak     | 15         | 1010               | 5                        | 1.5                 | 3                    | Mature    | Good                    | Poor                 | 40+                                      | A        | 1            | Wound on major upper branch; Held together by rope brace | -                | Notable              |
| 28      | T    | Oak     | 12         | 900                | 6                        | 3                   | 2                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 2            | Minor deadwood; prolific ivy; Surrounded by dense        | -                | Notable              |



| TREE NO | TYPE | SPECIES     | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES   | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|-------------|------------|--------------------|--------------------------|---------------------|----------------------|-----------|-------------------------|----------------------|--|----------|--------------|---|------------------|----------------------|
|         |      |             |            |                    |                          |                     |                      |           |                         |                      |  |          |              | blackthorn hedge  |                  |                      |
| 29      | T    | Lime        | 9          | 650                | 3                        | 0                   | 1                    | Mature    | Fair                    | Fair                 | 20+                                      | B        | 2            | Prolific ivy; No access; Data estimated                             | -                | -                    |
| 30      | T    | Alder       | 10         | 520                | 3                        | 0                   | 0.5                  | Mature    | Good                    | Good                 | 10+                                      | C        | 2            | Large branch coming from base                                       | -                | -                    |
| 31      | T    | Oak         | 16         | 900                | 7                        | 4                   | 4                    | Mature    | Good                    | Fair                 | 20+                                      | B        | 2            | Minor deadwood; Ivy   | -                | -                    |
| 32      | T    | Whitebeam   | 7          | 450                | 3                        | 0                   | 0.5                  | Mature    | Fair                    | Fair                 | 10+                                      | C        | 2            | No clear leader; One branch torn off leaving relatively large wound | -                | -                    |
| 33      | T    | Field Maple | 9          | 440                | 3                        | 0                   | 1.5                  | Mature    | Good                    | Good                 | 10+                                      | C        | 2            | -   | -                | -                    |
| 34      | T    | Ash         | 13         | 400                | 6                        | 1                   | 0                    | Mature    | Good                    | Good                 | 20+                                      | B        | 2            | Ash coppice; 6 stems  | -                | -                    |
| 35      | T    | Oak         | 15         | 850                | 3                        | 3                   | 4                    | Mature    | Poor                    | Poor                 | 20+                                      | B        | 2            | Poor crown; Major dead branches at top of crown; Possible wound     | -                | -                    |

| TREE NO | TYPE | SPECIES | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES  | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|---------|------------|--------------------|--------------------------|---------------------|----------------------|-----------|-------------------------|----------------------|--|----------|--------------|--|------------------|----------------------|
|         |      |         |            |                    |                          |                     |                      |           |                         |                      |  |          |              | at base; No access                             |                  |                      |
| 36      | T    | Oak     | 17         | 970                | 8                        | 2                   | 1                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | Trifurcates at 1m                              | -                | Notable              |
| 37      | T    | Oak     | 24         | 850                | 6                        | 3                   | 0                    | Mature    | Poor                    | Poor                 | 20+                                      | B        | 2            | Poor form                                      | -                | -                    |
| 38      | T    | Oak     | 14         | 1200               | 7                        | 1                   | 2                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 2            | Minor dead wood; No fruiting bodies found      | -                | Notable              |
| 39      | T    | Oak     | 26         | 870                | 6                        | 10                  | 10                   | Mature    | Good                    | Fair                 | 40+                                      | A        | 2            | Major deadwood                                 | -                | Notable              |
| 40      | T    | Oak     | 24         | 960                | 8                        | 5                   | 7                    | Mature    | Fair                    | Fair                 | 40+                                      | A        | 1            | Dead branches                                  | -                | Notable              |
| 41      | T    | Oak     | 21         | 950                | 7                        | 6                   | 2                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 2            | Surveyed from one side                         | -                | Notable              |
| 42      | T    | Oak     | 22         | 1080               | 10                       | 6                   | 7                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | -  | -                | Notable              |
| 43      | T    | Oak     | 22         | 1010               | 5                        | 11                  | 7                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | -  | -                | Notable              |
| 44      | T    | Oak     | 20         | 980                | 10                       | 8                   | 5                    | Mature    | Good                    | Fair                 | 20+                                      | B        | 01-Feb       | Fistulina hepatica fruiting on 3 sides at base | -                | -                    |
| 45      | T    | Oak     | 13         | 900                | 7                        | 1                   | 3                    | Mature    | Fair                    | Fair                 | 40+                                      | A        | 2            | Minor dead wood;                               | -                | -                    |

| TREE NO | TYPE | SPECIES | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                     | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|---------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|---------------------------|------------------|----------------------|
| 46      | T    | Oak     | 8          | 560                | 3                        | 1                   | 2                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | No access; Data estimated | -                | -                    |
| 47      | T    | Oak     | 6          | 300                | 3                        | 1                   | 2                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | No access; Data estimated | -                | -                    |
| 48      | T    | Oak     | 13         | 750                | 6                        | 4                   | 3                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | No access; Data estimated | -                | -                    |
| 49      | T    | Oak     | 13         | 750                | 6                        | 4                   | 3                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | No access; Data estimated | -                | -                    |
| 51      | T    | Ash     | 7          | 200                | 1                        | 3                   | 2                    | Young       | Fair                    | Fair                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 53      | T    | Ash     | 8          | 200                | 3                        | 2                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 56      | T    | Willow  | 14         | 600                | 4                        | 0                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 57      | T    | Ash     | 8          | 450                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | Prolific ivy              | -                | -                    |
| 58      | T    | Ash     | 8          | 300                | 3                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | Multi-stemmed             | -                | -                    |
| 60      | T    | Ash     | 9          | 300                | 3                        | 2                   | 3                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 61      | T    | Ash     | 12         | 400                | 4                        | 2                   | 3                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 62      | T    | Oak     | 9          | 290                | 4                        | 2                   | 2                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                         | -                | -                    |
| 63      | T    | Oak     | 10         | 330                | 4                        | 2                   | 2                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | -                         | -                | -                    |
| 64      | T    | Ash     | 13         | 380                | 3                        | 3                   | 4                    | Mature      | Fair                    | Fair                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 65      | T    | Willow  | 15         | 700                | 5                        | 2                   | 0                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | No access; Data estimated | -                | -                    |
| 66      | T    | Oak     | 12         | 700                | 6                        | 2                   | 3                    | Mature      | Good                    | Fair                 | 40+                                      | A        | 2            | Minor dead wood in crown  | -                | -                    |

| TREE NO | TYPE | SPECIES        | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES   | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|----------------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|---|------------------|----------------------|
| 67      | T    | Oak            | 12         | 850                | 4                        | 2                   | 3                    | Mature      | Good                    | Fair                 | 40+                                      | A        | 2            | Major dead wood at base; minor dead wood in crown   | -                | -                    |
| 68      | T    | Oak            | 9          | 580                | 5                        | 3                   | 4                    | Mature      | Good                    | Fair                 | 20+                                      | B        | 2            | Minor dead wood; epicormic shoots on major branches | -                | -                    |
| 70      | T    | Oak            | 8          | 450                | 6                        | 4                   | 3                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | Minor dead wood                                     | -                | -                    |
| 72      | T    | Ash            | 10         | 350                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | Coppice no access                                   | -                | -                    |
| 73      | T    | Horse Chestnut | 9          | 350                | 3                        | 2                   | 1.5                  | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | Previously pruned                                   | -                | -                    |
| 74      | T    | Horse Chestnut | 9          | 500                | 4                        | 3                   | 1.5                  | Mature      | Fair                    | Poor                 | 20+                                      | B        | 2            | Previously pruned; No leader; Ingrown barbed wire   | -                | -                    |
| 75      | T    | Horse Chestnut | 9          | 400                | 4                        | 2                   | 1.5                  | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | Previously pruned                                   | -                | -                    |
| 76      | T    | Horse Chestnut | 9          | 500                | 4                        | 3                   | 1.5                  | Mature      | Fair                    | Poor                 | 20+                                      | B        | 2            | Previously pruned; In-                              | -                | -                    |

| TREE NO | TYPE | SPECIES        | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES  | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|----------------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|--|------------------|----------------------|
|         |      |                |            |                    |                          |                     |                      |             |                         |                      |  |          |              | grown barbed wire  |                  |                      |
| 77      | T    | Horse Chestnut | 9          | 550                | 4                        | 3                   | 1.5                  | Mature      | Fair                    | Poor                 | 20+                                      | B        | 2            | Previously pruned; In-grown barbed wire; Prolific epicormic shoots | -                | -                    |
| 78      | T    | Horse Chestnut | 9          | 350                | 3                        | 2                   | 1                    | Mature      | Fair                    | Poor                 | 20+                                      | B        | 2            | Previously pruned  | -                | -                    |
| 79      | T    | Horse Chestnut | 9          | 300                | 2                        | 2                   | 2                    | Mature      | Fair                    | Fair                 | 20+                                      | B        | 2            | Previously pruned  | -                | -                    |
| 80      | T    | Ash            | 6          | 220                | 2                        | 2                   | 2                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 81      | T    | Ash            | 6          | 350                | 2                        | 2                   | 2                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 82      | T    | Ash            | 10         | 350                | 2                        | 0                   | 0                    | Semi-Mature | Fair                    | Fair                 | 10+                                      | C        | 2            | Coppice no access  | -                | -                    |
| 83      | T    | Oak            | 13         | 400                | 5                        | 1.5                 | 3                    | Mature      | Good                    | Fair                 | 20+                                      | B        | 2            | Branches on side of carriageway are dead; No access                | -                | -                    |
| 84      | T    | Ash            | 9          | 250                | 2                        | 1                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | Multi stemmed  | -                | -                    |
| 85      | T    | Ash            | 9          | 260                | 2                        | 1                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | -  | -                | -                    |
| 86      | T    | Ash            | 9          | 250                | 2                        | 1                   | 0                    | Mature      | Good                    | Fair                 | 10+                                      | C        | 2            | Multi stemmed  | -                | -                    |

| TREE NO | TYPE | SPECIES       | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES   | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|---------------|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|---|------------------|----------------------|
| 87      | T    | Oak           | 15         | 960                | 4                        | 3                   | 1.5                  | Mature      | Fair                    | Fair                 | 40+                                      | A        | 2            | Large branch pruned off 1.5m above ground; Wound near base    | -                | Notable              |
| 88      | T    | Oak           | 16         | 1200               | 4                        | 4                   | 3                    | Mature      | Fair                    | Fair                 | 40+                                      | A        | 2            | -   | -                | Notable              |
| 89      | T    | Oak           | 13         | 550                | 3                        | 1.5                 | 2.5                  | Semi-Mature | Good                    | Good                 | 20+                                      | B        | 2            | Ivy; No access; Data estimated                                | -                | -                    |
| 90      | T    | Oak           | 13         | 800                | 2                        | 0                   | 2                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | No access; Data estimated                                     | -                | -                    |
| 91      | T    | Oak           | 22         | 1030               | 10                       | 4                   | 3                    | Mature      | Good                    | Good                 | 40+                                      | A        | 2            | -   | -                | Notable              |
| 92      | T    | Corsican Pine | 20         | 960                | 5                        | 6                   | 2.5                  | Mature      | Good                    | Good                 | 40+                                      | A        | 2            | -   | -                | Notable              |
| 93      | T    | Oak           | 16         | 720                | 8                        | 0.5                 | 2                    | Mature      | Good                    | Good                 | 20+                                      | B        | 2            | Ivy present   | -                | -                    |
| 94      | T    | Oak           | 13         | 1000               | 7                        | 2                   | 2                    | Mature      | Good                    | Good                 | 40+                                      | A        | 2            | Minor dead wood; Previously pruned on highway side; No access | -                | Notable              |
| 95      | T    | Ash           | 13         | 460                | 7                        | 5                   | 4                    | Mature      | Good                    | Good                 | 10+                                      | C        | 2            | -   | -                | -                    |
| 96      | T    | Ash           | 16         | 450                | 10                       | 0                   | 4                    | Mature      | Fair                    | Poor                 | <10                                      | U        | 1            | Ring-barked around base                                       | -                | -                    |
| 97      | T    | Ash           | 14         | 300                | 4                        | 0                   | 0                    | Mature      | Dying/Dead              | Poor                 | <10                                      | U        | 1            | Dead  | -                | -                    |

| TREE NO | TYPE | SPECIES        | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                     | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|----------------|------------|--------------------|--------------------------|---------------------|----------------------|-----------|-------------------------|----------------------|--|----------|--------------|---------------------------|------------------|----------------------|
| 98      | T    | Oak            | 20         | 1010               | 0                        | 0                   | 0                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | Bifurcates at 2m          | -                | Notable              |
| 99      | T    | Ash            | 11         | 470                | 5                        | 2.5                 | 2                    | Mature    | Good                    | Poor                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 100     | T    | Horse Chestnut | 17         | 1000               | 8                        | 1                   | 2                    | Mature    | Good                    | Good                 | 40+                                      | A        | 1            | -                         | -                | -                    |
| 101     | T    | Elder          | 4          | 130                | 2                        | 0                   | 0                    | Mature    | Fair                    | Poor                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 102     | T    | Other/Unknown  | 15         | 450                | 2                        | 5                   | 5                    | Mature    | Good                    | Good                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 103     | T    | Horse Chestnut | 15         | 800                | 3                        | 1                   | 2                    | Mature    | Fair                    | Poor                 | 20+                                      | B        | 1            | Heavily pruned            | -                | -                    |
| 104     | T    | Tulip tree     | 9          | 400                | 4                        | 1                   | 1                    | Mature    | Good                    | Good                 | 20+                                      | B        | 2            | No access; Data estimated | -                | -                    |
| 105     | T    | Horse Chestnut | 15         | 800                | 4                        | 1                   | 2                    | Mature    | Fair                    | Fair                 | 20+                                      | B        | 1            | No access; Data estimated | -                | -                    |
| 106     | T    | Yew            | 7          | 400                | 2                        | 0                   | 0                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | No access; Data estimated | -                | -                    |
| 107     | T    | Horse Chestnut | 15         | 800                | 4                        | 1                   | 2                    | Mature    | Fair                    | Fair                 | 20+                                      | B        | 1            | No access; Data estimated | -                | -                    |
| 108     | T    | Yew            | 7          | 400                | 2                        | 0                   | 0                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | No access; Data estimated | -                | -                    |
| 109     | T    | Cherry         | 3          | 100                | 1                        | 1.5                 | 1                    | Young     | Good                    | Fair                 | 10+                                      | C        | 2            | -                         | -                | -                    |
| 110     | T    | Other/Unknown  | 18         | 990                | 8                        | 4                   | 3                    | Mature    | Good                    | Good                 | 40+                                      | A        | 2            | -                         | -                | -                    |
| 111     | T    | Beech          | 18         | 950                | 6                        | 1.7                 | 1                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 2            | Forks at 1m above ground  | -                | Notable              |
| 112     | T    | Beech          | 18         | 850                | 6                        | 1.7                 | 1                    | Mature    | Good                    | Fair                 | 40+                                      | A        | 2            | Forks at 1m above ground  | -                | Notable              |

| TREE NO | TYPE | SPECIES  | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES         | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|--|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|---------------|------------------|----------------------|
| 230     | T    | Ash  | 10         | 400                | 5                        | 4                   | 4                    | Mature      | Poor                    | Fair                 | 10+                                      | C        | 2            | Crown dieback | -                | -                    |
| 128     | W    | Beech; Cherry; Ash; Sycamore; Lime; Oak; Field Map | 16         | 460                | 3                        | 0                   | 0                    | Semi-Mature | Good                    | Good                 | 40+                                      | B        | 2            | -             | -                | -                    |
| 129     | W    | Sycamore; Ash; Alder; Cherry                       | 15         | 400                | 4                        | 1                   | 1                    | Semi-Mature | Good                    | Good                 | 40+                                      | B        | 2            | -             | -                | -                    |
| 131     | W    | Yew; Horse Chestnut; Sycamore; Ash Hawthorn; Lime; | 16         | 450                | 4                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -             | -                | -                    |
| 134     | W    | Lime; Beech; Ash; And Field Maple. Hawthorn; Yew;  | 15         | 350                | 3                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -             | -                | -                    |
| 138     | W    | Horse Chestnut; Sycamore; Oak                      | 15         | 550                | 3                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | A        | 2            | -             | -                | -                    |
| 142     | W    | Ash; Oak; Sycamore. Hornbeam; Hawthorn             | 15         | 350                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -             | -                | -                    |
| 149     | W    | Sycamore; Oak; Ash; Elm; Hazel; Hawthorn           | 15         | 350                | 2                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -             | -                | -                    |

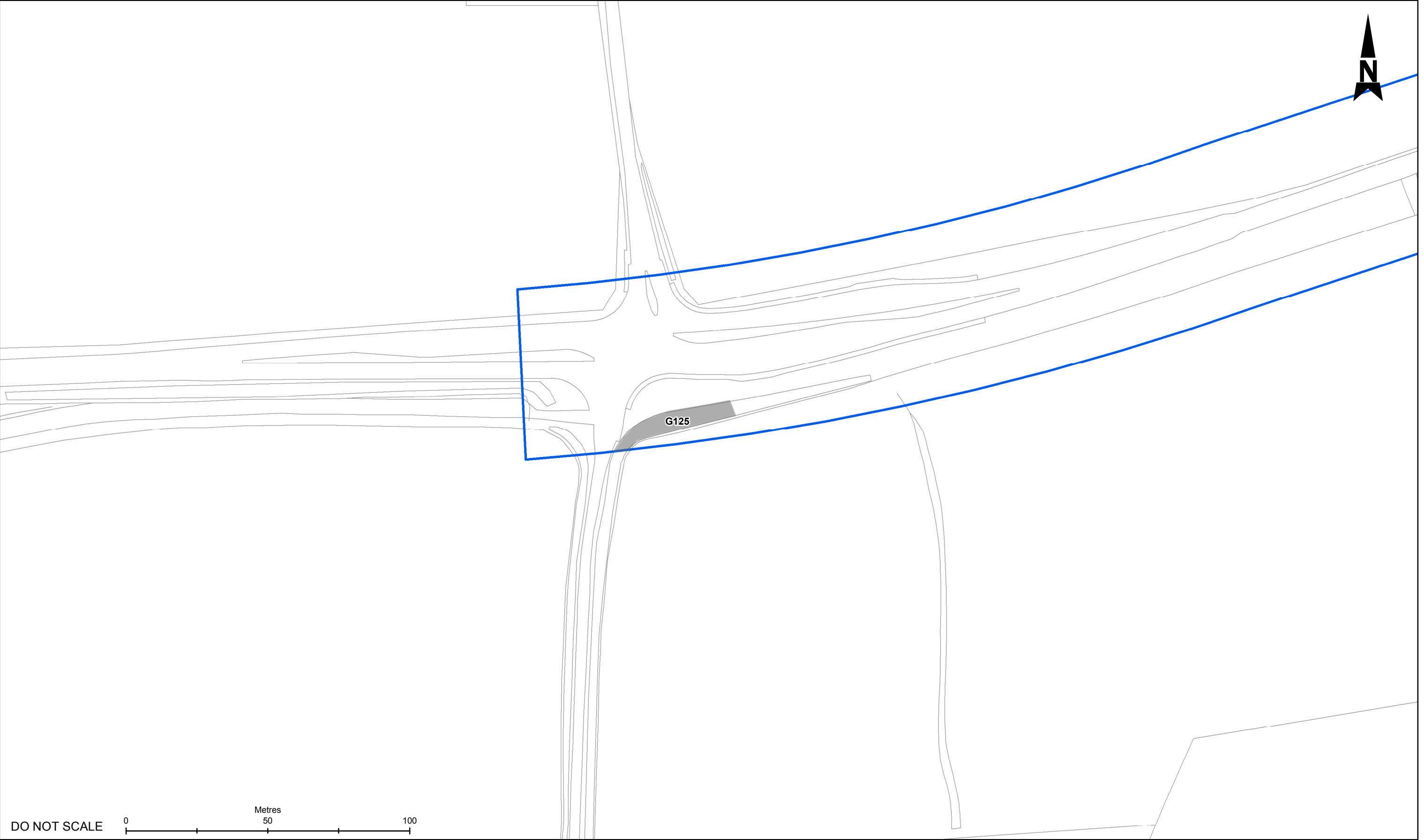


| TREE NO | TYPE | SPECIES  | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS   | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES                              | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|--|------------|--------------------|--------------------------|---------------------|----------------------|-------------|-------------------------|----------------------|--|----------|--------------|------------------------------------|------------------|----------------------|
| 150     | W    | Sycamore; Yew; Oak; Hawthorn; Hazel; Spindle       | 13         | 250                | 4                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -                                  | -                | -                    |
| 151     | W    | Oak; Sycamore; Field Maple; Poplar; Hazel          | 16         | 660                | 6                        | 0                   | 0                    | Ancient     | Good                    | Good                 | 40+                                      | A        | 01-Feb       |                                    | -                | -                    |
| 152     | W    | Ash; Poplar; Field Maple                           | 17         | 400                | 3                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 40+                                      | C        | 2            | -                                  | -                | -                    |
| 185     | W    | Ash; Willow; Field Maple                           | 13         | 300                | 2                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 40+                                      | B        | 2            | No safe access; All data estimated | -                | -                    |
| 210     | W    | Mixed Native                                       | 15         | 300                | 2                        | 0                   | 0                    | Semi-Mature | Good                    | Fair                 | 40+                                      | B        | 2            | -                                  | -                | -                    |
| 212     | W    | Mixed Native                                       | 15         | 300                | 2                        | 0                   | 0                    | Semi-Mature | Good                    | Fair                 | 40+                                      | B        | 2            | -                                  | -                | -                    |
| 213     | W    | Ash; Horse Chestnut; Beech; Hornbeam; Oak; Poplar; | 18         | 550                | 5                        | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -                                  | -                | -                    |
| 214     | W    | Beech  | 15         | 650                | 10                       | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -                                  | -                | -                    |
| 216     | W    | Beech  | 15         | 650                | 10                       | 0                   | 0                    | Mature      | Good                    | Good                 | 40+                                      | B        | 2            | -                                  | -                | -                    |
| 219     | W    | Ash; Hawthorn; Blackthorn                          | 10         | 300                | 5                        | 0                   | 0                    | Mature      | Fair                    | Fair                 | 40+                                      | B        | 2            | -                                  | -                | -                    |

| TREE NO | TYPE | SPECIES   | HEIGHT (m) | STEM DIAMETER (mm) | MAXIMUM CROWN SPREAD (m) | LOWEST CROWN HEIGHT | LOWEST BRANCH HEIGHT | AGE CLASS | PHYSIOLOGICAL CONDITION | STRUCTURAL CONDITION | ESTIMATED REMAINING CONTRIBUTION (YEARS) | CATEGORY | SUB-CATEGORY | NOTES | STATUTORY STATUS | ENVIRONMENTAL STATUS |
|---------|------|---|------------|--------------------|--------------------------|---------------------|----------------------|-----------|-------------------------|----------------------|--|----------|--------------|-------|------------------|----------------------|
| 221     | W    | Oak; Ash; Blackthorn; Hawthorn                    | 16         | 500                | 8                        | 0                   | 1                    | Mature    | Good                    | Good                 | 40+                                      | B        | 2            | -     | -                | -                    |
| 223     | W    | Lime; Ash; Oak; Field Maple; Hawthorn; Blackthorn | 18         | 600                | 8                        | 0                   | 0                    | Mature    | Good                    | Good                 | 40+                                      | B        | 2            | -     | -                | -                    |

# Appendix E

## ARBORICULTURAL BASELINE ASSESSMENT



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |   |
|----------------|---|
| Drawing Status | FINAL   |
| Suitability    | S0  |
| Project Title  | A27<br>EAST OF LEWES                                  |
| Drawing Title  | ARBORICULTURAL BASELINE<br>ASSESSMENT<br>PAGE 1 OF 38 |
| Scale          | 1:1,250   |
| Original Size  | A3  |
| Drawing Number | HE552988  |
| Project        | WSP   |
| Location       |   |

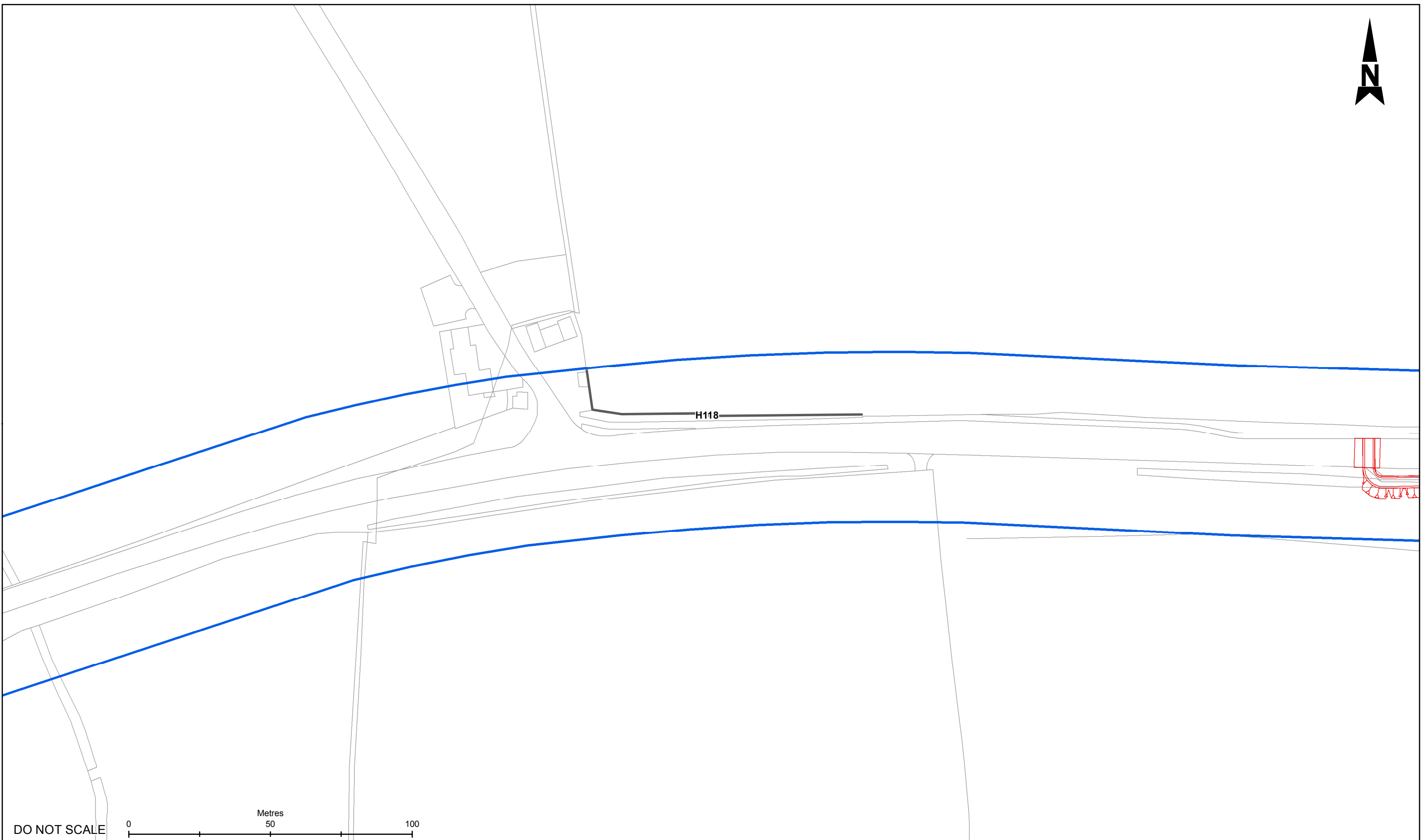
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|------------|----------|---------|------------------|----------|----------|------------|----------|
| Drawn      | AD       | Checked | JM               | Approved | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19         | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. |          | Revision |            |          |
| WSP        |          |         | 70035418         |          | P01      |            |          |
| Type       | Role     | Number  |                  |          |          |            |          |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 2 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: | Type | Role | Number

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|---------|-------|---------|----------|------------|
| 1:1,250 | AD    | JM      | JM       | JM         |

| Date     | Date     | Date     | Date     |
|----------|----------|----------|----------|
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Originator | Volume | Project Ref. No. |
|------------|--------|------------------|
| WSP        |        | 70035418         |

| Revision |
|----------|
| P01      |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 3 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

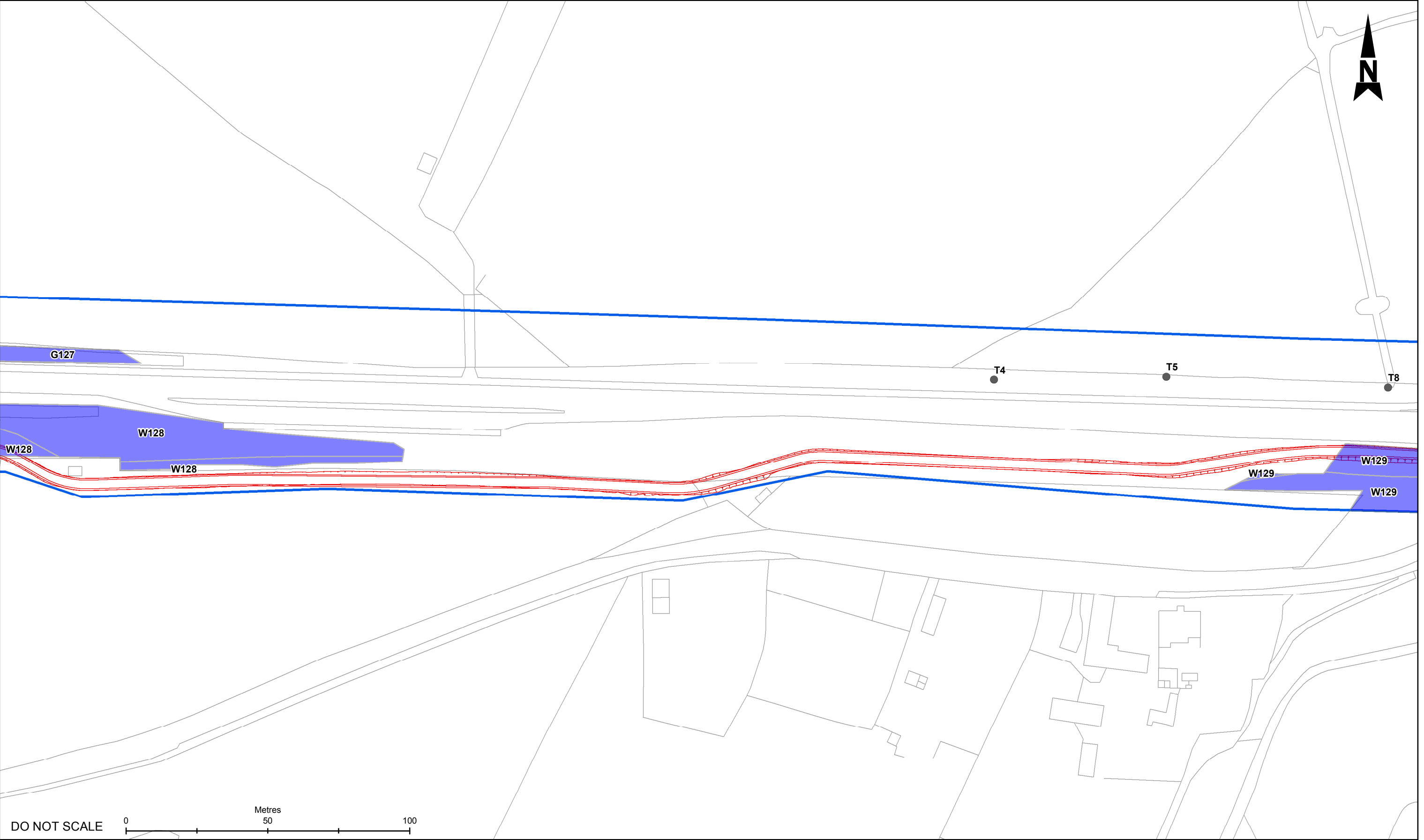
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|-------|----------|---------|----------|----------|----------|------------|----------|
| Drawn | AD       | Checked | JM       | Approved | JM       | Authorised | JM       |
| Date  | 11/02/19 | Date    | 11/02/19 | Date     | 11/02/19 | Date       | 11/02/19 |

|            |        |                  |          |
|------------|--------|------------------|----------|
| Originator | Volume | Project Ref. No. | Revision |
| WSP        |        | 70035418         | P01      |

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**KEY:**

— Proposed Scheme

▭ Arboricultural Study Area

▨ Tree Preservation Order

▭ Unsurveyed Area

▭ Ancient Woodland

▨ Ancient Woodland + 15m

**Tree Category**

▭ A

▭ B

▭ C

▭ U

▴ Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                  |   |
|------------------|---|
| Drawing Status   | FINAL   |
| Suitability      | S0  |
| Project Title    | A27 EAST OF LEWES                               |
| Drawing Title    | ARBORICULTURAL BASELINE ASSESSMENT PAGE 4 OF 38 |
| Scale            | 1:1,250   |
| Drawn            | AD  |
| Checked          | JM  |
| Approved         | JM  |
| Authorised       | JM  |
| Original Size    | A3  |
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| Date             | 11/02/19  |
| Date             | 11/02/19  |
| Date             | 11/02/19  |
| Drawing Number   | HE552988  |
| Project          | WSP   |
| Originator       | WSP   |
| Volume           |   |
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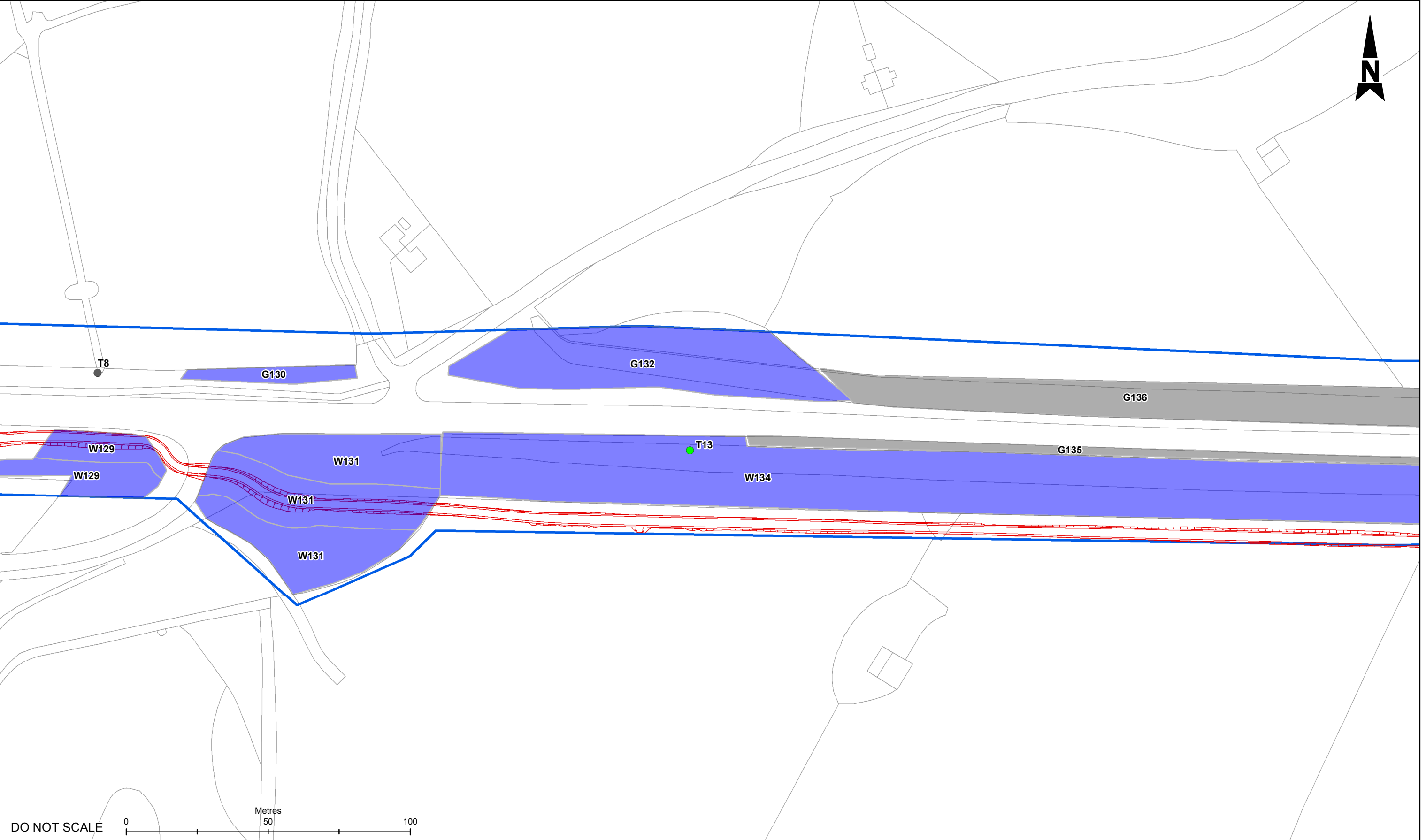
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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 5 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

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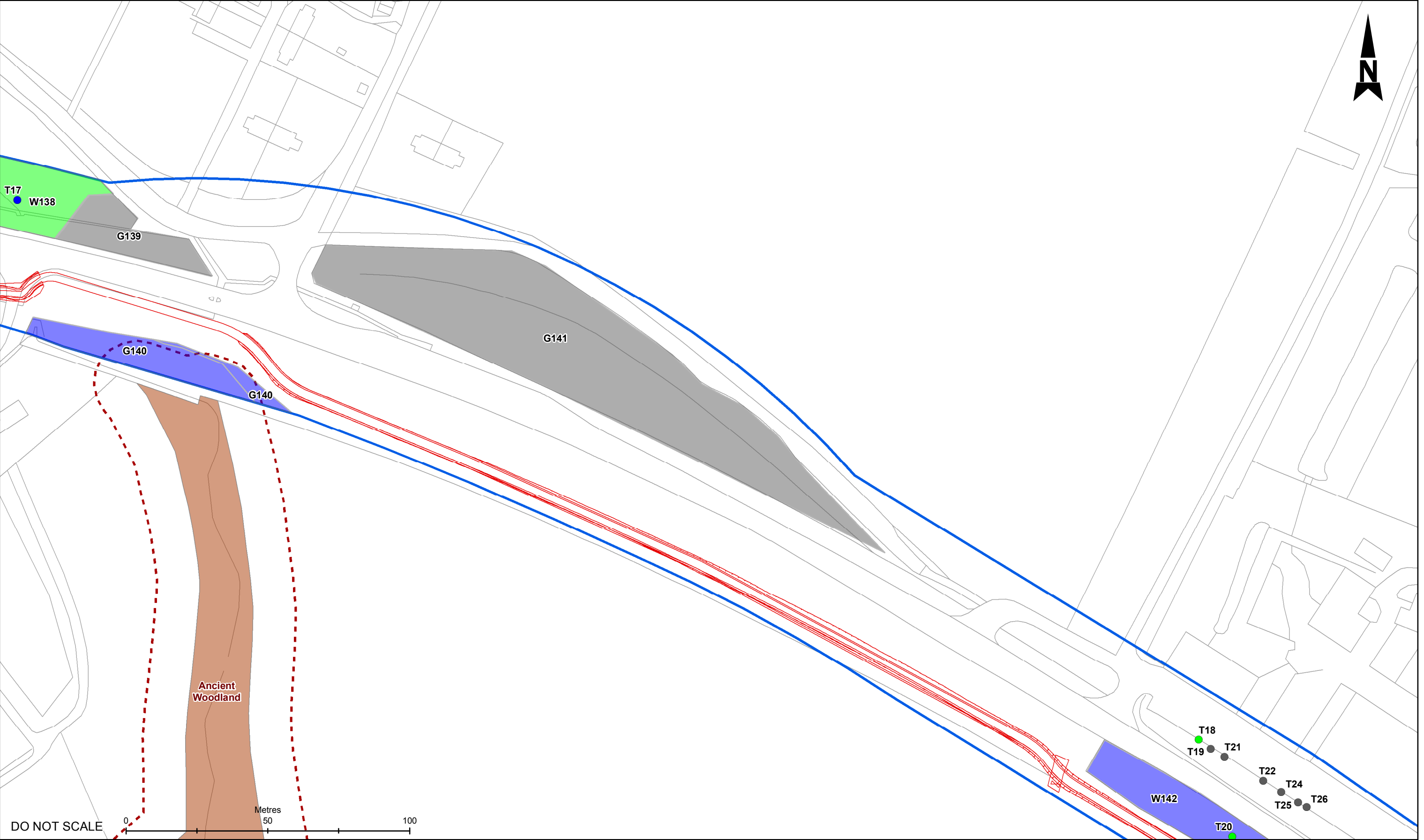
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| Drawing Number | Originator | Volume | Project Ref. No. |
| HE552988       | WSP        |        | 70035418         |

|          |          |
|----------|----------|
| Revision | Revision |
| P01      |          |







**KEY:**

— Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 7 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

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| Date     | Date     | Date     | Date     |
|----------|----------|----------|----------|
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Originator | Volume | Project Ref. No. | Revision |
|------------|--------|------------------|----------|
| WSP        |        | 70035418         | P01      |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Tree Preservation Order
- Unsurveyed Area
- Ancient Woodland
- Ancient Woodland + 15m

