M54 to M6 Link Road

TR010054

Volume 6

6.3 Environmental Statement Appendices

Appendix 7.1 Arboricultural Impact Assessment Report

Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

October 2020

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

M54 to M6 Link Road

Development Consent Order 202[ ]

6.3 Environmental Statement Appendices

Appendix 7.1: Arboricultural Impact Assessment Report

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1. Introduction

1.1. Background

1.1.1. Highways England are developing a link road between the M54 and M6 to provide a link between Junction 1 of the M54, M6 North and the A460 to Cannock. The M54 to M6 Link Road (herein referred to as 'the Scheme') aims to reduce congestion on local / regional routes, particularly the A449 and A460 and deliver improved transport links to encourage the development of the surrounding area.

~~1.1.1.~~1.1.2. Recently a number of design changes have been proposed resulting in amendments to some areas of the Scheme.

~~1.1.2.~~1.1.3. This revised Arboricultural Impact Assessment (AIA) Report identifies the likely direct and indirect impacts of the updated Scheme along with suitable mitigation measures, as appropriate. The Tree Protection Plan (included within Annex D) identifies trees to be removed and how retained trees are to be successfully protected.

1.2. Trees and the planning process

1.2.1. The National Policy Statement for National Networks (NPSNN) (Department for Transport, 2014) (Ref 1) which applies to Nationally Significant Infrastructure Projects (NSIP) states the following with regard to ancient woodland and veteran trees:

"Ancient woodland is a valuable biodiversity resource both for its diversity of species and for its longevity as woodland. Once lost it cannot be recreated. The Secretary of State should not grant development consent for any development that would result in the loss or deterioration of irreplaceable habitats including ancient woodland and the loss of aged or veteran trees found outside ancient woodland, unless the national need for and benefits of the development, in that location, clearly outweigh the loss. Aged or veteran trees found outside ancient woodland are also particularly valuable for biodiversity and their loss should be avoided. Where such trees would be affected by development proposals, the applicant should set out proposals for their conservation or, where their loss is unavoidable, the reasons for this".

1.2.2. The National Planning Policy Framework (NPPF) (Ref 2) seeks to ensure that new development is sustainable and underlines the importance of Green Infrastructure, of which trees form an integral part. This encompasses recognition of the importance of trees in relation to the management of air, soil and water quality along with other associated ecosystem services and climate change adaption. The NPPF also seeks to achieve the protection and enhancement of landscapes and a net gain in biodiversity. Finally, it specifically identifies veteran and ancient trees and woodland as a highly valuable and irreplaceable habitat.

1.2.3. Local planning authorities (LPA) in the UK have a statutory duty to consider both the protection and planting of trees when considering planning applications. The potential impact of development on all trees (including those not protected by a Tree

Preservation Order or other statutory designation) is therefore a material consideration.

1.2.4. '*BS5837:2012 Trees in relation to design demolition and construction – Recommendations (BS5837)*' (Ref 3) provides a framework which sets out how trees should be considered in this context and also explicitly applies to development where planning consent is not required.

1.2.5. BS5837 recommends that a tree survey is undertaken to identify the quality and benefits of trees and the spatial constraints associated with them. This is then used to produce a Tree Constraints Plan showing the above and below ground constraints associated with trees. This drawing is used to inform the design process and to allow the retention of good quality trees where appropriate.

1.2.6. An AIA is then developed to identify the likely direct and indirect impacts of the Proposed Development, and a Tree Protection Plan is prepared to identify trees to be removed or retained and to illustrate how retained trees are to be protected. An Arboricultural Method Statement is often required as a condition of planning consent to detail how sensitive operations are to be achieved in close proximity to retained trees. These elements are the minimum normally required for a planning application and are intended to ensure both a sustainable and harmonious relationship between trees and a new development.

Local policy context

1.2.7. The relevant South Staffordshire Council policies form part of the Core Strategy Development Plan Document (SCC, 2012) (Ref 4). Core Policy 2: Protecting and Enhancing the Natural and Historic Environment includes the following policies relating to trees:

- Policy EQ1: Protecting, Enhancing and Expanding Natural Assets

a) *"7.10 The Policy seeks to protect and enhance the natural environment including the protection of trees, woodlands and hedgerows and is consistent with the NPPF.*
b) *7.11 Development should be supported on sites where it can be demonstrated that satisfactory mitigation measures for species and habitats can be created. The natural environment such as trees should also be integrated into the built environment for health and wellbeing, amenity and biodiversity benefits and climate change mitigation.*
c) *7.12 The Policy covers all aspects of biological and geological interest and provides direct support for the Staffordshire Biodiversity Action Plan. Within South Staffordshire, areas of native woodland and lowland heathland and hedgerows are identified as priority habitats and the Council will work with its partners in the restoration and creation of these habitats"*

- EQ4: Protecting and Enhancing the Character and Appearance of the Landscape.

d) *"…Trees, veteran trees, woodland, ancient woodland and hedgerows should be protected from damage and retained unless it can be demonstrated that removal is necessary and appropriate mitigation can be achieved…."*

1.3. Methodology

1.3.1. The tree survey has been based on provided topographical surveys where they were available across much of ~~ich collectively cover~~ the Scheme. Where topographical information has not been made available, in some inaccessible areas within and close to the Scheme boundary, National Tree Map data (NTM) records have been utilised to give guidance on the likely tree constraints.

1.3.2. The survey of trees on site was ~~otherwise~~ conducted in accordance with the requirements of BS5837:2012 Trees in relation to design, demolition and construction – Recommendations (BS5837) (Ref 3).

1.3.3. Arboricultural features (trees, tree groups, woodland and hedgerows) have been evaluated in accordance with the criteria within 'Table 1 Cascade chart for tree quality assessment' of BS5837. In doing so, the arboricultural feature is initially classified by its quality and value (in a non-fiscal sense) as U, A, B or C followed by one or more of the sub-categories 1, 2, and/or 3 (arboricultural, landscape, and conservation or cultural value respectively). It should be noted that each subcategory has equal weight.

Table 1: BS 5837:2012 Tree Categorisation process

Category	Definition
U	Those 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
A	Trees of high quality with an estimated remaining life expectancy of at least 40 years
B	Trees of moderate quality with an estimated remaining life expectancy of at least 20 years
C	Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm
1	Arboricultural value
2	Landscape value
3	Conservation or cultural value

1.3.4. Where further inspection is deemed appropriate to ascertain the condition of the tree or other arboreal features, this has been identified within the preliminary management recommendations.

1.3.5. Where trees are off-site or otherwise inaccessible and tree and accurate data cannot be measured estimated dimensions may be recorded, these are identified with a '#' suffixed.

1.3.6. Average dimensions or dimensional ranges have occasionally been used, where appropriate, to best describe features.

~~1.3.6.~~1.3.7. The allocation of tree features to a particular prefix, such as group, woodland or hedge is based on a judgement made at the time of the survey. Although hedges and woodlands are assessed in the Chapter 8: Biodiversity [TR010054/APP/6.1] they may be considered differently within this report which is focused on an arboricultural perspective only. In addition, not all hedges are considered separately and may form part of woodland or group features where considered as significant

tree features and may not be included in the survey data where they are not considered to be sufficiently arboriculturally significant.

~~1.3.7.~~1.3.8. A Tree Constraints Plan (TCP) illustrating the position of arboricultural features and their above and below ground spatial constraints is included as Annex A of this report, which corresponds with the Tree Survey Schedule presented in Annex B.

~~1.3.8.~~1.3.9. The arboricultural features illustrated by the TCP are presented in line with '*Table 2: Identification of tree categories'* of BS 5837, reproduced below.

Table 2: BS 5837 colour coding of tree categories

Category	Colour	RGB Code
U	Dark red	127-000-000
A	Light green	000-255-000
B	Mid blue	000-000-255
C	Grey	091-091-091

~~1.3.9.~~1.3.10. The Root Protection Area (RPA) of the tree is described in Section 3.7 of BS 5837 as the '*minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority'*.

~~1.3.10.~~1.3.11. This is illustrated as circle centred on the base of the tree, calculated as per Section 4.6 of BS 5837. Where there are pre-existing site conditions or other factors which indicate that root distribution of the tree is likely to have occurred asymmetrically, a polygon of equivalent area is shown with the shape of the RPA reflecting a soundly based arboricultural assessment of likely root distribution. Section 4.6.3 of BS 5837 states that:

"any deviation in the RPA from the original circular plot should take account of the following factors whilst still providing adequate protection for the root system:

a) *the morphology and disposition of the roots, when influenced by past or existing site conditions (e.g. the presence of roads, structures and underground apparatus);*

b) *topography and drainage;*

c) *the soil type and structure;*

d) *the likely tolerance of the tree to root disturbance or damage, based on factors such as species, age, condition and past management."*

1.3.12. Where the RPA of trees have been adjusted these will be clearly illustrated on the TCP as being non-circular.

1.3.13. A high-level assessment of the tree stock was undertaken for those areas which were inaccessible and have not been subject to a detailed walkover tree survey assessment. This includes sections along the M54 and around Junction 11 of the M6. The high-level assessment is based on a desk study applying Ordnance Survey base mapping and the NTM data set which utilises LiDAR and aerial imagery to

provide information on the extent and heights of trees. This information is also presented on the TCP.

1.3.14. The extent of tree canopies have not been verified on site due to access constraints but are intended to ensure that tree cover is factored into the assessment process as fully as possible. Where non-surveyed indicative tree features are likely to be impacted or removed by the Scheme the area of canopy cover affected will be estimated in square metres.

~~1.3.11.~~1.3.15. The quality and value of un-surveyed trees, the actual spatial constraints associated with them and the final extent of tree loss or impact for these areas must be determined via on Site assessment.

1.4. Survey work

1.4.1. The fieldwork was undertaken during July, August and November 2019 during which dimensional data and observational information were collected. A diameter tape measure was used to measure stem diameters where feasible.

1.4.2. The fieldwork informing this report has comprised a preliminary, non-intrusive, visual survey undertaken from ground level with the specific intention of evaluating the quality and benefits of trees within and directly adjacent to the Scheme boundary.

1.4.3. The fieldwork was limited to areas where it was safe to survey and access was granted.

2. General Arboricultural Principles

2.1. General principles

2.1.1. Trees are dynamic living organisms which provide essential benefits to society and the wider environment. Any proposed development with the potential to impact on trees must take into consideration the value of trees on site and the impact of any proposed activity along with any potential future conflicts on the site. Suitable measures to safeguard retained trees or mitigate the loss of trees (to be removed) will need to be fully considered and may be subject to a condition of planning consent.

2.1.2. Tree branches and roots frequently grow across site boundaries and off-site trees can pose a significant constraint and should be carefully considered when assessing the developable space within a site.

2.2. Below ground constraints

2.2.1. Below ground tree roots and the soil environment in which they grow need to be protected if the tree is to be retained. Trees grow in association with fungi and other soil organisms which are of key importance to tree health. Roots are essential for anchorage, the uptake of water and nutrients, and the storage of energy (carbohydrates) for the future growth and function of the tree.

2.2.2. Roots can be damaged by physical severance or wounding (e.g. following excavation of the soil) which can lead to the development of decay and a decline in vitality and/or instability. Raising the soil level can bury tree roots at a depth where suitable conditions for growth are less available. Toxic materials discharged into the soil (such as cement-based aggregates, fuel and chemicals) can lead to root death and dysfunction. Soils can be compacted to levels inhospitable to tree growth with even a single pass of machinery, regular pedestrian traffic or the storage of plant and materials. Relieving compaction can be problematic and may require costly remedial works. Changes in drainage/water levels can also have significant long-term impacts for tree health.

2.2.3. The effects of these incursions may take many years to manifest, with a resulting decline in amenity value and potentially the death or failure of the tree. It should be noted that older trees are particularly sensitive to damage and changes in conditions.

2.2.4. The RPA is a notional area considered to be the minimum zone that must be protected to avoid any adverse impacts on retained trees. This area is deemed to be particularly important for tree stability, growth, function and health. However, roots may extend far greater distances, with the distribution of the root system relating directly to the availability of suitable conditions for growth (namely oxygen, water and nutrients). It is generally accepted that tree roots are predominantly

located in the upper 1000 mm of soil; however, roots may develop at deeper levels where conditions allow.

2.2.5. RPAs are calculated as per BS5837: 2012 Annexe C, D and Section 4.6 in the BS 5837 2012 Document (Ref 3).

2.2.6. The RPA of the existing tree stock is an important material consideration when considering site constraints and planning development activities. The RPA of significant trees within and adjacent to the Scheme boundary are shown on the Tree Constraints Plans included as Annex A. This drawing is used to inform the design process and to allow the retention of good quality trees where appropriate.

2.2.7. The default position must be that all development, including any associated services would occur outside the RPAs of retained trees. Where this is unavoidable, it may be appropriate to use special measures to install structures, services or surfacing within RPAs which allow the protection of roots and soil structure which are essential for tree growth and keep any incursion to a minimum.

2.2.8. Further steps to improve or increase the useable rooting area available to the tree may also be required.

2.3. Soils

2.3.1. On shrinkable clay soil, tree growth can lead to the differential movement of structures as moisture is removed from the soil during the growing season. Soils must be carefully assessed, and any foundations must be installed following the recommendations of National House Building Council (NHBC) Standards *Chapter 4.2: Building Near Trees* (2018) (Ref 5) to avoid potential future damage. Where trees which predate existing structures are to be removed, this can result in heave as the soils are re-wet.

2.3.2. The advice of a suitably qualified engineer must be obtained to inform any potential issue of heave. Specific advice in relation to this issue is beyond the scope of this report.

2.4. Above ground constraints

2.4.1. Tree stems and branches can restrict available space on site. Damage or wounding (including excessive pruning) can significantly reduce the amenity contribution of the tree and may lead to the development of dysfunction and decay, with significant long-term implications for tree health. The future impact of existing trees should be carefully considered, including individual species characteristics (such as potential future size, fruit fall, shade etc.) and how the tree would interact with any proposed development and future land use. Annual tree growth can lead to direct damage if stems/branches (or roots) come into physical contact with structures and this must also be taken into consideration.

2.5. Trees and risks in the context of development

2.5.1. Tree owners/ managers have a legal duty to prevent foreseeable harm. It is generally accepted that this duty can be fulfilled by undertaking proactive inspections of significant trees to identify obvious defects and by taking appropriate remedial

action or gaining further advice as appropriate. Further guidance is available from the National Tree Safety Group (Ref 6).

2.5.2. The tree survey carried out as the basis of this report is primarily for planning purposes, focusing on the quality and benefits of the trees and is not specifically designed to assess the safety of trees. However, when obvious issues have been identified recommendations have been included in the Tree Survey Schedule.

2.5.3. The Construction (Design and Management) Regulations (2015) (Ref 7) states that developers and contractors have responsibilities for health and safety as a result of their actions. Should trees be left in an unstable or hazardous condition the Health and Safety Executive (HSE) could seek to prosecute those responsible along with the potential for further Civil claims for damages.

2.6. Trees and wildlife

2.6.1. Full consideration must be given to the presence of species protected under the Wildlife and Countryside Act (1981 - as amended) (Ref 8), the Countryside Rights of Way Act (2000) (Ref 9) and the Conservation of Habitats and Species Regulations (2017 as amended) (Ref 10). In particular the presence of bats and nesting birds. It is recommended that wherever possible, significant tree and/ or hedge works take place outside of the typical bird nesting season of March to September.

2.7. Tree works

2.7.1. Any tree surgery recommendations contained within this report are to be undertaken in accordance with BS3998: 2010 Tree work – Recommendations (BS3998) (Ref 11) by suitably qualified and insured contractors. Significant pruning works are best undertaken when trees are dormant or outside periods of high functional activity to reduce the overall impact on energy available to the tree for growth and processes. In general, the optimum period for works is between November to February and July to August (subject to the presence of protected species) when the tree is less active and better placed to respond to wounding and a reduction in leaf area.

3. Field work observations

3.1. The Scheme

3.1.1. The Scheme boundary is shown on the Tree Constraints Plans (drawing number HE514465-ACM-ELS-M54_SW_PR_Z-DR-AB-00001 to 004722) included within Annex A of this report.

3.1.2. The Scheme is located within the county of Staffordshire between the national and regional routes, the M54, M6 and A460. The Scheme is located within the administrative boundary of local authorities Staffordshire County Council (SCC), South Staffordshire Council (SSC) and the City of Wolverhampton Council (CWC). The Scheme would be located in a predominantly rural area consisting mainly of mixed agricultural land and scattered woodland. South of Hilton Lane is an area of historic parkland associated with Hilton Hall.

3.2. The trees

3.2.1. The survey identified 5267 features (as detailed further in Table 3 of this report) consisting of 362 individual trees, 1456 groups, 12 woodland groups and seven hedgerows. The majority of the individual trees are early-mature to mature in age although over-mature and veteran trees were also included.

3.2.2. The trees have been categorised as follows; 12 individual trees and one woodland were identified as Category A and 209 individual trees, 512 groups and ten woodland groups have been categorised as Category B. Seven groups and 51 individual trees have been categorised as Category U, whilst 90 individual trees, 87 groups, a woodland group and seven hedges have been categorised as Category C.

3.2.3. The tree population is a mix of woodland groups, shelterbelts, hedgerows with individual trees, parkland trees and occasional ornamental planting.

3.2.4. The majority of the tree population consists of native deciduous species including; common alder (*Alnus glutinosa*), crab apple (*Malus sylvestris*), ash (*Fraxinus excelsior),* aspen (*Populus tremula*), beech (*Fagus sylvatica*), downy birch (*Betula pubescens*), silver birch (*Betula pendula*), blackthorn (*Prunus spinosa*), damson (*Prunus domestica*), elder (*Sambucus nigra*), English elm (*Ulmus procera*), field maple (*Acer campestre*), hawthorn (*Crataegus monogyna*), hazel (*Corylus avellana*), horse chestnut (*Aesculus hippocastanum*), lime (*Tilia sp*.), common line (*Tilia x europaea*), small-leaved lime (*Tilia cordata*), common oak (*Quercus robur*), sessile oak (*Quercus petraearocera*), while poplar (*PopulusSalix alba*), rowan (*Sorbus aucuparia*), sweet chestnut (*Castanea sativa*), sycamore (*Acer pseudoplatanus*), whitebeam (*Sorbus aria*), willow (*Salix sp*.), crack willow (*Salix fragilis*), goat willow (*Salix caprea*) and white willow (*Salix alba*).

3.2.5. Evergreen species including holly (*Ilex aquifolium*), Scots pine (*Pinus sylvestris*) and yew (*Taxus baccata*) are also present with a high percentage of yew in some of the woodland areas.

3.2.6. Other less frequent and none native species identified within the tree population include blue Atlas cedar (*Cedrus atlantica* f. *glauca*), western red cedar (Th*uja plicata*), Lawson cypress (*Chamaecyparis lawsoniana*), Leylandii (*x*

Cupressocyparis leylandii), Indian horse chestnut (*Aesculus indica~~hippocastanum~~*), Norway maple (*Acer platanoides*), cherry plum (*Prunus cerasifera*) and red oak (*Quercus rubra*).