**Tree Category**

- A
- B
- C
- U
- Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

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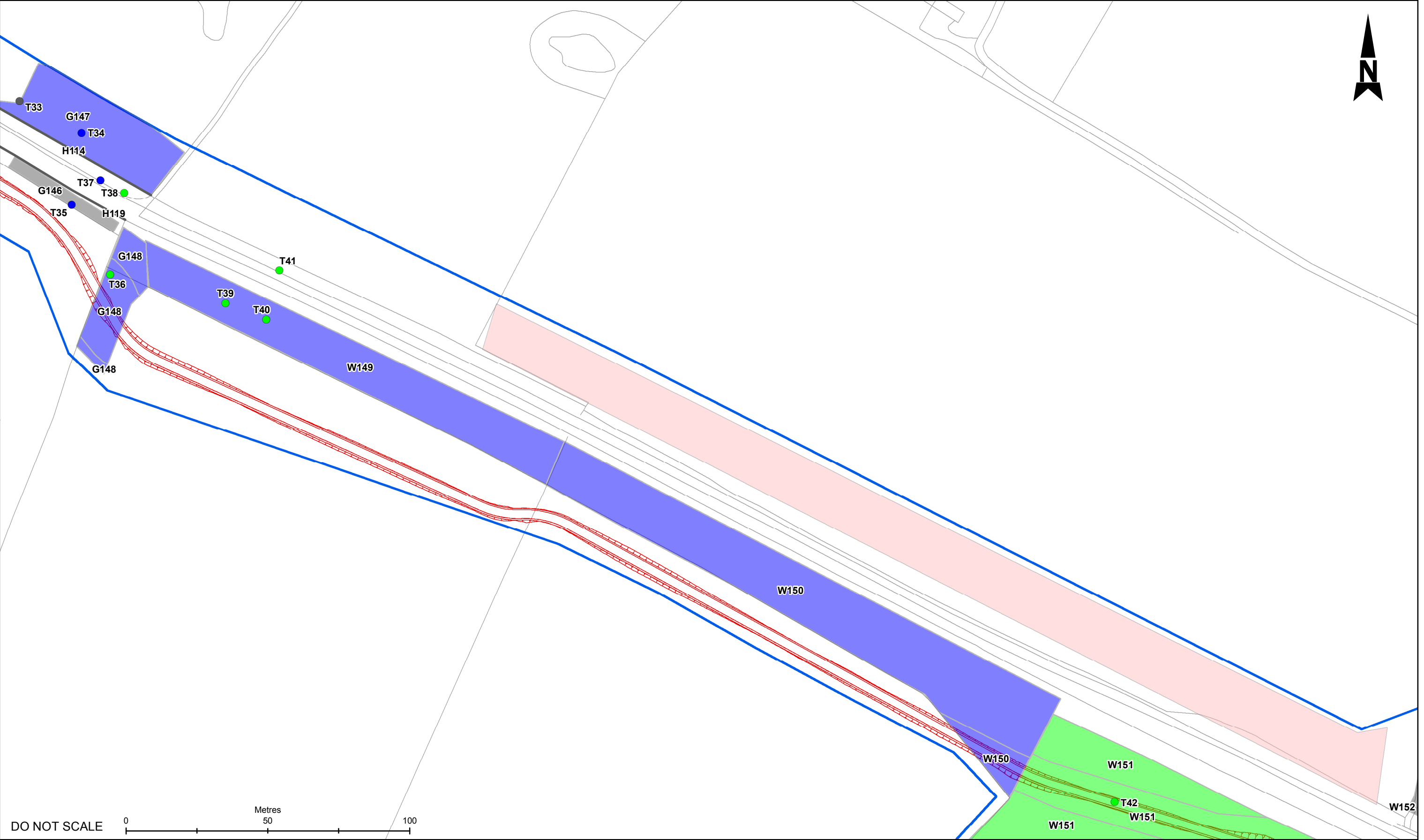
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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 8 OF 38**

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| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No. 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
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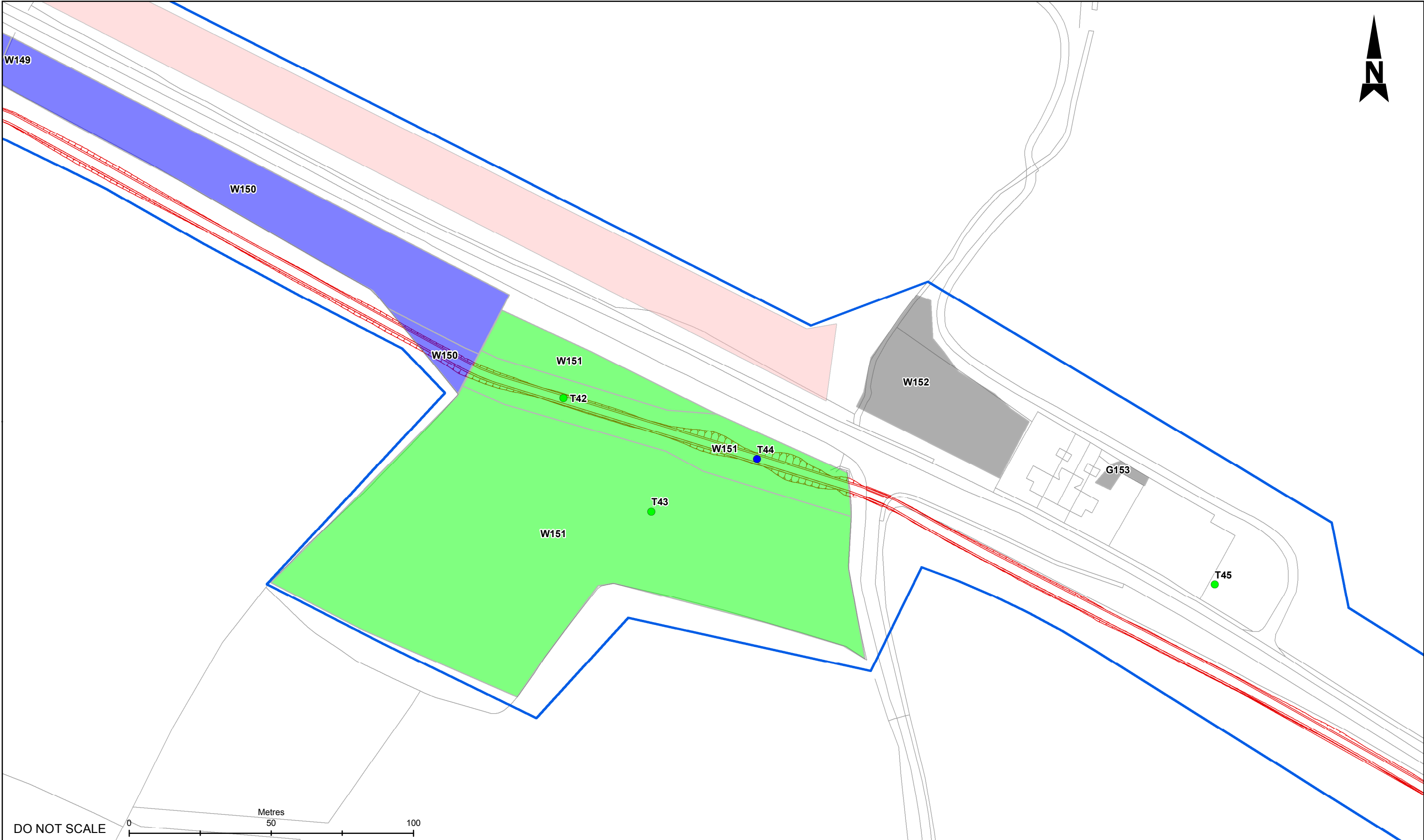
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| Suitability      | S0  |
| Project Title    | A27 EAST OF LEWES                               |
| Drawing Title    | ARBORICULTURAL BASELINE ASSESSMENT PAGE 9 OF 38 |
| Scale            | 1:1,250   |
| Drawn            | AD  |
| Checked          | JM  |
| Approved         | JM  |
| Authorised       | JM  |
| Original Size    | A3  |
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| Date             | 11/02/19  |
| Date             | 11/02/19  |
| Drawing Number   | HE552988  |
| Project          | WSP   |
| Originator       | WSP   |
| Volume           |   |
| Project Ref. No. | 70035418  |
| Revision         | P01   |
| Location         |   |
| Type             |   |
| Role             |   |
| Number           |   |

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 10 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

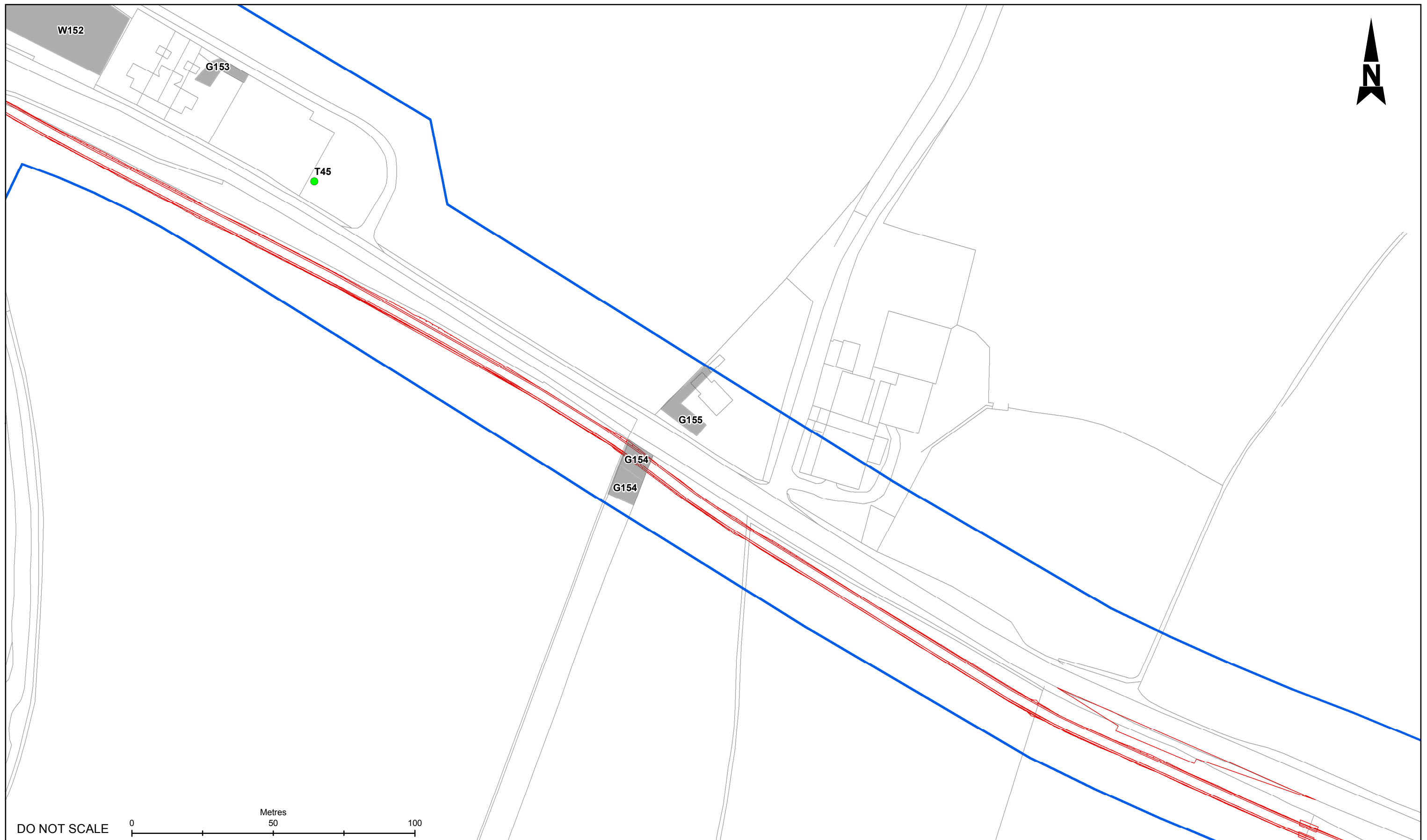
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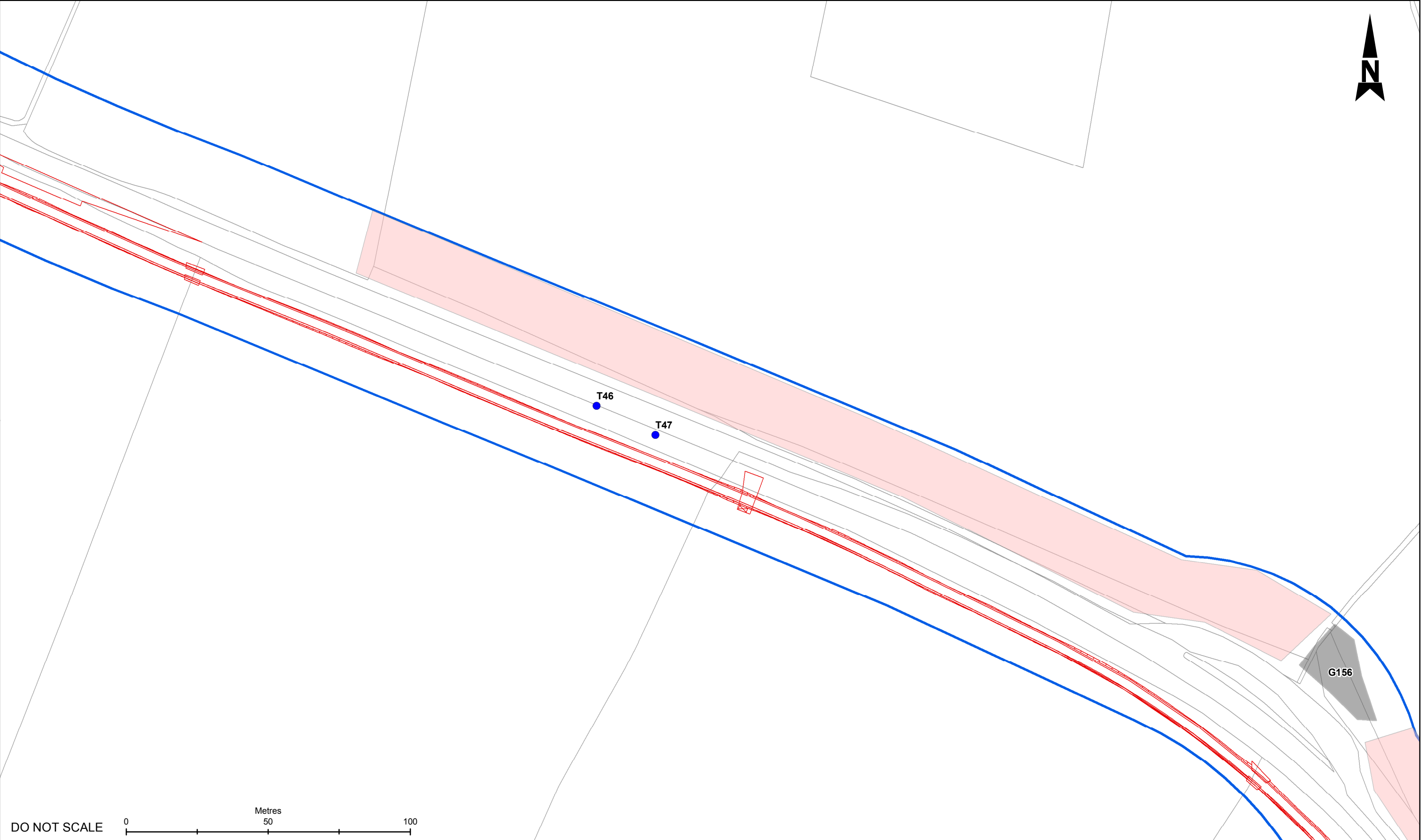
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| Drawn | AD       | Checked | JM       | Approved | JM       | Authorised | JM       |
| Date  | 11/02/19 | Date    | 11/02/19 | Date     | 11/02/19 | Date       | 11/02/19 |

|                |         |            |        |                  |          |
|----------------|---------|------------|--------|------------------|----------|
| Drawing Number | Project | Originator | Volume | Project Ref. No. | Revision |
| HE552988       | WSP     |            |        | 70035418         | P01      |



|   |  |  |  |  |  |  |  |   |  |   |  |   |  |  |  |  |  |   |  |
|---|--|--|--|--|--|--|--|---|--|---|--|---|--|--|--|--|--|---|--|
| <b>KEY:</b><br><br> Proposed Scheme<br> Arboricultural Study Area<br> Tree Preservation Order<br> Unsurveyed Area<br> Ancient Woodland<br> Ancient Woodland + 15m |  | <b>Tree Category</b><br><br> A<br> B<br> C<br> U<br> Veteran Tree |  |  |  | <b>SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION</b><br><br>In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).<br><b>Construction</b><br><br><b>Maintenance / Cleaning</b><br><br><b>Use</b><br><br><b>Decommissioning / Demolition</b> |  | Drawing Status<br><b>FINAL</b><br><br><br>WSP House<br>70 Chancery Lane<br>London<br>WC2A 1AF<br>Tel: +44 (0)20 7314 5000<br>www.wspgroup.co.uk<br>www.pbworld.com<br><br>Copyright © WSP Group (2018) |  | Subtality<br><b>S0</b><br><br>Project Title<br><b>A27 EAST OF LEWES</b><br><br>Drawing Title<br><b>ARBORICULTURAL BASELINE ASSESSMENT PAGE 11 OF 38</b> |  | Scale<br><b>1:1,250</b><br>Drawn<br><b>AD</b><br>Checked<br><b>JM</b><br>Approved<br><b>JM</b><br>Authorised<br><b>JM</b> |  | Original Size<br><b>A3</b><br>Date<br><b>11/02/19</b><br>Date<br><b>11/02/19</b><br>Date<br><b>11/02/19</b><br>Date<br><b>11/02/19</b> |  | Drawing Number<br><b>HE552988</b><br>Project<br><b>WSP</b><br>Location<br><b>WSP</b><br>Type<br><b>WSP</b><br>Role<br><b>WSP</b><br>Number<br><b>WSP</b> |  | Project Ref. No.<br><b>70035418</b><br>Revision<br><b>P01</b> |  |
|---|--|--|--|--|--|--|--|---|--|---|--|---|--|--|--|--|--|---|--|





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

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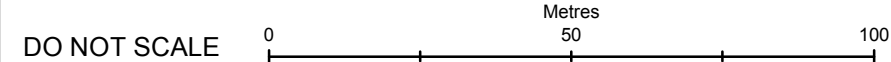
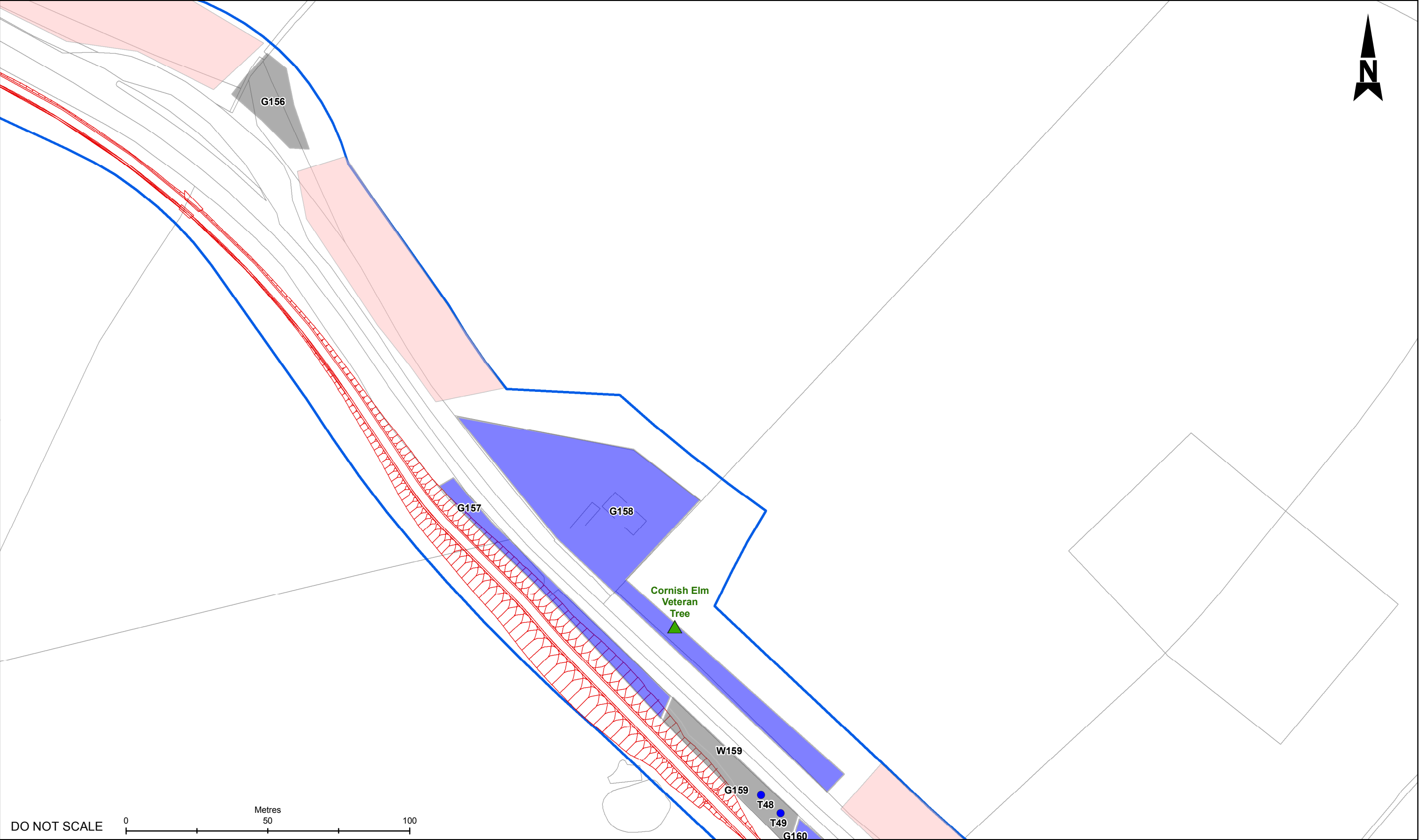
Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 12 OF 38**

|                   |                |                |                |                |
|-------------------|----------------|----------------|----------------|----------------|
| Scale: 1:1,250    | Drawn: AD      | Checked: JM    | Approved: JM   | Authorised: JM |
| Original Size: A3 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 |

|                          |              |                 |             |                           |
|--------------------------|--------------|-----------------|-------------|---------------------------|
| Drawing Number: HE552988 | Project: WSP | Originator: WSP | Volume: WSP | Project Ref. No. 70035418 |
| Location:                | Type:        | Role:           | Number:     | Revision: P01             |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL BASELINE ASSESSMENT PAGE 13 OF 38

Scale: 1:1,250

Original Size: A3

Drawing Number: HE552988

Project: WSP

Location: |Type |Role |Number

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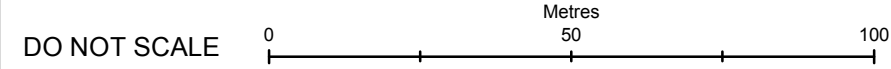
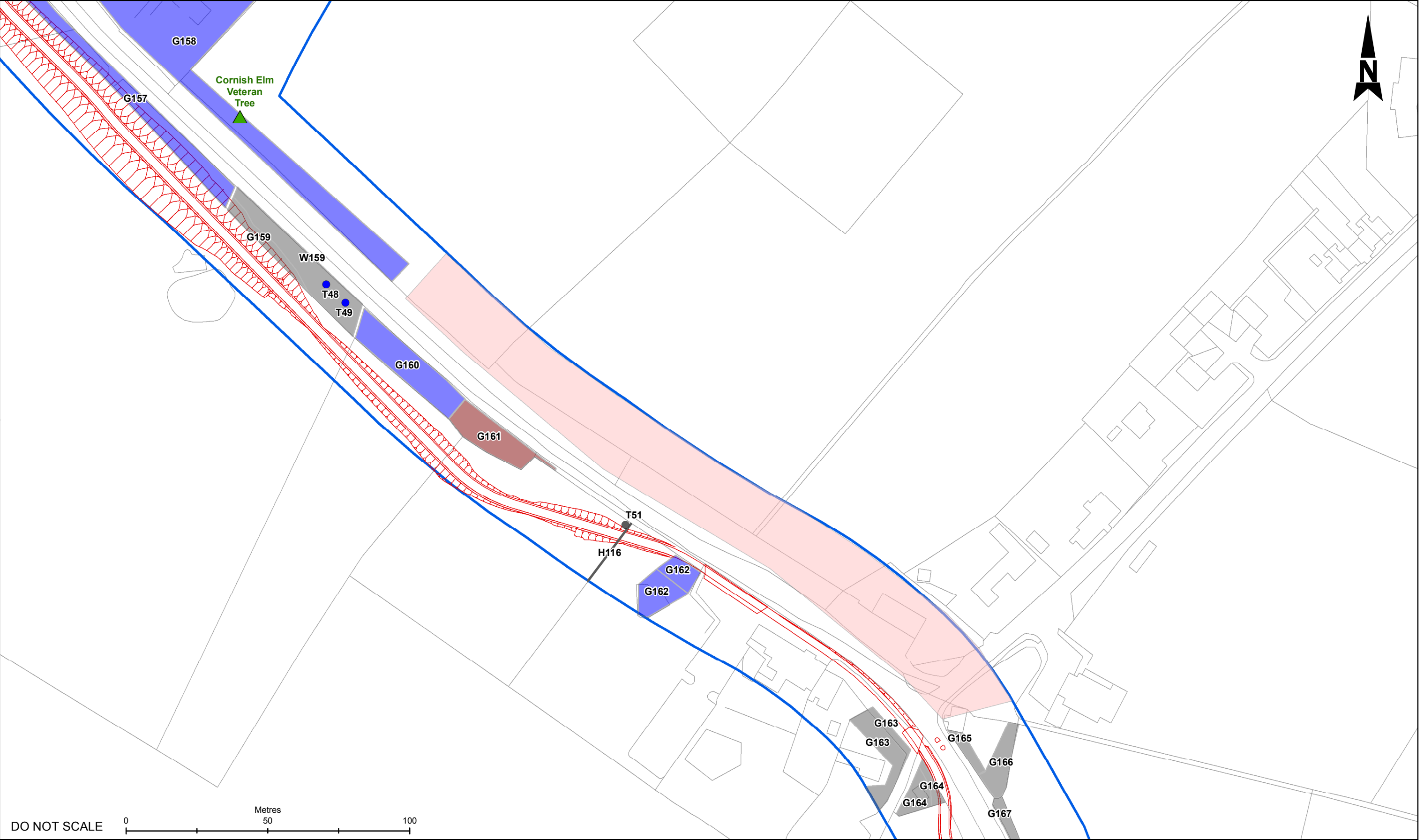
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|          |          |          |            |
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| Drawn    | Checked  | Approved | Authorised |
| AD       | JM       | JM       | JM         |
| Date     | Date     | Date     | Date       |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19   |

Project Ref. No. 70035418

Revision P01





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL BASELINE ASSESSMENT PAGE 14 OF 38

Scale: 1:1,250

Original Size: A3

Drawing Number: HE552988

Project: WSP

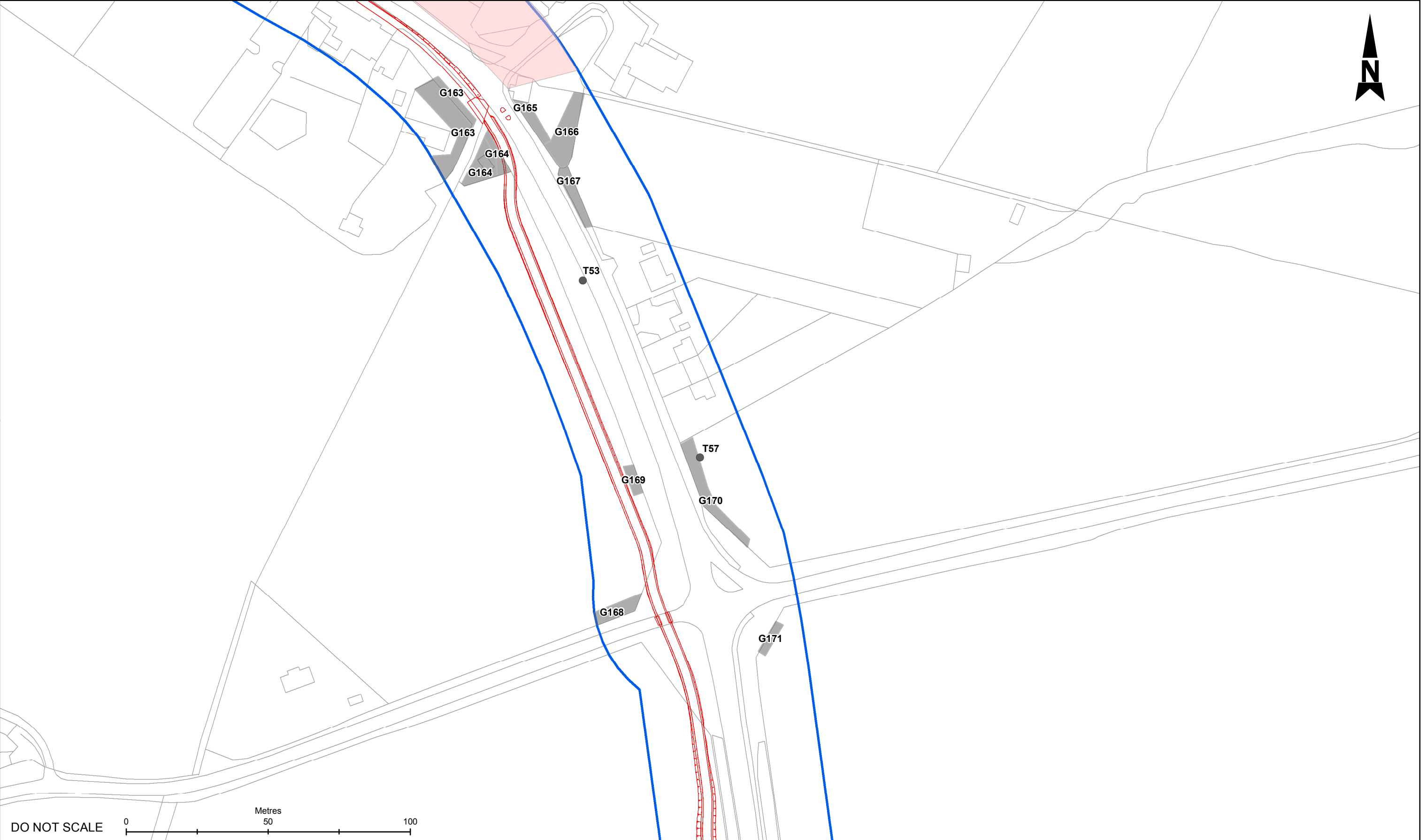
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|                |              |          |          |            |
|----------------|--------------|----------|----------|------------|
| Scale          | Drawn        | Checked  | Approved | Authorised |
| 1:1,250        | AD           | JM       | JM       | JM         |
| Original Size  | Date         | Date     | Date     | Date       |
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| Drawing Number | Originator   |          | Volume   |            |
| Project        | HE552988 WSP |          | P01      |            |
| Drawing Number | Revision     |          | P01      |            |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

P01.1

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First Issue

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| Rev. | Date | Description | By | Chk'd | App'd |
|------|------|-------------|----|-------|-------|
|      |      |             |    |       |       |

Drawing Status

FINAL

Suitability

S0

Project Title

A27  
EAST OF LEWES

Drawing Title

ARBORICULTURAL BASELINE  
ASSESSMENT  
PAGE 15 OF 38

Scale

1:1,250

Drawn

AD

Checked

JM

Approved

JM

Authorised

JM

Original Size

A3

Date

11/02/19

Date

11/02/19

Date

11/02/19

Date

11/02/19

Drawing Number

HE552988

Project

WSP

Originator

WSP

Volume

Project Ref. No.

70035418

Revision

P01

Location

Type

Role

Number

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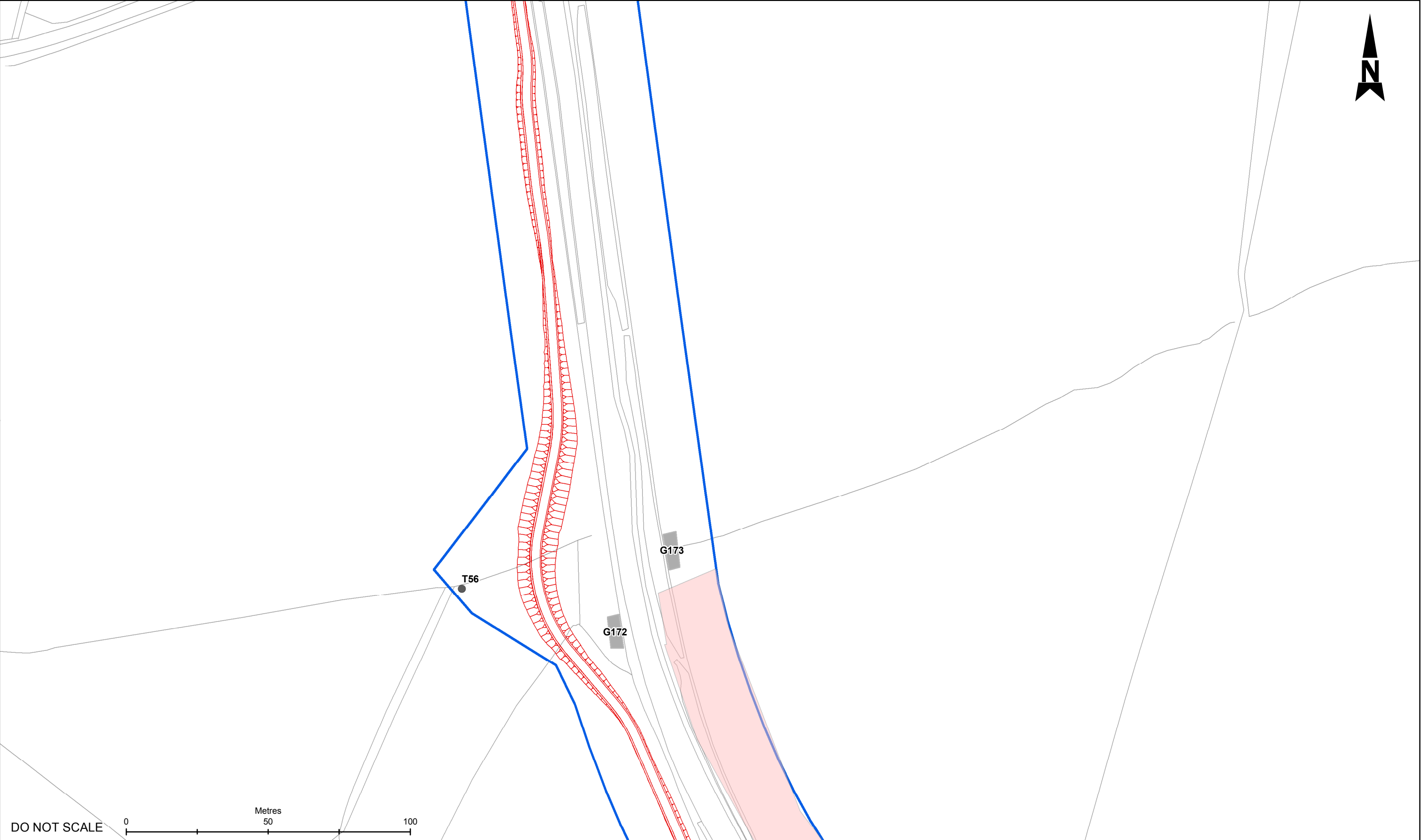
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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27<br>EAST OF LEWES                                   |
| Drawing Title  | ARBORICULTURAL BASELINE<br>ASSESSMENT<br>PAGE 16 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |

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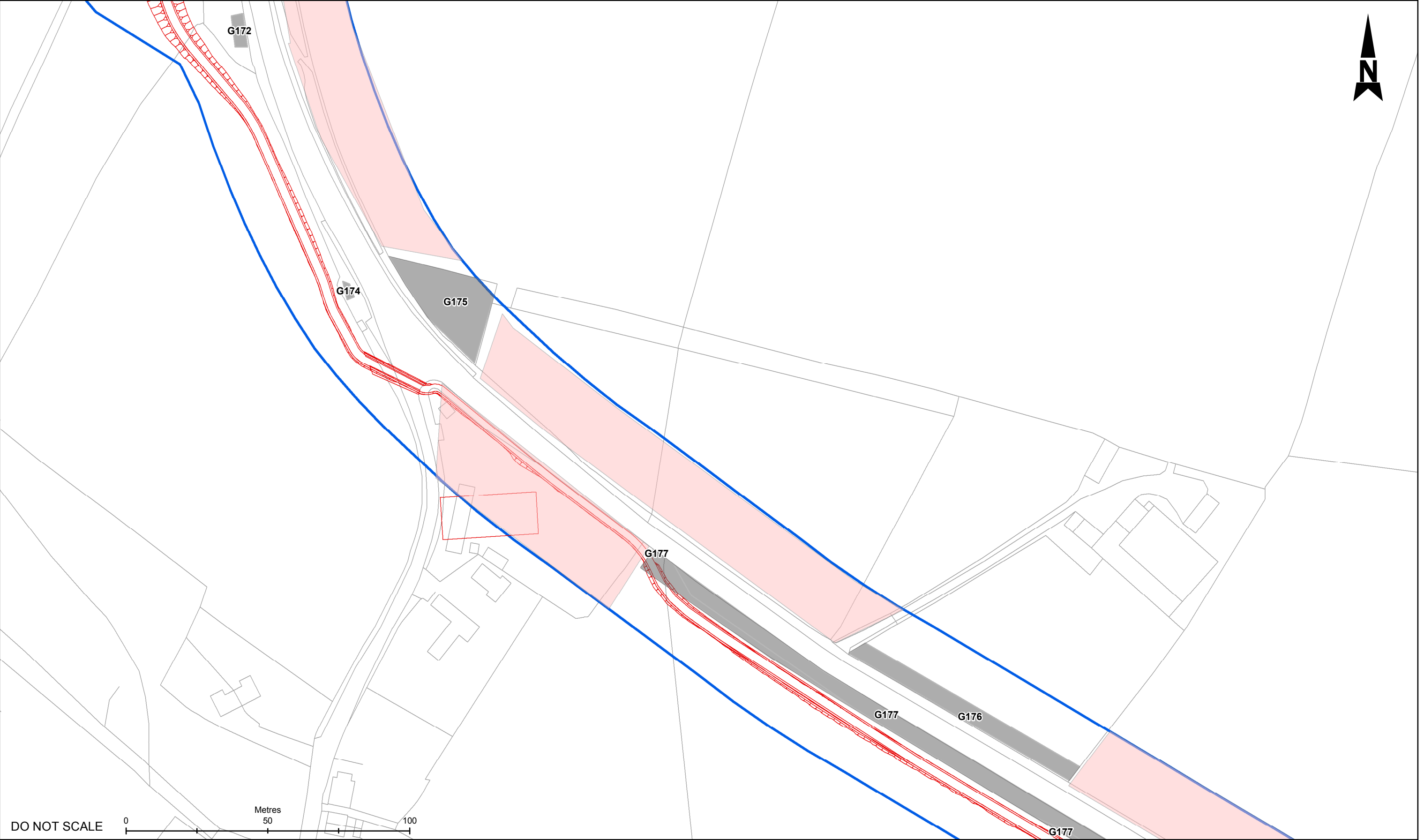
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| Date       | 11/02/19 | Date    | 11/02/19         | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. |          | Revision |            |          |
| HE552988   | WSP      |         | 70035418         |          | P01      |            |          |
| Type       | Role     | Number  |                  |          |          |            |          |





**KEY:**

— Proposed Scheme

▭ Arboricultural Study Area

▨ Tree Preservation Order

▭ Unsurveyed Area

▭ Ancient Woodland

▨ Ancient Woodland + 15m

**Tree Category**

▭ A

▭ B

▭ C

▭ U

▴ Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 17 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |

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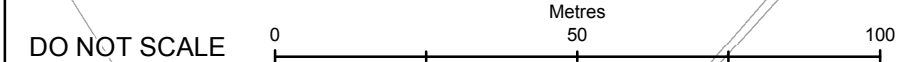
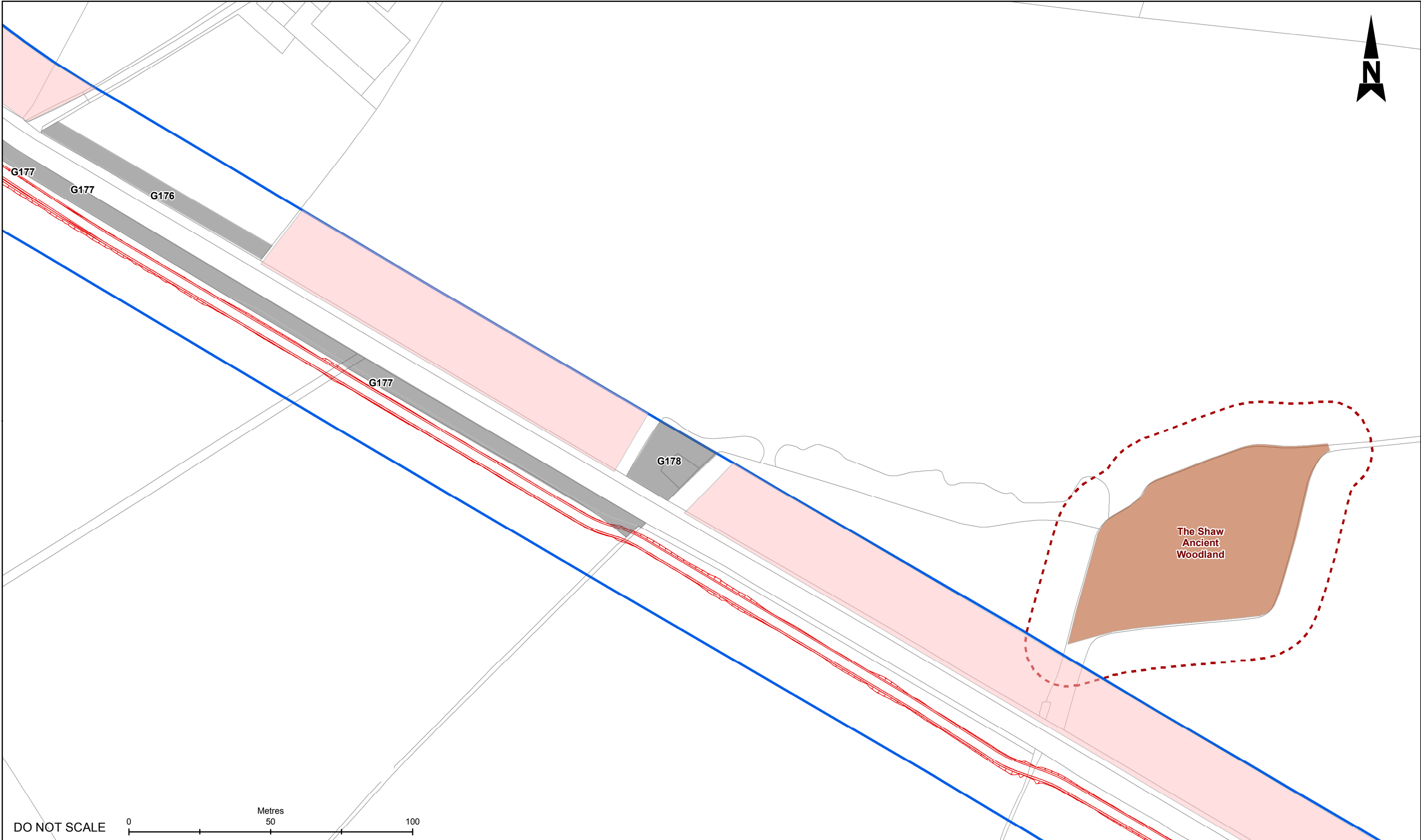
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|------------|----------|---------|------------------|----------|----------|------------|----------|
| Drawn      | AD       | Checked | JM               | Approved | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19         | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. |          | Revision |            |          |
| WSP        |          |         | 70035418         |          | P01      |            |          |
| Type       | Role     | Number  |                  |          |          |            |          |