3.2.7. Within the tree population seven groups and 51 individual trees have been categorised as Category U the majority of which have been identified for removal due to their condition and the danger they pose to highways, access tracks and property. It is recommended that the work to these trees is actioned as soon as possible and within the timescales identified with the Tree Survey Schedule (Annex B) which provides further details of the trees surveyed and the recommended works which should be carried out regardless of any development proposals.

3.3. Statutory and non-statutory designations

3.3.1. Full planning consent is an exemption from the need to apply for consent for works to trees protected by a Tree Preservation Order (TPO), the need to give notice of the intention to undertake works within a Conservation Area and the need to apply for a Felling Licence with the Forestry Commission (to fell more than 5 m^3 per calendar quarter).

3.3.2. Prior to any tree works, outside of that identified as part of full planning consent, the status of trees to be removed or pruned must be verified with the LPA and the Forestry Commission as appropriate.

Statutory designations

3.3.3. ~~As t~~The Scheme covers a large area and three planning authorities. The SSC website (Ref 12), CWC website, Designated Heritage Assets (Ref 13) and Tree Preservation Orders (Ref 14) were checked on 24/06/2019 to establish if there were any known TPO or Conservation Area designations within or adjacent to the Scheme boundary. No TPOs or Conservation Area designations were identified by SSC or CWC which could affect trees within or immediately adjacent to the Scheme boundary. SCC were also contacted on 24/06/2019 to establish if there were any known TPO or Conservation Area designations within or adjacent to the Scheme. The response received on 19/08/2019 stated that four TPO documents cover trees within the Scheme boundary referenced as; 3/1957, 56/1981, 101/1992 and 283/2018. Copies of the TPOs were obtained and the information, including woodland orders, individual trees and groups, is collated onto the Tree Constraints P~~p~~lans presented in Annex A~~C~~.

3.3.4. The Hedgerow Regulations (1997) (Ref 15) protect agricultural or countryside hedgerows which meet the requirements of an 'important hedgerow'. These include a minimum length of 20 m (or meets another hedge at each end) and a minimum age of at least 30 years. A wide range of other ecological and archaeological/ heritage features can constitute an important hedgerow and further advice from a qualified ecologist is recommended in advance of any planned works which could impact established hedgerows on or bordering agricultural or countryside land. Important hedgerows have been surveyed as reported in Chapter 8 Biodiversity [TR010054/APP/6.1] and shown in Figure 8.3 [TR010054/APP/6.2]. Prior to the

removal or destruction of a protected hedgerow an application must be made to the LPA. Full planning consent is an exemption to this requirement.

~~3.3.4.~~3.3.5. Following a review of Magic Map (Ref 16) the Scheme boundary does not include any SSSIs.

Non-statutory designations

~~3.3.5.~~3.3.6. Following a review of Magic Map (Ref 16) the Scheme boundary includes one area of Ancient Semi-Natural Woodland (ASNW) identified on the ancient woodland Inventory and within this survey as woodland group W516. Ecological surveys have identified one other confirmed area of ancient woodland with all other areas of woodland within the Scheme boundary confirmed as not ancient woodland. Ancient woodland is considered to be an irreplaceable habitat and relates to the undisturbed nature of the soil as well as the trees and other flora and fauna within the woodland. Whilst this is also a non-statutory designation, ancient woodland, together with aged or veteran trees, is afforded a high priority in the planning process and any loss or damage will not be permitted unless there are wholly exceptional circumstances and a suitable mitigation strategy is in place (Ref 2).

3.3.7. Standing advice from Natural England and the Forestry Commission sets out that a minimum buffer of 15 m is typically required between ancient woodland and any new development and also that the RPA of veteran trees is calculated as 15 x stem diameter at 1.5m (as opposed to 12 x stem diameter applied to non-veteran trees).

3.3.8. A check with the Woodland Trust's Ancient Tree Inventory (Ref 20) identified two veteran sweet chestnut (identified as 113070 and 113071) within the area of ancient woodland to the south of the Scheme (W516).

~~3.3.6.~~3.3.9. Other veteran trees have been identified during the tree survey although these are not included in the Ancient Tree Inventory. These include T137, T178 (outside Scheme boundary), T182 (outside Scheme boundary), T211, T214, T221 and T227.

~~3.3.7.~~3.3.10. The current quality of ancient woodland should not be considered in favour of development, as it can typically be improved over time.

3.3.11. In addition to the two areas of ASNW identified, the Scheme boundary also includes areas which are included on the Biodiversity Action Plan (BAP) Priority Habitat Inventory as Deciduous Woodland. Although also a non-statutory designation, this has the potential to be a material consideration in the planning process.

3.4. National Tree Map Data

~~3.3.8.~~3.4.1. For the areas which were inaccessible and have not been subject to a detailed walkover tree survey assessment a high-level assessment of the tree stock was undertaken. This includes sections along the M54 and around Junction 11 of the M6. Based on the NTM data set a total of 38 groups and one individual tree were identified. Many of the groups appear to consist of semi-mature to early-mature predominantly deciduous planting along the existing highway network.

4. The Scheme

4.1.1. The Scheme would provide a strategic link between the M54 Junction 1 and M6 Junction 11. From south to north the main components of the Scheme are:

- Replacement of the existing M54 Junction 1 with free flow slip roads between the new link road and the M54. This would allow the freeflow of traffic between the M54 and the new link road in both directions and maintain connectivity with the existing local road network, via three new roundabouts.
- Construction of a new dual carriageway between M54 Junction 1 and the M6 Junction 11. The alignment of the carriageway would be located to the east of the existing A460 and the villages of Featherstone, Hilton and Shareshill and west of Hilton Hall.
- Dark Lane would be stopped-up between the final property and the junction with Hilton Lane.
- The realignment of Hilton Lane on a bridge over the mainline of the Scheme. The bridge would be reconstructed on a similar alignment and would provide sufficient clearance for the new road.
- Provision of an accommodation bridge and access track across the mainline of the Scheme to retain access to severed land to the east of the Scheme. The route of the new link road would then continue north to the east of Brookfield Farm to link into the M6 Junction 11.
- Enlargement of the M6 Junction 11 signalised roundabout to accommodate a connection to the new link road and realign existing connections with the A460 and M6. Two replacement bridges would be required over the M6 to provide an increase in capacity from two lanes to four lanes of traffic on the roundabout. This work would raise the height of the junction by approximately 1.5 m.

4.1.2. For a more detailed scheme description refer to Chapter 2: The Scheme of the Environmental Statement [TR010054/APP/6.1].

5. Arboricultural Impact Assessment

5.1. The purpose

5.1.1. This impact assessment sets out the likely principal direct and indirect impacts of the Scheme on the trees on or immediately adjacent to the Scheme boundary and suitable mitigation measures to allow for the successful retention of significant trees or to compensate for trees to be removed, where appropriate.

5.1.2. A brief summary of the potential tree removals related to the Scheme are detailed within the table below and are shown on the Tree Protection Plans at Annex C.

Table 3: Summary of removals to facilitate the Scheme

Impact	Category A	Category B	Category C	Category U	NTM Data
Tree features to be removed to facilitate the Scheme	0	5067 trees, 1220 groups, 23 woodlands, 149 partial groups & 54 partial woodlands	2933 trees, 2535 groups, 1 hedge, 178 partial groups & 1 partial hedge	519 trees & 72 groups	4 groups & 5 partial groups
Total	**0**	**83103**	**7378**	**1158**	**9**

5.2. Trees to be removed

5.2.1. For the purpose of assessing the potential tree impacts, the Scheme has been broken down in to sections which are:

- Section one: from the M54 to the existing farm access across the entrance to Lower Pool;
- Section two: across the ponds within Hilton Park up to Hilton Lane;
- Section three: across Hilton Lane and agricultural land adjacent to Brookfield Farm up towards Brookfield Farm Site of Biological Importance (SBI) and the fishing lakes to the south of M6 junction 11;
- Section four: the area around the link into the existing M6 Junction 11 and the new junction layout.

5.2.2. The potential impact on the trees within each section is discussed below.

Section one

5.2.3. Section one begins at the M54 where the new link road connects toleaves the M54 and a new roundabout is proposed to link with Cannock Road to the south. Just beyond this connection it is proposed to create a double roundabout to the north-east of the existing junction. New junctions are proposed to replace the existing field access tracks and link to the A460 Cannock Road. Passing over the centre of the double roundabout the new link road would extend across arable farm land running northwards towards the fishing lakes south-west of Hilton Hall.

5.2.4. The realignment of the lanes on the M54 leading into the link road, the position of the new link road itself and the new double roundabout junction would require the removal of a number of fully surveyed tree features including sevennine individual

trees, threesix groups, threetwo partial groups and a partial woodland categorised as B. These consist of goat willow, white willow, alder, sycamore, oak, ash and silver birch. Consisting mostly of willow a number of these trees surround an existing pond (west of Tower House Farm) which would be lost. The most significant trees however, are considered to be those within W1 and, G4 and G36 which include a number of oaks. In order to reduce the overall impact of the removal of such trees some sections of W1 and G436 would be retained.

5.2.5. Groups 514, 515 and 517, three Category C groups, will be removed from along the edge of the existing M54 westbound carriageway together with part of G513 a Category B group along the eastbound carriageway.

5.2.6. Additionally along the main M54 and proposed slip and link roads some additional tree groups will also be impacted. This includes the part removal of NTM13, NTM18, NTM19, NTM22, NTM27 and NTM28 and the complete removal of NTM23-26. Table 4 below detailed the canopy cover lost as a result of these removals. All of these tree groups appear to be highway plantings which complement the positioning of the existing carriageways and their loss can be mitigated through the planting of new trees within the new layout. It is recommended that, where partial groups are to be removed, a detailed survey is carried out to confirm necessary tree removals.

Table 4: Canopy cover loss (in m2) to facilitate the Scheme (Section 1)

Feature Ref	Original Canopy Cover m²	Loss m²	Retained m²
NTM-13	23,999	1,772	22,227
NTM-18	10,595	1,312	9,283
NTM-19	17,880	49	17,831
NTM-22	32,002	1,582	30,420
NTM-23	1,267	1,267	0
NTM-24	1,854	1,854	0
NTM-25	9,507	9,507	0
NTM-26	6,932	6,932	0
NTM-27	3,195	432	2,763
NM-28	3,549	465	3,084
Totals	**110,780**	**25,172**	**85,608**

5.2.5.5.2.7. The Scheme incorporates the realignment of Watercourse 2 an existing channel at the southern end of the woodland group W512 which is locally referred to as ‘Lower Belt’. Realignment of the watercourse would impact on and require the removal of onetwo main Category B trees, T42 and T44 as well as the removal of other less sizeable trees within W512 immediately adjacent to the watercourse.

5.2.6.5.2.8. Within this area the realignment of the A460 Cannock Road to link into the new roundabouts would significantly impact the main woodland group, Lower Belt, (W512) which currently runs to the east of the A460. It would necessitate the removal of 202 individually surveyed Category B trees (16 Category B) as well as the

Category B G74 and other B and C Category trees included within W512. The majority of the removals consist of mature oak and lime with the occasional mature sycamore and beech.

~~5.2.7.~~5.2.9. The removal of a significant number of moderate quality Category B trees within this southern section of the Scheme would impact on the local tree population as a whole. The trees that currently provide screening towards the houses along the A460 and beyond will be reviewed for possible retention during the detail design stage.

~~5.2.8.~~5.2.10. Other groups and trees to be removed in this area are of low quality ('C' category) and can be easily mitigated for.

~~5.2.9.~~5.2.11. The Scheme continues north, north-east towards the fishing lakes to the south of Hilton Hall~~proposed eastern dumbbell roundabout~~. Within this section there is little potential for impact on the tree population. Only one tree, T54, which is a Category B fully mature sycamore, is to be removed to accommodate this section of the Scheme the works avoids all other trees. However, a construction compound and temporary topsoil and earthworks storage are~~is~~ proposed on land between the proposed road and A460 Cannock Road to the south of Dark Lane. In this area Category B group (G76) and a number of individual Category B trees (T64, T65, T67, T68, T70, T71, ~~&~~ T73 and T142) are located. Although these trees stand within the compound area, they would be retained and protected during the works within this area.

Section Two

~~5.2.10.~~5.2.12. Crossing through Lower Pool SBI, the Scheme would require the removal of a significant area of tree cover. These are mostly identified within woodland groups to the west and north of the pond known as Lower Pool and backing onto Dark Lane. The main Category B groups and woodland groups to be removed are W96, G184, W212 and G234 although significant sections of W138, W159, G232 and G265 are also to be removed. Within the woodlands and groups a number of valuable trees were individually surveyed which would also be removed. These Category B trees are T84, T88, T91, T95, T100, ~~T107,~~ T140, T2379 and T2397.

~~5.2.11.~~5.2.13. Although the Scheme necessitates a large swathe of woodland to be removed in this section the placement of the Scheme was considered at length in relation to ecological, arboricultural and cultural heritage constraints. The Scheme placement was chosen to avoid the more valuable tree features to the east of the track running through this area. As such nine Category A trees including seven potential veteran trees (T137, T178, T182, T211, T214, T221 & T227) would be retained. In addition, the retention of some prominent trees including T226, a particularly large over-mature ash, and T198 a fully mature cedar together with W216, G185 and part of G232 and many Category B individuals is also assured.

Section Three

~~5.2.12.~~5.2.14. Working northwards the Scheme continues across agricultural fields towards the buildings of Brookfield Farm. No trees would be impacted upon until the Scheme reaches a treed area around a pond adjacent to the outdoor equestrian

arena. Here the Scheme would require the removal of a mix of tree features of moderate through to very low value. The moderate value (Category B) trees which would be removed include teneight individual trees and three groups. Consisting mostly of willow and alder with the occasional semi-mature oak the overall value of these trees is much less than other areas within the Scheme boundary.

5.2.13.5.2.15. The majority of the tree removals here are Category C and Category U individuals and groups. Again, the removal of 'C' category vegetation would have a limited impact on the tree population overall and can be easily mitigated. Trees to the east of the Scheme would be retained reducing the overall impact of the removals on the local amenity.

Section Four

5.2.14.5.2.16. The Scheme continues north-east towards the M6 Junction 11. Before reaching the existing junction, the Scheme would cross a significant woodland, W342 to the east of a fishing lake. W342 is identified as Brookfield Farm SBI and part of this woodland is also classified as ASNW. It is a mature woodland predominantly consisting of common alder, due to its riparianboggy nature, but also including a mix of native deciduous species particularly along the northern boundary. No particular trees of individual value were noted within the section of woodland proposed to be removed. The Scheme placement requires the removal of the western extent of the woodland whilst avoiding the lake and allowing for the retention of the remainder of the woodland, as well as other notable groups including the majority of G370 and G346.

5.2.15.5.2.17. The construction of the Scheme in this area would require the removal of three individual trees, twoone groups and one part group and part of a woodland all of which are Category B. In addition, three part a Category C groups and a Category U individual tree and group would also be removed.

Section Five

5.2.18. The final area of consideration is around the upgrade to the roundabout and the integration of the new link road atrealignment of Junction 11 of the M6. The changes to the road layout into and around the junction would necessitate the removal of a number of significant tree groups. However, it should be noted that many of these were planted to complement the existing junction layout. Such groups include G348, G375, G379, G398, G419, G447 and G448. Although tThe removal of trees from within these groups is not idealcan be mitigated with similar mitigation planting can be established following completion of the construction of the Scheme. Additionally the realignment of the A460 to the north of the junction will result in some removal to two non-surveyed groups of vegetation NTM 35 and NTM 36. The table below indicates the level of impact on these NTM groups.

Table 5: Canopy cover loss (in m2) to facilitate the Scheme (Section 5)

Feature Ref	Original Canopy Cover m²	Loss m²	Retained m²
NTM-35	1,026	140	886
NTM-36	3,432	447	2,985
Totals	**4,458**	**587**	**3,871**

5.2.16.5.2.19. **The** ~~R~~realignment of Mill Lane, to the west of the main junction, would require the removal of a hedge, a group, a partial group and three individual trees, all of which are Category C. The removal of such tree features will have a limited impact on the tree population overall and~~a number of significant trees including nine individual Category B trees and two Category B groups as well as a number of Category C groups and individuals. The majority of the Category B trees that would be removed are early-mature to mature oak. Two early mature birch would also be removed. It should be noted that~~ a significant number of mature oak and other Category B trees directly to the west of Mill Lane would be retained ensuring the presence of valuable tree cover within this immediate area.

5.3. Tree works

5.3.1. Exact tree removals and other works to retained trees required as part of the Scheme will be finalised during detailed design. However, assumed tree removals are indicated in the Tree Survey Schedule together with works to trees identified in-line with good arboricultural practice. Some work has been identified as urgent and should be carried out as soon as possible on safety grounds.

5.3.1.5.3.2. Where partial groups are to be removed the suitability and stability of retained trees within the group must be assessed by an Arboriculturist to assess any impact of loss of companion shelter.

5.3.2.5.3.3. All tree work is to follow the principles of BS3998 and must be carried out by suitably qualified and insured contractors. The Arboricultural Association provides a list of contractors who meet these requirements which can be found at www.trees.org.uk.

5.3.3.5.3.4. Should the requirement for additional tree works be identified, this will be discussed with an arboriculturist and no works will be undertaken without the consent of the LPA.

5.3.4.5.3.5. All tree works recommended as a result of the preliminary tree survey which considered trees in the context of the current use of the Scheme boundary and adjacent area (these works are included as preliminary management recommendations in the Tree Schedule in Annex B of this report) should be actioned within the recommended timescales.

5.4. Incursions within the RPA or Canopy Spread

5.4.1. There are potentially some areas where the Scheme may encroach within the RPAs and/or the canopy spread of trees to be retained. However, where this occurs for the most part there is existing highway surfacing. As such the roots are already subject to hard surfacing which has likely been disturbed in the past. In terms of canopy

spread it should also be the case that they are at or exceed highway requirements for clearance and therefore will not pose an additional constraint.

5.4.2. W516 (a designated ancient woodland) is located close to the south of the western spur. The proposed earthworks extend into the 15 m buffer zone around this irreplaceable feature. This incursion has been deemed unavoidable during the design process and compensation measures proposed are set out in Section 8.8.3 of the Environmental Statement Chapter 8: Biodiversity [TR010054/APP/6.1]. In relation to the specific trees in this area, the proposals will not incur within their RPA or canopy extent which can be protected with fencing and therefore they will not have any significant impact on tree health or amenity.

5.5. The future impact of retained trees

5.5.1. Due to the scale and nature of the Scheme it is unlikely that any of the trees shown to be retained will have any future impact on its intended use.

5.5.2. However, retained trees will require periodic inspection to assess their structural condition and safety particularly in relation to safeguarding the highway.

5.5.3. The removal of deadwood or other remedial works to address significant defects may be required in some areas. This will be the responsibility of the tree owner and may in some areas represent an increase in responsibility from the current situation.