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**KEY:**

— Proposed Scheme

▭ Arboricultural Study Area

▨ Tree Preservation Order

▭ Unsurveyed Area

▭ Ancient Woodland

▭ Ancient Woodland + 15m

**Tree Category**

▭ A

▭ B

▭ C

▭ U

▲ Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

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Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

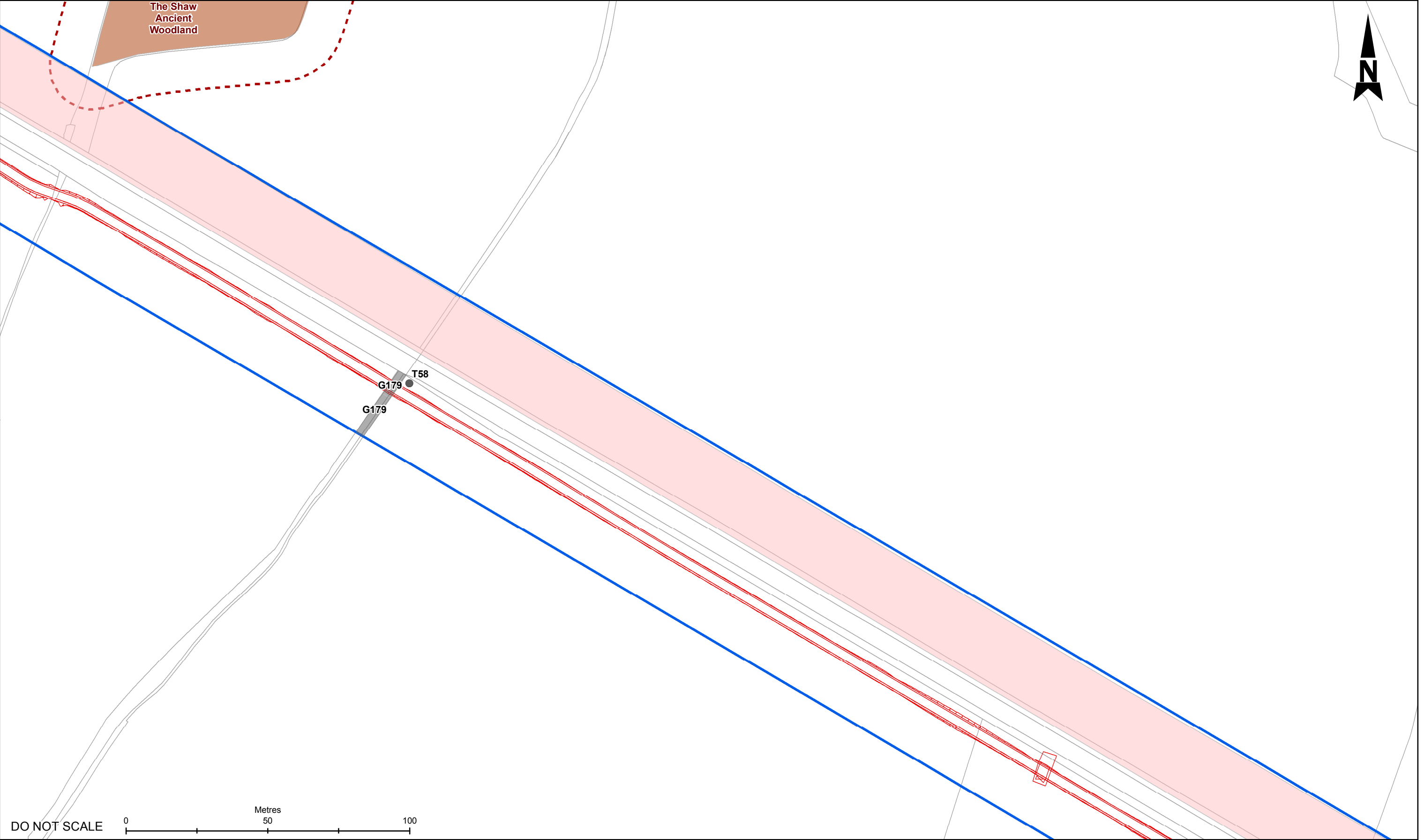
Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 18 OF 38**

| Scale   | Drawn | Checked | Approved | Authorised |
|---------|-------|---------|----------|------------|
| 1:1,250 | AD    | JM      | JM       | JM         |

| Original Size | Date     | Date     | Date     | Date     |
|---------------|----------|----------|----------|----------|
| A3            | 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Drawing Number | Project | Originator | Volume | Project Ref. No. |
|----------------|---------|------------|--------|------------------|
| HE552988       | WSP     |            |        | 70035418         |

| Location | Type | Role | Number | Revision |
|----------|------|------|--------|----------|
|          |      |      |        | P01      |



**KEY:**

— Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 19 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |

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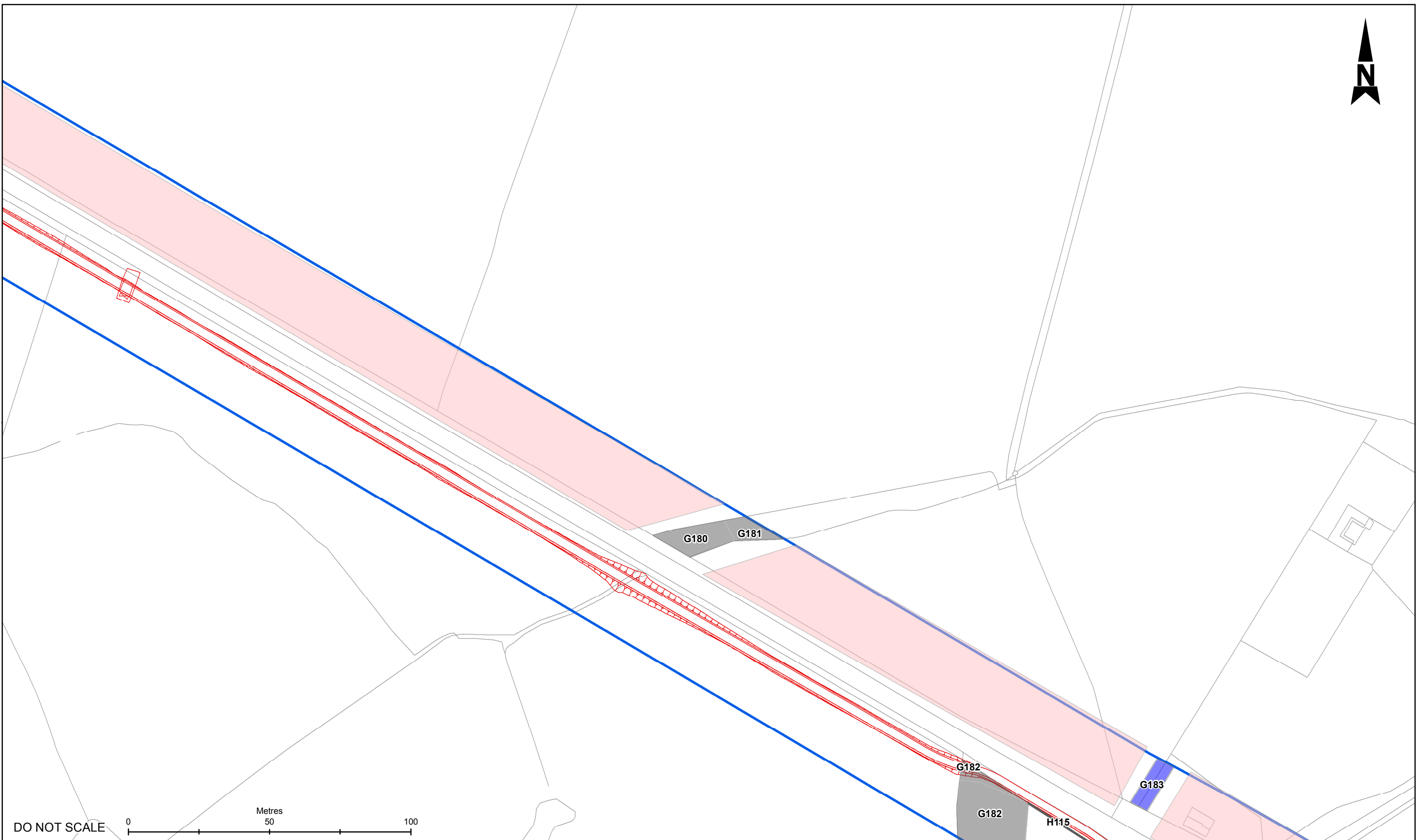
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| Drawn      | AD       | Checked | JM               | Approved | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19         | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. |          | Revision |            |          |
| WSP        |          |         | 70035418         |          | P01      |            |          |
| Type       | Role     | Number  |                  |          |          |            |          |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 20 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

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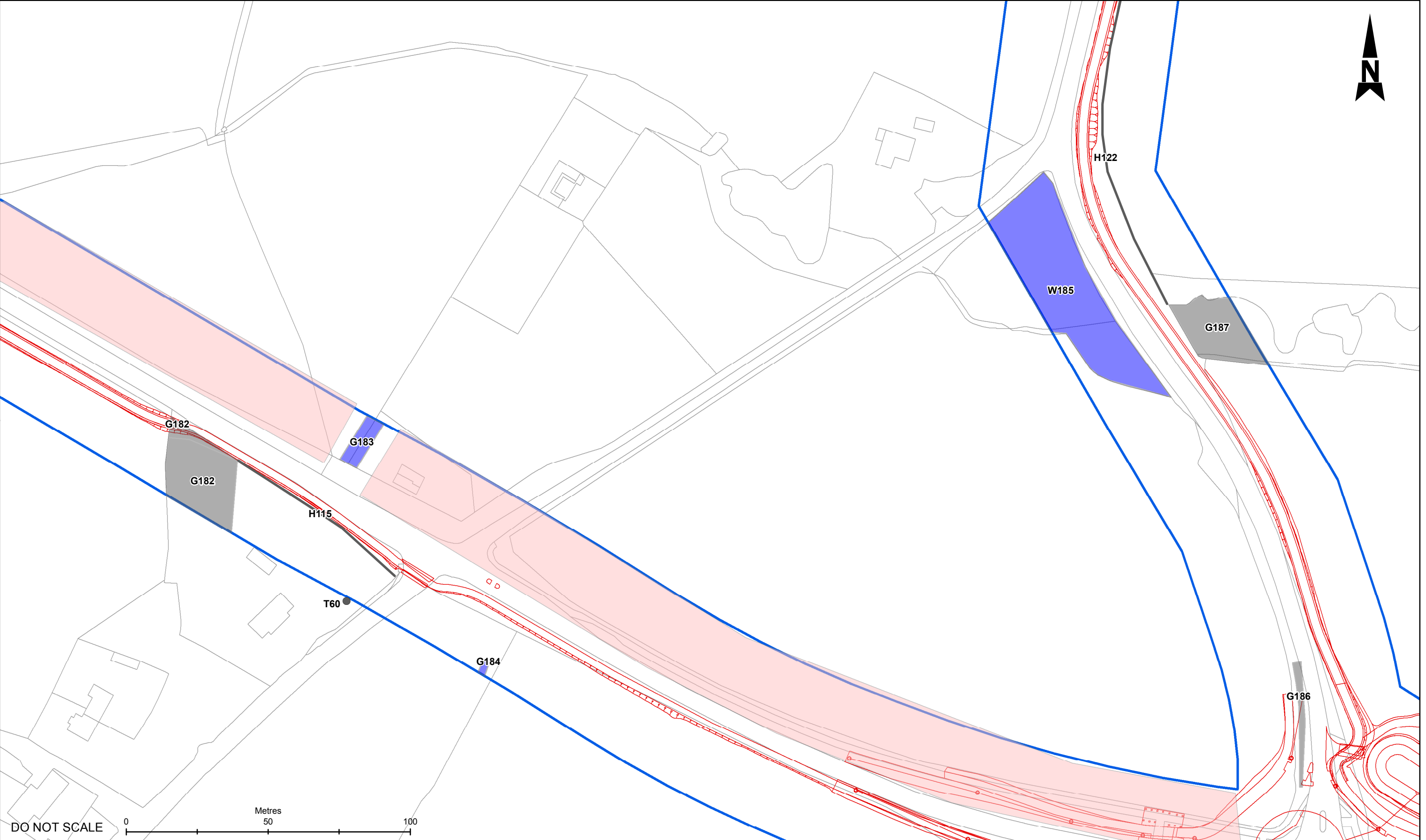
Client: **Working on behalf of highways england**

| Scale   | Drawn | Checked | Approved | Authorised |
|---------|-------|---------|----------|------------|
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| Original Size | Date     | Date     | Date     | Date     |
|---------------|----------|----------|----------|----------|
| A3            | 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Drawing Number | Originator | Volume | Project Ref. No. |
|----------------|------------|--------|------------------|
| HE552988       | WSP        |        | 70035418         |

| Revision | Revision |
|----------|----------|
| P01      |          |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 21 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Project        | HE552988   |
| Location       |  |

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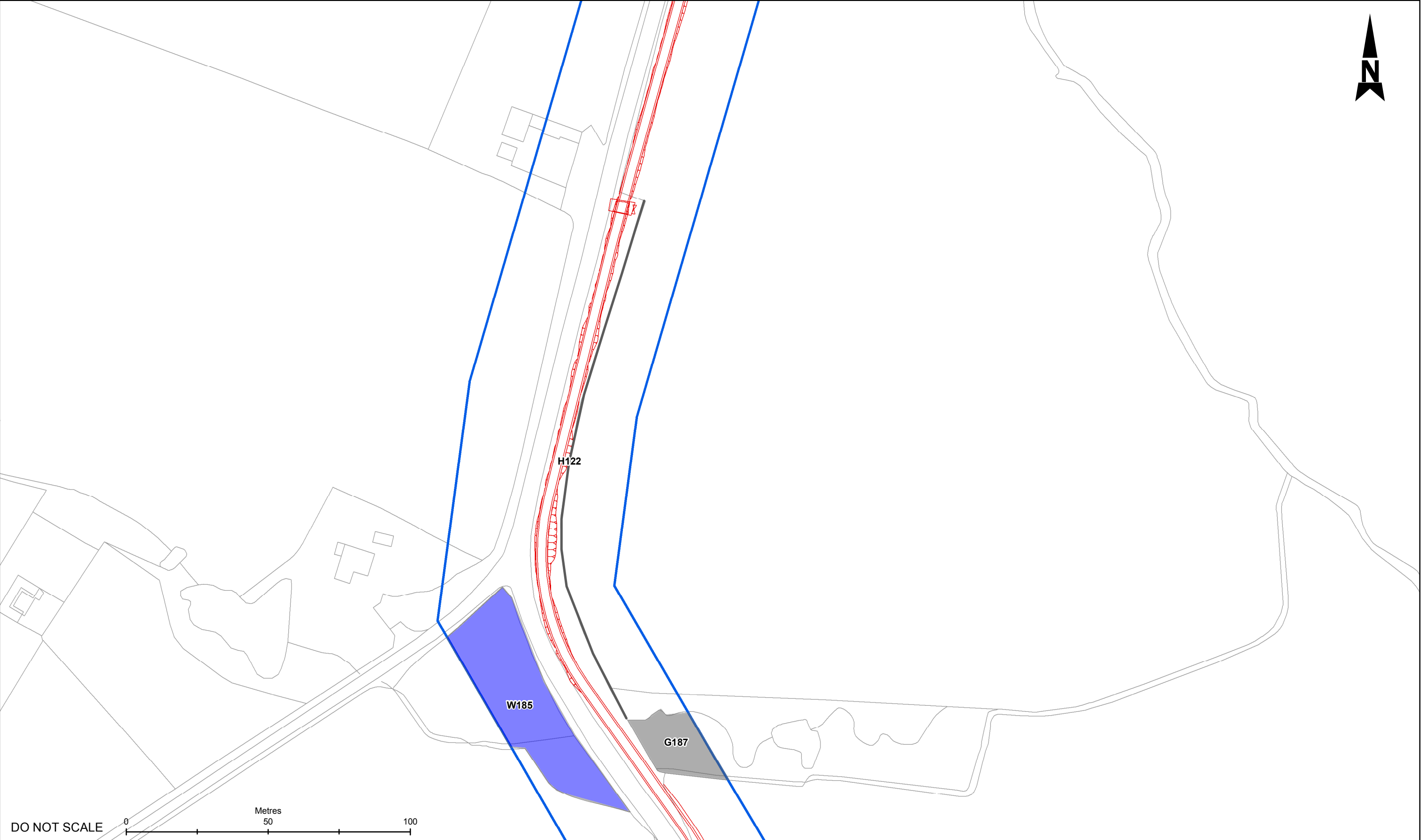
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|          |          |            |          |          |          |                  |          |
|----------|----------|------------|----------|----------|----------|------------------|----------|
| Drawn    | AD       | Checked    | JM       | Approved | JM       | Authorised       | JM       |
| Date     | 11/02/19 | Date       | 11/02/19 | Date     | 11/02/19 | Date             | 11/02/19 |
| Project  | HE552988 | Originator | WSP      | Volume   |          | Project Ref. No. | 70035418 |
| Location |          | Type       |          | Role     |          | Revision         | P01      |

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27<br>EAST OF LEWES                                   |
| Drawing Title  | ARBORICULTURAL BASELINE<br>ASSESSMENT<br>PAGE 22 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |

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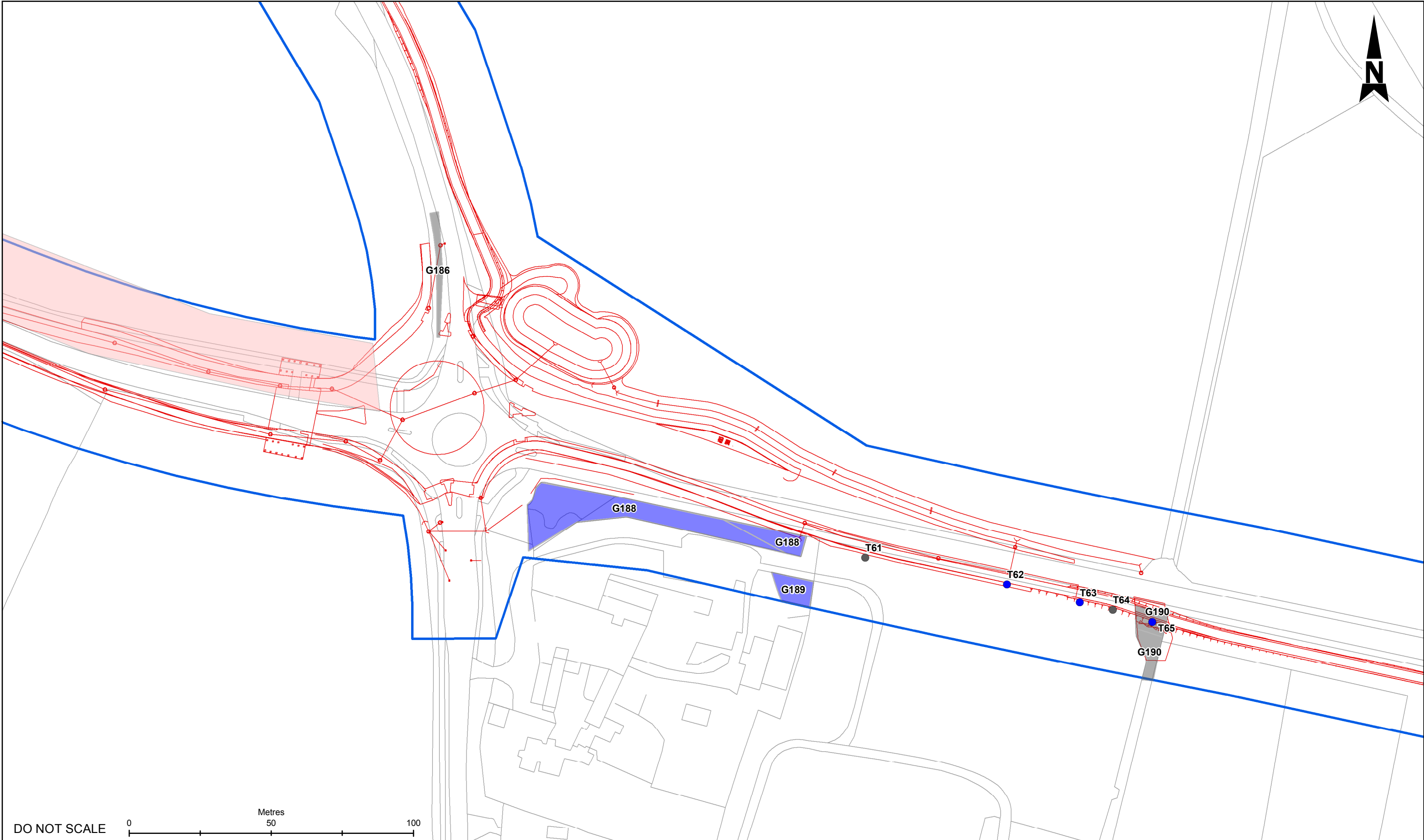
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|            |          |         |                  |          |          |            |          |
|------------|----------|---------|------------------|----------|----------|------------|----------|
| Drawn      | AD       | Checked | JM               | Approved | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19         | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. |          | Revision |            |          |
| HE552988   | WSP      |         | 70035418         |          | P01      |            |          |
| Type       | Role     | Number  |                  |          |          |            |          |

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 23 OF 38 |
| Scale          | 1:1,250  |
| Drawn          | AD   |
| Checked        | JM   |
| Approved       | JM   |
| Authorised     | JM   |
| Original Size  | A3   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |
| Type           |  |
| Role           |  |
| Number         |  |

WSP

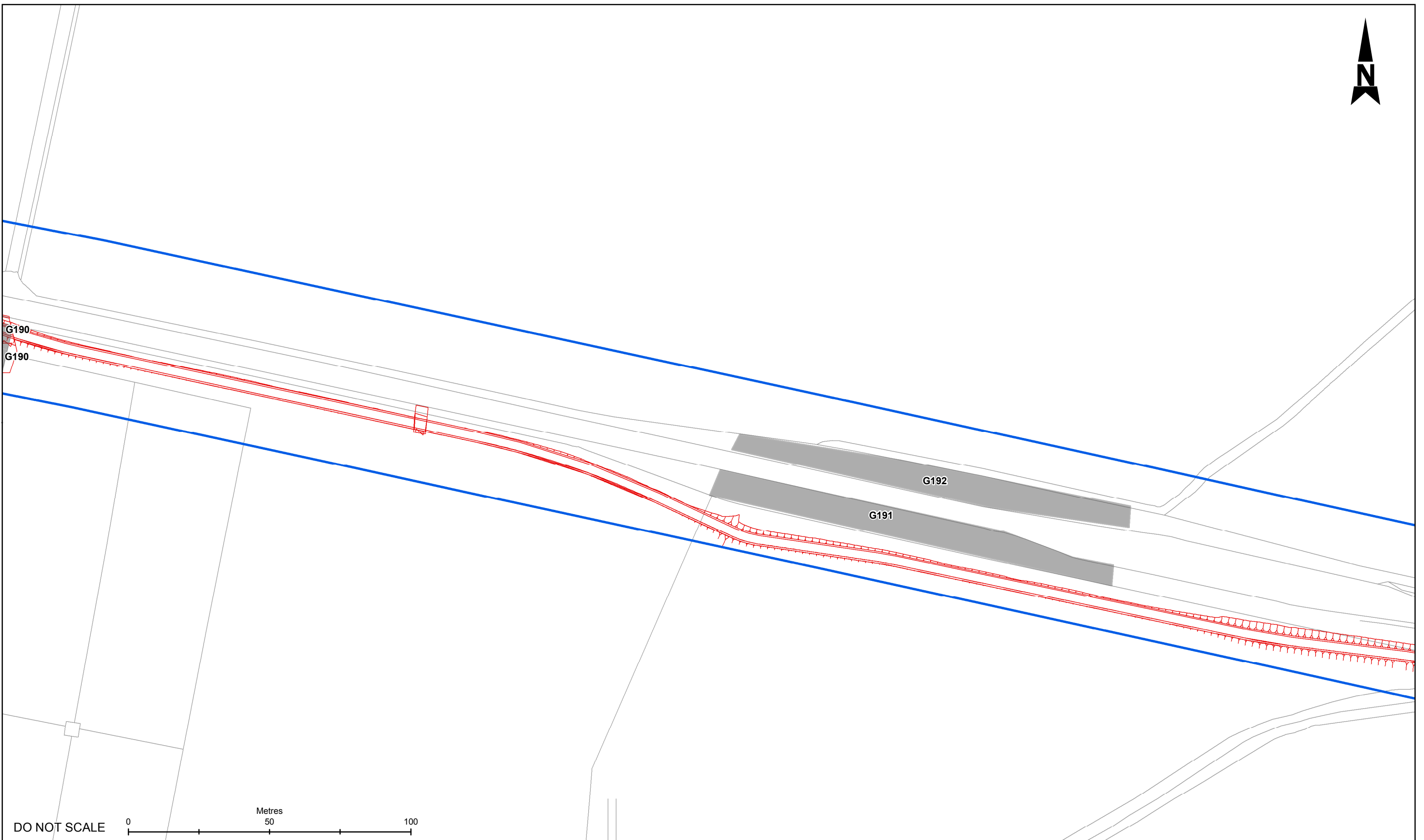
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|------------------|----------|
| Project Ref. No. | 70035418 |
| Revision         | P01      |

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 24 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: | Type | Role | Number

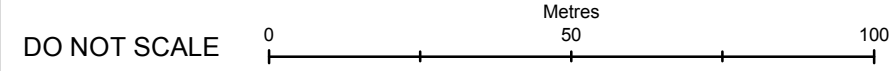
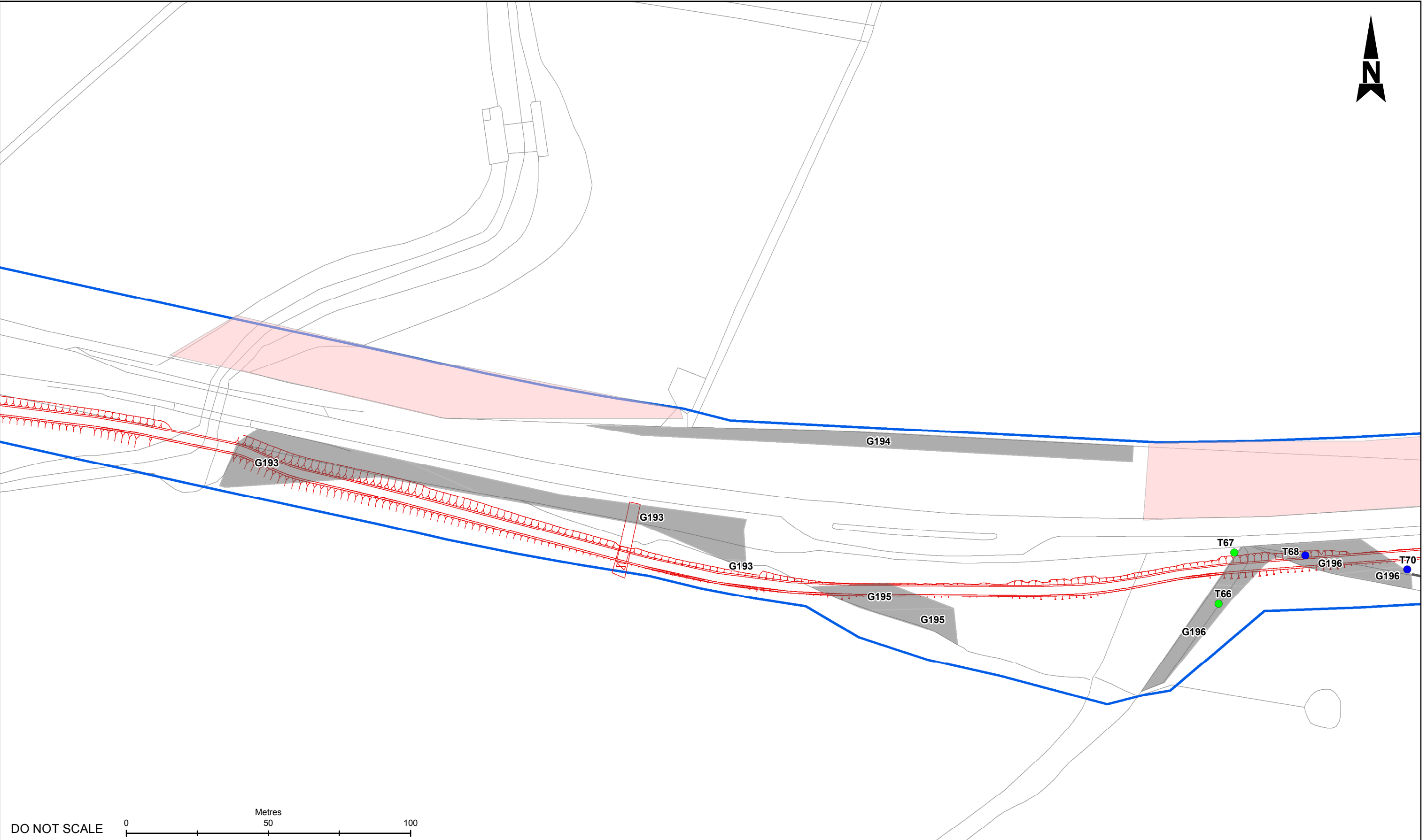
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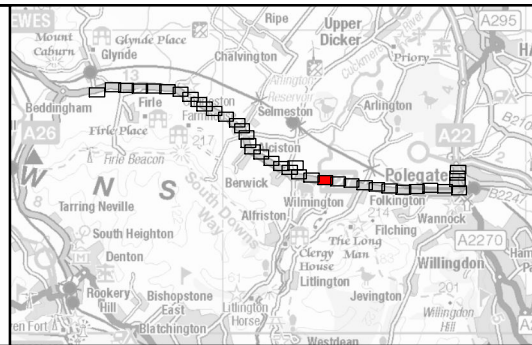
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| Date  | 11/02/19 | Date    | 11/02/19 | Date     | 11/02/19 | Date       | 11/02/19 |

Drawing Number Project: **HE552988** | Originator: **WSP** | Volume: | Project Ref. No. **70035418** | Revision: **P01**



KEY:

- Proposed Scheme
  - Arboricultural Study Area
  - Tree Preservation Order
  - Unsurveyed Area
  - Ancient Woodland
  - Ancient Woodland + 15m
- Tree Category**
- A
  - B
  - C
  - U
  - Veteran Tree

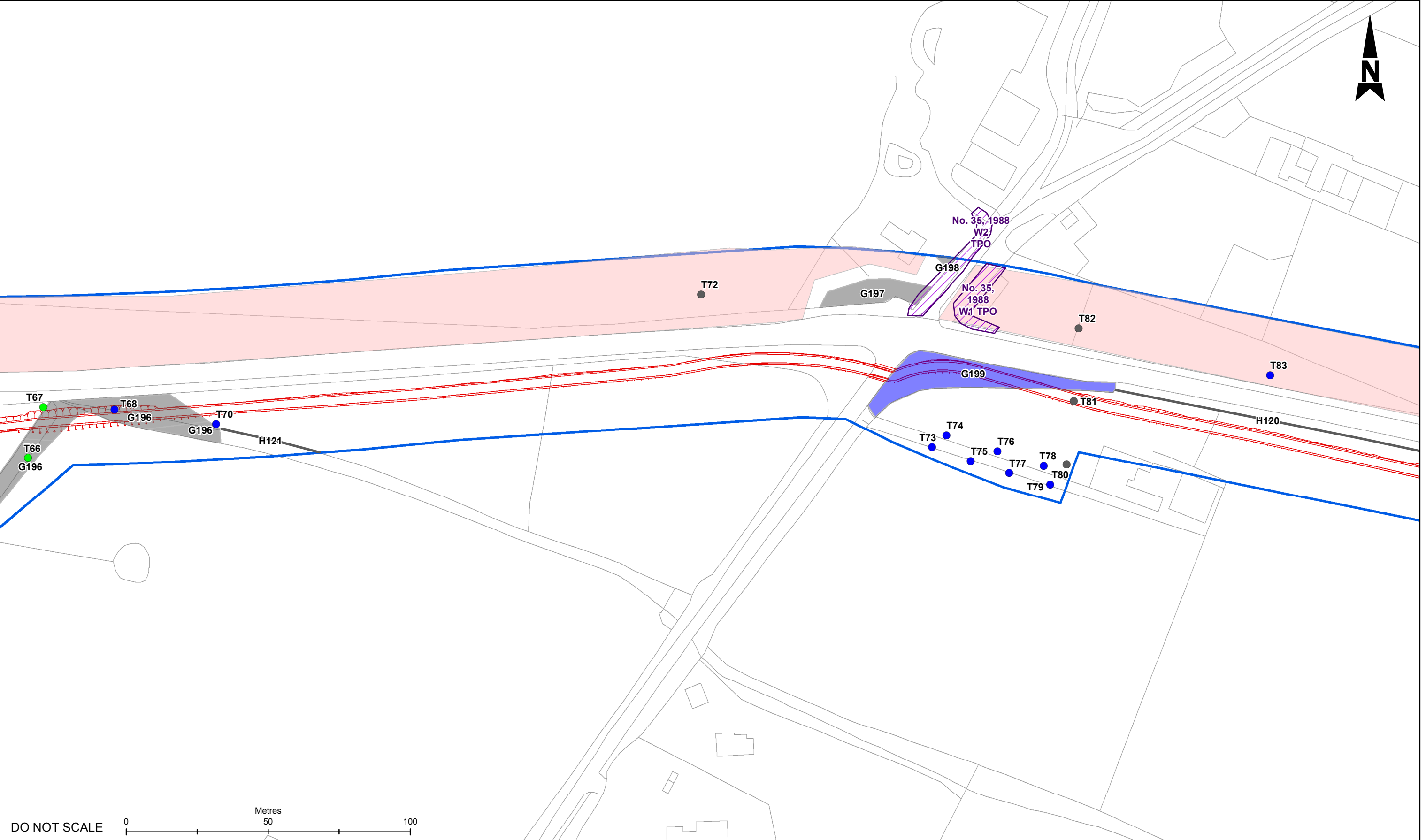


| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |      |             |                |
|--|------|-------------|----------------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |      |             |                |
| Construction   |      |             |                |
| Maintenance / Cleaning   |      |             |                |
| Use  |      |             |                |
| Decomissioning / Demolition  |      |             |                |
| Rev.   | Date | Description | By Chk'd App'd |
| P01.1  | ---  | First Issue | ---            |

|                              |      |             |                |
|------------------------------|------|-------------|----------------|
| Drawing Status               |      |             |                |
| FINAL                        |      |             |                |
| S0                           |      |             |                |
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| Client                       |      |             |                |
| Working on behalf of         |      |             |                |
| highways england             |      |             |                |
| P01.1 --- First Issue        |      |             |                |
| Rev.                         | Date | Description | By Chk'd App'd |
| P01.1                        | ---  | First Issue | ---            |

|                              |  |  |  |   |  |
|------------------------------|--|--|--|---|--|
| Drawing Status               |  | S0   |  | Project Title                                       |  |
| FINAL                        |  | S0   |  | A27 EAST OF LEWES                                   |  |
| wsp                          |  | WSP House<br>70 Chancery Lane<br>London<br>WC2A 1AF<br>Tel: +44 (0)20 7314 5000<br>www.wspgroup.co.uk<br>www.pbworld.com |  | Drawing Title                                       |  |
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| Client                       |  | highways england   |  | Scale   |  |
| 1:1,250                      |  | Drawn AD   |  | Checked JM  |  |
| Original Size A3             |  | Date 11/02/19  |  | Date 11/02/19                                       |  |
| Drawing Number HE552988      |  | Project WSP  |  | Date 11/02/19                                       |  |
| Location                     |  | Type   |  | Role  |  |
| Number                       |  | Volume   |  | Project Ref. No. 70035418                           |  |
| Revision                     |  | P01  |  | Date 11/02/19                                       |  |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

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Suitability: **S0**

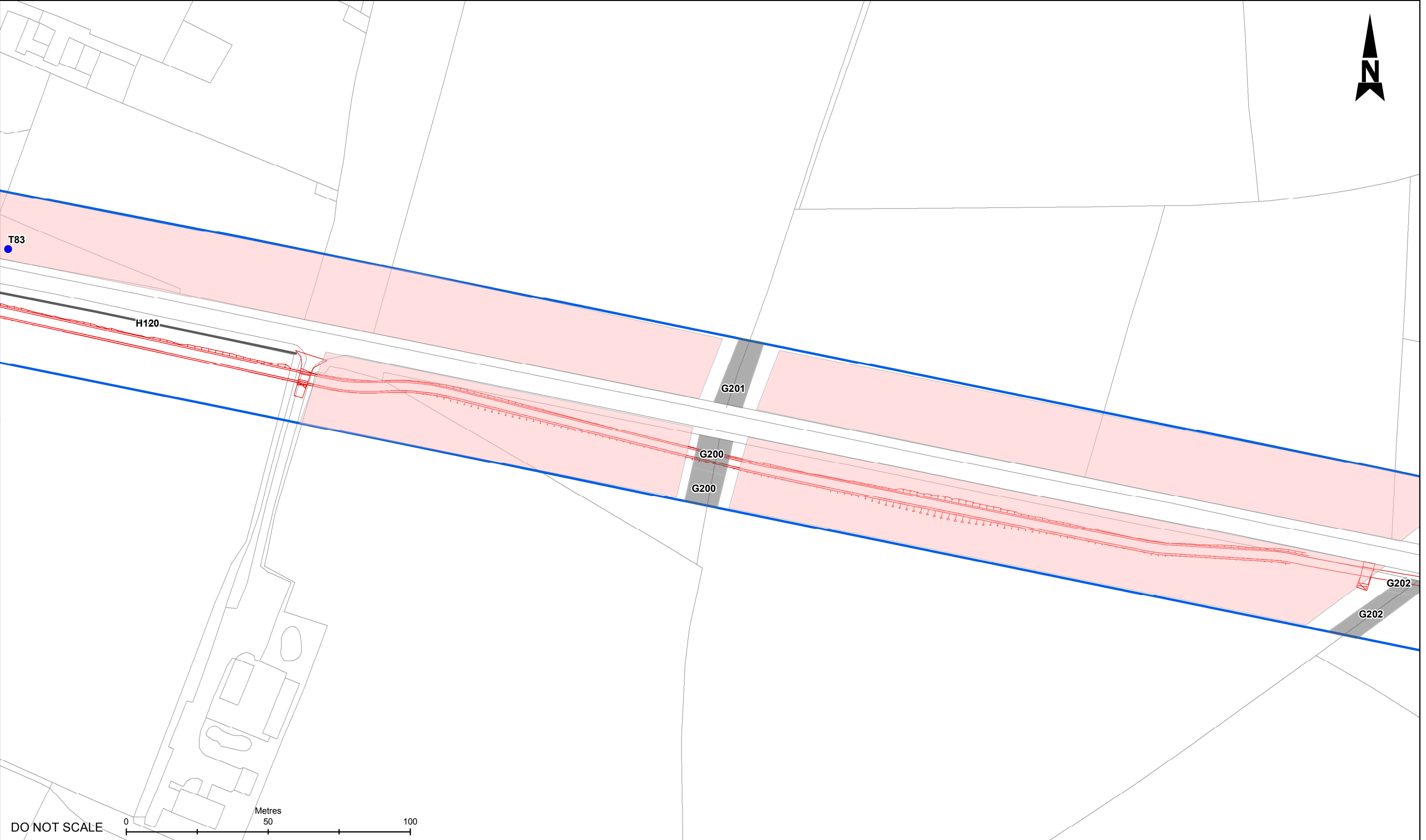
Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 26 OF 38**

|                   |                |                |                |                |
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| Original Size: A3 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 |

|                          |              |                 |             |                           |
|--------------------------|--------------|-----------------|-------------|---------------------------|
| Drawing Number: HE552988 | Project: WSP | Originator: WSP | Volume: WSP | Project Ref. No. 70035418 |
| Location:                | Type:        | Role:           | Number:     | Revision: P01             |