5.6. Tree protection

5.6.1. Retained trees are vulnerable to damage from construction activities which can include physical damage to stems and branches following impacts with plant, root severance following trenching, root death or dysfunction following damage to soil structure, (caused by the movement of people or machinery on unsurfaced ground) or via the spillage of materials toxic to tree health. The default position is that the RPA and canopy spread of trees to be retained will form an effective Construction Exclusion Zone, secured with robust fencing where no access will be permitted. Where access is necessary within this area special measures, such as the use of ground protection and arboricultural supervision, are generally required. Positions of Tree Protection Fencing are shown on the Tree Protection Plans at Annex C.

5.7. Site organisation, storage and use of materials, plants and machinery

5.7.1. All construction site facilities including site huts, staff, contractor parking and areas for storage will be located outside of the RPA or crown spread of retained trees, including those not specifically covered in this report. Space is likely to be constrained within the Scheme boundary and will need to be carefully considered. The Construction Exclusion Zones identified on the Tree Protection Plan shown in Annex C must be fully respected and their location and significance is to be highlighted to all site staff and contractors during the formal site briefings.

5.7.2. The use, mixing and washing of materials can lead to run off or inadvertent spillage into tree root zones. Many substances often used on construction sites can be toxic to tree roots (such as concrete, fuels, salts, builders' sand and herbicides) and can

result in the death of tree roots and beneficial soil organisms and can have a significant impact on the future health and appearance of the tree.

5.7.3. The storage of materials and arising's can result in an effective raised soil level. This buries tree roots at depths where air and water are less available and can lead to the decline or death of the tree.

5.7.4. For these reasons the storage of materials and any washing, mixing or refuelling will take place in agreed allocated areas at least 5 m from the edge of the RPA of retained trees.

5.7.5. Any slope effect must be considered and where there is a potential for run off, heavy duty polythene sheeting and sandbags must be in place as bunding to prevent toxic materials reaching RPAs.

5.7.6. Care is required where high sided vehicles, long reach machinery and plant with jibs, booms and counterweights are to operate with in proximity to retained trees. A banksman will be used where the movement of plant or long reach machinery occurs within 5m of any part of a retained tree to ensure no damage is sustained.

5.8. Tree planting

5.8.1. Existing areas of unsurfaced ground must be protected during the construction phases if they are to be re-used for new planting. Protection can be achieved using fit for purpose ground protection measures as set out in BS5837:2012 Section 6.2.3 or by creating a fenced exclusion zone. Where protection is not feasible, soil amelioration or replacement works will be required to ensure suitable growing conditions for new trees to fully establish.

5.8.2. Where new trees are to be planted, the minimum planting distances detailed in Annexe A, Table A.1 of BS5837:2012 must be adhered to, to prevent direct damage to services and structures from future tree growth.

5.8.3. New tree planting should be implemented in accordance with the guidance set out in BS8545: 2014 Trees: from nursery to establishment in the landscape – Recommendations (Ref 18).

5.9. Services

5.9.1. Where existing services become redundant within the RPA of a retained tree, the default position must be that they be decommissioned and left in situ. Where this is not feasible the following principles are to be observed.

5.9.2. Existing services are to be removed by winching out from an access/inspection chamber located outside of an RPA. It may be acceptable to fill redundant pipe work with an inert material or undertake pipe bursting where necessary within the RPA of retained trees.

5.9.3. Excavation to install services has the potential to result in unacceptable root severance which could result in instability, dysfunction or the death of trees.

Repeated incursions are particularly damaging and must be avoided by bundling services wherever possible.

5.9.4. The default position will therefore be that all services be routed outside of the RPA of retained trees. The following general principles will apply and where services must be routed within the RPA of a retained tree this process will be subject to a detailed method statement with approval from the Planning Authority. The principles of the National Joint Utilities Group (NJUG) Volume 4 (Ref 19) guidance must be adhered to.

5.9.5. All services must be bundled as far as possible and installed within RPAs using hand/compressed air excavation (e.g. for shallow service runs) or trenchless techniques such as impact moling (thrust boring) with all access pits and inspection chambers being located outside of the RPA. The route must run as far from the main stem of a retained tree as possible and must be at a minimum depth so that the upper 1 m of the soil profile is undisturbed. The depth of the run may need to be adjusted to account for soil type and species variation and this must be determined subject to the advice of an arboriculturist.

5.9.6. This operation must take place as specified in a Method Statement. Any water pipes must be constructed so as to be resistant to ingress by tree roots (both existing trees, and newly planted trees) which could include the use of root barriers where appropriate.

6. Conclusions

6.1.1. The Scheme would require the removal of 88~~151~~ trees, 39~~62~~ groups, two~~three~~ woodlands, one hedge, 31~~17~~ partial groups, five~~four~~ partial woodland groups, one hedge and one partial hedge; this includes 50~~67~~ trees, 12~~20~~ groups, two~~three~~ woodlands, 14~~nine~~ partial groups and five~~four~~ partial woodland groups classed as moderate quality (Category B) whilst the rest are categorised as Category C or Category U. The Scheme will also require the removal of non-surveyed tree groups. Identified with the prefix NTM, four groups and five partial groups along the existing M54 motorway will be removed and two partial groups along the A460 to the north of M6 Junction 11 will also be removed. Where partial groups are identified for removal these trees should be surveyed in detail to confirm the required tree removals.

6.1.2. Tree removals are required due to a direct conflict with the Scheme and are essentially unavoidable if the proposed design is to be achieved. Consideration was given to alternative Scheme designs and road alignments with the current design believed to have a lesser impact in terms of tree constraints.

~~6.1.2.~~6.1.3. Where partial tree groups are to be removed the suitability and stability of retained trees within the group must be assessed by an Arboriculturist to assess any impact of loss of companion shelter.

~~6.1.3.~~6.1.4. Tree loss will be mitigated with the planting of new trees as part of a comprehensive landscaping scheme which represents an opportunity to enhance the diversity and resilience of the local tree stock.

~~6.1.4.~~6.1.5. Tree work, required regardless of the Scheme, has been identified for a number of trees, most notably dead and/or dangerous trees within close proximity of existing highways and property. These works are listed in the Tree Schedule in preliminary work recommendations and should be actioned within the specified timescales. Following these works there is potential for increased proactive management of the tree cover within the Scheme boundary and adjacent areas (especially within woodland areas).

~~6.1.5.~~6.1.6. Soil structure for areas of new tree planting where the ground is currently unsurfaced will either be protected using ground protection or fenced exclusion zones; or the soil structure will be ameliorated or replaced following the completion of construction works with the Scheme boundary.

6.2. Issues to be addressed by an Arboricultural Method Statement:

- conditions of planning consent;
- pre-commencement meeting and site briefing;
- order and phasing of operations;
- tree works;
- tree protection fencing;
- ground protection;
- site storage and facilities;

- movement of people, plant and materials;
- enabling works;
- installation of new surfacing;
- installation of new services and/or diversion of existing services;
- hard landscaping;
- soft Landscaping and;
- removal of tree protection measures.

7. References

Ref 1 Department for Transport (2014) National Policy Statement for National Networks

Ref 2 Ministry for Housing, Communities and Local Government (MHCLG), 2019. National Planning Policy Framework (NPPF). MHCLG

Ref 3 British Standards Institution (BSI), BS5837:2012. Trees in relation to design, demolition and construction – Recommendations. BSI

Ref 4 South Staffordshire Council, (2012) Core Strategy Development Plan Document

Ref 5 National House Building Council (NHBC) Standards, (2018). Chapter 4.2: Building Near Trees

Ref 6 National Tree Safety Group (NTSG), 2011. Common sense risk management of trees. Forestry Commission.

Ref 7 Health and Safety Executive, (2015) Construction (Design and Management) Regulations 2015.

Ref 8 HMSO, (1981). The Wildlife & Countryside Act 1981. https://www.legislation.gov.uk/ukpga/1981/69

Ref 9 HMSO, (2000). The Countryside and Rights of Way Act. https://www.legislation.gov.uk/ukpga/2000/37/contents

Ref 10 HMSO, (2017). The Conservation of Habitats and Species Regulations 2017 http://www.legislation.gov.uk/uksi/2017/1012/contents/made

Ref 11 British Standards Institution (BSI), BS3998:2010. Tree work – Recommendations. BSI

Ref 12 https://www.sstaffs.gov.uk/planning/conservation-areas.cfm

Ref 13 http://wolverhampton.maps.arcgis.com/apps/webappviewer/index.html?id=191ee3ccb73f4a4a831a563fa5d8c9db

Ref 14 https://wolverhampton.maps.arcgis.com/apps/webappviewer/index.html?id=7483cec7b9384e2f90a7076b446eb7be

Ref 15 The Hedgerow Regulations 1997. HMSO (1997). http://www.legislation.gov.uk/uksi/1997/1160/contents/made

Ref 16 Defra - Magic on the Map. Available online at https://magic.defra.gov.uk/MagicMap.aspx

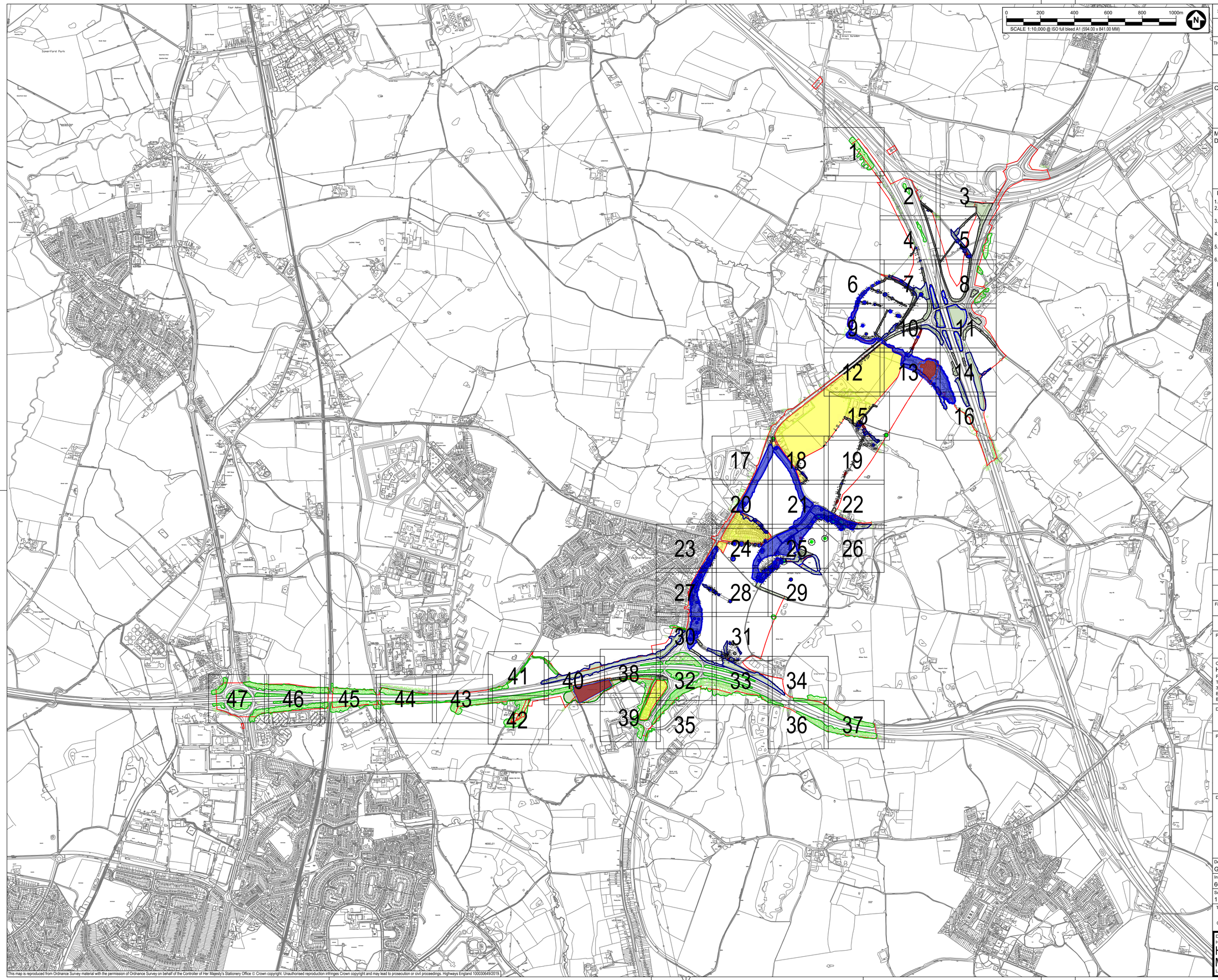
Ref 17 Natural England and the Forestry Commission https://www.gov.uk/guidance/ancient-woodland-and-veteran-trees-protection-surveys-licences

Ref 18 British Standards Institution (BSI), BS8545:2014. Trees: from nursery to independence in the landscape – Recommendations. BSI

Ref 19 National Joint Utilities Group (NJUG) Volume 4, Issue 2, (2007). NJUG Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees.

Ref 20 Ancient Tree Inventory. Woodland Trust. Available online at https://ati.woodlandtrust.org.uk/.

Annex A: Tree Constraints Plans (Key plan and Sheets 1 to 4721



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KEY

First Issue	CC / AW	28/09/20	P00	
Revision Details	By / Check	Date	Suffix	

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
OVERVIEW KEY PLAN

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
1:10000H/1:10000V	Landscape

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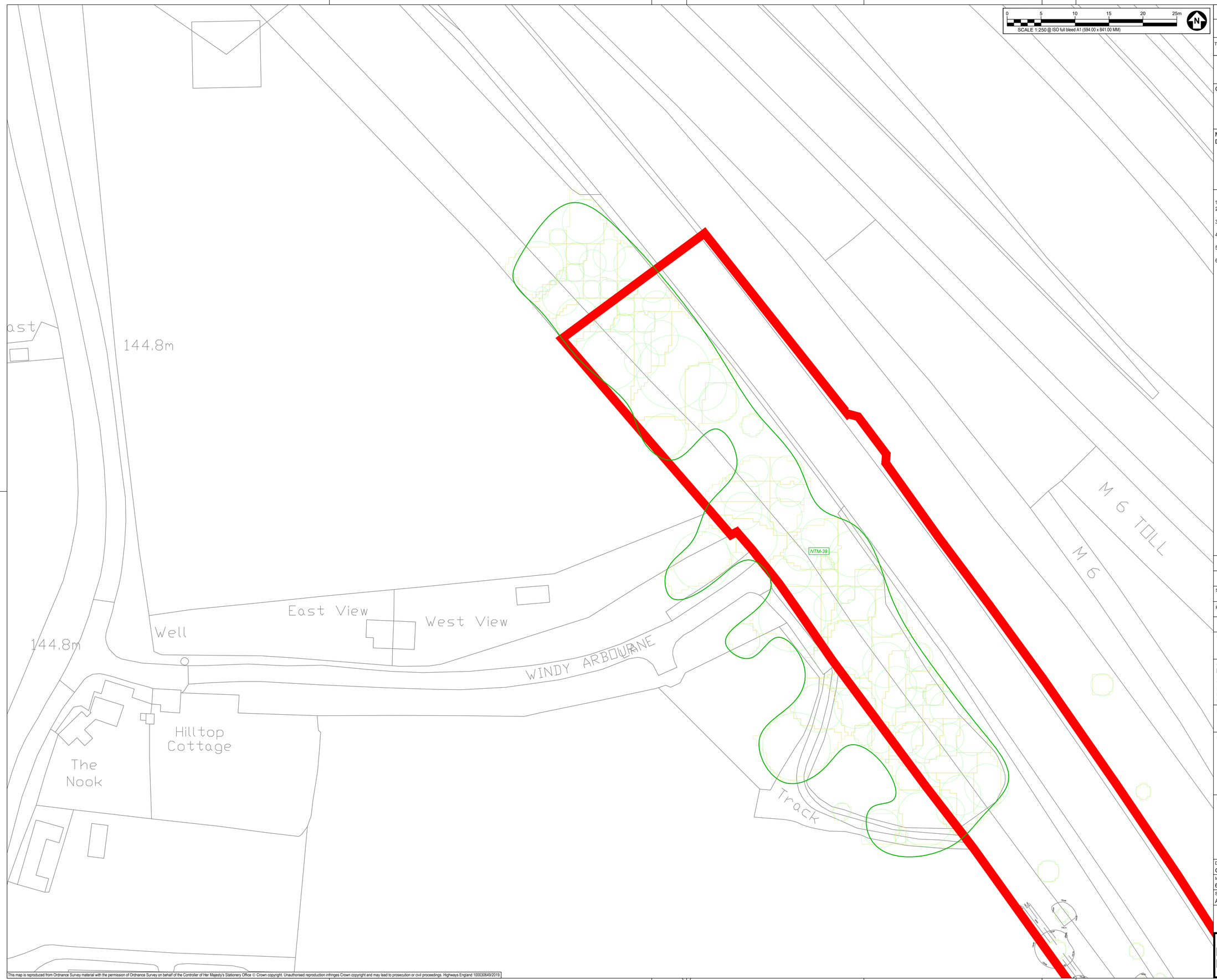
Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR	-AB	-0100	



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CONSTRUCTION

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   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