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**KEY:**

— Proposed Scheme

▭ Arboricultural Study Area

▨ Tree Preservation Order

▭ Unsurveyed Area

▭ Ancient Woodland

▨ Ancient Woodland + 15m

**Tree Category**

▭ A

▭ B

▭ C

▭ U

▴ Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

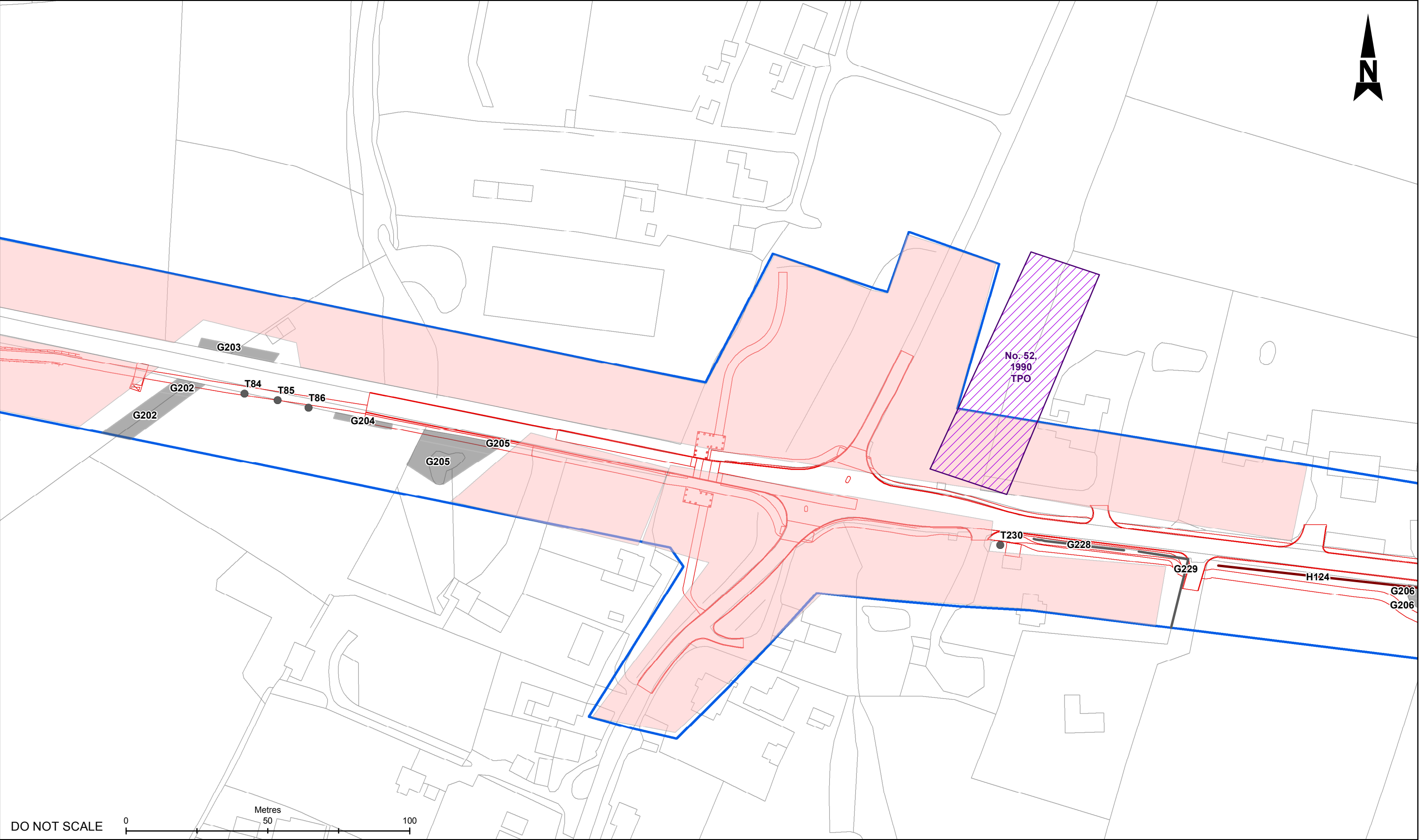
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| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 27 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |

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|------------|----------|---------|----------|------------------|----------|------------|----------|
| Drawn      | AD       | Checked | JM       | Approved         | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19 | Date             | 11/02/19 | Date       | 11/02/19 |
| Originator | WSP      | Volume  |          | Project Ref. No. | 70035418 | Revision   | P01      |
| Type       |          | Role    |          | Number           |          |            |          |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

WSP

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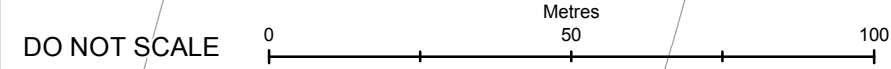
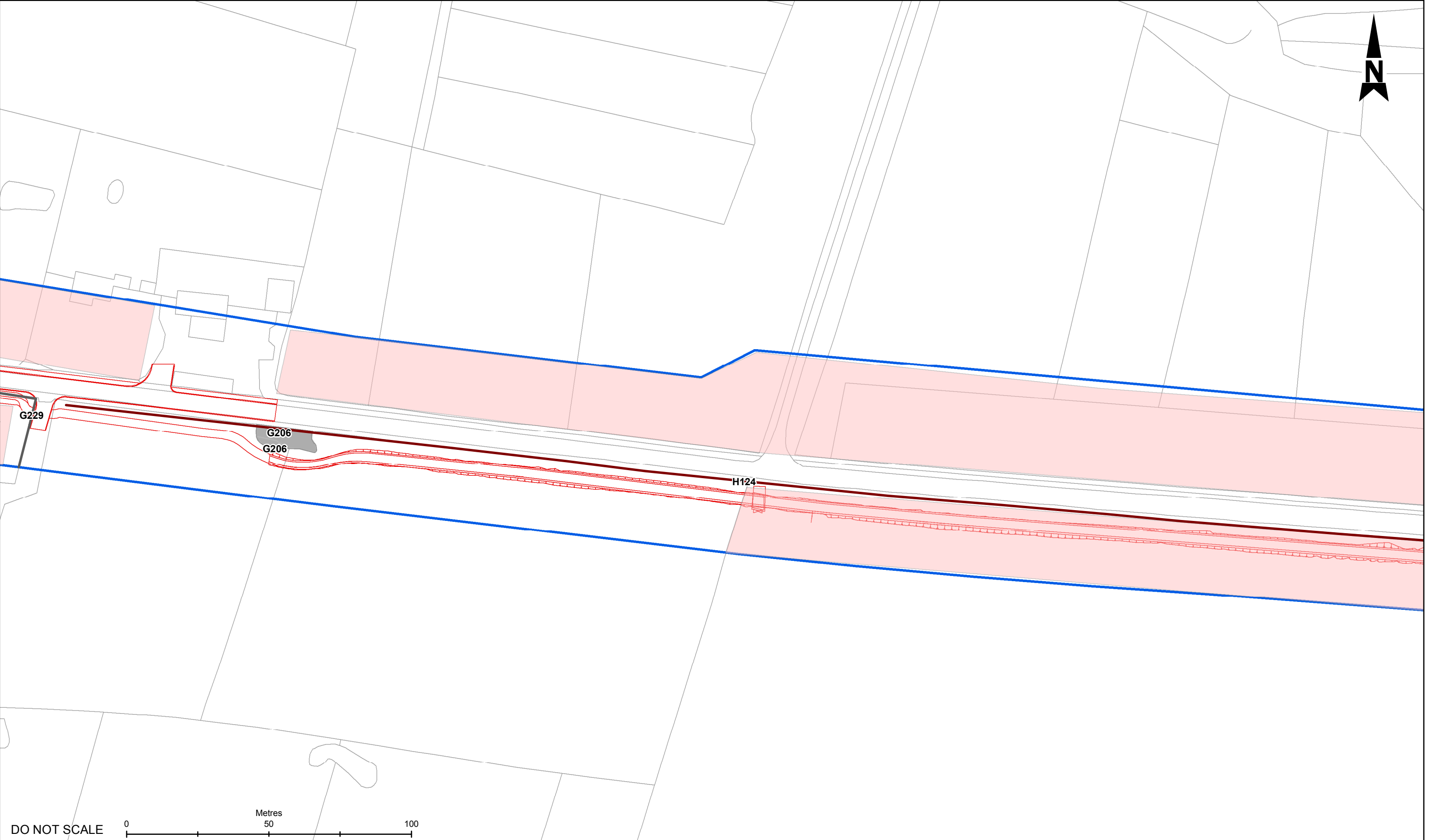
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ARBORICULTURAL BASELINE ASSESSMENT  
PAGE 28 OF 38

|                   |                |                |                |                |
|-------------------|----------------|----------------|----------------|----------------|
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| Original Size: A3 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 |

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|--------------------------|--------------|-----------------|-------------|---------------------------|
| Drawing Number: HE552988 | Project: WSP | Originator: WSP | Volume: WSP | Project Ref. No. 70035418 |
| Location:                | Type:        | Role:           | Number:     | Revision: P01             |





KEY:

- Proposed Scheme

▭ Arboricultural Study Area

▨ Tree Preservation Order

▭ Unsurveyed Area

▭ Ancient Woodland

▨ Ancient Woodland + 15m
- Tree Category

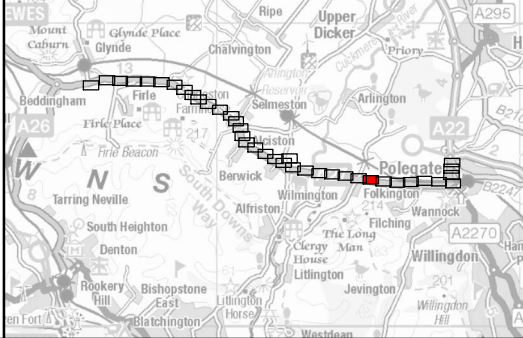
▭ A

▭ B

▭ C

▭ U

▲ Veteran Tree



| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |  |
|--|--|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |  |
| Construction   |  |
| Maintenance / Cleaning   |  |
| Use  |  |
| Decomissioning / Demolition  |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status

FINAL

Suitability

S0

Project Title

A27  
EAST OF LEWES

Drawing Title

ARBORICULTURAL BASELINE  
ASSESSMENT  
PAGE 29 OF 38

Scale

1:1,250

Drawn

AD

Checked

JM

Approved

JM

Authorised

JM

Original Size

A3

Date

11/02/19

Date

11/02/19

Date

11/02/19

Date

11/02/19

Drawing Number

HE552988

Project

WSP

Originator

WSP

Volume

WSP

Project Ref. No.

70035418

Revision

P01

Location

Type

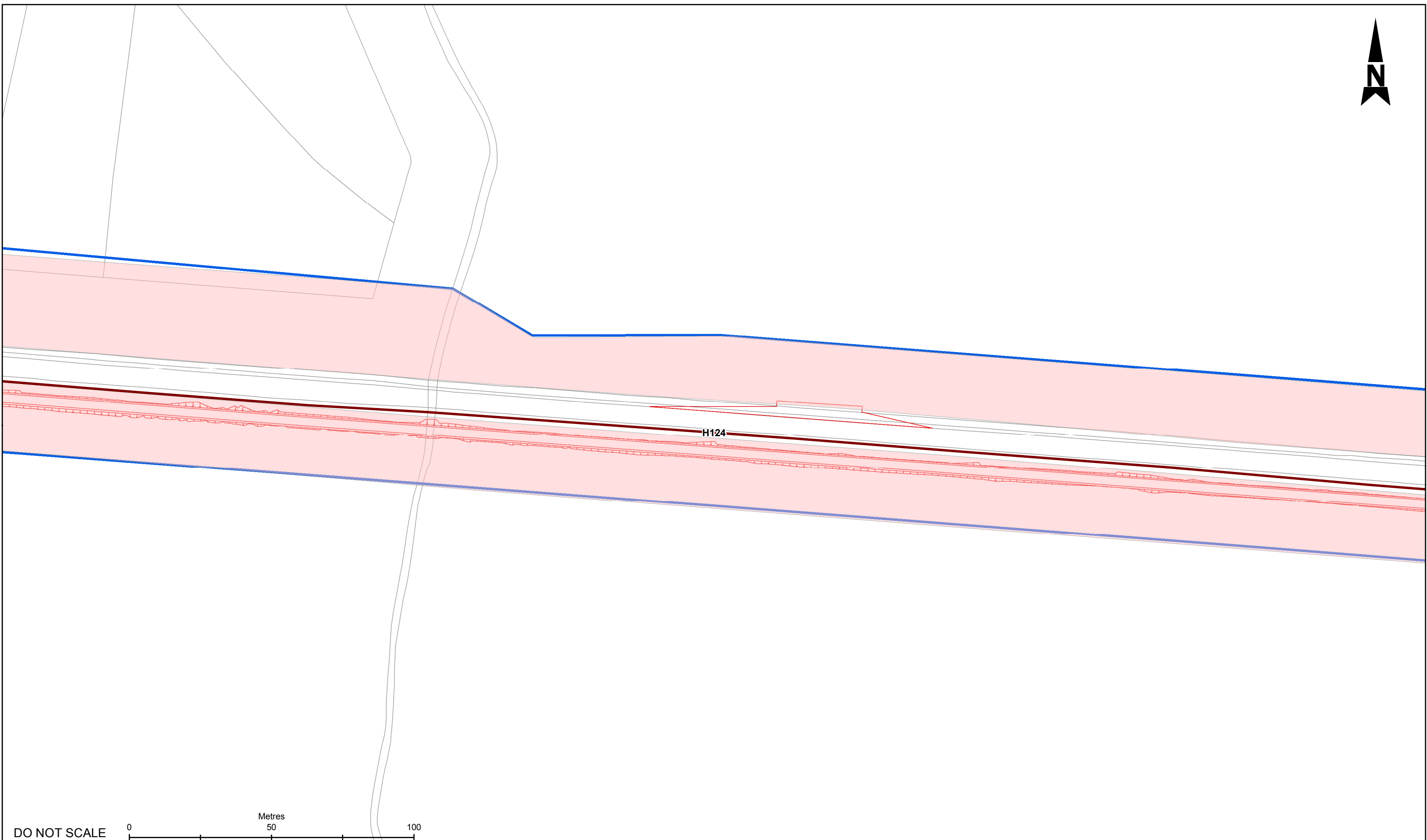
Role

Number

Client

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**KEY:**

—

Proposed Scheme

▭

Arboricultural Study Area

▨

Tree Preservation Order

▭

Unsurveyed Area

▭

Ancient Woodland

▭

Ancient Woodland + 15m

**Tree Category**

▭

A

▭

B

▭

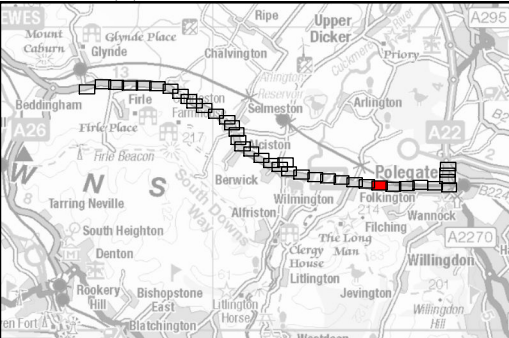
C

▭

U

▴

Veteran Tree



| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |  |  |  |  |
|--|--|--|--|--|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |  |  |  |  |
| Construction   |  |  |  |  |
| Maintenance / Cleaning   |  |  |  |  |
| Use  |  |  |  |  |
| Decomissioning / Demolition  |  |  |  |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status

FINAL

Suitability

S0

Client

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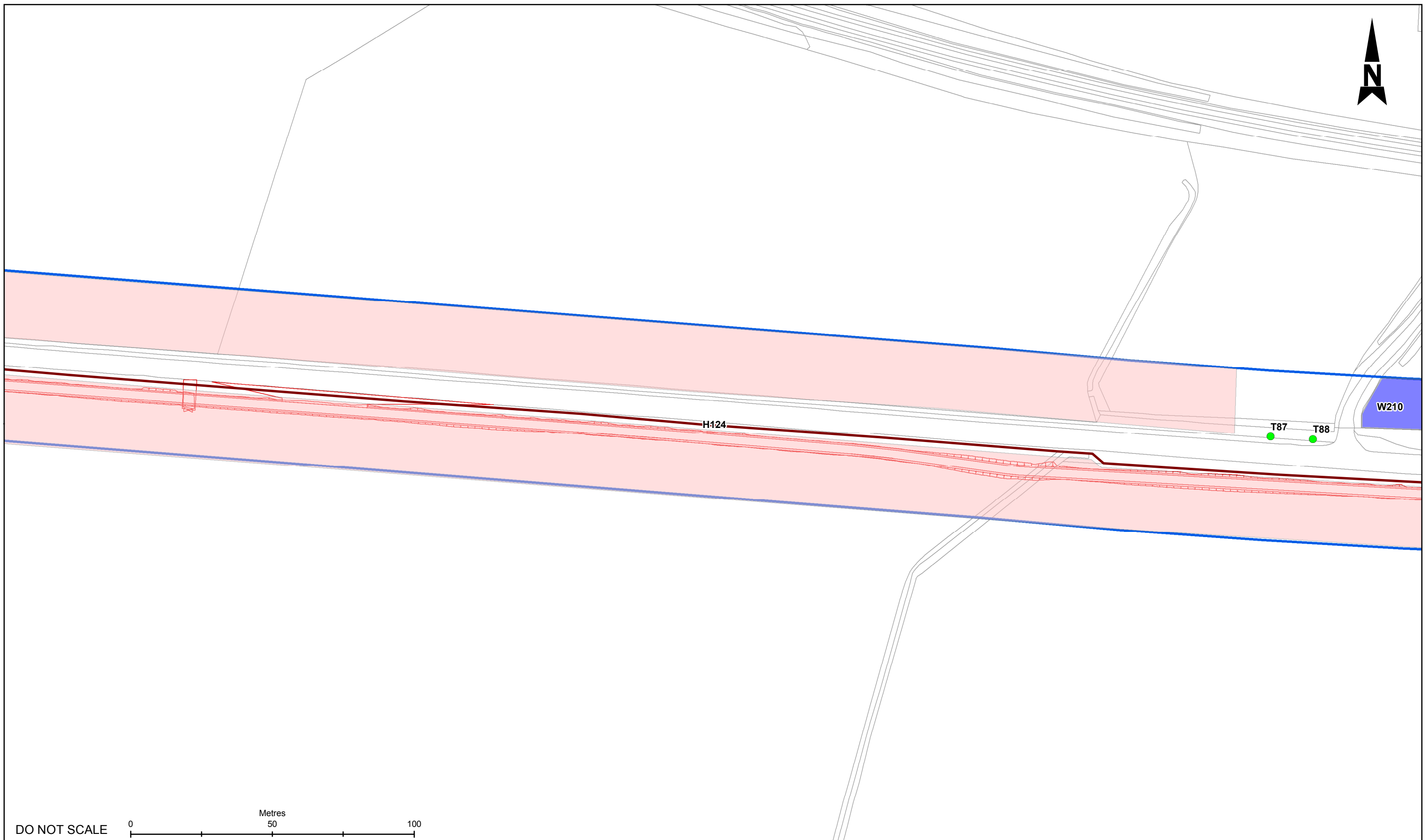
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|  |              |          |                           |            |
|--|--------------|----------|---------------------------|------------|
| Project Title                                    |              |          |                           |            |
| A27 EAST OF LEWES                                |              |          |                           |            |
| Drawing Title                                    |              |          |                           |            |
| ARBORICULTURAL BASELINE ASSESSMENT PAGE 30 OF 38 |              |          |                           |            |
| Scale  | Drawn        | Checked  | Approved                  | Authorised |
| 1:1,250  | AD           | JM       | JM                        | JM         |
| Original Size                                    | Date         | Date     | Date                      | Date       |
| A3   | 11/02/19     | 11/02/19 | 11/02/19                  | 11/02/19   |
| Drawing Number                                   | Originator   |          | Volume                    |            |
| Project  | HE552988 WSP |          | Project Ref. No. 70035418 |            |
| Location   | Type         | Role     | Number                    | Revision   |
|  |              |          |                           | P01        |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Tree Preservation Order
- Unsurveyed Area
- Ancient Woodland
- Ancient Woodland + 15m

**Tree Category**

- A
- B
- C
- U
- ▲ Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

**Construction**

**Maintenance / Cleaning**

**Use**

**Decommissioning / Demolition**

Rev.    Date    Description    By    Chkd    App'd

|       |     |             |     |     |     |
|-------|-----|-------------|-----|-----|-----|
| P01.1 | --- | First Issue | --- | --- | --- |
|-------|-----|-------------|-----|-----|-----|

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

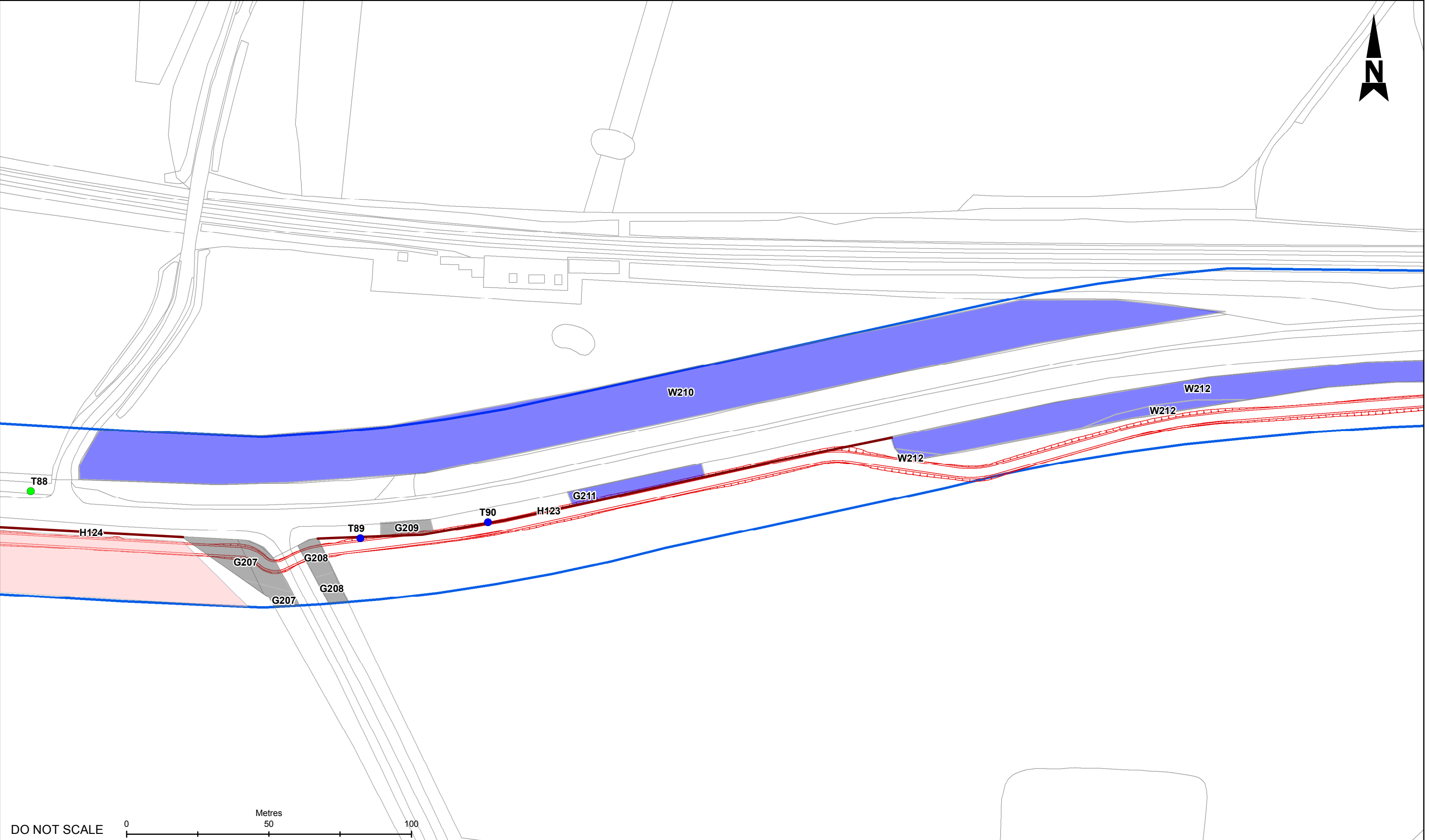
Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 31 OF 38**

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Original Size: **A3**    Date: **11/02/19**    Date: **11/02/19**    Date: **11/02/19**    Date: **11/02/19**

Drawing Number: **HE552988**    Project: **WSP**    Originator:    Volume:    Project Ref. No. **70035418**

Revision: **P01**



KEY:

- Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m
- Tree Category

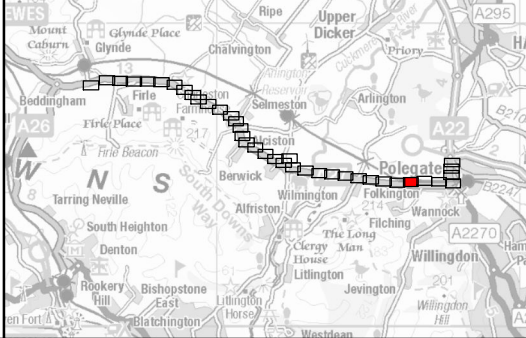
A

B

C

U

Veteran Tree



| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |  |
|--|--|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |  |
| Construction   |  |
| Maintenance / Cleaning   |  |
| Use  |  |
| Decomissioning / Demolition  |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status  
FINAL

Suitability  
S0

Project Title  
A27  
EAST OF LEWES

Drawing Title  
ARBORICULTURAL BASELINE  
ASSESSMENT  
PAGE 32 OF 38

Scale  
1:1,250

Drawn  
AD

Checked  
JM

Approved  
JM

Authorised  
JM

Original Size  
A3

Date  
11/02/19

Date  
11/02/19

Date  
11/02/19

Date  
11/02/19

Drawing Number  
HE552988

Project  
WSP

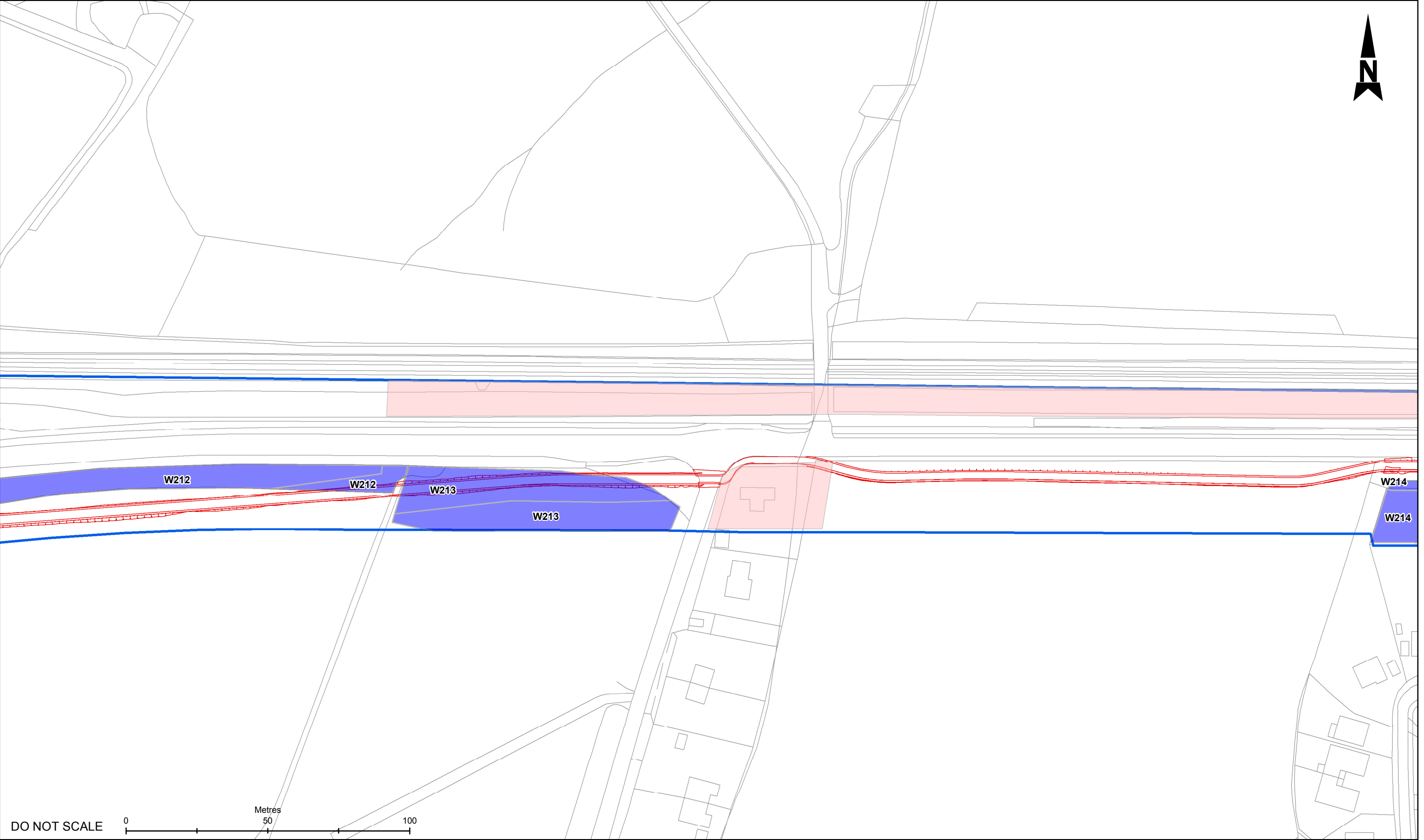
Originator  
WSP

Volume  
WSP

Project Ref. No.  
70035418

Revision  
P01

Location  
Type  
Role  
Number



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                             |  |
|-----------------------------|--|
| Construction                |  |
| Maintenance / Cleaning      |  |
| Use                         |  |
| Decomissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 33 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawn          | AD   |
| Checked        | JM   |
| Approved       | JM   |
| Authorised     | JM   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |
| Type           |  |
| Role           |  |
| Number         |  |

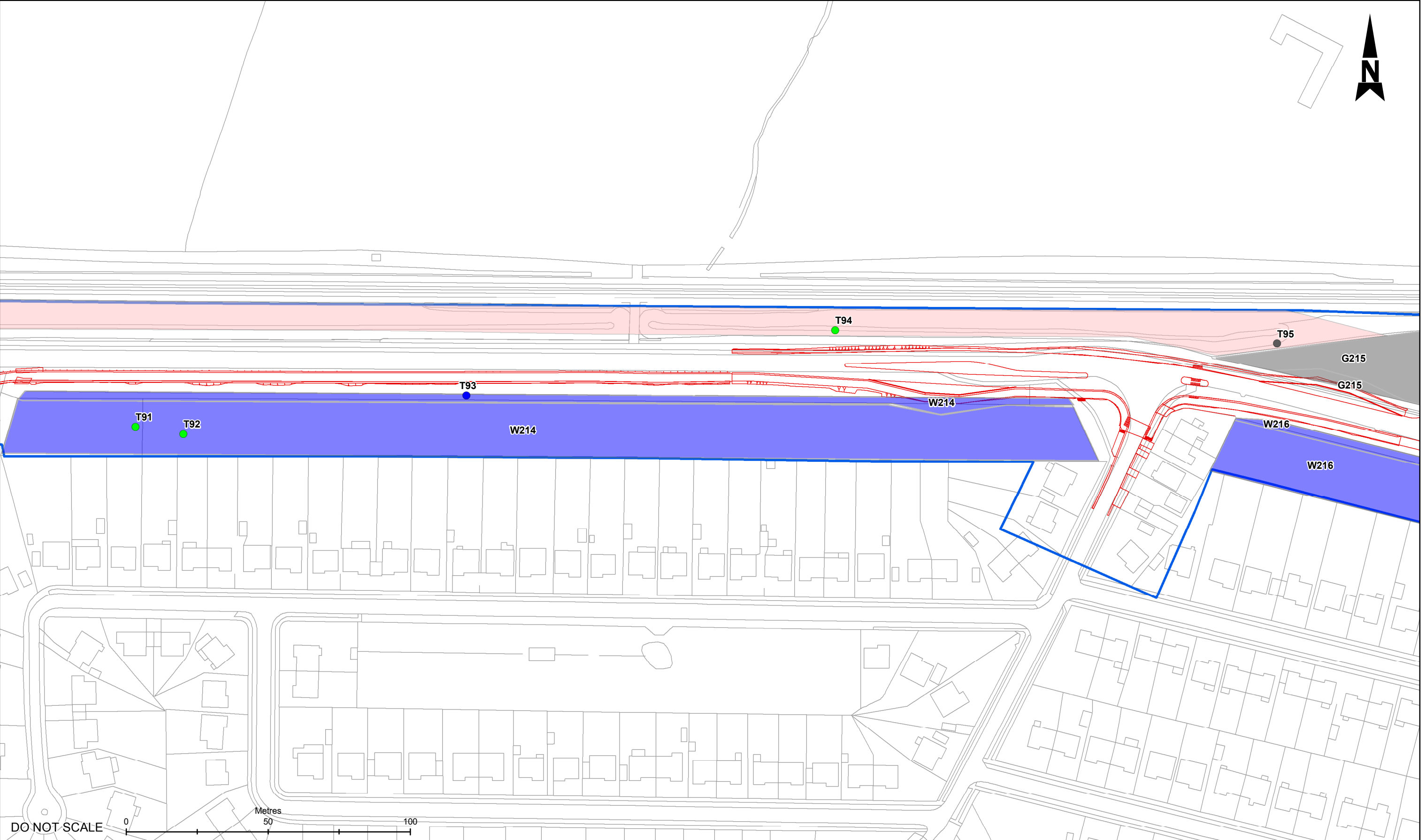
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|----------------|----------|------------|----------|------------------|
| Scale          | Drawn    | Checked    | Approved | Authorised       |
| 1:1,250        | AD       | JM         | JM       | JM               |
| Original Size  | Date     | Date       | Date     | Date             |
| A3             | 11/02/19 | 11/02/19   | 11/02/19 | 11/02/19         |
| Drawing Number | Project  | Originator | Volume   | Project Ref. No. |
| HE552988       | WSP      |            |          | 70035418         |
| Location       | Type     | Role       | Number   | Revision         |
|                |          |            |          | P01              |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL BASELINE ASSESSMENT PAGE 34 OF 38

Scale: 1:1,250

Original Size: A3

Drawing Number: HE552988

Project: WSP

Location: |Type |Role |Number

WSP

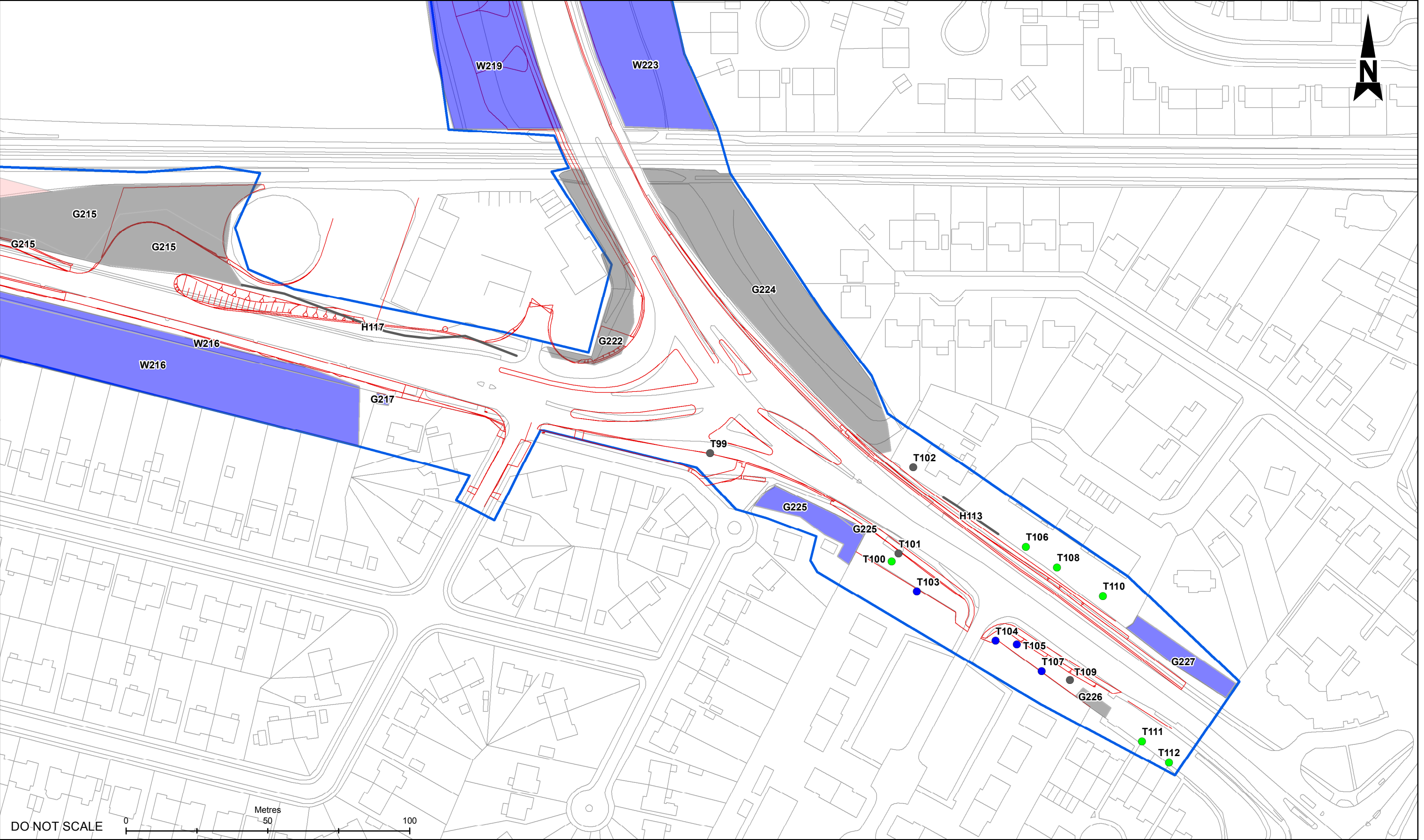
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Project Ref. No. 70035418

Revision P01



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Tree Preservation Order
- Unsurveyed Area
- Ancient Woodland
- Ancient Woodland + 15m

**Tree Category**

- A
- B
- C
- U
- Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL BASELINE ASSESSMENT PAGE 35 OF 38

Scale: 1:1,250

Drawn: AD

Checked: JM

Approved: JM

Authorised: JM

Original Size: A3

Date: 11/02/19

Date: 11/02/19

Date: 11/02/19

Date: 11/02/19

Drawing Number: HE552988

Project: WSP

Originator: WSP

Volume: WSP

Project Ref. No: 70035418

Revision: P01

Location: |Type|Role|Number

WSP

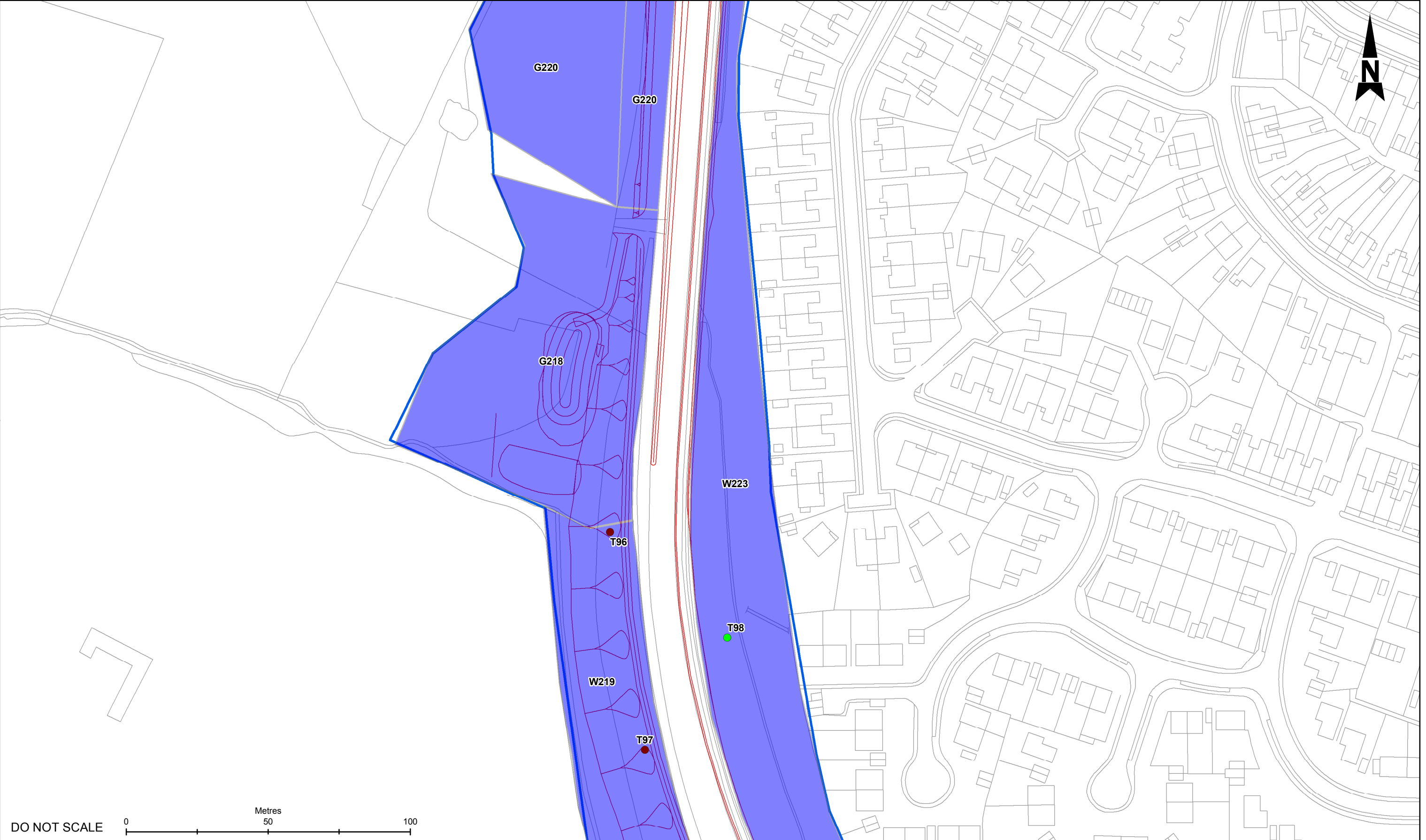
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**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |      |       |
|-------|------|-------------|-----|------|-------|
| Rev.  | Date | Description | By  | Chkd | App'd |
| P01.1 | ---  | First Issue | --- | ---  | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 36 OF 38 |
| Scale          | 1:1,250  |
| Drawn          | AD   |
| Checked        | JM   |
| Approved       | JM   |
| Authorised     | JM   |
| Original Size  | A3   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |
| Type           |  |
| Role           |  |
| Number         |  |