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SHEET 1 OF 47

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Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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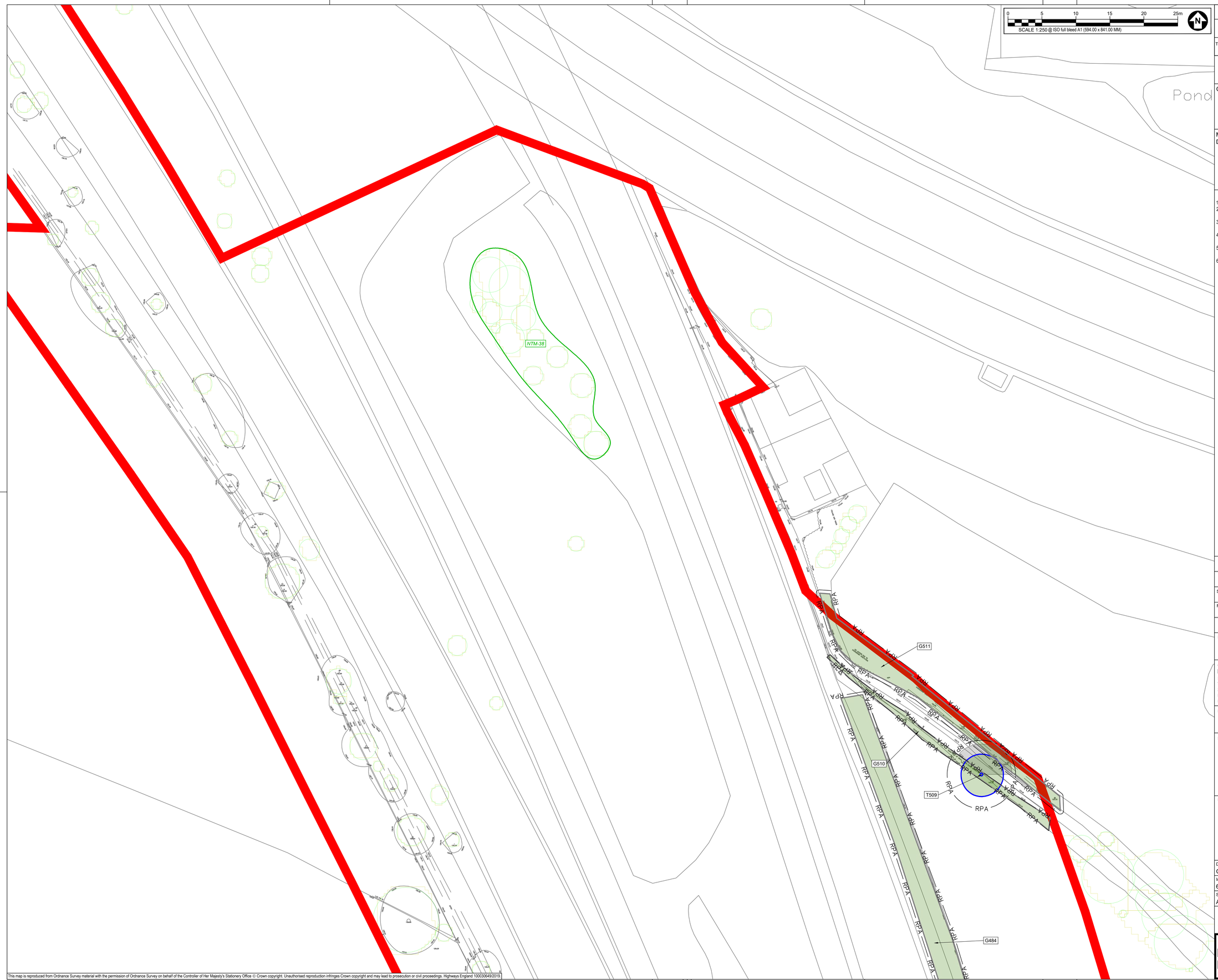
Highways England PIN	Originator	Volume	Location	Type	Role	Number	Rev
HE 514465	-ACM	-ELS -	M54_SW_PR_Z	-DR-AB	-0101		P02



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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 2 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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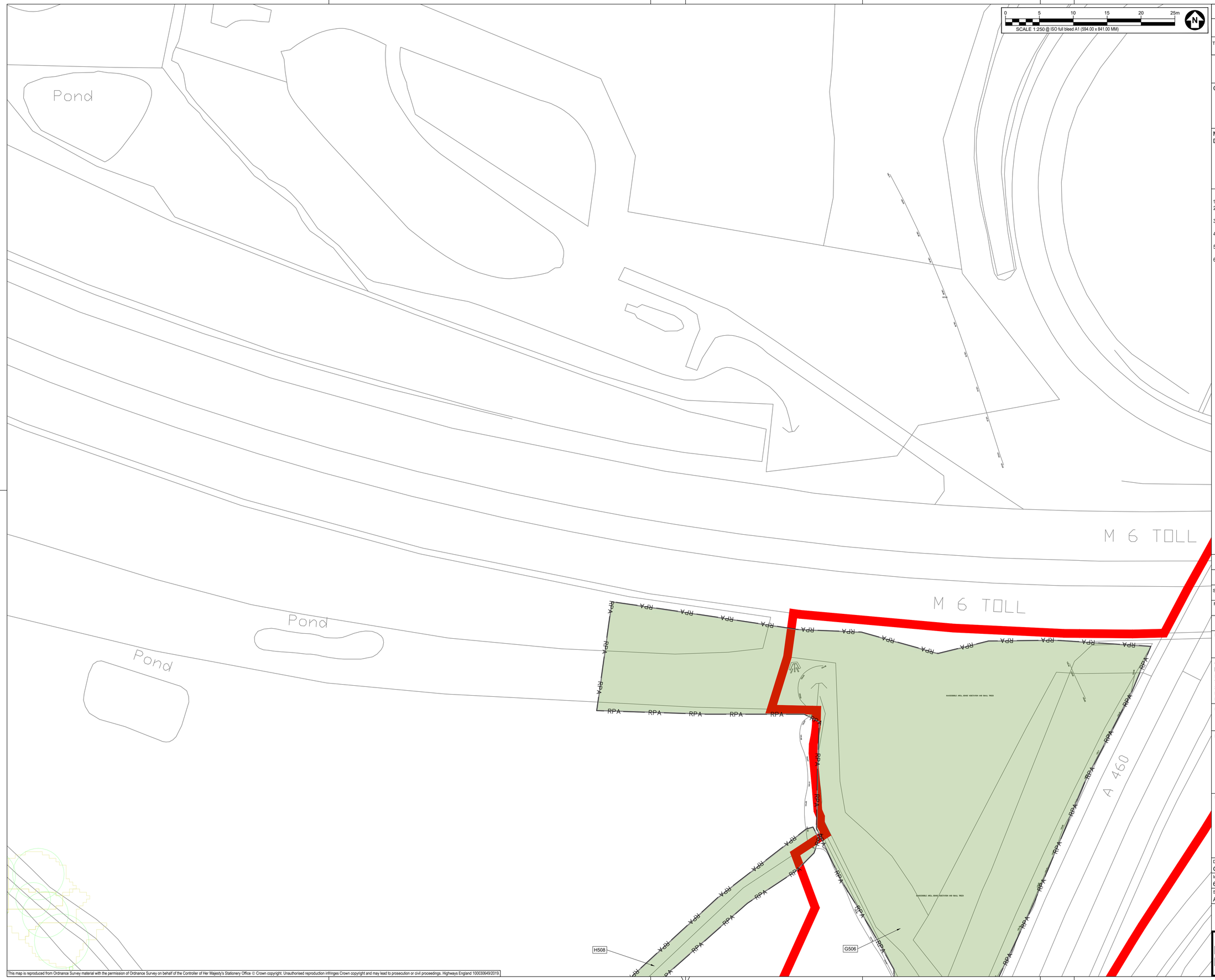
Drawing Number					Rev
Highways England PIN	Originator		Volume		
HE 514465	-ACM		-ELS	-	P02
M54_SW_PR_Z			-DR-AB	-0102	
Location			Type	Role Number	



0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC	AW	28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 3 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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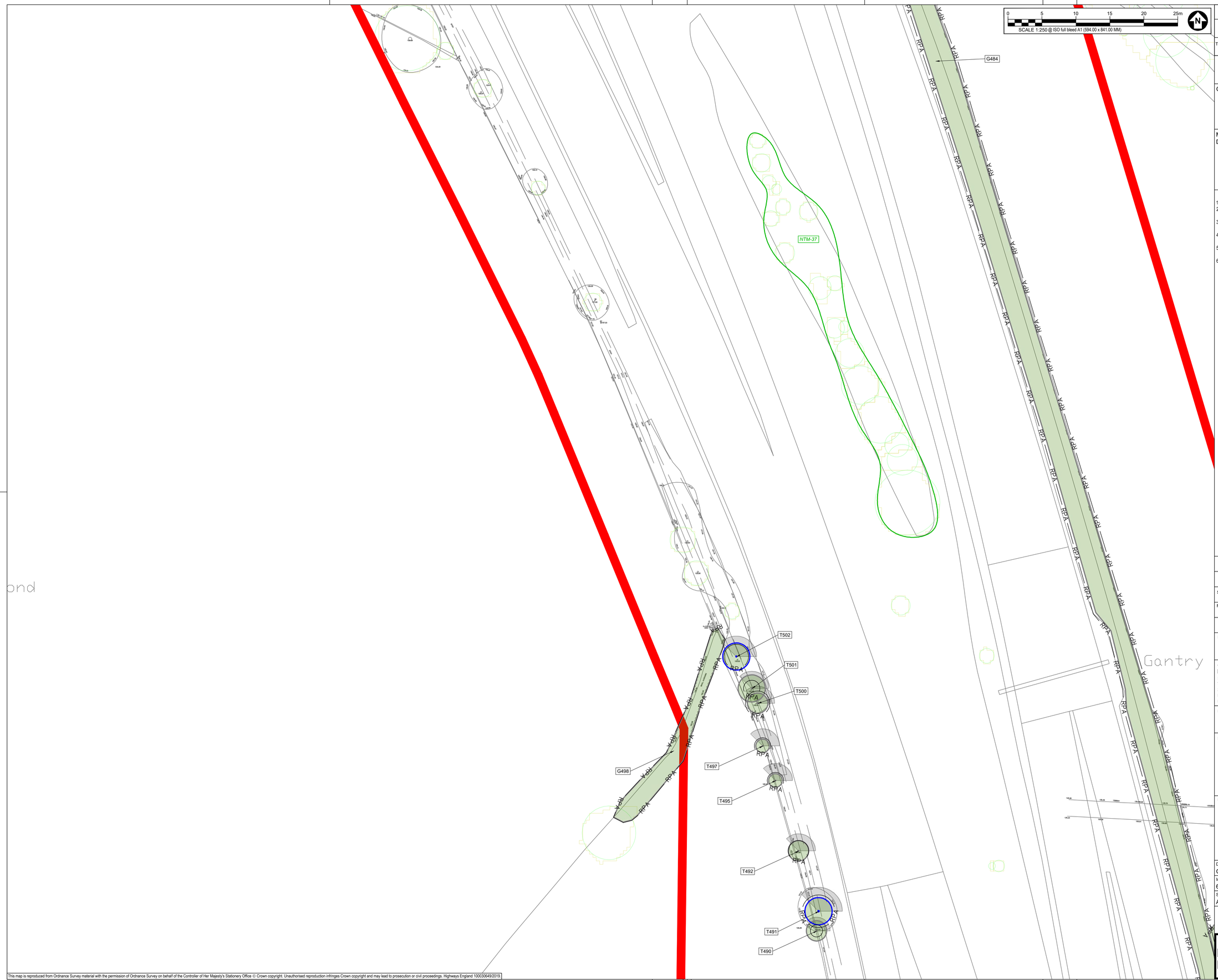
Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
M54_SW_PR_Z		-DR-AB	-0103	
Location		Type	Role Number	