**WSP**

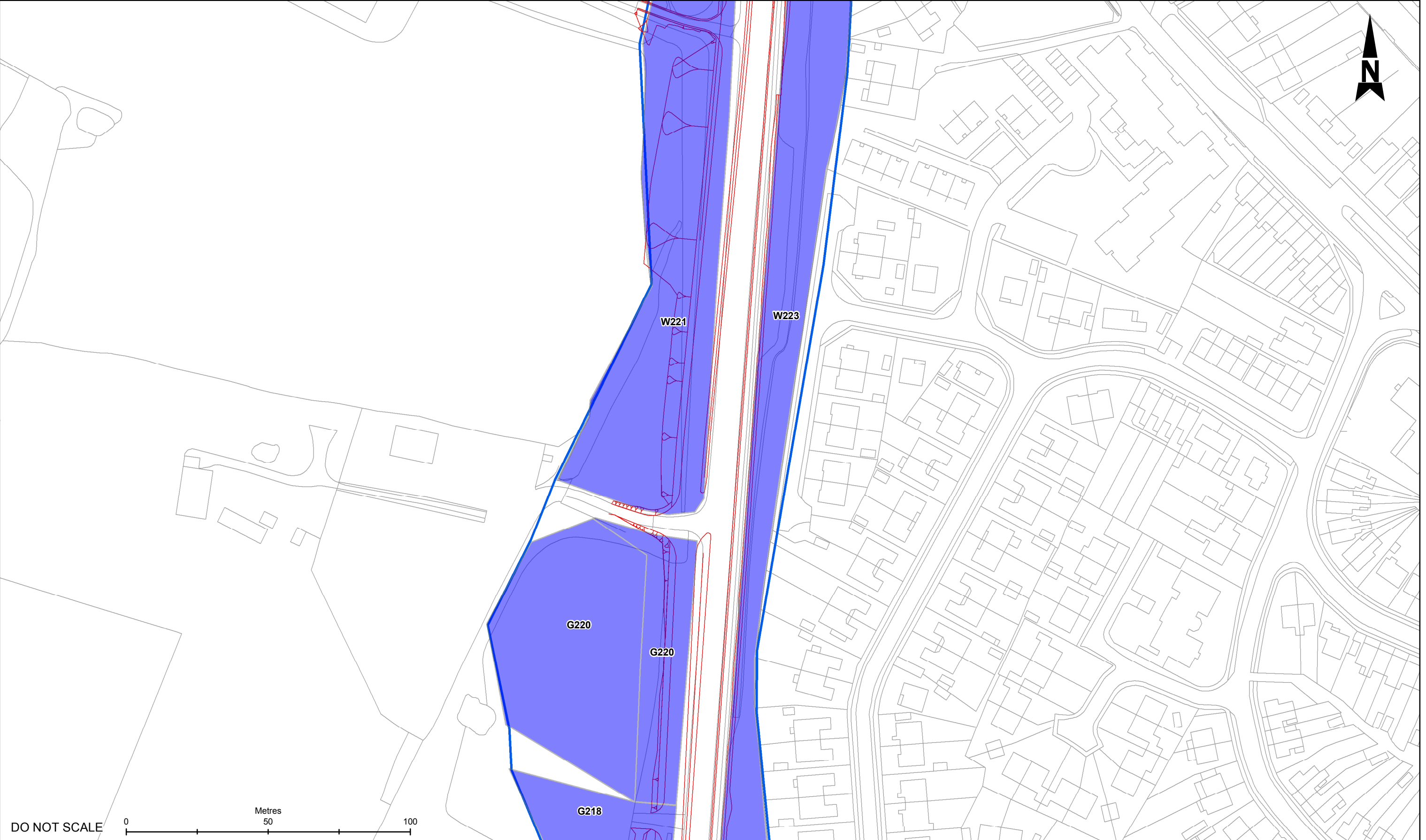
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|                |          |            |          |                  |
|----------------|----------|------------|----------|------------------|
| Scale          | Drawn    | Checked    | Approved | Authorised       |
| 1:1,250        | AD       | JM         | JM       | JM               |
| Original Size  | Date     | Date       | Date     | Date             |
| A3             | 11/02/19 | 11/02/19   | 11/02/19 | 11/02/19         |
| Drawing Number | Project  | Originator | Volume   | Project Ref. No. |
| HE552988       | WSP      |            |          | 70035418         |
| Location       | Type     | Role       | Number   | Revision         |
|                |          |            |          | P01              |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

|                |  |
|----------------|--|
| Drawing Status | FINAL  |
| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES                                |
| Drawing Title  | ARBORICULTURAL BASELINE ASSESSMENT PAGE 37 OF 38 |
| Scale          | 1:1,250  |
| Drawn          | AD   |
| Checked        | JM   |
| Approved       | JM   |
| Authorised     | JM   |
| Original Size  | A3   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Date           | 11/02/19   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |
| Type           |  |
| Role           |  |
| Number         |  |

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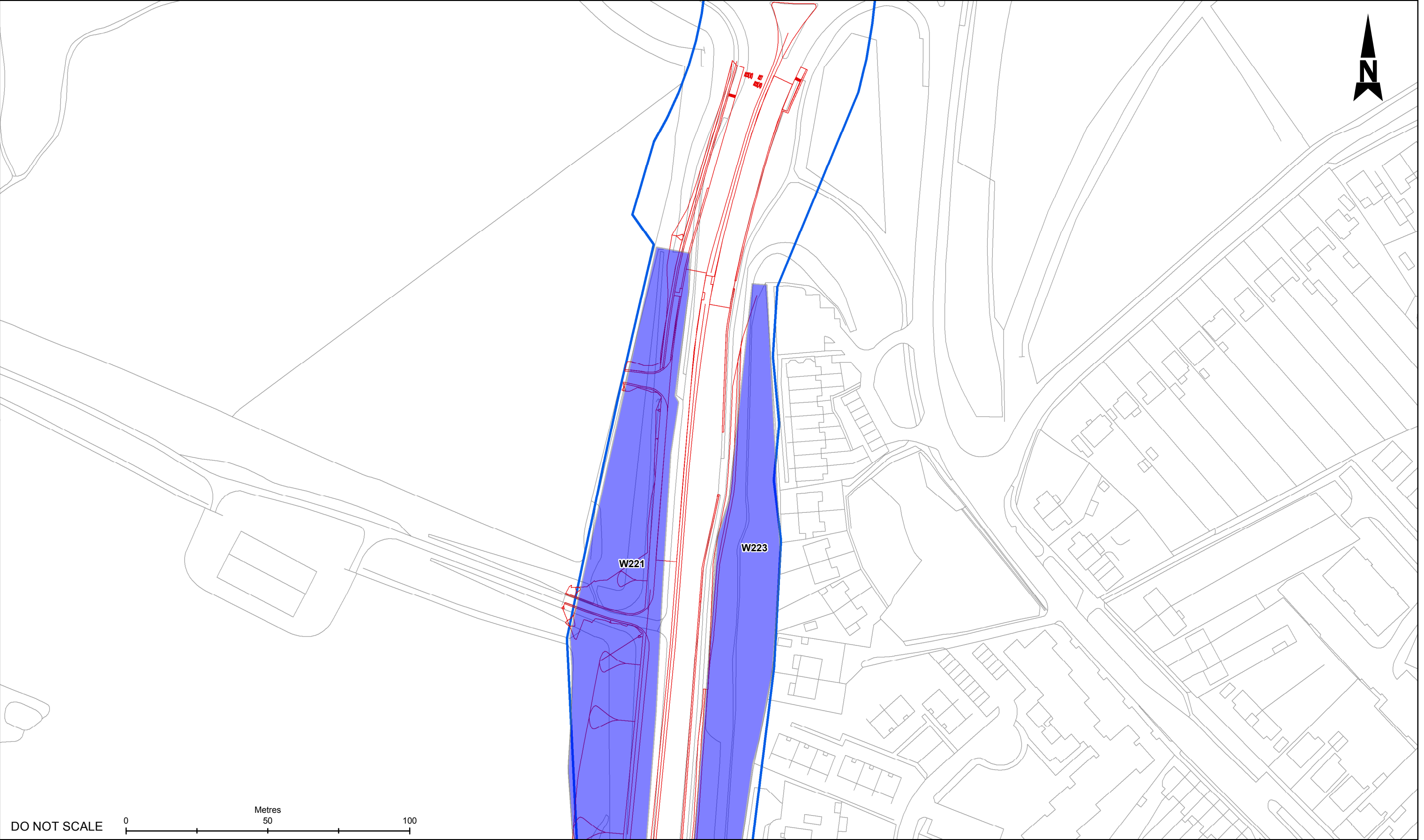
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|                  |          |
|------------------|----------|
| Project Ref. No. | 70035418 |
| Revision         | P01      |

Path: \\uk.wspgroup.com\central data\Projects\70035418 - A27EastOfLewes\02 WPI\GIS\Mxd\Arb Figures\Eol\_Arb\_Baseline.mxd Plotted by: Ashley.Durston Date: Feb 11, 2019 - 02:13PM





**KEY:**

Proposed Scheme

Arboricultural Study Area

Tree Preservation Order

Unsurveyed Area

Ancient Woodland

Ancient Woodland + 15m

**Tree Category**

A

B

C

U

Veteran Tree

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL BASELINE ASSESSMENT PAGE 38 OF 38**

Scale: 1:1,250

Original Size: A3

Drawing Number: HE552988

Project: WSP

Location: |Type|Role|Number

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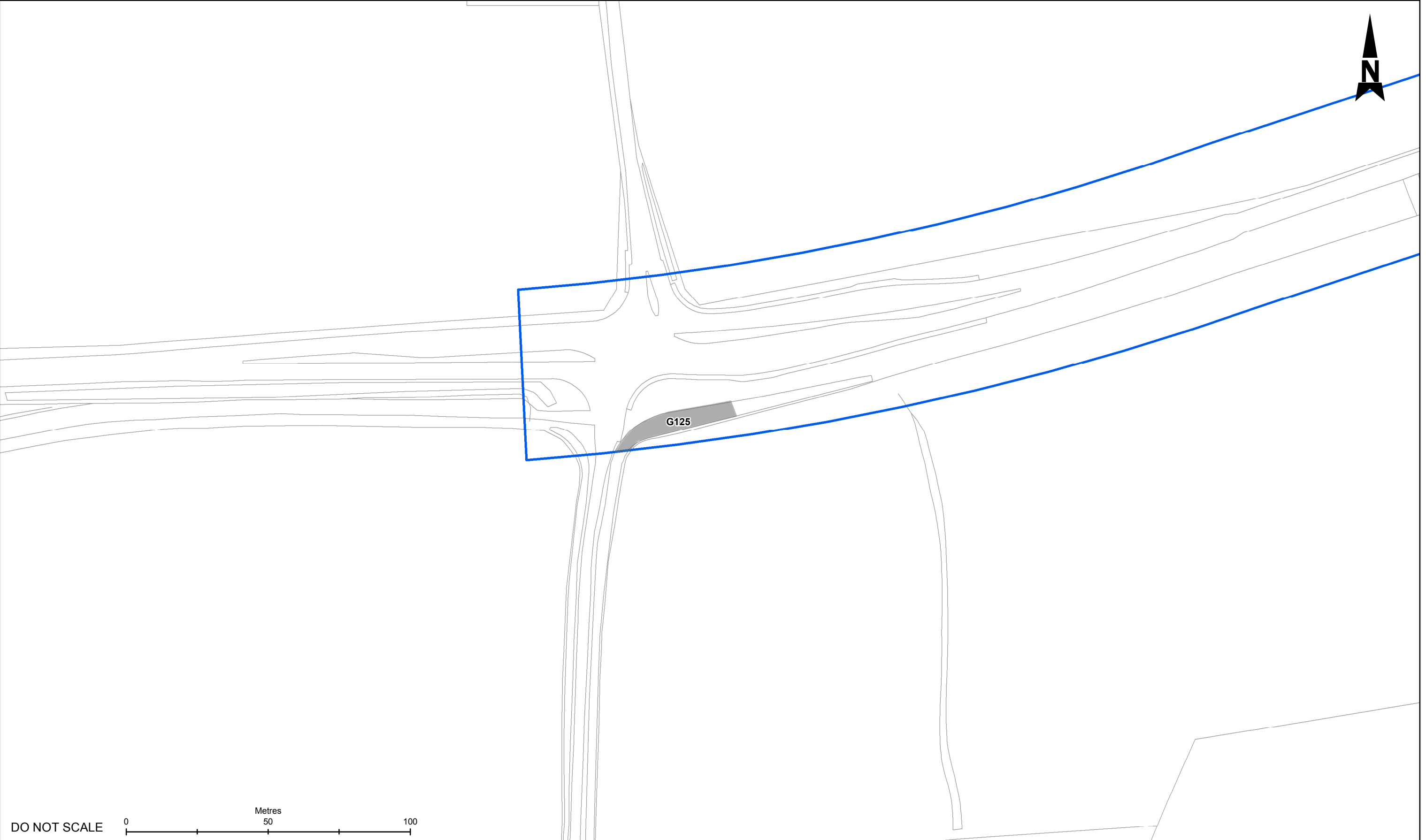
Client: **Working on behalf of highways england**

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|------------|----------|---------|---------------------------|----------|----------|------------|----------|
| Drawn      | AD       | Checked | JM                        | Approved | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19                  | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. 70035418 |          | Revision |            | P01      |

Path: \\uk.wspgroup.com\central data\Projects\70035418 - A27EastOfLewes\02 WPI\GIS\Mxd\Arb Figures\Eol\_Arb\_01\_Arb\_Baseline.mxd Plotted by: Ashley.Durston Date: Feb 11, 2019 - 02:13PM

# Appendix F

## ARBORICULTURAL REMOVALS AND RETENTION PLAN



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 1 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

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|          |          |          |            |
|----------|----------|----------|------------|
| Drawn    | Checked  | Approved | Authorised |
| AD       | JM       | JM       | JM         |
| Date     | Date     | Date     | Date       |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19   |

Project Ref. No. **70035418**

Revision **P01**



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 2 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

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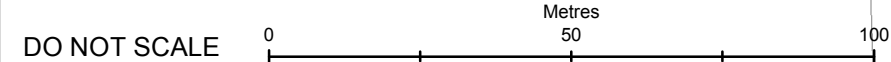
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| Scale   | Drawn | Checked | Approved | Authorised |
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| Date     | Date     | Date     | Date     |
|----------|----------|----------|----------|
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Originator | Volume | Project Ref. No. |
|------------|--------|------------------|
| WSP        |        | 70035418         |

| Revision |
|----------|
| P01      |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

**Construction**

**Maintenance / Cleaning**

**Use**

**Decomissioning / Demolition**

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 3 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

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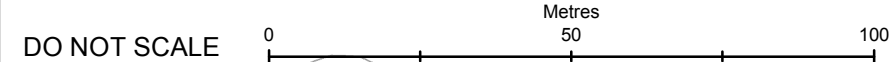
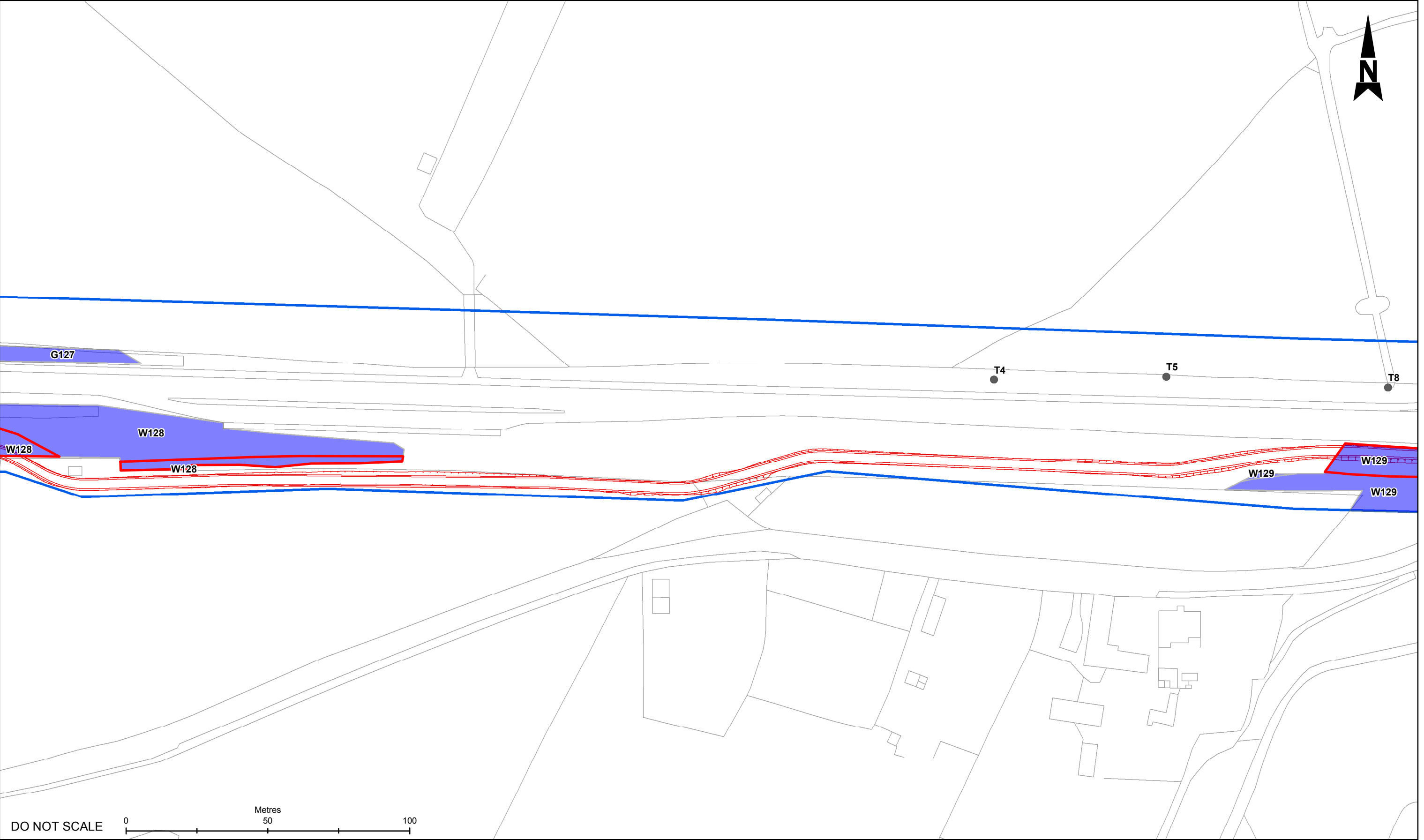
| Scale   | Drawn | Checked | Approved | Authorised |
|---------|-------|---------|----------|------------|
| 1:1,250 | AD    | JM      | JM       | JM         |

| Date     | Date     | Date     | Date     |
|----------|----------|----------|----------|
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Originator | Volume | Project Ref. No. |
|------------|--------|------------------|
| WSP        | WSP    | 70035418         |

| Revision | Number |
|----------|--------|
| P01      | P01    |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

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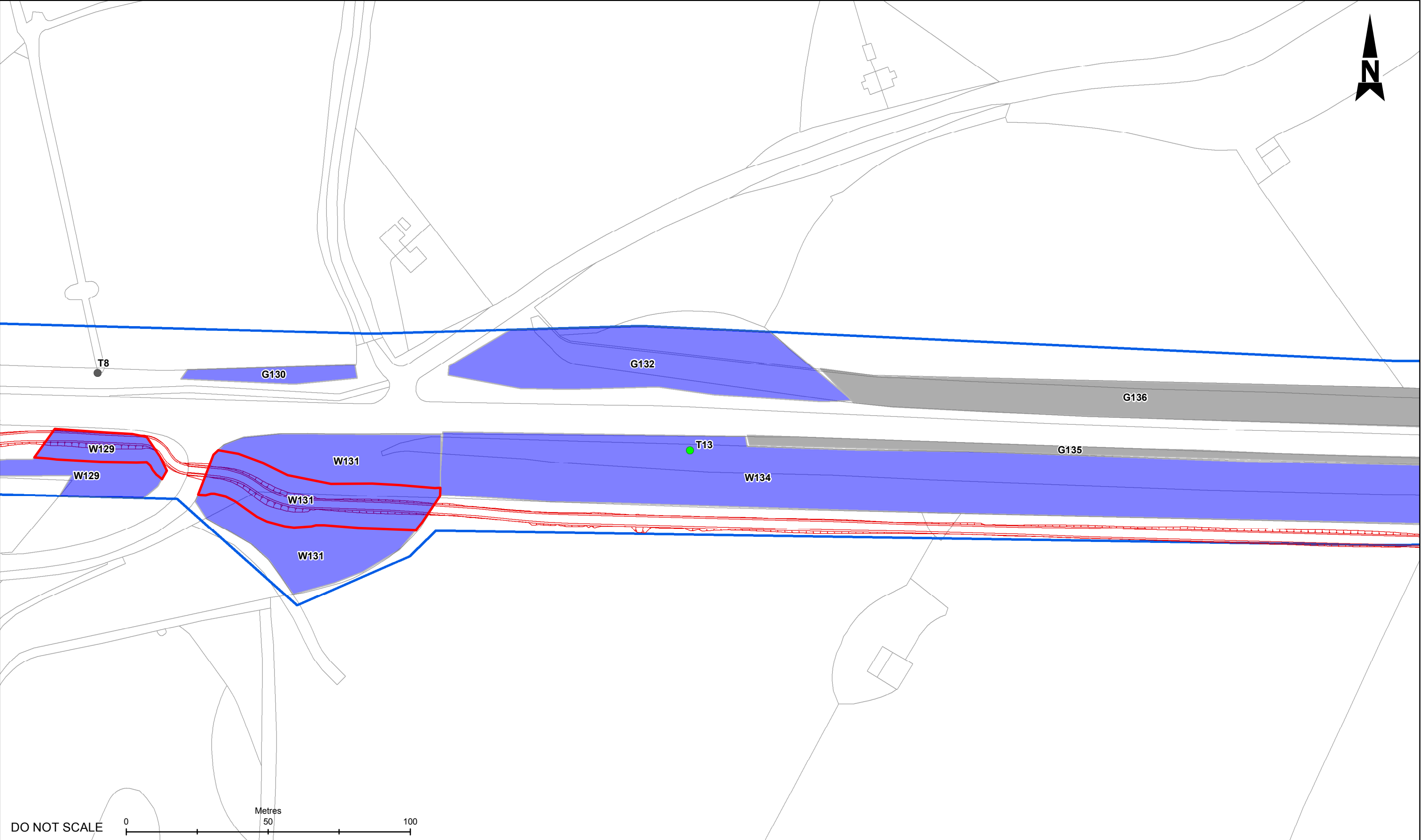
Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 4 OF 38**

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No. 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 5 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

Client: **Working on behalf of highways england**

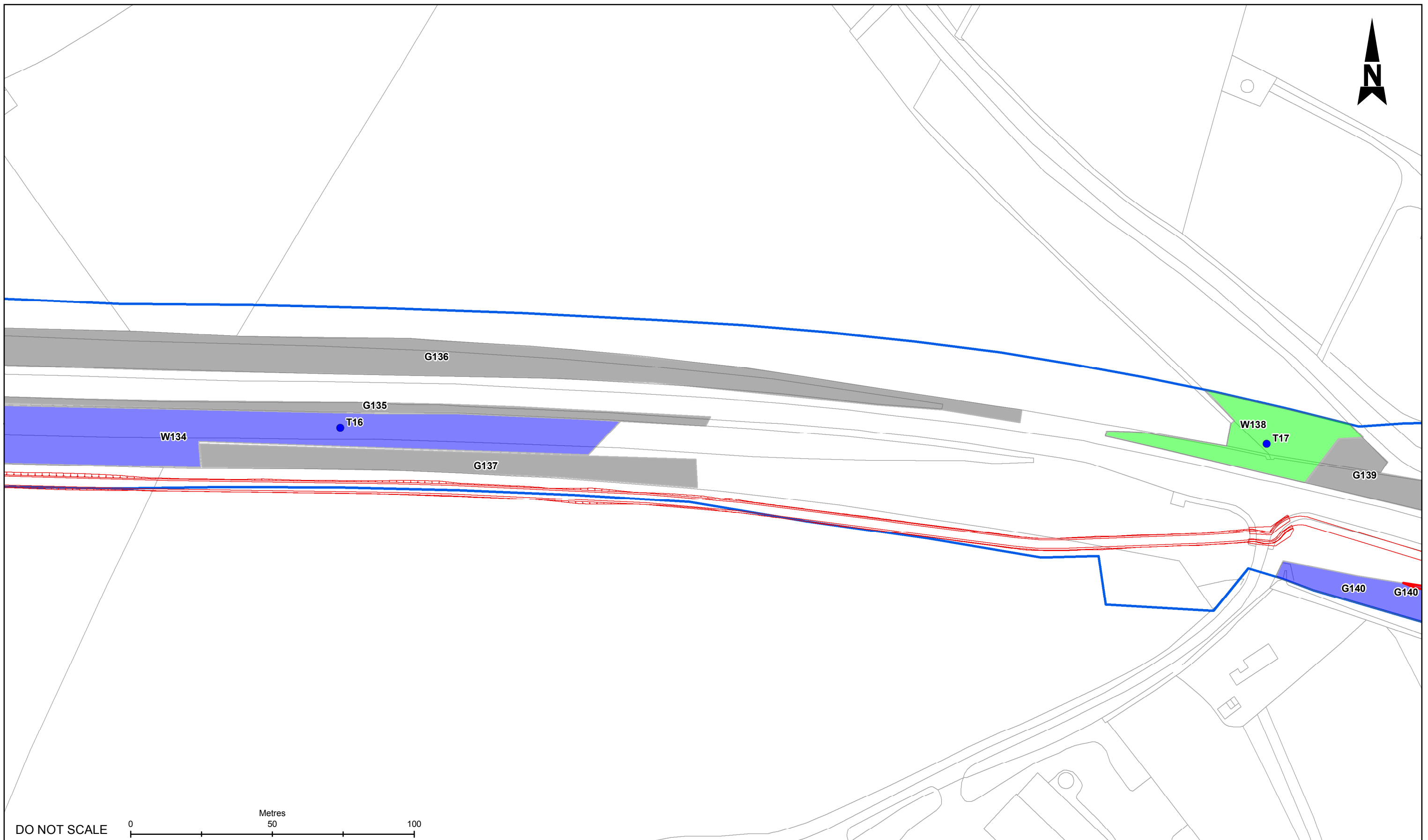
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|         |       |         |          |            |
|---------|-------|---------|----------|------------|
| Scale   | Drawn | Checked | Approved | Authorised |
| 1:1,250 | AD    | JM      | JM       | JM         |

|          |          |          |          |
|----------|----------|----------|----------|
| Date     | Date     | Date     | Date     |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

|                |            |        |                  |
|----------------|------------|--------|------------------|
| Drawing Number | Originator | Volume | Project Ref. No. |
| HE552988       | WSP        |        | 70035418         |







|          |  |
|----------|--|
| Revision |  |
| P01      |  |



DO NOT SCALE

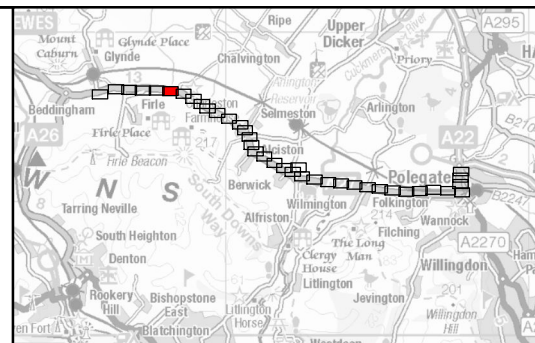
A horizontal number line with arrows at both ends. It has three major tick marks labeled '0', '50', and '100'. The word 'Metres' is written above the '50' mark.

KEY:

-  Proposed Scheme
-  Arboricultural Study Area
-  Unsurveyed Area
-  Tree to be removed
-  Hedge to be removed
-  Tree group to be removed

### Tree Category

|   |   |
|---|---|
|  | A |
|  | B |
|  | C |
|  | U |



## SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

[illegible]

| Drawing Status |
|----------------|
|----------------|

FINAL

|             |    |
|-------------|----|
| Suitability | S0 |
|-------------|----|

|               |  |
|---------------|--|
| Project Title |  |
|---------------|--|

Drawing Title

ARBORICULTURAL REMOVALS  
AND RETENTION PLAN  
PAGE 6 OF 38

|   |                  |                  |                              |                  |
|---|------------------|------------------|------------------------------|------------------|
| Scale<br>1:1,250                          | Drawn<br>AD      | Checked<br>JM    | Approved<br>JM               | Authorised<br>JM |
| Original Size<br>A3                       | Date<br>11/02/19 | Date<br>11/02/19 | Date<br>11/02/19             | Date<br>11/02/19 |
| Drawing Number<br>Project<br>HE552988 WSP |                  |                  | Project Ref. No.<br>70035418 |                  |
| Originator<br>Volume                      |                  |                  | Revision<br>P01              |                  |
| Location                                  | UType            | IRole            | INumber                      |                  |



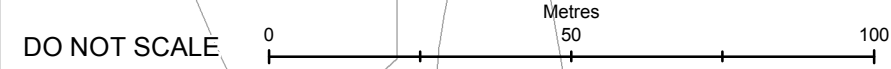
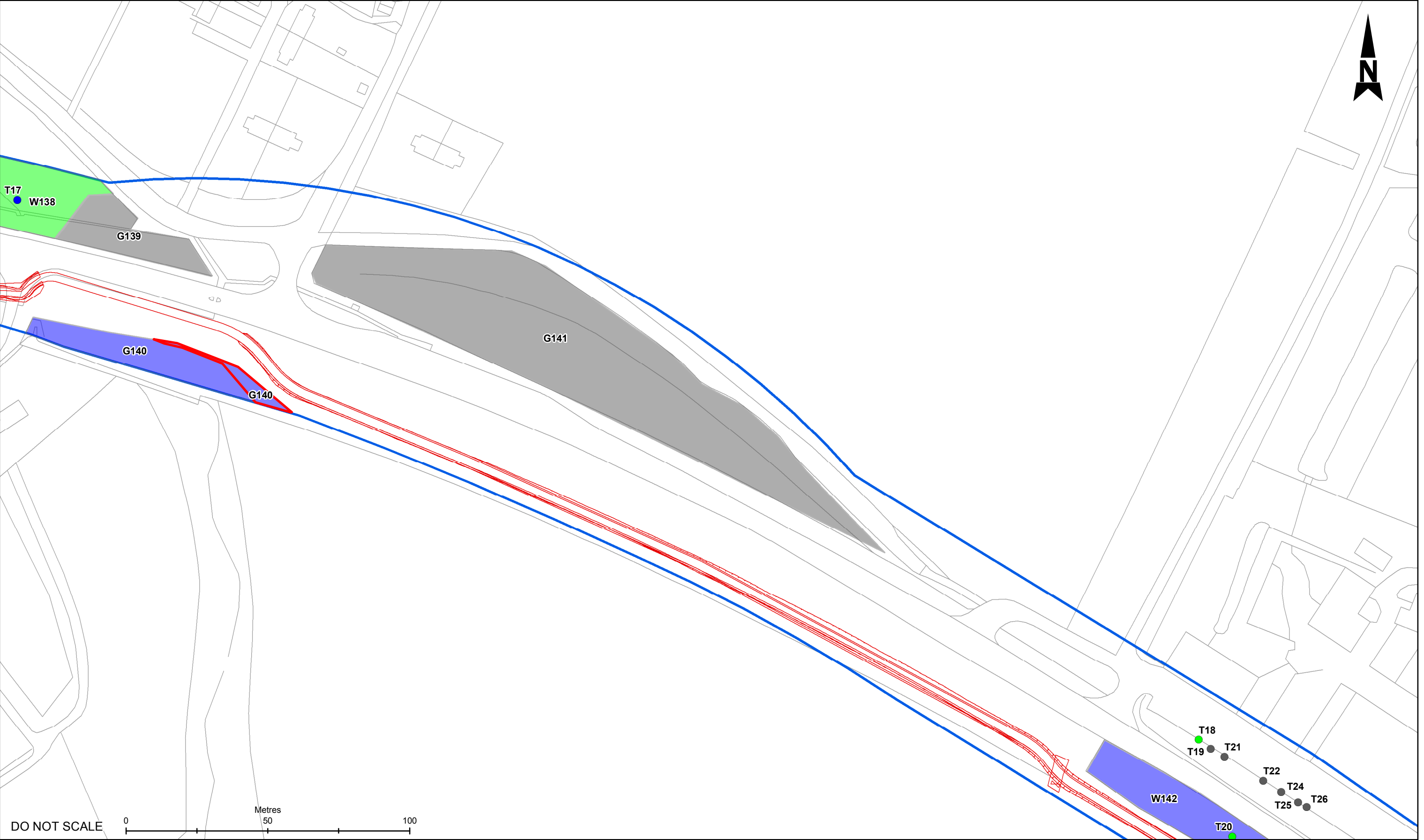
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england



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

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Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 7 OF 38

|                |          |         |          |            |          |          |          |                  |          |
|----------------|----------|---------|----------|------------|----------|----------|----------|------------------|----------|
| Scale          | 1:1,250  | Drawn   | AD       | Checked    | JM       | Approved | JM       | Authorised       | JM       |
| Original Size  | A3       | Date    | 11/02/19 | Date       | 11/02/19 | Date     | 11/02/19 | Date             | 11/02/19 |
| Drawing Number | HE552988 | Project | WSP      | Originator | WSP      | Volume   | WSP      | Project Ref. No. | 70035418 |
| Location       |          | Type    |          | Role       |          | Number   |          | Revision         | P01      |





**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

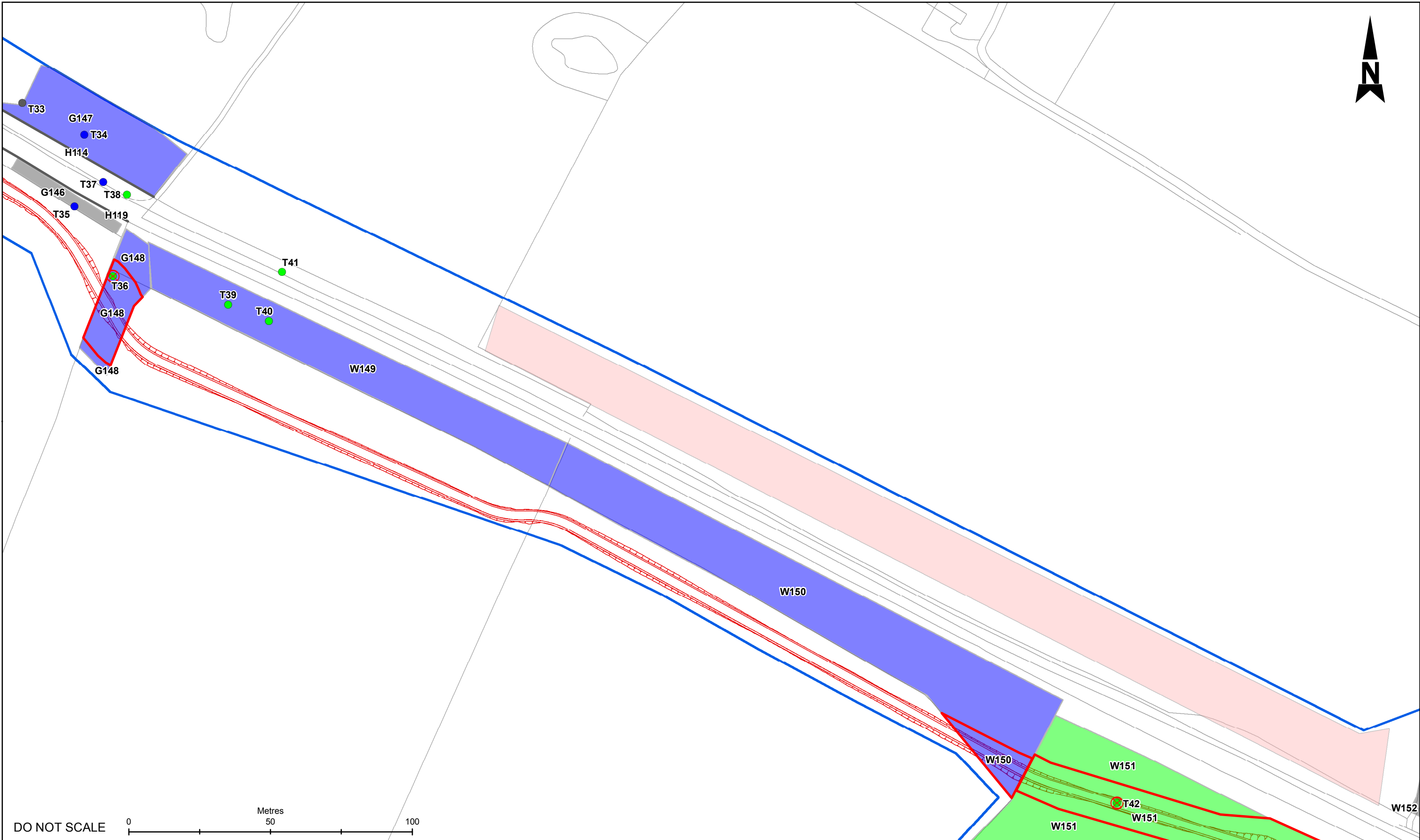
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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 8 OF 38**

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No. 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

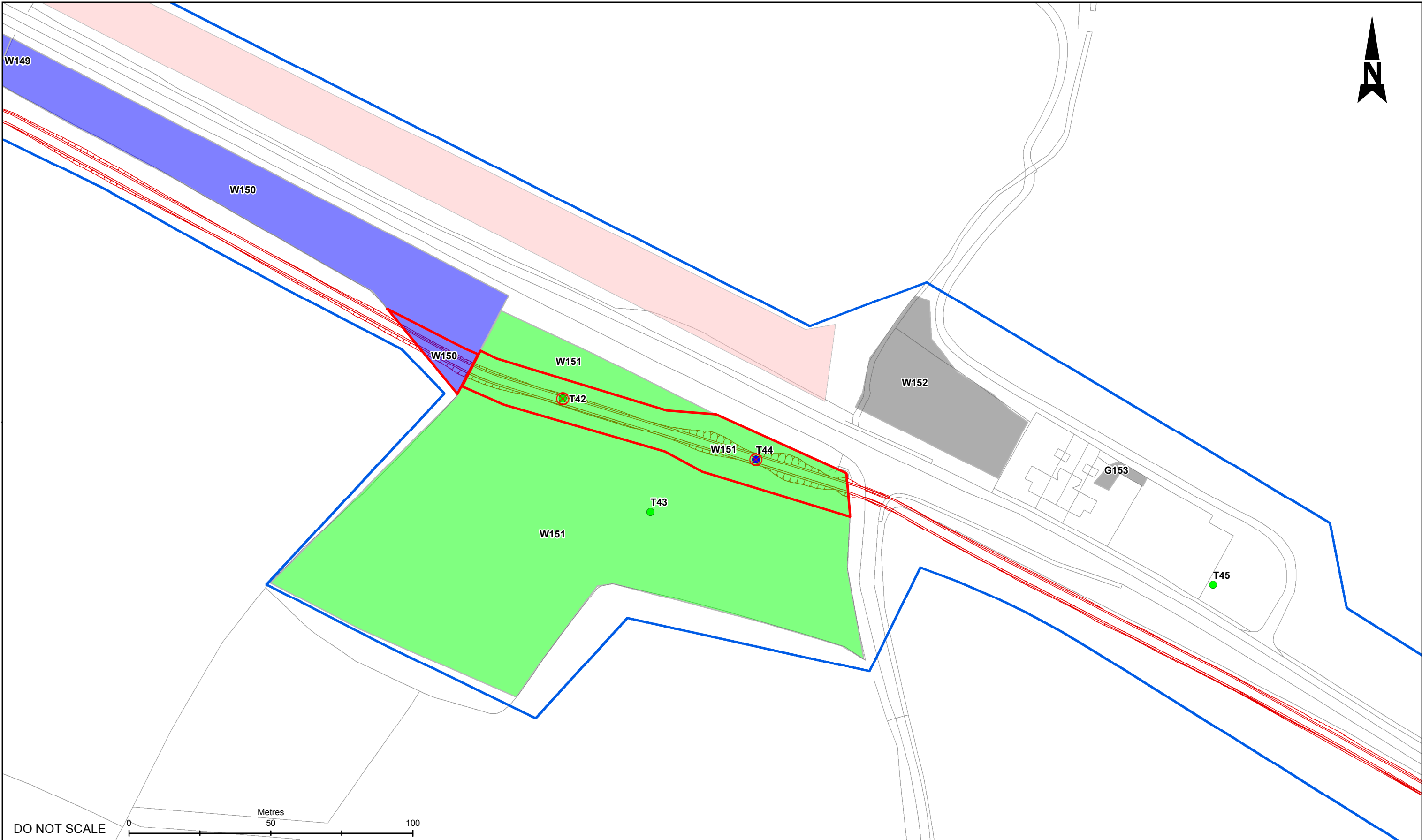
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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 9 OF 38**

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No: 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 10 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

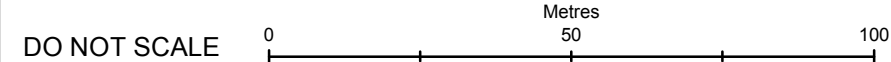
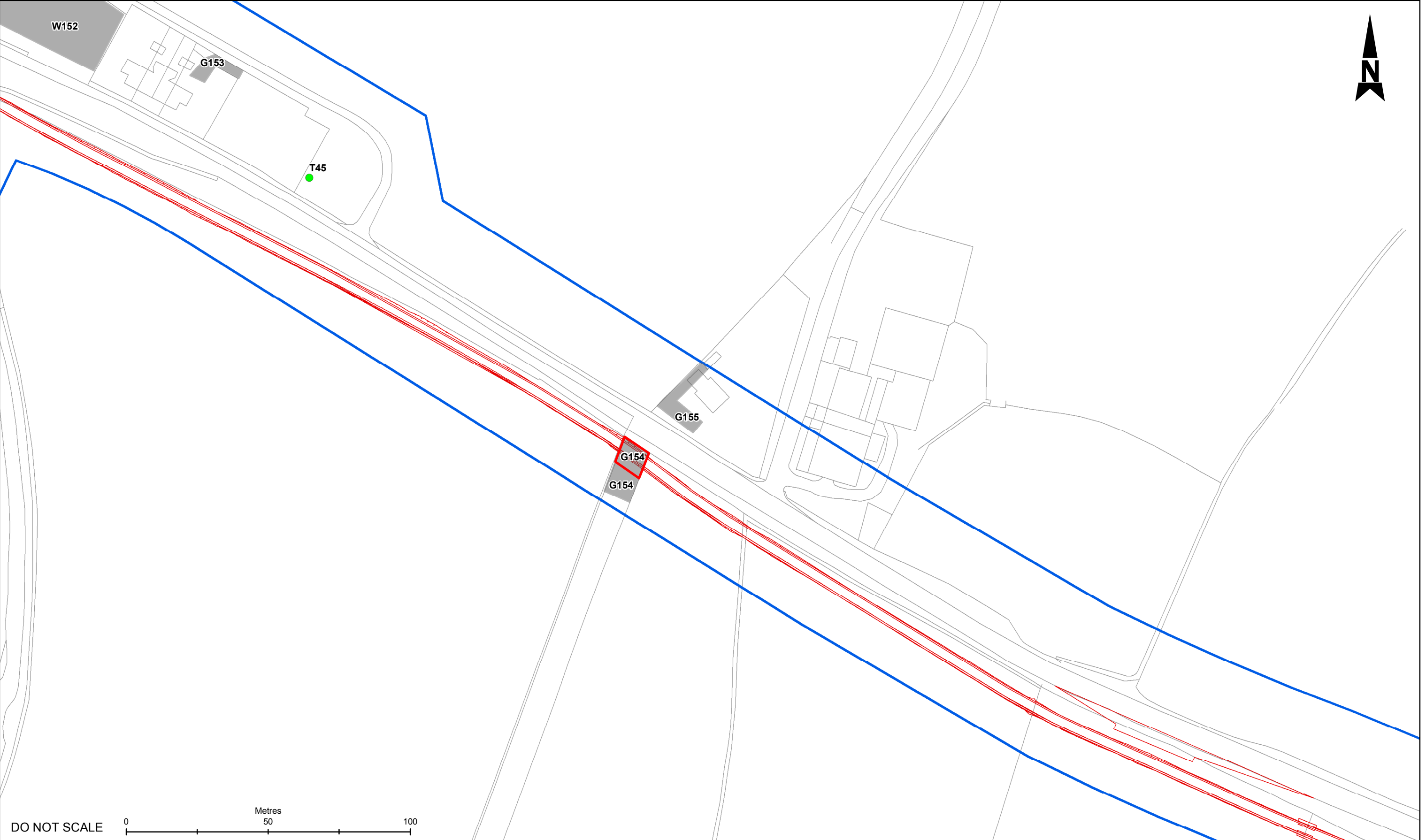
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|       |          |         |          |          |          |            |          |
|-------|----------|---------|----------|----------|----------|------------|----------|
| Drawn | AD       | Checked | JM       | Approved | JM       | Authorised | JM       |
| Date  | 11/02/19 | Date    | 11/02/19 | Date     | 11/02/19 | Date       | 11/02/19 |

|                |         |            |        |                  |          |
|----------------|---------|------------|--------|------------------|----------|
| Drawing Number | Project | Originator | Volume | Project Ref. No. | Revision |
| HE552988       | WSP     |            |        | 70035418         | P01      |





**KEY:**

—

 Proposed Scheme

▭

 Arboricultural Study Area

▭

 Unsurveyed Area

⊗

 Tree to be removed

■ ■ ■

 Hedge to be removed

▭

 Tree group to be removed

**Tree Category**

■

 A

■

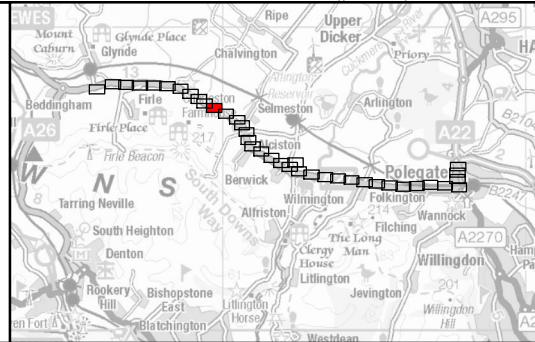
 B

■

 C

■

 U

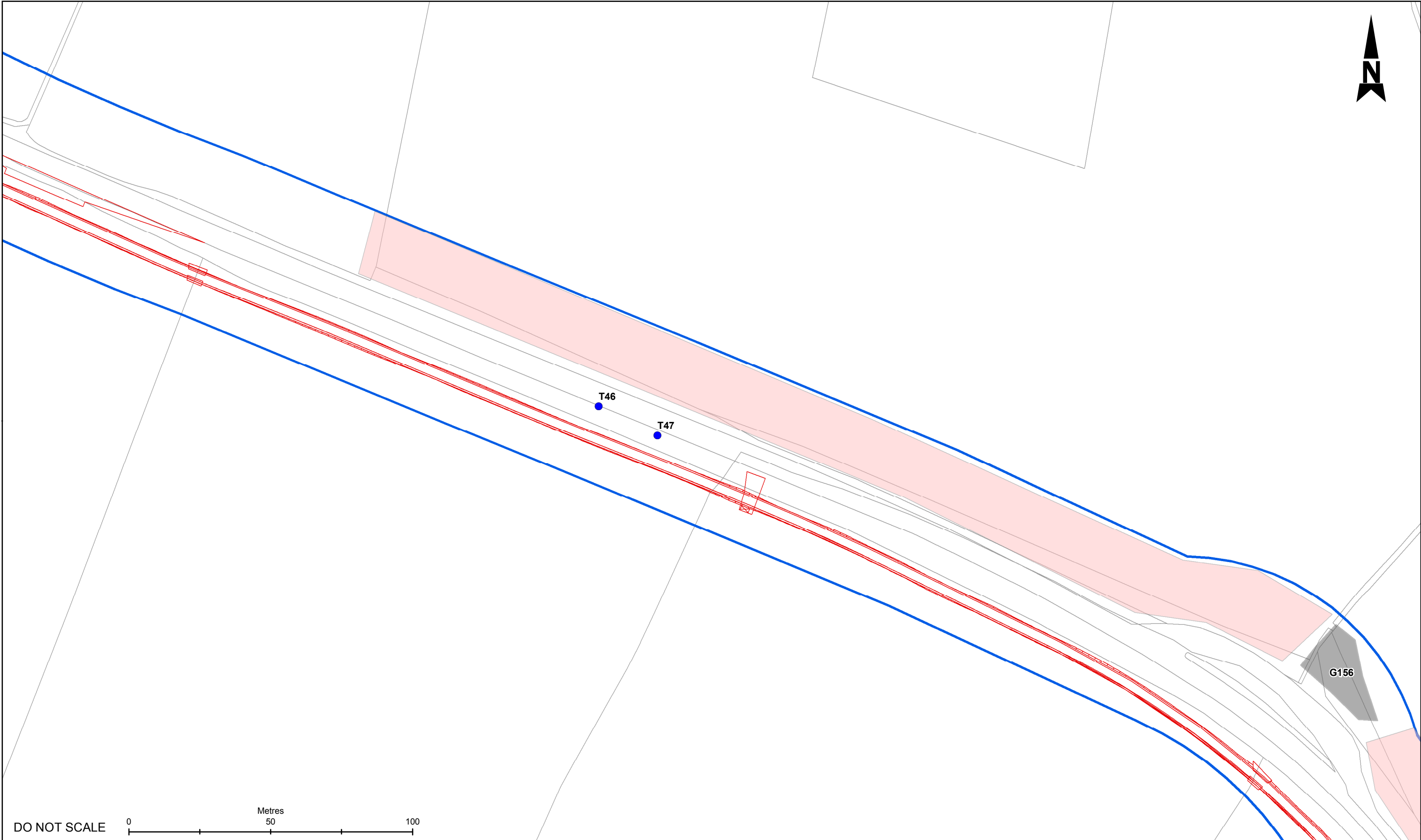


| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |      |             |     |       |       |
|--|------|-------------|-----|-------|-------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |      |             |     |       |       |
| Construction   |      |             |     |       |       |
| Maintenance / Cleaning   |      |             |     |       |       |
| Use  |      |             |     |       |       |
| Decomissioning / Demolition  |      |             |     |       |       |
| P01.1  | ---  | First Issue | --- | ---   | ---   |
| Rev.   | Date | Description | By  | Chk'd | App'd |

|  |       |                   |                  |   |                  |                              |  |
|--|-------|-------------------|------------------|---|------------------|------------------------------|--|
| Drawing Status   | FINAL | Suitability       | S0               | Project Title<br>A27<br>EAST OF LEWES   |                  |                              |  |
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| Scale<br>1:1,250   |       | Drawn<br>AD       | Checked<br>JM    | Approved<br>JM  | Authorised<br>JM |                              |  |
| Original Size<br>A3  |       | Date<br>11/02/19  | Date<br>11/02/19 | Date<br>11/02/19  | Date<br>11/02/19 |                              |  |
| Drawing Number<br>Project<br>HE552988  |       | Originator<br>WSP |                  | Volume  |                  | Project Ref. No.<br>70035418 |  |
| Location   |       | Type              | Role             | Number  |                  | Revision<br>P01              |  |

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 12 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

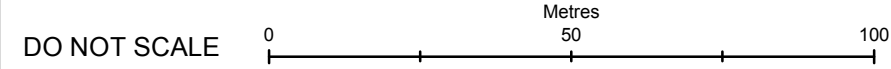
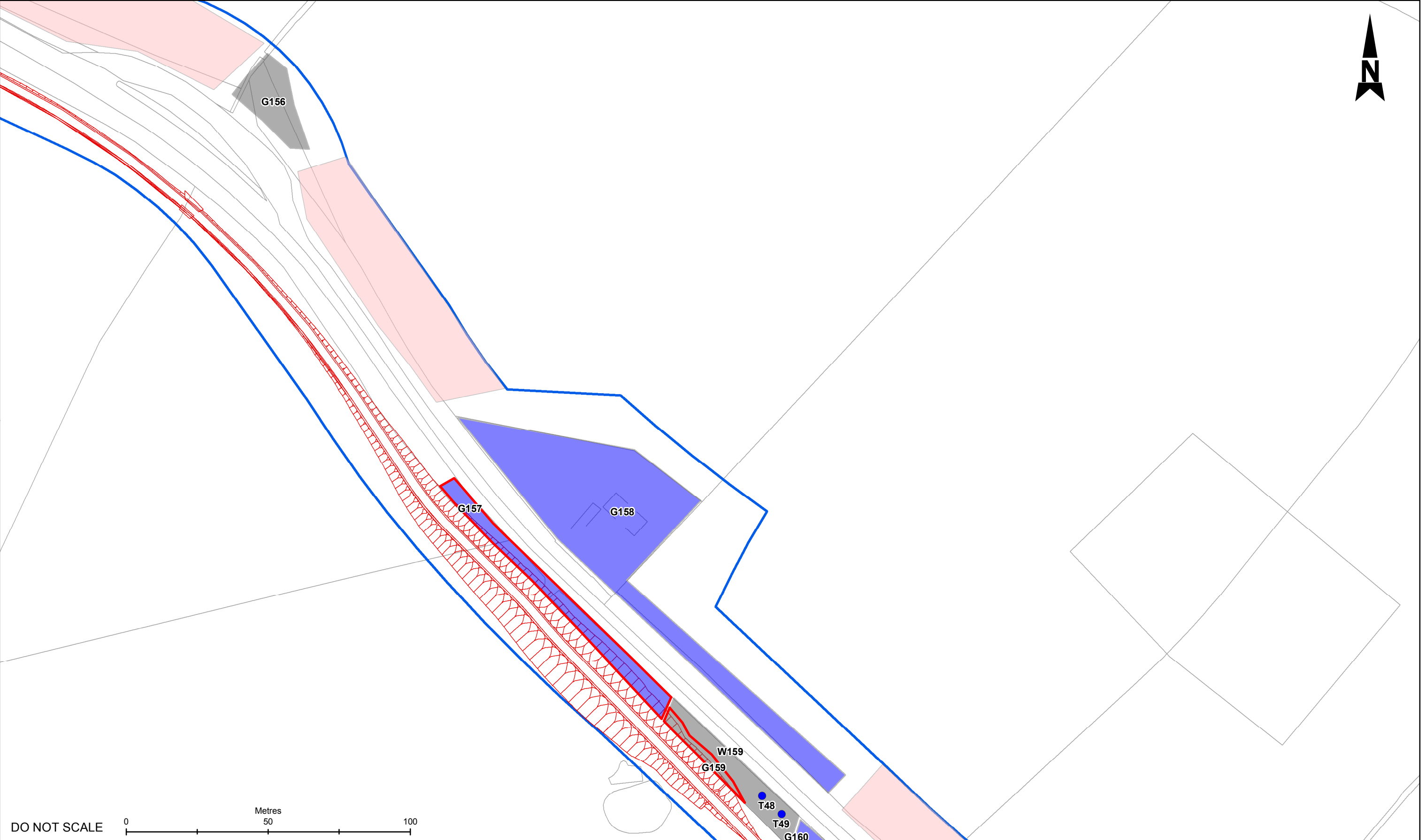
Location: |Type|Role|Number

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|            |          |         |                  |          |          |            |          |
|------------|----------|---------|------------------|----------|----------|------------|----------|
| Drawn      | AD       | Checked | JM               | Approved | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19         | Date     | 11/02/19 | Date       | 11/02/19 |
| Originator | Volume   |         | Project Ref. No. |          | Revision |            |          |
| WSP        |          |         | 70035418         |          | P01      |            |          |



**KEY:**

—

Proposed Scheme

▭

Arboricultural Study Area

▭

Unsurveyed Area

⊗

Tree to be removed

▬▬▬

Hedge to be removed

▭

Tree group to be removed

**Tree Category**

▭

A

▭

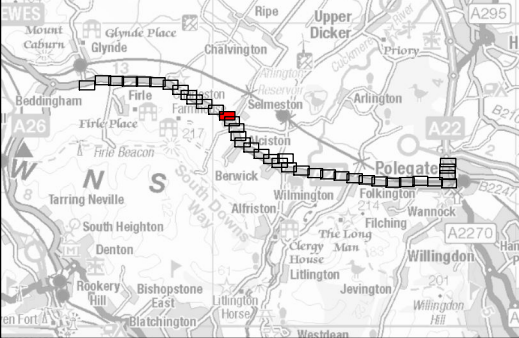
B

▭

C

▭

U



| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |      |             |    |             |
|--|------|-------------|----|-------------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |      |             |    |             |
| Construction   |      |             |    |             |
| Maintenance / Cleaning   |      |             |    |             |
| Use  |      |             |    |             |
| Decomissioning / Demolition  |      |             |    |             |
| Rev.   | Date | Description | By | Chk'd App'd |

|       |      |             |    |       |       |     |     |     |     |
|-------|------|-------------|----|-------|-------|-----|-----|-----|-----|
| P01.1 |      |             |    |       | ---   | --- | --- | --- | --- |
| Rev.  | Date | Description | By | Chk'd | App'd |     |     |     |     |

Drawing Status

FINAL

Suitability

S0

Project Title

A27  
EAST OF LEWES

Drawing Title

ARBORICULTURAL REMOVALS  
AND RETENTION PLAN  
PAGE 13 OF 38

Scale

1:1,250

Drawn

AD

Checked

JM

Approved

JM

Authorised

JM

Original Size

A3

Date

11/02/19

Date

11/02/19

Date

11/02/19

Date

11/02/19

Drawing Number

HE552988

Project

WSP

Originator

WSP

Volume

WSP

Project Ref. No.

70035418

Revision

P01

Location

Type

Role

Number

WSP

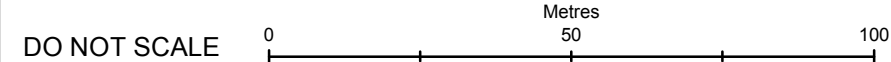
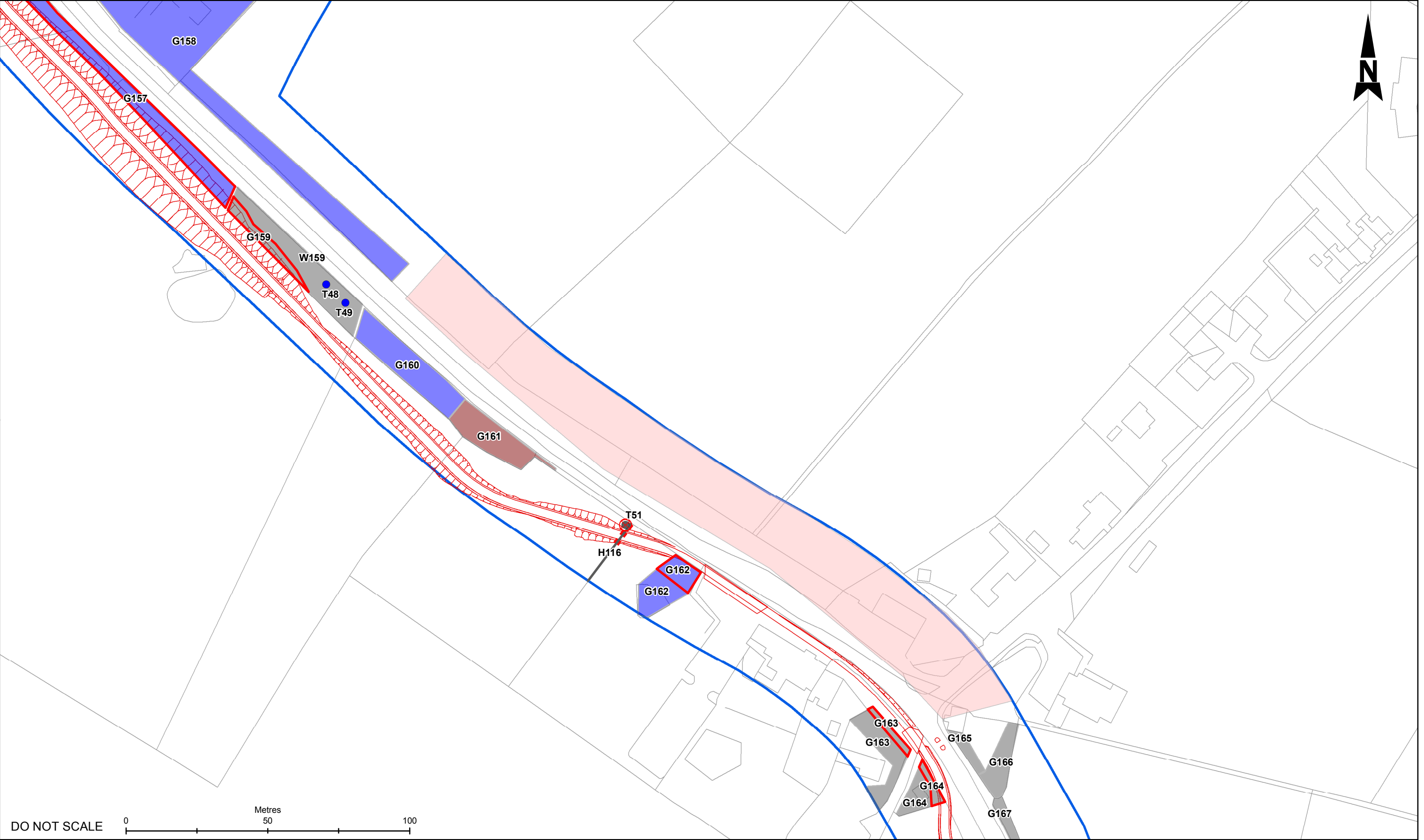
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**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

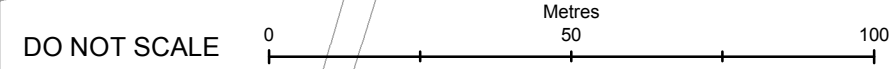
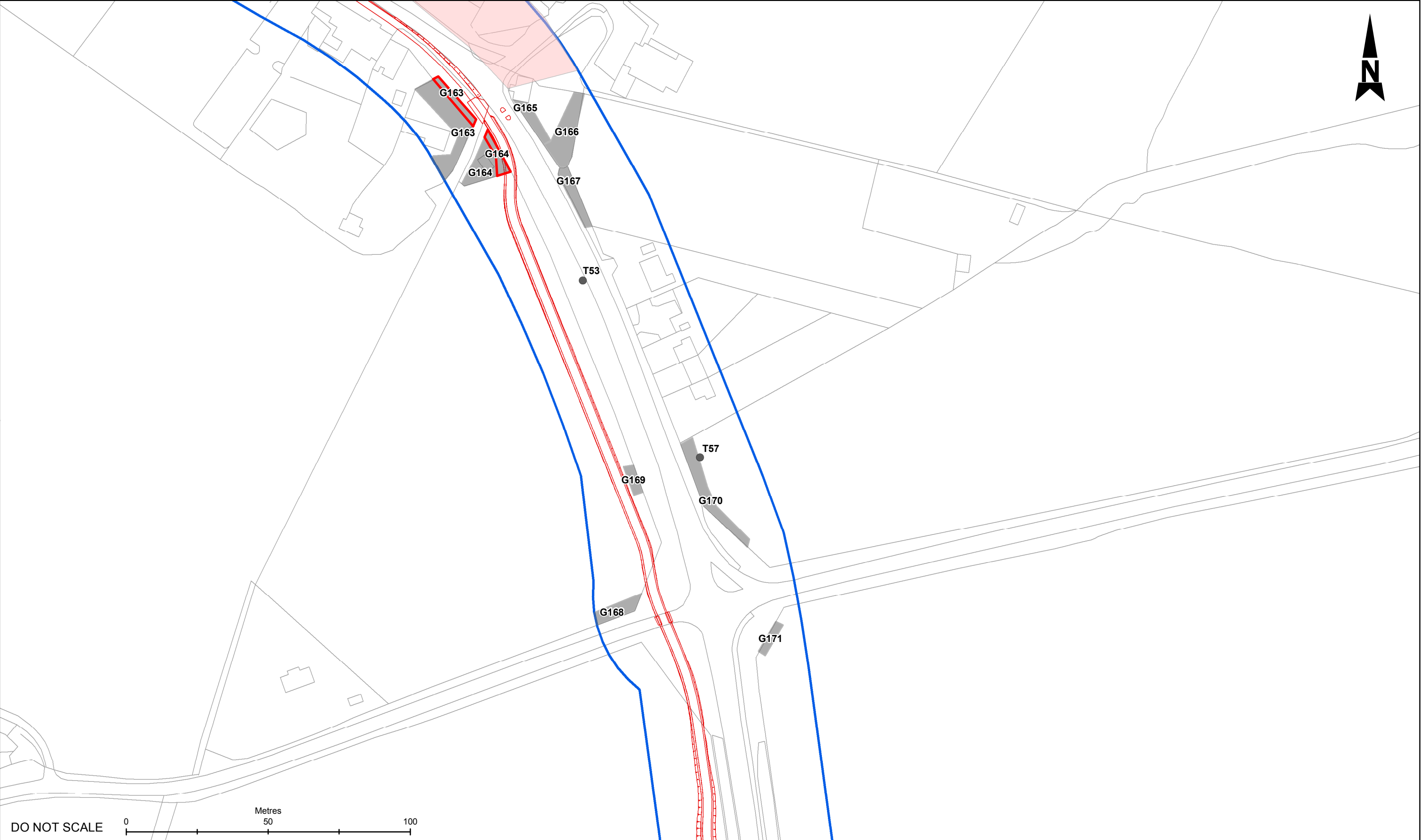
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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 14 OF 38

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No: 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

P01.1 --- First Issue --- --- ---

| Rev. | Date | Description | By | Chk'd | App'd |
|------|------|-------------|----|-------|-------|
|------|------|-------------|----|-------|-------|

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 15 OF 38

| Scale   | Drawn | Checked | Approved | Authorised |
|---------|-------|---------|----------|------------|
| 1:1,250 | AD    | JM      | JM       | JM         |

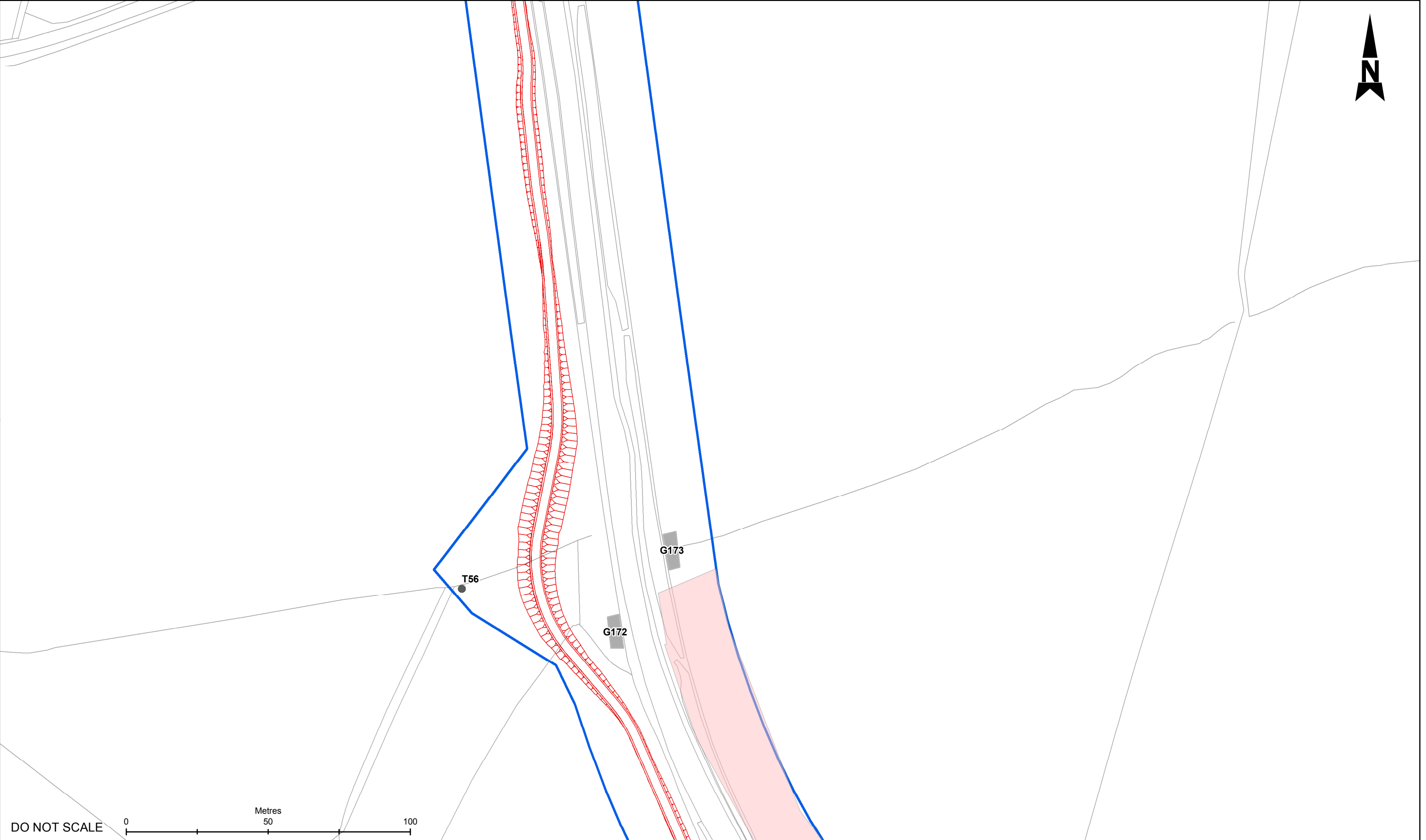
| Original Size | Date     | Date     | Date     | Date     |
|---------------|----------|----------|----------|----------|
| A3            | 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

Drawing Number: **HE552988** | Originator: **WSP** | Volume: | Project Ref. No. **70035418**

Location: | Type: | Role: | Number: |

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 16 OF 38

|                   |                |                |                |                |
|-------------------|----------------|----------------|----------------|----------------|
| Scale: 1:1,250    | Drawn: AD      | Checked: JM    | Approved: JM   | Authorised: JM |
| Original Size: A3 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 |

Drawing Number: HE552988  
Project: WSP

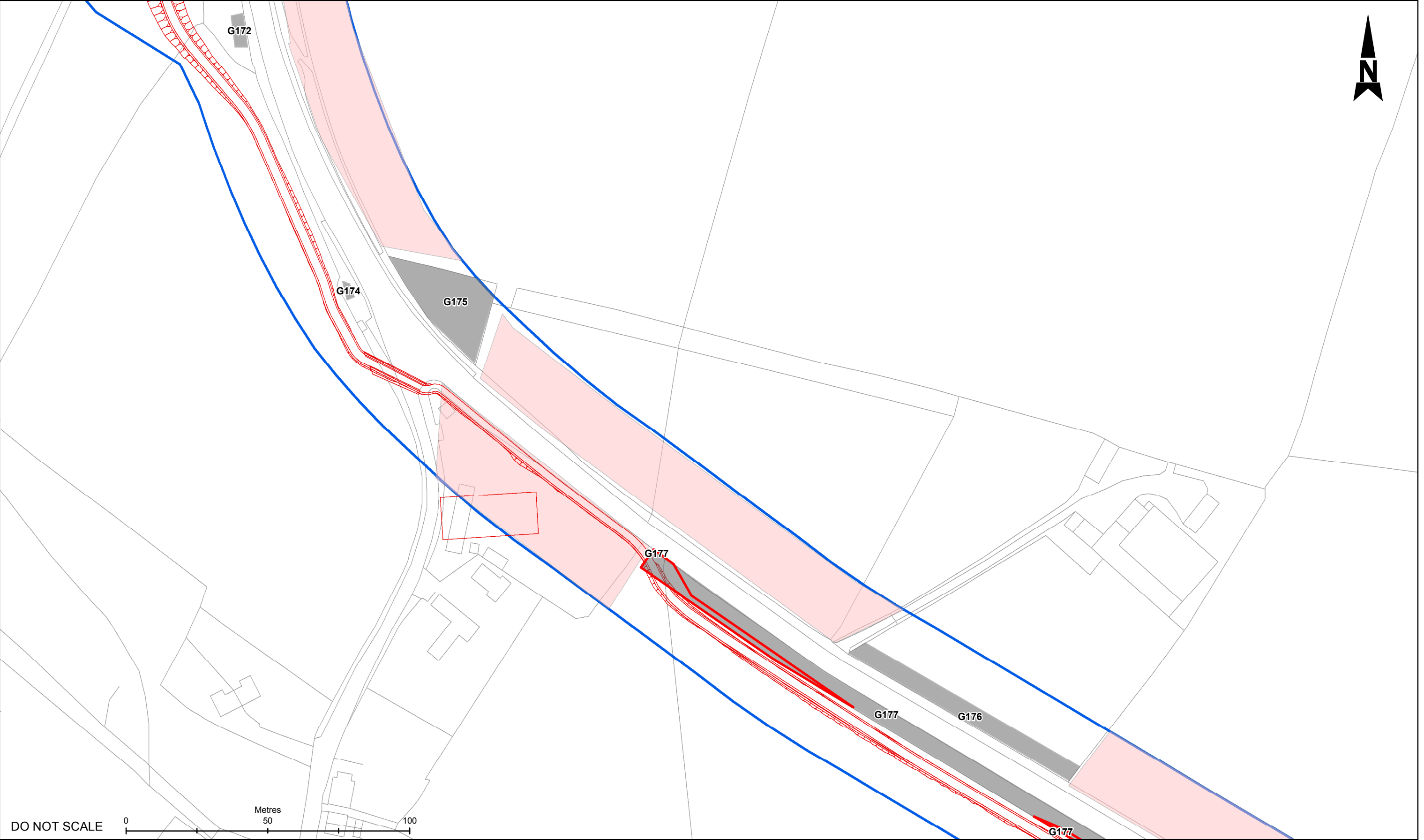
Location: |Type|Role|Number

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**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

Client: **Working on behalf of highways england**

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|-------|----------|---------|----------|----------|----------|------------|----------|
| Drawn | AD       | Checked | JM       | Approved | JM       | Authorised | JM       |
| Date  | 11/02/19 | Date    | 11/02/19 | Date     | 11/02/19 | Date       | 11/02/19 |

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

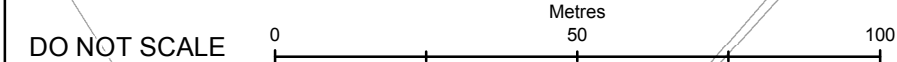
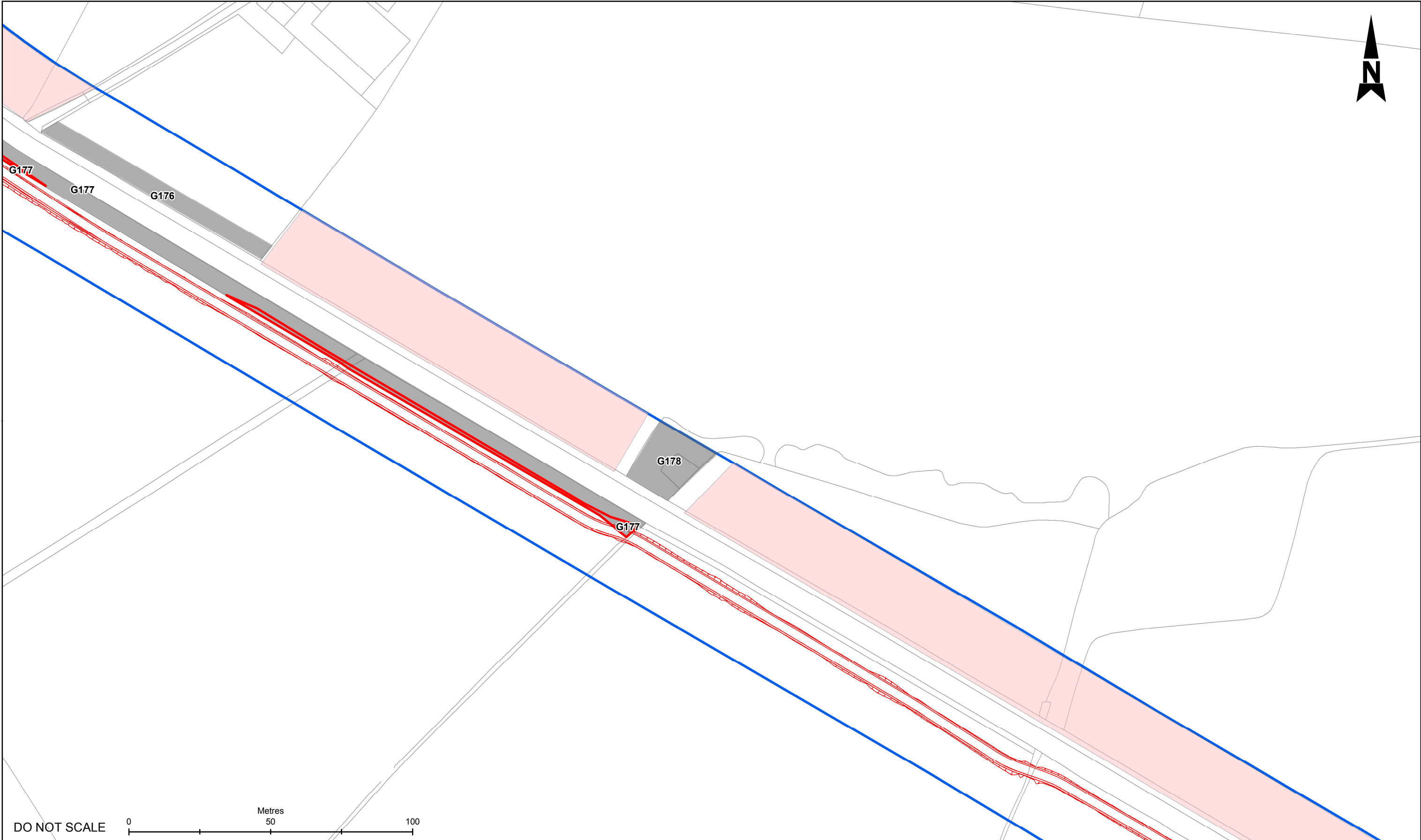
Type: **WSP**

Role: **WSP**

Number: **WSP**

Project Ref. No. **70035418**

Revision **P01**



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 18 OF 38

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

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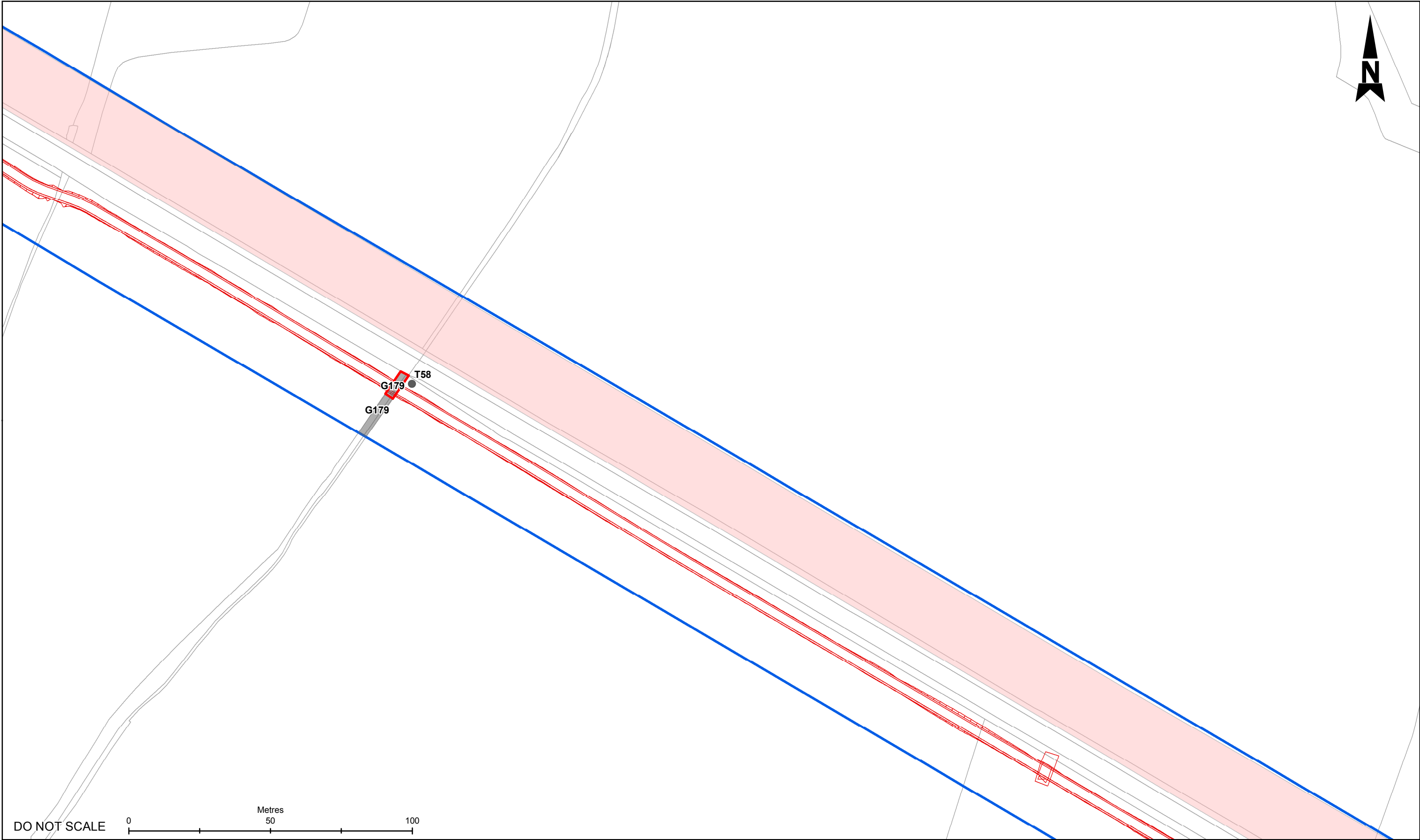
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|          |          |          |            |
|----------|----------|----------|------------|
| Drawn    | Checked  | Approved | Authorised |
| AD       | JM       | JM       | JM         |
| Date     | Date     | Date     | Date       |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19   |

Project Ref. No. **70035418**

Revision **P01**



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

Rev. Date Description By Chk'd App'd

P01.1 --- First Issue --- --- ---

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

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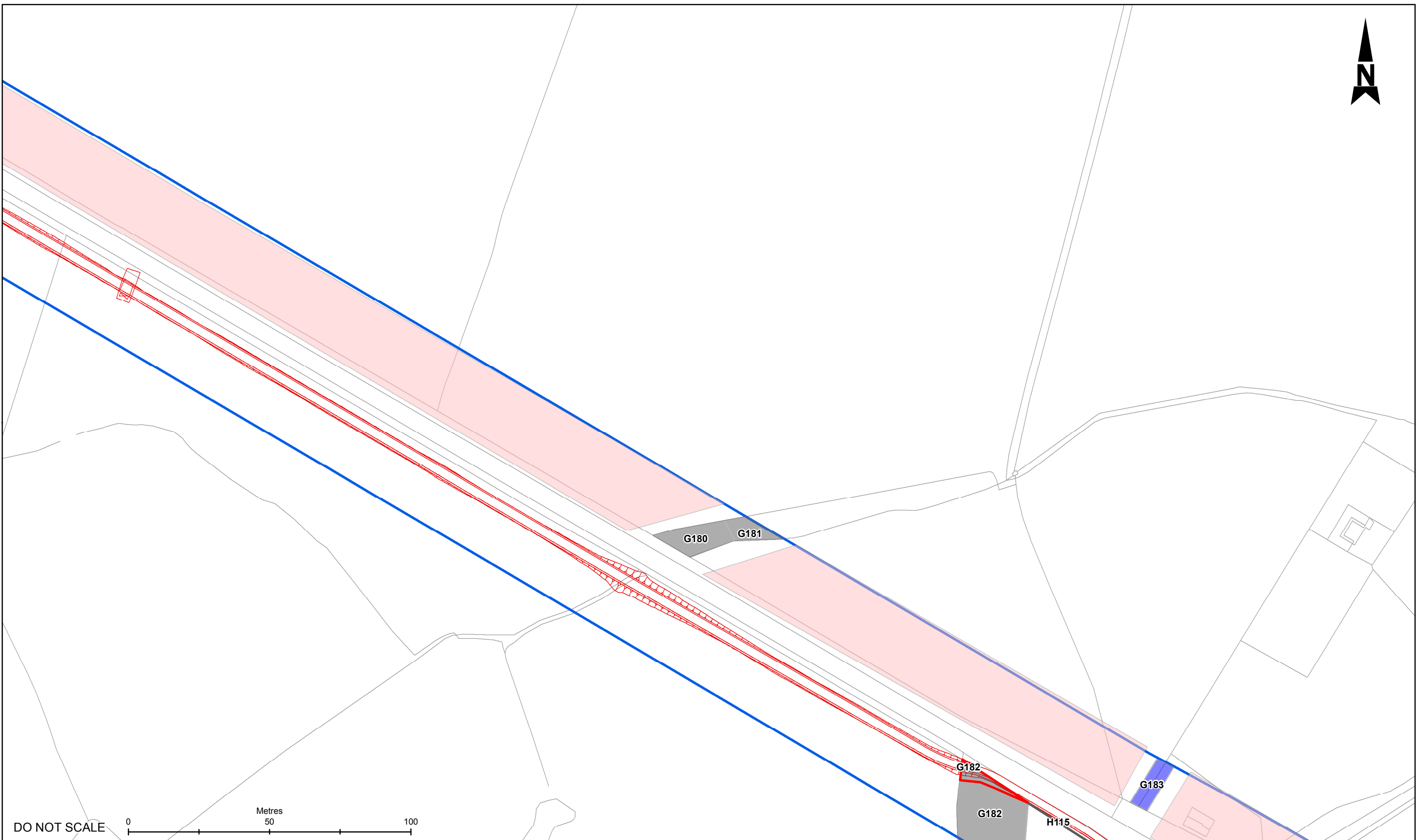
Working on behalf of

**highways england**

Project Ref. No. **70035418**

Revision **P01**





**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

**Construction**

**Maintenance / Cleaning**

**Use**

**Decomissioning / Demolition**

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Client: **Working on behalf of highways england**

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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 20 OF 38

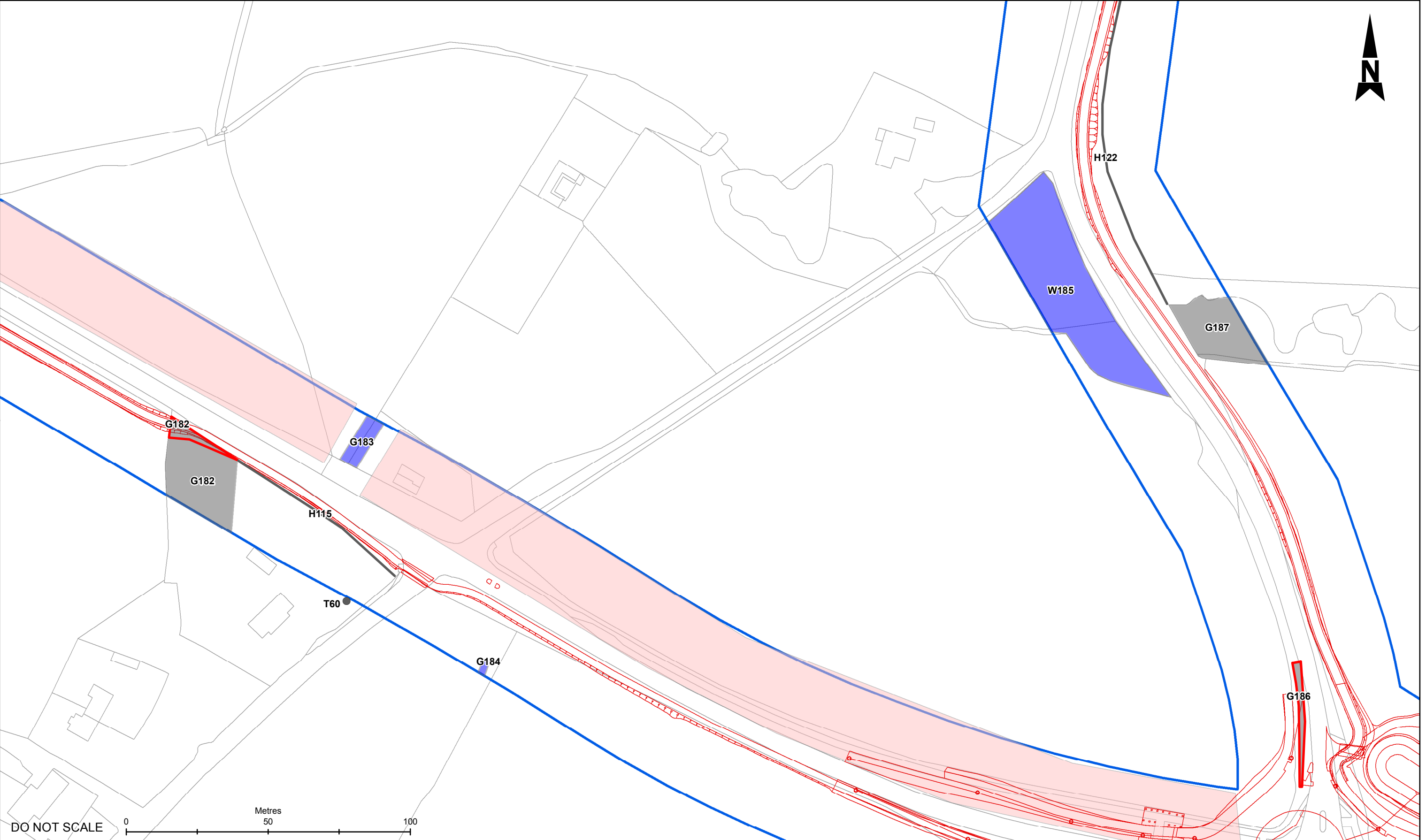
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|---------|-------|---------|----------|------------|
| 1:1,250 | AD    | JM      | JM       | JM         |

| Original Size | Date     | Date     | Date     | Date     |
|---------------|----------|----------|----------|----------|
| A3            | 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Drawing Number | Project | Originator | Volume | Project Ref. No. |
|----------------|---------|------------|--------|------------------|
| HE552988       | WSP     |            |        | 70035418         |

| Location | Type | Role | Number | Revision |
|----------|------|------|--------|----------|
|          |      |      |        | P01      |





**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

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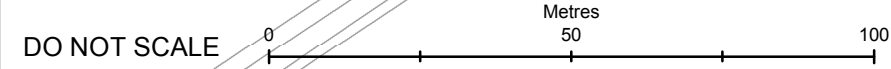
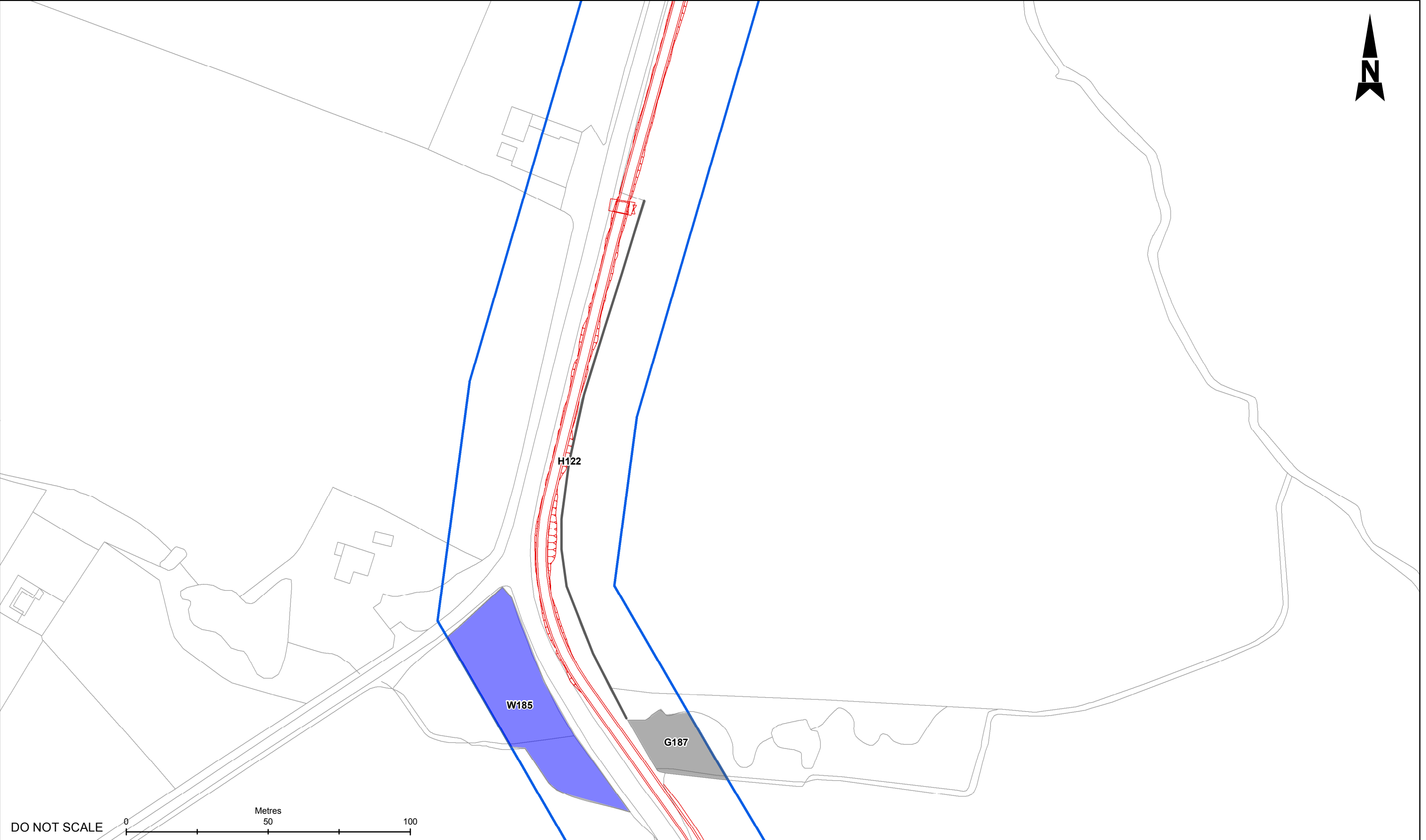
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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 21 OF 38**

|                   |                |                |                |                |
|-------------------|----------------|----------------|----------------|----------------|
| Scale: 1:1,250    | Drawn: AD      | Checked: JM    | Approved: JM   | Authorised: JM |
| Original Size: A3 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 |

|                          |              |             |         |                           |
|--------------------------|--------------|-------------|---------|---------------------------|
| Drawing Number: HE552988 | Project: WSP | Originator: | Volume: | Project Ref. No: 70035418 |
| Location:                | Type:        | Role:       | Number: | Revision: P01             |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 22 OF 38

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

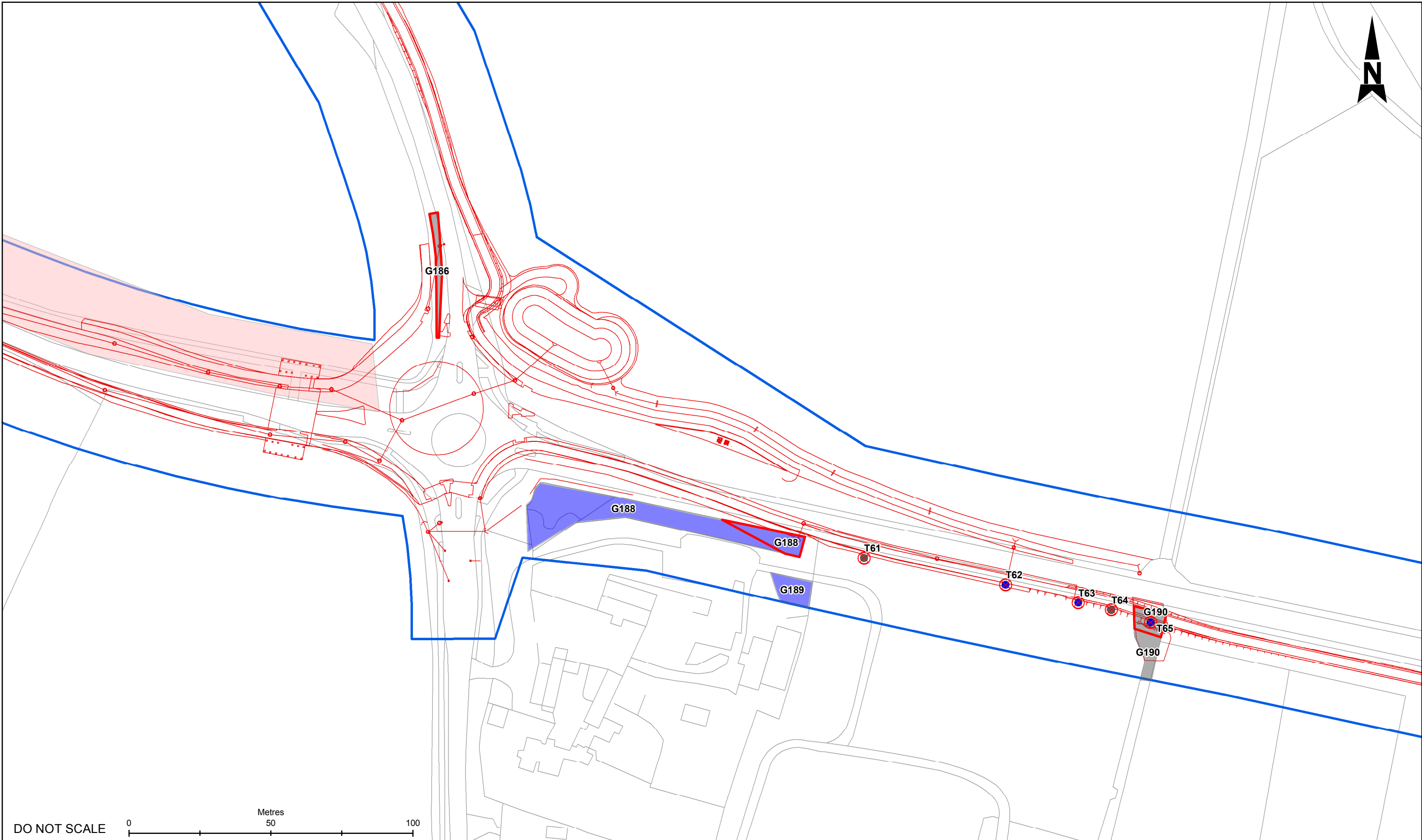
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|          |          |          |            |
|----------|----------|----------|------------|
| Drawn    | Checked  | Approved | Authorised |
| AD       | JM       | JM       | JM         |
| Date     | Date     | Date     | Date       |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19   |

Drawing Number Project: **HE552988** | Originator: **WSP** | Volume: | Project Ref. No. **70035418** | Revision: **P01**



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

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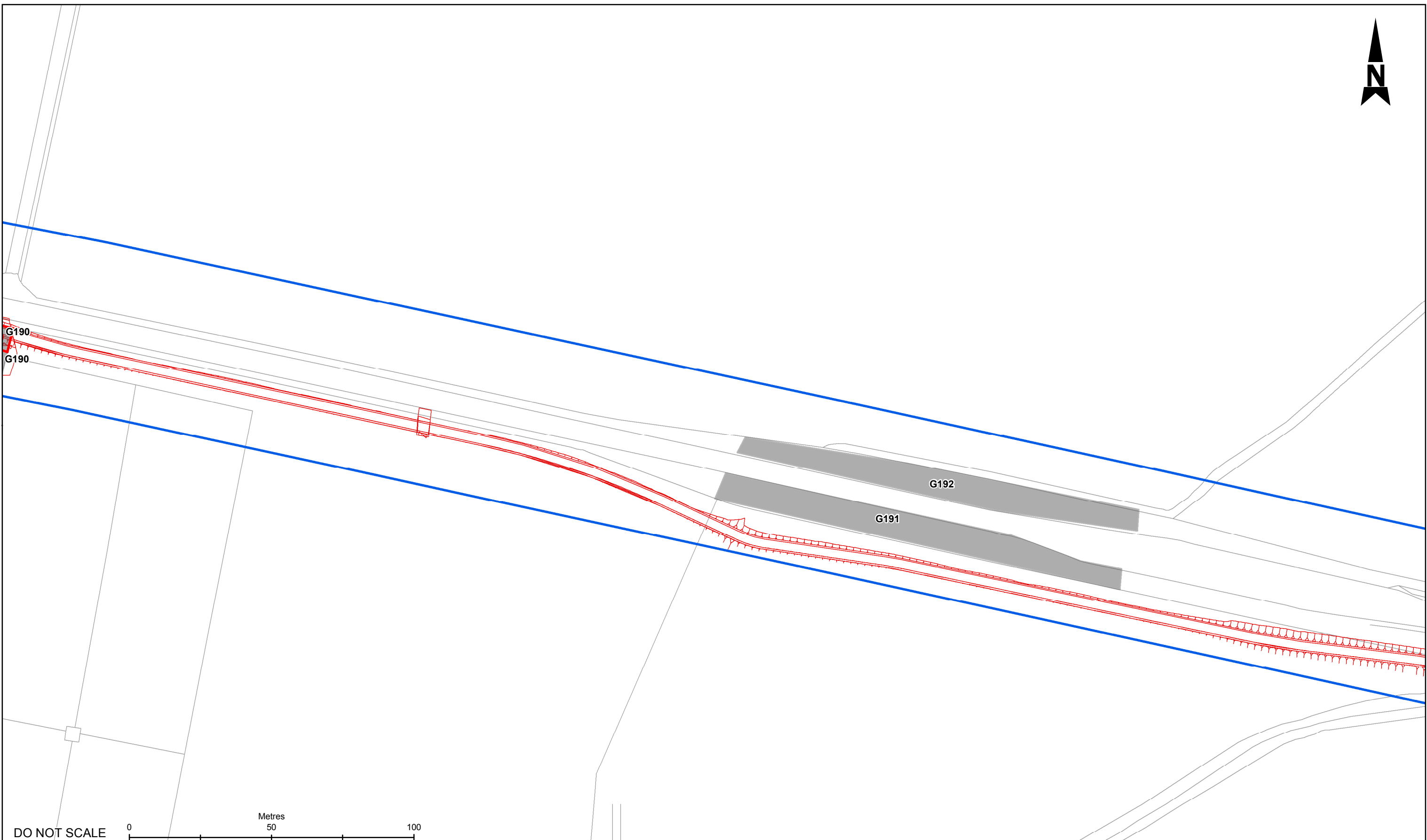
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Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
**PAGE 23 OF 38**

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No: 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 24 OF 38**

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: | Type | Role | Number

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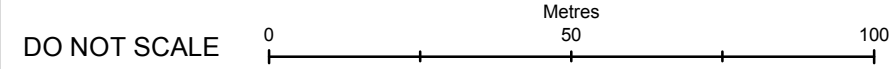
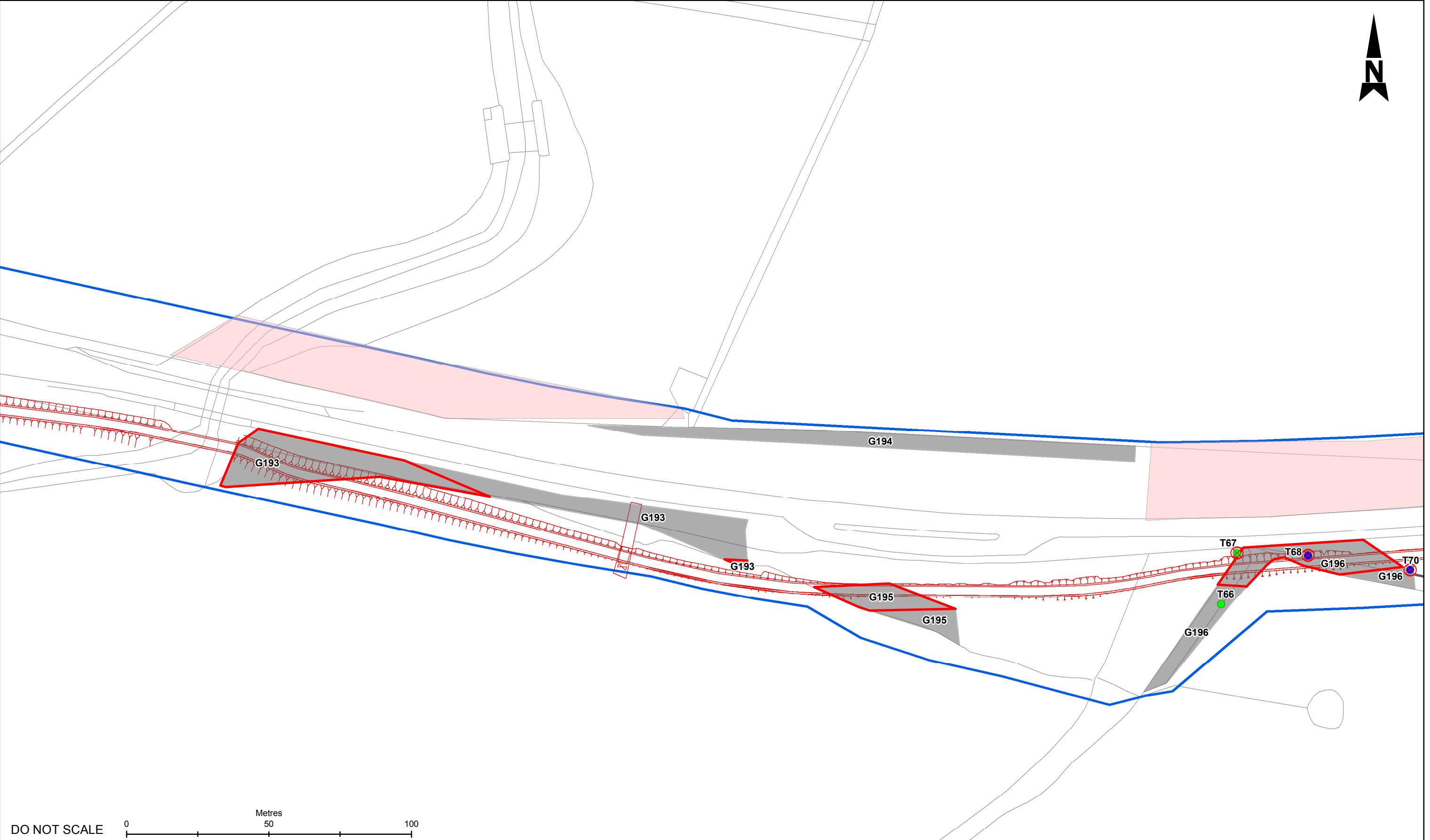
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|----------|----------|----------|------------|
| Drawn    | Checked  | Approved | Authorised |
| AD       | JM       | JM       | JM         |
| Date     | Date     | Date     | Date       |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19   |

Project Ref. No. **70035418**

Revision **P01**



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 25 OF 38

Scale: 1:1,250

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: |Type|Role|Number

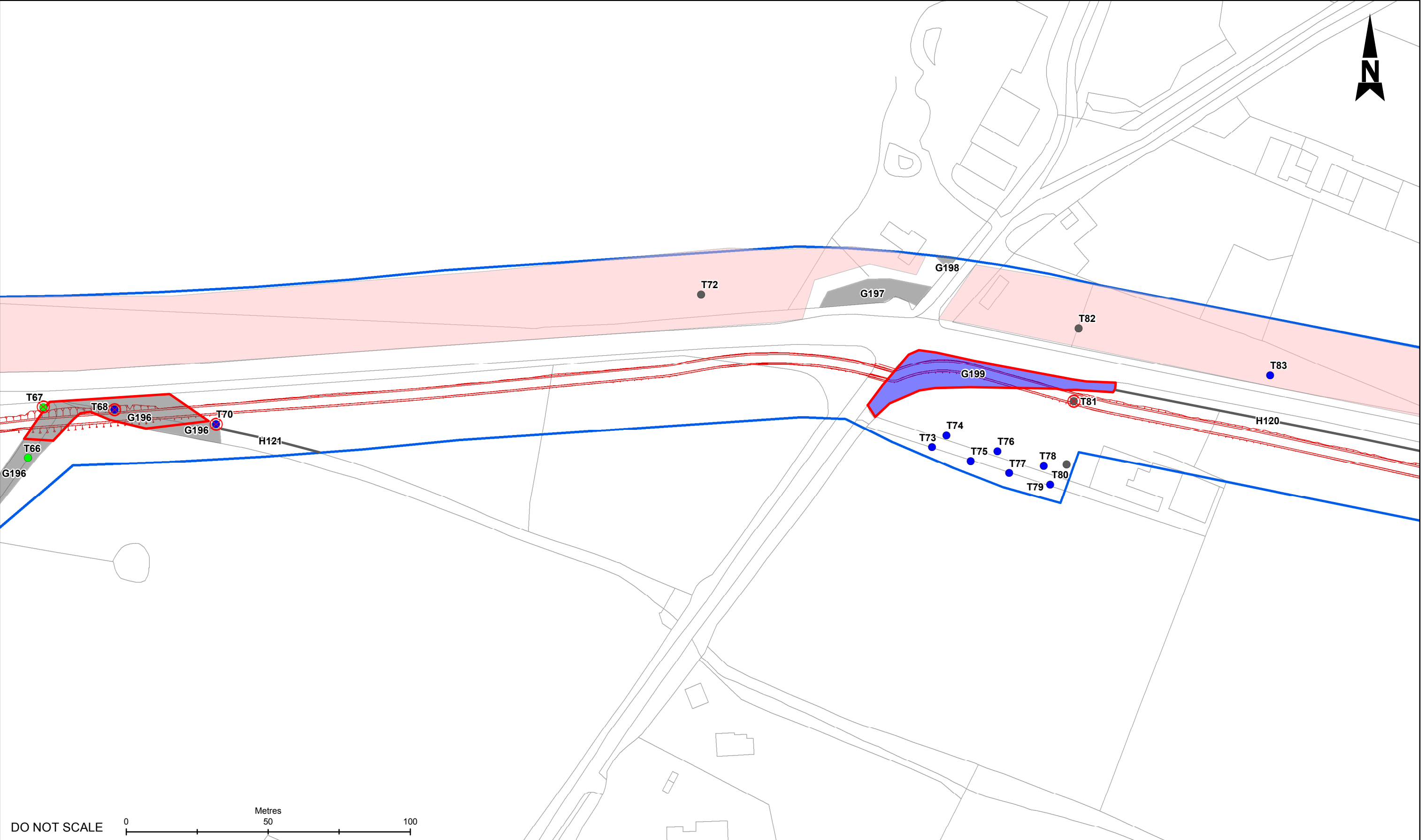
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|            |          |         |          |                  |          |            |          |
|------------|----------|---------|----------|------------------|----------|------------|----------|
| Drawn      | AD       | Checked | JM       | Approved         | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19 | Date             | 11/02/19 | Date       | 11/02/19 |
| Originator |          | Volume  |          | Project Ref. No. |          | Revision   |          |
| WSP        |          |         |          | 70035418         |          | P01        |          |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

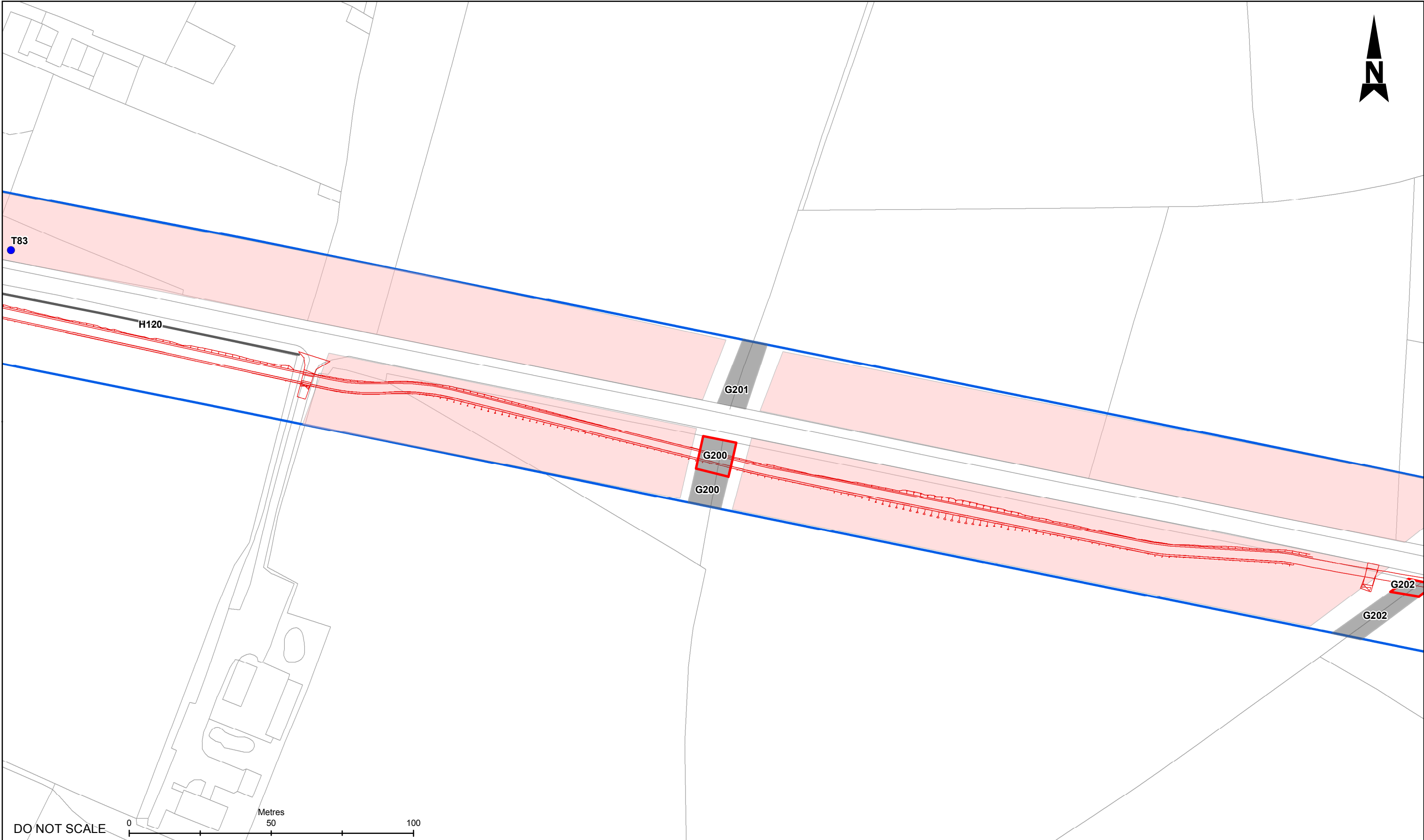
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| Suitability    | S0   |
| Project Title  | A27 EAST OF LEWES  |
| Drawing Title  | ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 26 OF 38 |
| Scale          | 1:1,250  |
| Original Size  | A3   |
| Drawing Number | HE552988   |
| Project        | WSP  |
| Location       |  |

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|------------|----------|---------|----------|------------------|----------|------------|----------|
| Drawn      | AD       | Checked | JM       | Approved         | JM       | Authorised | JM       |
| Date       | 11/02/19 | Date    | 11/02/19 | Date             | 11/02/19 | Date       | 11/02/19 |
| Originator | WSP      | Volume  |          | Project Ref. No. | 70035418 | Revision   | P01      |
| Type       |          | Role    |          | Number           |          |            |          |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

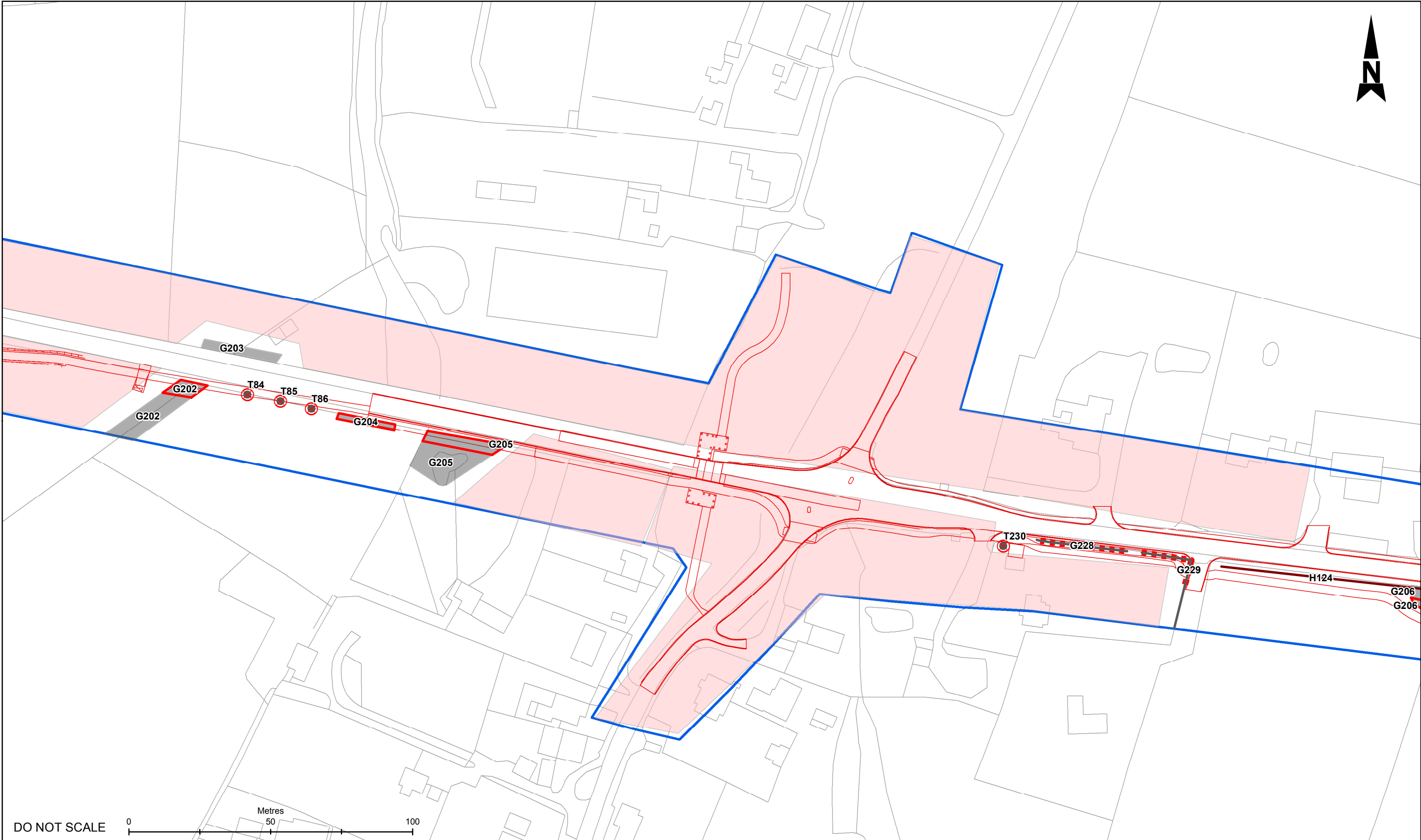
Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 27 OF 38

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No: 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |

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**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

| Rev.  | Date | Description | By  | Chk'd | App'd |
|-------|------|-------------|-----|-------|-------|
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

WSP

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Client: **Working on behalf of highways england**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

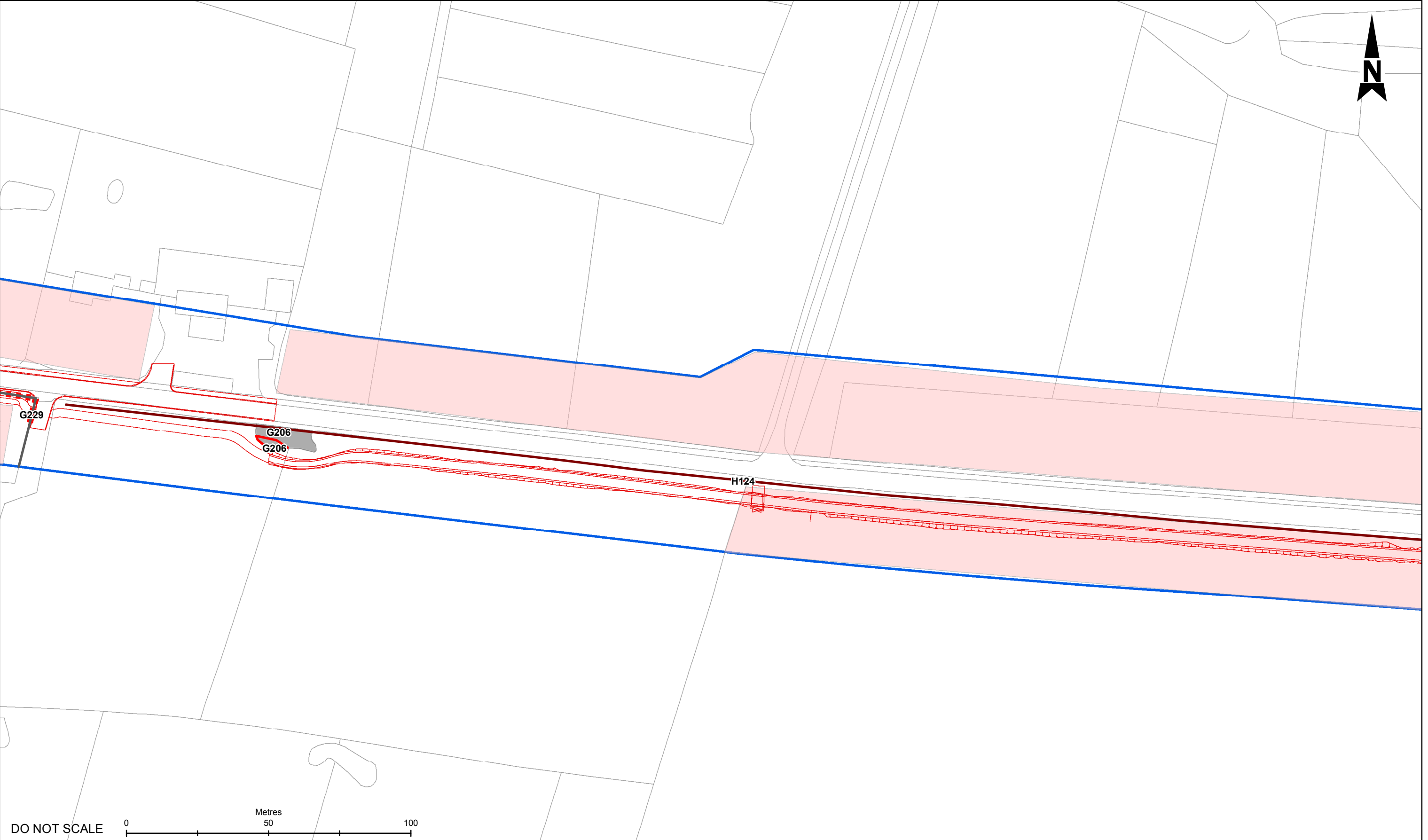
Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
**PAGE 28 OF 38**

| Scale   | Drawn | Checked | Approved | Authorised |
|---------|-------|---------|----------|------------|
| 1:1,250 | AD    | JM      | JM       | JM         |

| Original Size | Date     | Date     | Date     | Date     |
|---------------|----------|----------|----------|----------|
| A3            | 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

| Drawing Number | Project | Originator | Volume | Project Ref. No. |
|----------------|---------|------------|--------|------------------|
| HE552988       | WSP     |            |        | 70035418         |

| Location | Type | Role | Number |
|----------|------|------|--------|
|          |      |      | P01    |



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 29 OF 38

Scale: 1:1,250

Drawn: AD

Checked: JM

Approved: JM

Authorised: JM

Original Size: A3

Date: 11/02/19

Date: 11/02/19

Date: 11/02/19

Date: 11/02/19

Drawing Number: HE552988

Project: WSP

Originator: WSP

Volume: WSP

Project Ref. No: 70035418

Revision: P01

Location: |Type|Role|Number

WSP

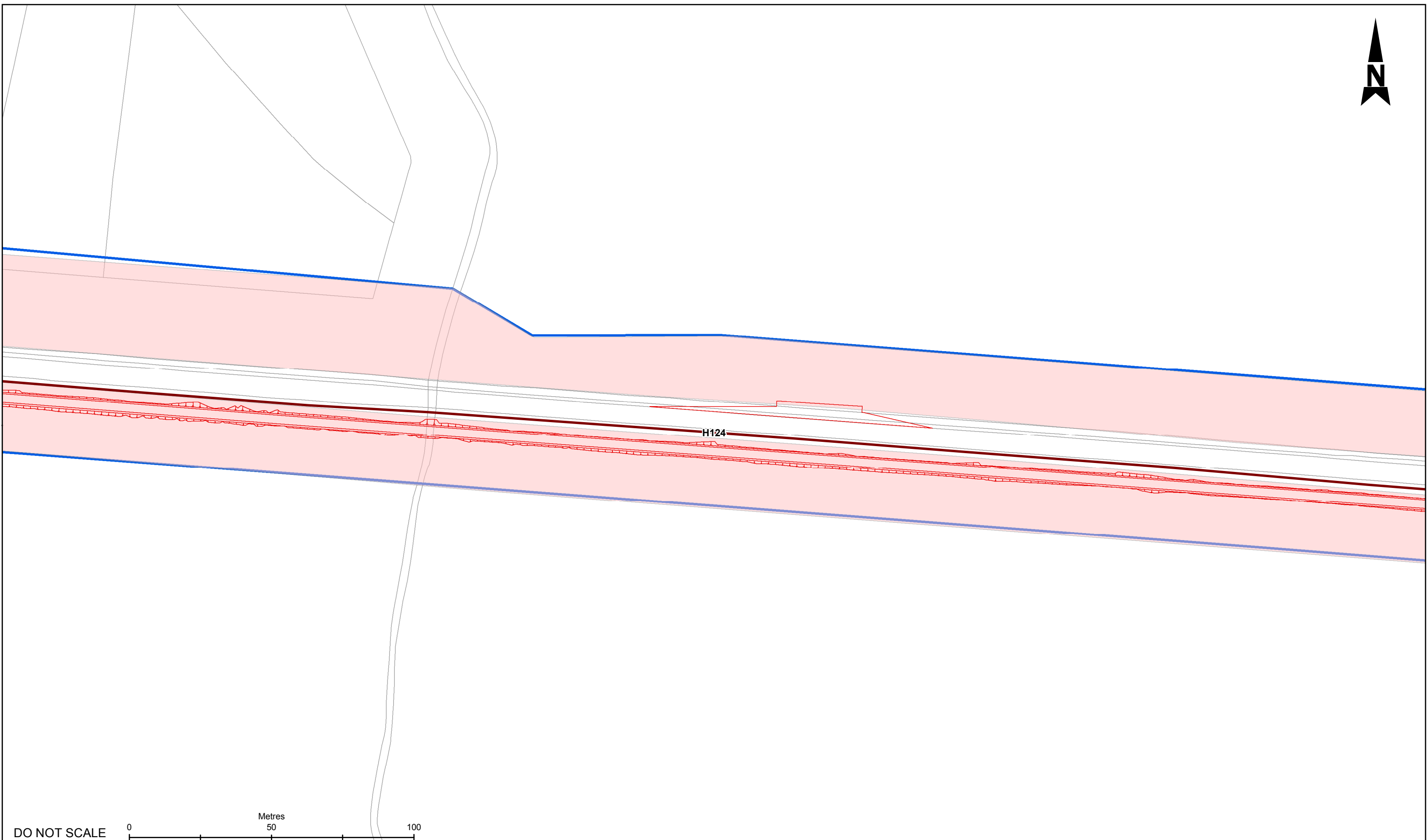
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**KEY:**

—

Proposed Scheme

▭

Arboricultural Study Area

▭

Unsurveyed Area

⊗

Tree to be removed

■ ■ ■

Hedge to be removed

▭

Tree group to be removed

**Tree Category**

▭

A

▭

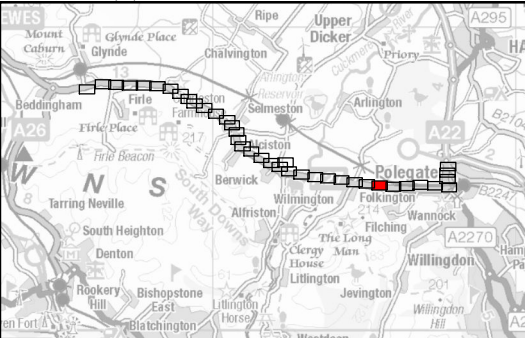
B

▭

C

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| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |      |             |    |             |
|--|------|-------------|----|-------------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |      |             |    |             |
| Construction   |      |             |    |             |
| Maintenance / Cleaning   |      |             |    |             |
| Use  |      |             |    |             |
| Decomissioning / Demolition  |      |             |    |             |
| Rev.   | Date | Description | By | Chk'd App'd |

|       |      |             |    |       |       |     |     |
|-------|------|-------------|----|-------|-------|-----|-----|
| P01.1 |      |             |    |       | ---   | --- | --- |
| Rev.  | Date | Description | By | Chk'd | App'd |     |     |

Drawing Status

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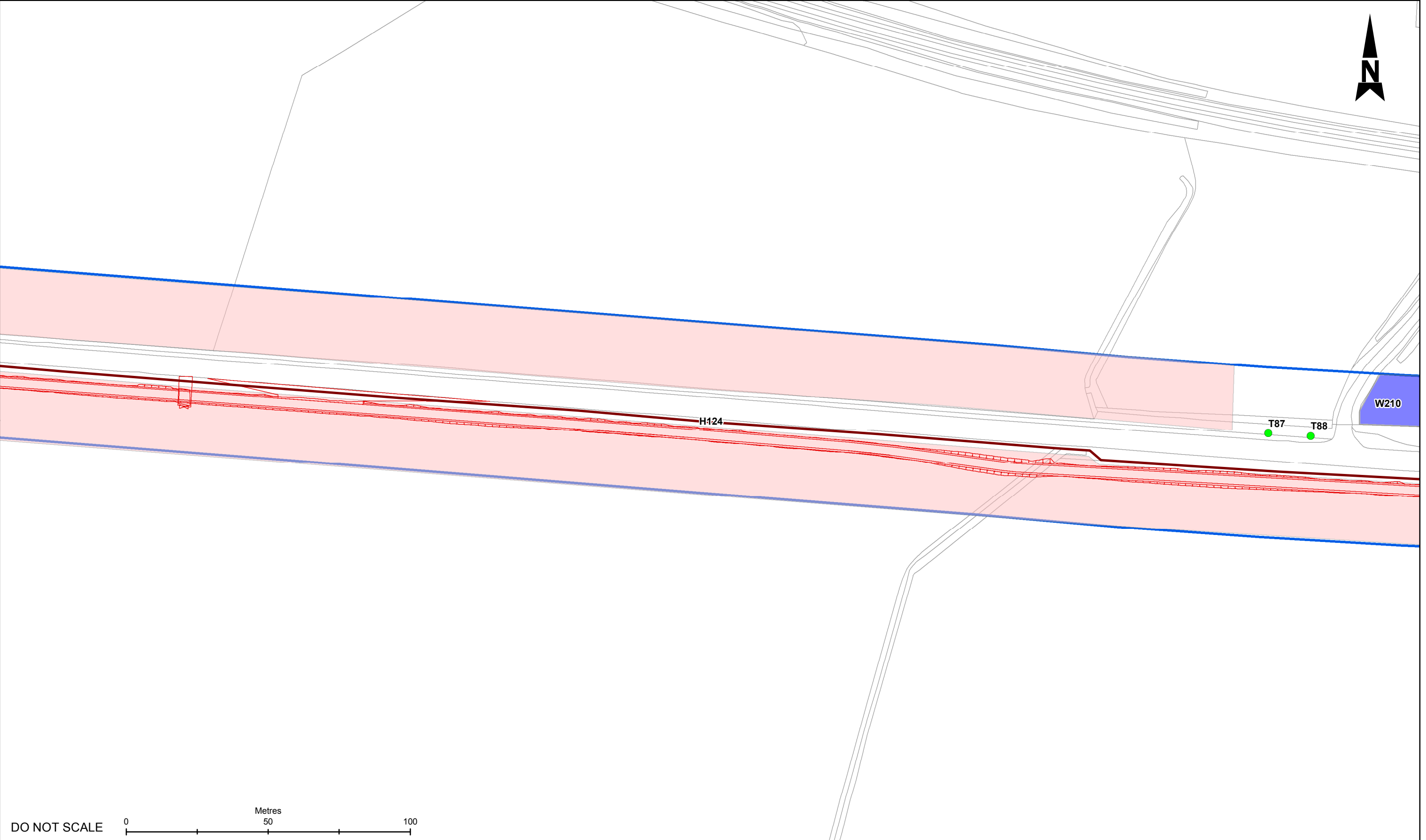
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Client

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|                |          |               |            |         |                  |  |          |            |          |
|----------------|----------|---------------|------------|---------|------------------|--|----------|------------|----------|
| S0             |          | Project Title |            |         |                  | A27 EAST OF LEWES                          |          |            |          |
|                |          | Drawing Title |            |         |                  | ARBORICULTURAL REMOVALS AND RETENTION PLAN |          |            |          |
|                |          | PAGE 30 OF 38 |            |         |                  |  |          |            |          |
| Scale          | 1:1,250  | Drawn         | AD         | Checked | JM               | Approved                                   | JM       | Authorised | JM       |
| Original Size  | A3       | Date          | 11/02/19   | Date    | 11/02/19         | Date                                       | 11/02/19 | Date       | 11/02/19 |
| Drawing Number | HE552988 |               | WSP        |         | Project Ref. No. |  | 70035418 |            |          |
| Project        |          |               | Originator |         | Volume           |  | Revision |            |          |
| Location       |          |               | Type       |         | Role             |  | Number   |            |          |
|                |          |               |            |         |                  |  |          | P01        |          |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

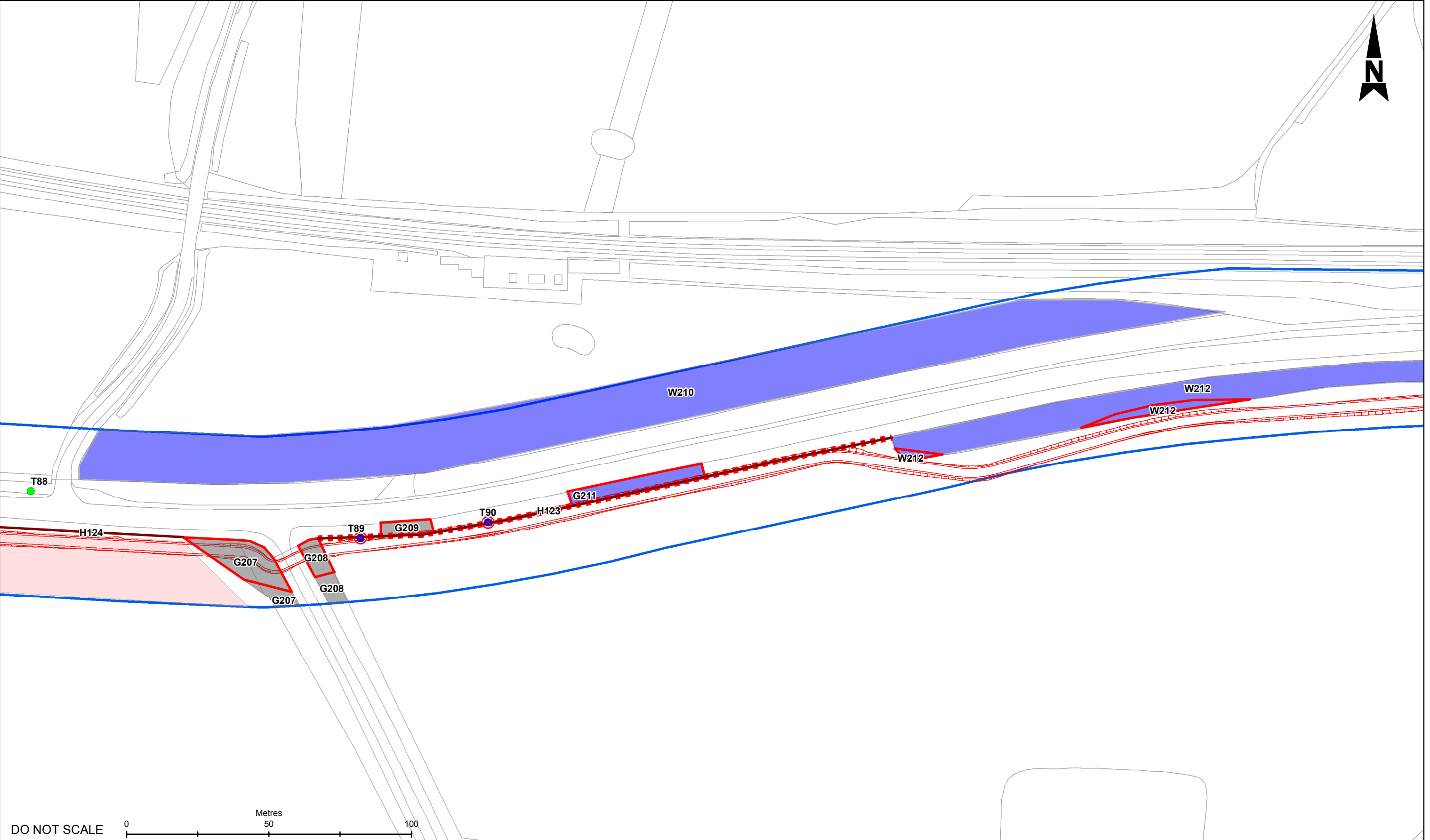
Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 31 OF 38

|                          |                |                 |                |                           |
|--------------------------|----------------|-----------------|----------------|---------------------------|
| Scale: 1:1,250           | Drawn: AD      | Checked: JM     | Approved: JM   | Authorised: JM            |
| Original Size: A3        | Date: 11/02/19 | Date: 11/02/19  | Date: 11/02/19 | Date: 11/02/19            |
| Drawing Number: HE552988 | Project: WSP   | Originator: WSP | Volume: WSP    | Project Ref. No. 70035418 |
| Location:                | Type:          | Role:           | Number:        | Revision: P01             |

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**KEY:**

—

Proposed Scheme

▭

Arboricultural Study Area

▭

Unsurveyed Area

⊗

Tree to be removed

▬▬▬

Hedge to be removed

▭

Tree group to be removed

**Tree Category**

▭

A

▭

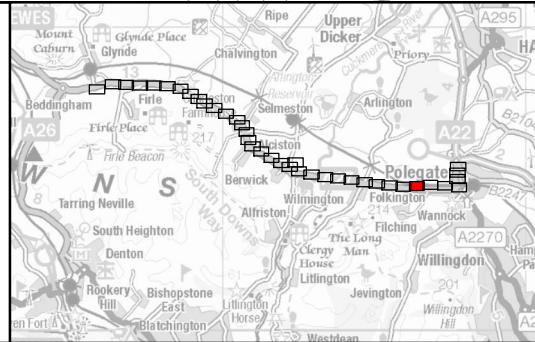
B

▭

C

▭

U



| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON  |  |
|--|--|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). |  |
| Construction   |  |
| Maintenance / Cleaning   |  |
| Use  |  |
| Decomissioning / Demolition  |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status

FINAL

Suitability

S0

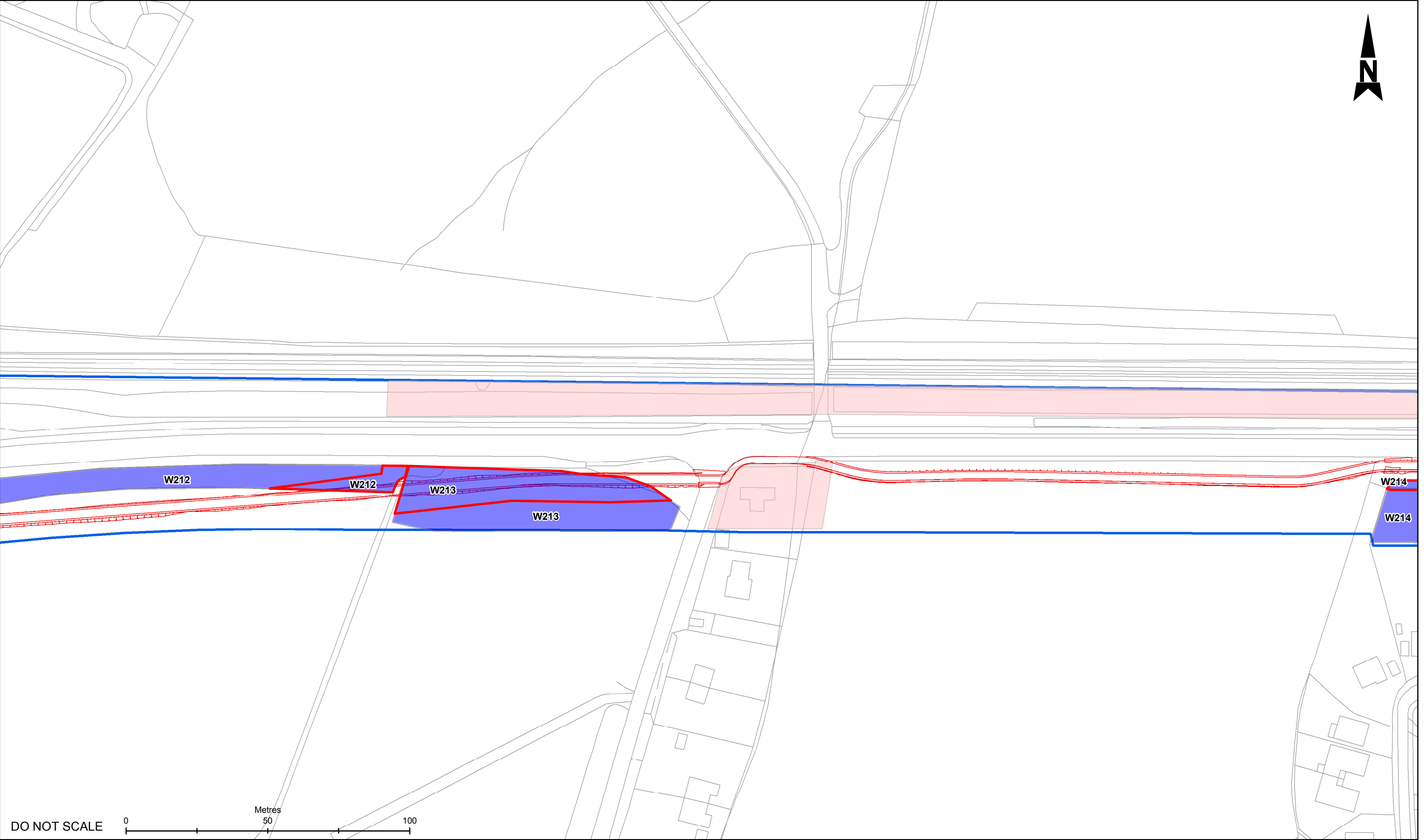
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|                  |         |  |          |          |          |
|------------------|---------|--|----------|----------|----------|
| Project Title    |         | A27<br>EAST OF LEWES   |          |          |          |
| Drawing Title    |         | ARBORICULTURAL REMOVALS<br>AND RETENTION PLAN<br>PAGE 32 OF 38 |          |          |          |
| Scale            | 1:1,250 | Drawn  | AD       | Checked  | JM       |
| Original Size    | A3      | Date   | 11/02/19 | Date     | 11/02/19 |
| Drawing Number   |         | HE552988   |          | WSP      |          |
| Project          |         | Originator   |          | Volume   |          |
| Location         |         | Type   |          | Role     |          |
| Project Ref. No. |         | 70035418   |          | Revision |          |
|                  |         |  |          | P01      |          |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decomissioning / Demolition

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

Suitability: **S0**

Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
PAGE 33 OF 38

Scale: **1:1,250**

Original Size: **A3**

Drawing Number: **HE552988**

Project: **WSP**

Location: **WSP**

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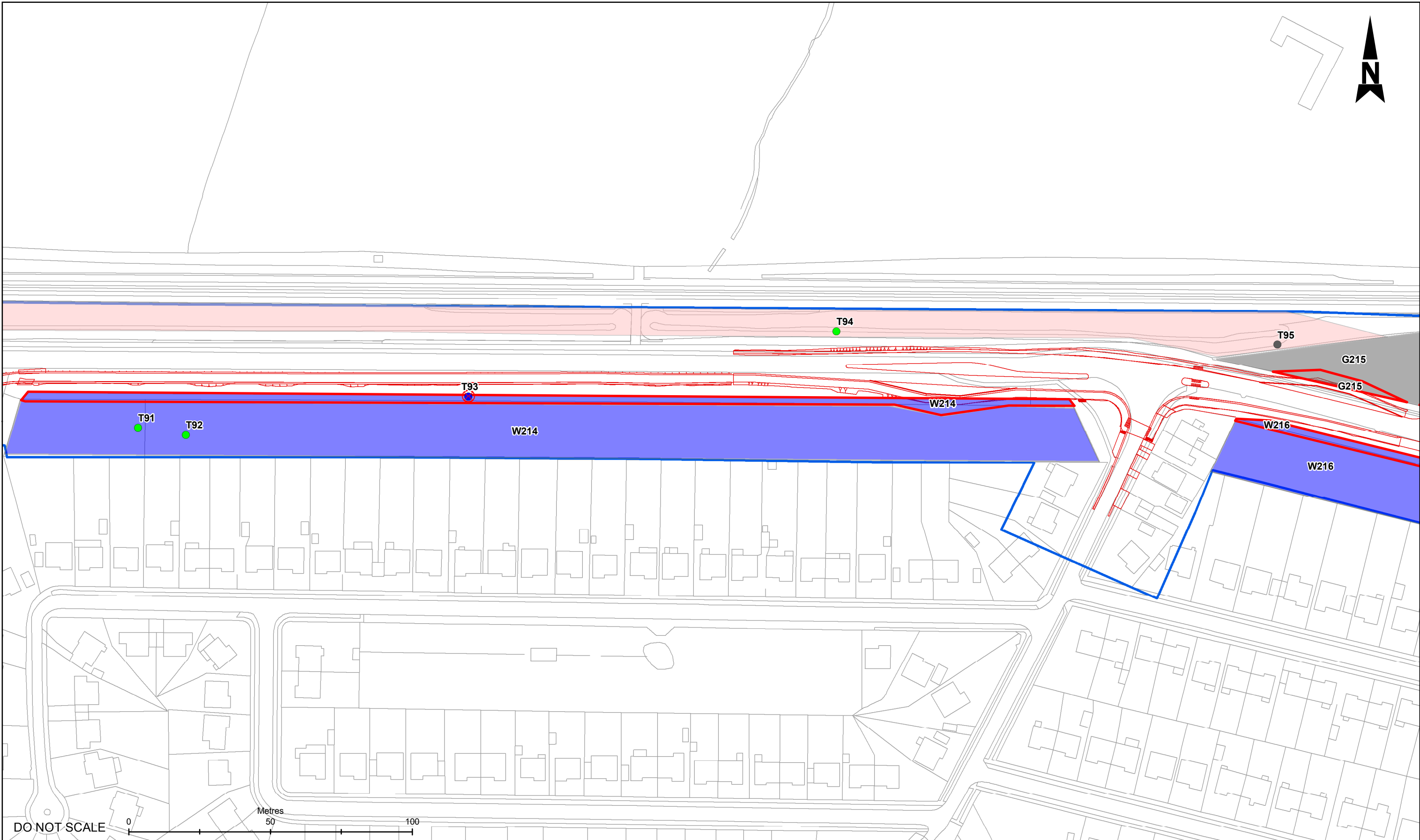
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|         |       |         |          |            |
|---------|-------|---------|----------|------------|
| Scale   | Drawn | Checked | Approved | Authorised |
| 1:1,250 | AD    | JM      | JM       | JM         |

|          |          |          |          |
|----------|----------|----------|----------|
| Date     | Date     | Date     | Date     |
| 11/02/19 | 11/02/19 | 11/02/19 | 11/02/19 |

|                |            |        |                  |
|----------------|------------|--------|------------------|
| Drawing Number | Originator | Volume | Project Ref. No. |
| HE552988       | WSP        |        | 70035418         |

|          |          |
|----------|----------|
| Revision | Revision |
| P01      |          |



**KEY:**

- Proposed Scheme
- Arboricultural Study Area
- Unsurveyed Area
- Tree to be removed
- Hedge to be removed
- Tree group to be removed

**Tree Category**

- A
- B
- C
- U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 34 OF 38

Scale: 1:1,250

Original Size: A3

Drawing Number: HE552988

Project: WSP

Location: |Type|Role|Number

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Scale

Drawn AD

Checked JM

Approved JM

Authorised JM

Date 11/02/19

Date 11/02/19

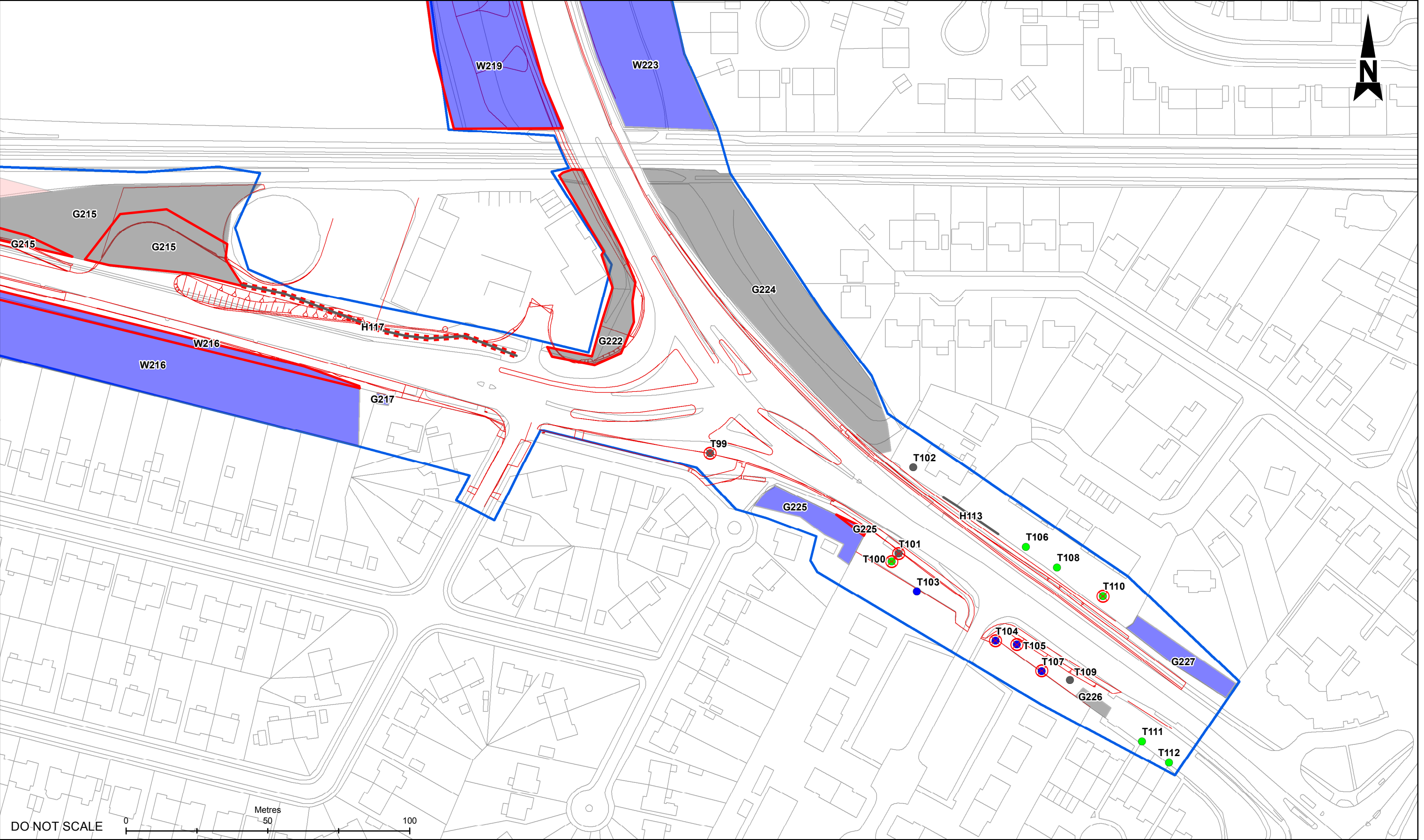
Date 11/02/19

Date 11/02/19

Project Ref. No. 70035418

Revision P01





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

Use

Decommissioning / Demolition

Drawing Status: FINAL

Suitability: S0

Project Title: A27 EAST OF LEWES

Drawing Title: ARBORICULTURAL REMOVALS AND RETENTION PLAN PAGE 35 OF 38

Scale: 1:1,250

Drawn: AD

Checked: JM

Approved: JM

Authorised: JM

Original Size: A3

Date: 11/02/19

Date: 11/02/19

Date: 11/02/19

Date: 11/02/19

Drawing Number: HE552988

Project: WSP

Originator: WSP

Volume: WSP

Project Ref. No: 70035418

Revision: P01

Location: |Type|Role|Number

WSP

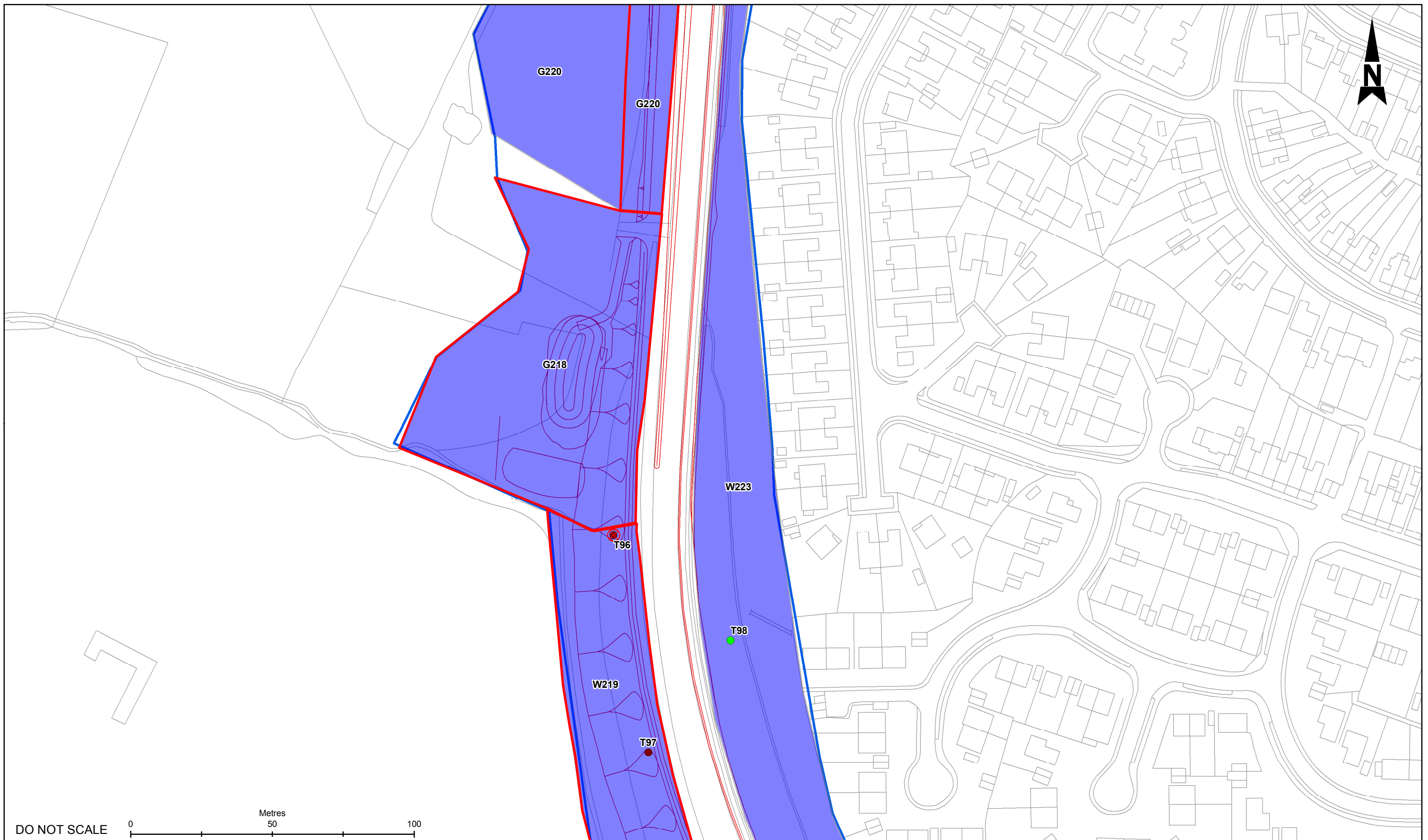
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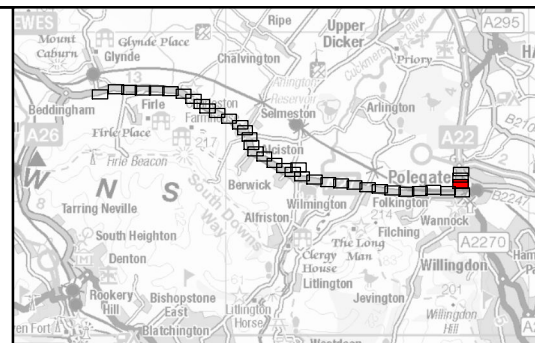
highways  
england





KEY:

- |  |                           | Tree Category   |
|--|---------------------------|---|
|  | Proposed Scheme           |   |
|  | Arboricultural Study Area |  A |
|  | Unsurveyed Area           |  B |
|  | Tree to be removed        |  C |
|  | Hedge to be removed       |  U |
|  | Tree group to be removed  |   |



SAFETY, HEALTH AND ENVIRONMENTAL  
INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

Maintenance / Cleaning

|     |  |
|-----|--|
| Use |  |
|-----|--|

Decommissioning / Demolition

|       |             |  |  |  |
|-------|-------------|--|--|--|
| P01.1 | First Issue |  |  |  |
|-------|-------------|--|--|--|

|  |                |
|--|----------------|
|  | Drawing Status |
|--|----------------|

FINAL

|             |    |
|-------------|----|
| Suitability | S0 |
|-------------|----|

|               |                      |
|---------------|----------------------|
| Project Title | A27<br>EAST OF LEWES |
|---------------|----------------------|

Drawing Title

ARBORICULTURAL REMOVALS  
AND RETENTION PLAN

PAGE 36 OF 38

|       |       |         |          |            |
|-------|-------|---------|----------|------------|
| Scale | Drawn | Checked | Approved | Authorised |
|-------|-------|---------|----------|------------|

|         |    |    |    |    |
|---------|----|----|----|----|
| 1:1,250 | AD | JM | JM | JM |
|---------|----|----|----|----|

|                            |                  |                  |                  |                  |
|----------------------------|------------------|------------------|------------------|------------------|
| Original Size<br><b>A3</b> | Date<br>11/02/19 | Date<br>11/02/19 | Date<br>11/02/19 | Date<br>11/02/19 |
|----------------------------|------------------|------------------|------------------|------------------|

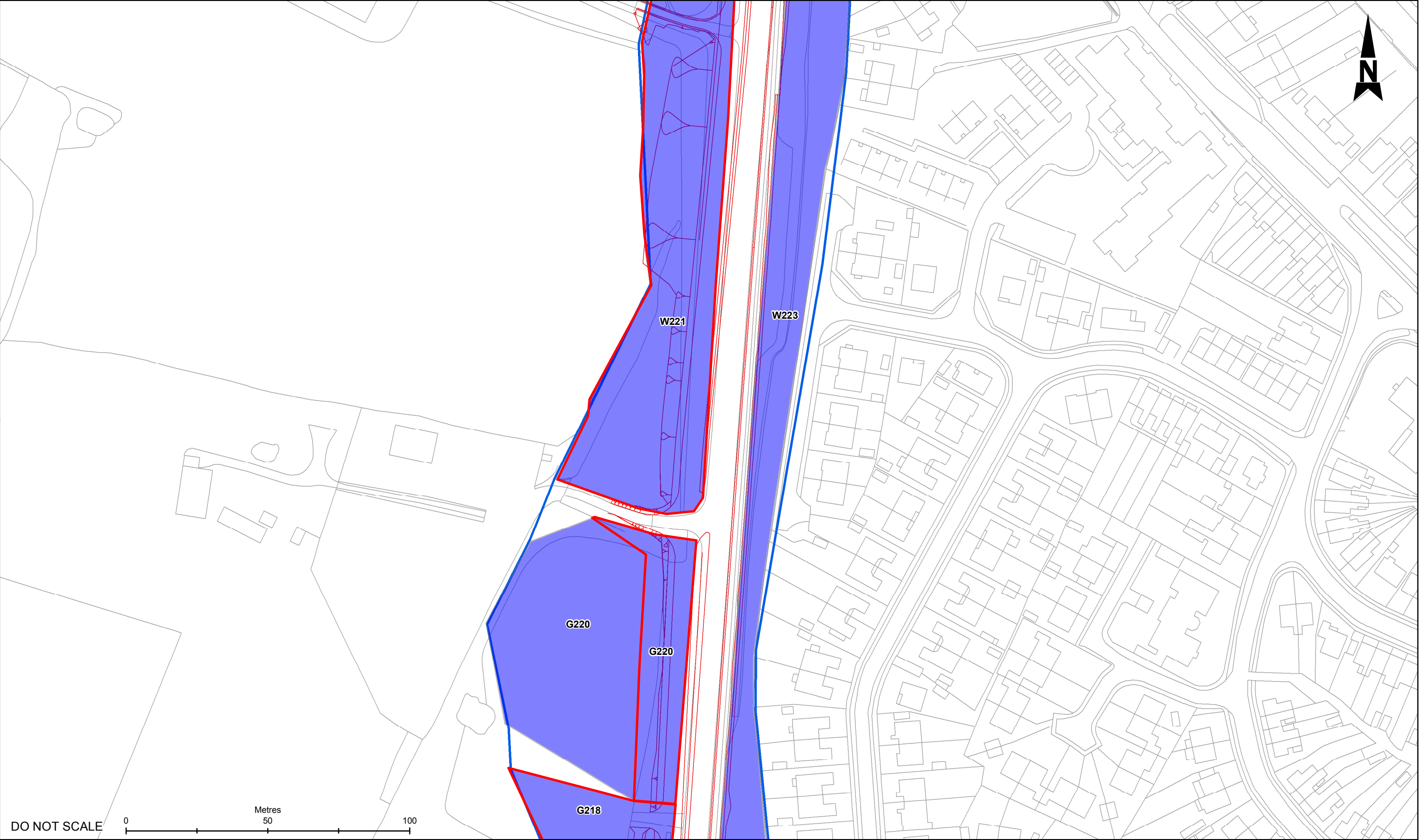
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|----------------|--|------------------|--|
| Drawing Number |  | Project Ref. No. |  |
|----------------|--|------------------|--|

|         |            |        |          |
|---------|------------|--------|----------|
| Project | Originator | Volume | 70035418 |
|---------|------------|--------|----------|

|              |                 |
|--------------|-----------------|
| HE552988 WSP | Revision<br>B01 |
|--------------|-----------------|

| Location | Type | Role | Number |
|----------|------|------|--------|
|----------|------|------|--------|

Path: \\uk.wspgroup.com\central data\Projects\700354xx\70035418 - A27EastOfLewes\02 WIP\GIS\Mxd\Arb Figures\Eol\_Arb\_02\_Tree\_Protection\_Plan.mxd: Plotted by: Ashley.Durston Date: Feb 11, 2019 - 02:16PM



**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status

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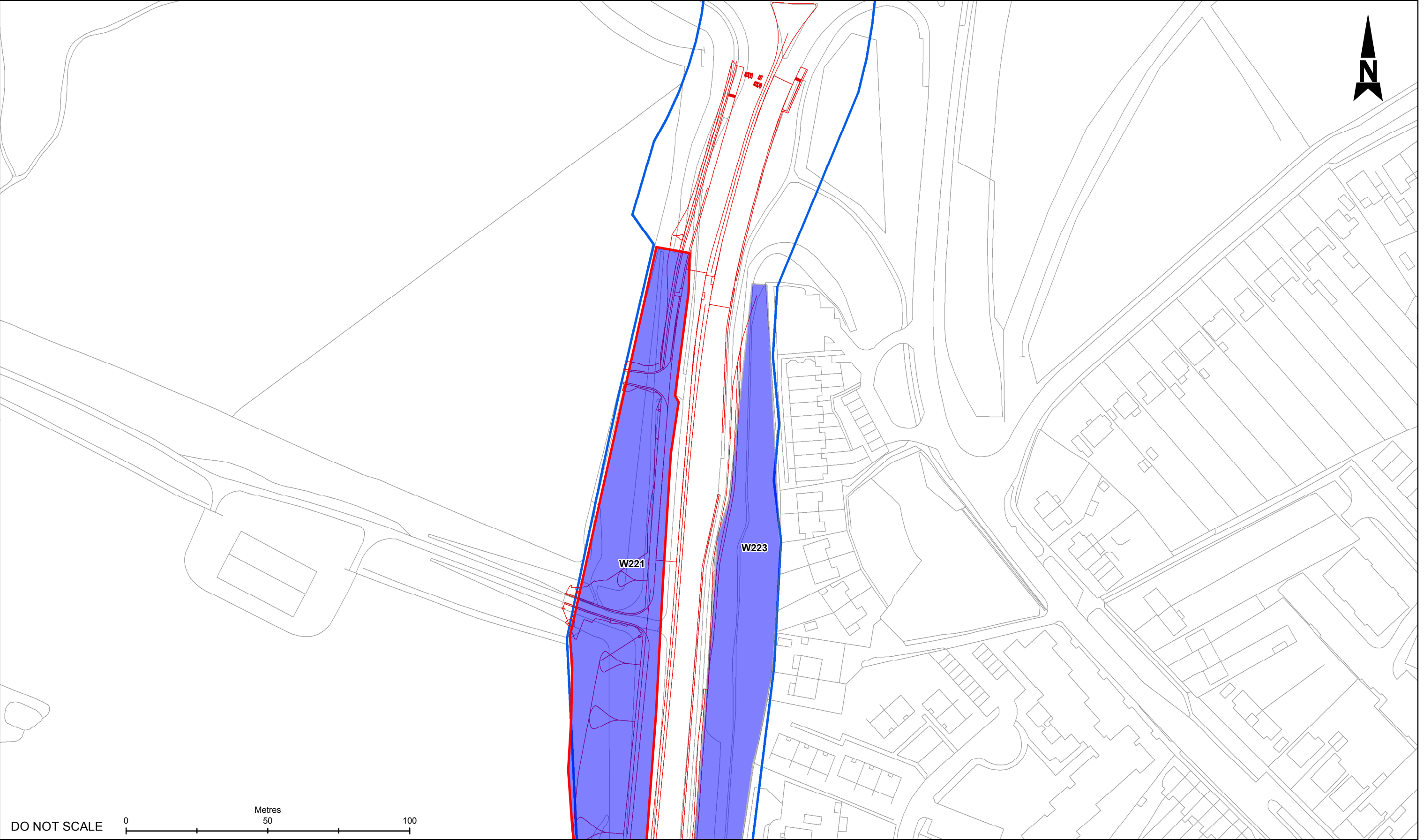
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england

Drawing Title

ARBORICULTURAL REMOVALS  
AND RETENTION PLAN  
PAGE 37 OF 38

|                |          |         |          |            |          |          |          |                  |          |
|----------------|----------|---------|----------|------------|----------|----------|----------|------------------|----------|
| Scale          | 1:1,250  | Drawn   | AD       | Checked    | JM       | Approved | JM       | Authorised       | JM       |
| Original Size  | A3       | Date    | 11/02/19 | Date       | 11/02/19 | Date     | 11/02/19 | Date             | 11/02/19 |
| Drawing Number | HE552988 | Project | WSP      | Originator |          | Volume   |          | Project Ref. No. | 70035418 |
| Location       |          | Type    |          | Role       |          | Number   |          | Revision         | P01      |





**KEY:**

Proposed Scheme

Arboricultural Study Area

Unsurveyed Area

Tree to be removed

Hedge to be removed

Tree group to be removed

**Tree Category**

A

B

C

U

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATON**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

|                              |  |
|------------------------------|--|
| Construction                 |  |
| Maintenance / Cleaning       |  |
| Use                          |  |
| Decommissioning / Demolition |  |

|       |      |             |     |       |       |
|-------|------|-------------|-----|-------|-------|
| Rev.  | Date | Description | By  | Chk'd | App'd |
| P01.1 | ---  | First Issue | --- | ---   | ---   |

Drawing Status: **FINAL**

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Project Title: **A27 EAST OF LEWES**

Drawing Title: **ARBORICULTURAL REMOVALS AND RETENTION PLAN**  
**PAGE 38 OF 38**

|                   |                |                |                |                |
|-------------------|----------------|----------------|----------------|----------------|
| Scale: 1:1,250    | Drawn: AD      | Checked: JM    | Approved: JM   | Authorised: JM |
| Original Size: A3 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 | Date: 11/02/19 |

|                          |              |                 |             |                           |
|--------------------------|--------------|-----------------|-------------|---------------------------|
| Drawing Number: HE552988 | Project: WSP | Originator: WSP | Volume: WSP | Project Ref. No: 70035418 |
| Location:                | Type:        | Role:           | Number:     | Revision: P01             |