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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	CC	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 4 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume | Location | Type | Role | Number | Rev

HE 514465 - ACM - ELS - M54_SW_PR_Z - DR - AB - 0104 — P02

0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

H508 G506 W507 T505 G504 T503 T499 T494 T493 G484 H496

Pond Gantry Pond NTM-36

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography Incl. Labels'

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- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 5 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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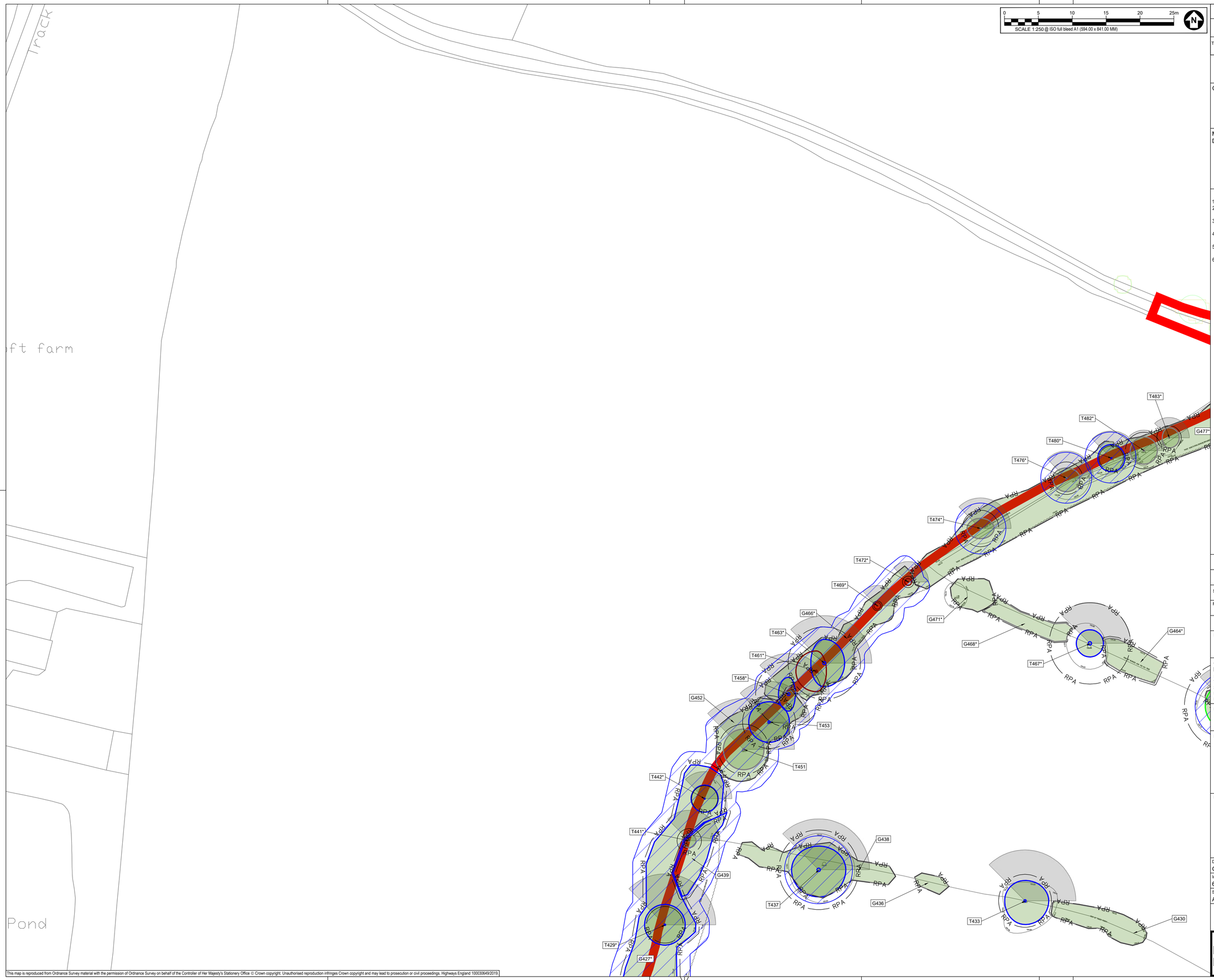
Drawing Number
Highways England PIN | Originator | Volume | Location | Type | Role | Number | Rev
HE 514465 - ACM - ELS - M54_SW_PR_Z - DR - AB - 0105 | P02



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0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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KEY

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- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	CC	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 6 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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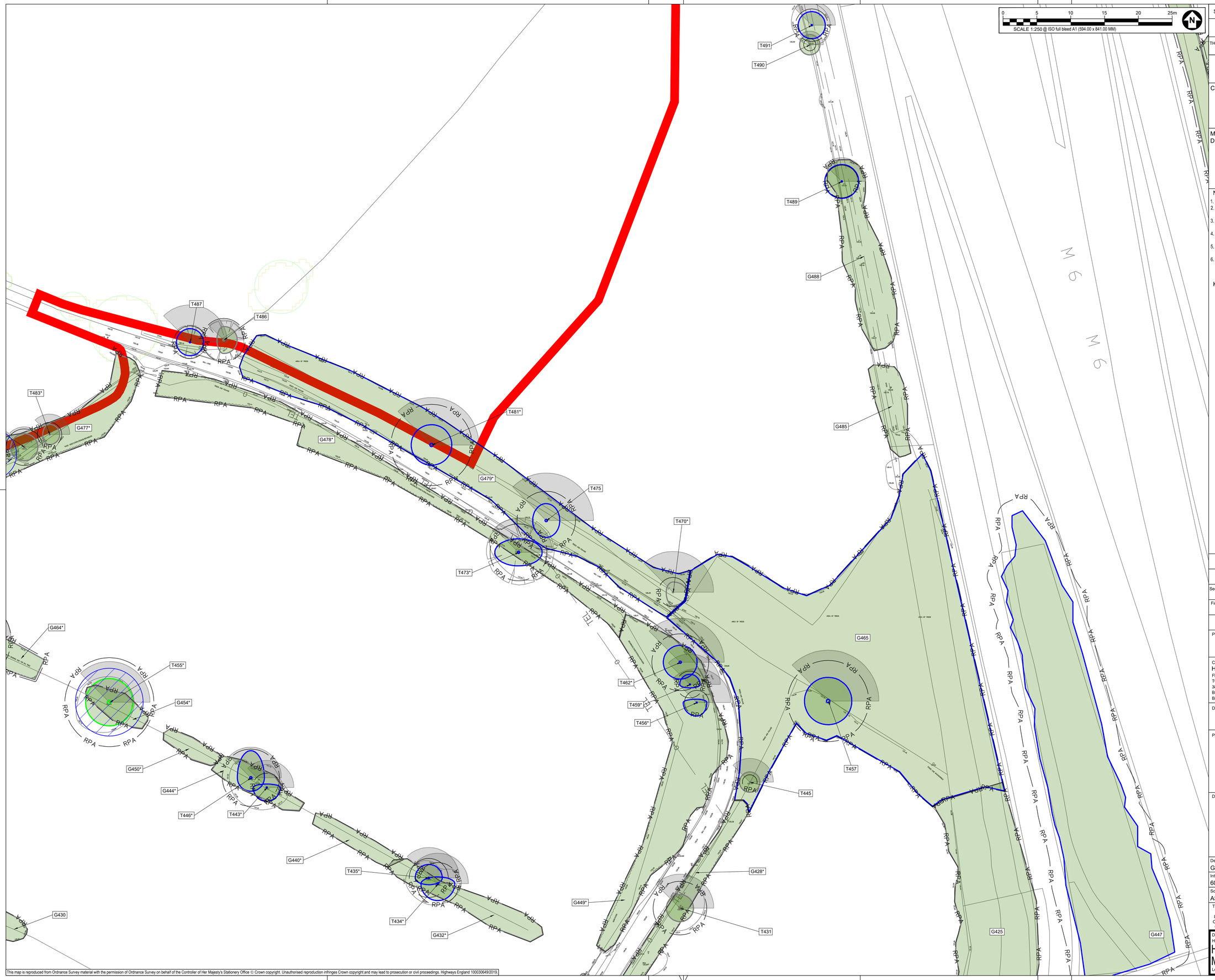
Drawing Number
Highways England PIN | Originator | Volume | Type | Role | Number
HE 514465 -ACM -ELS - M54_SW_PR_Z -DR-AB-0106
Location

Rev: P02



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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue: DCO APPLICATION

Client: Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number: TR010054

Project Title: M54 to M6 Link Road

Drawing Title: TREE CONSTRAINTS PLAN SHEET 7 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume | Location | Type | Role | Number | Rev
HE 514465 | -ACM | -ELS - | M54_SW_PR_Z | -DR-AB-0107 | P02

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- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		28/09/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 8 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
Location		Type	Role Number	
M54_SW_PR_Z		-DR-AB	-0108	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	CC	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 9 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	-ACM	-ELS	-	P02
Location		Type	Role	Number
M54_SW_PR_Z		-DR-AB	-0109	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography Incl. Labels'

KEY

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- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02
First Issue	CC	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 10 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 -ACM -ELS -
M54_SW_PR_Z -DR-AB-0110
Location | Type | Role | Number

Rev **P02**

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02	
First Issue	CC	23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 11 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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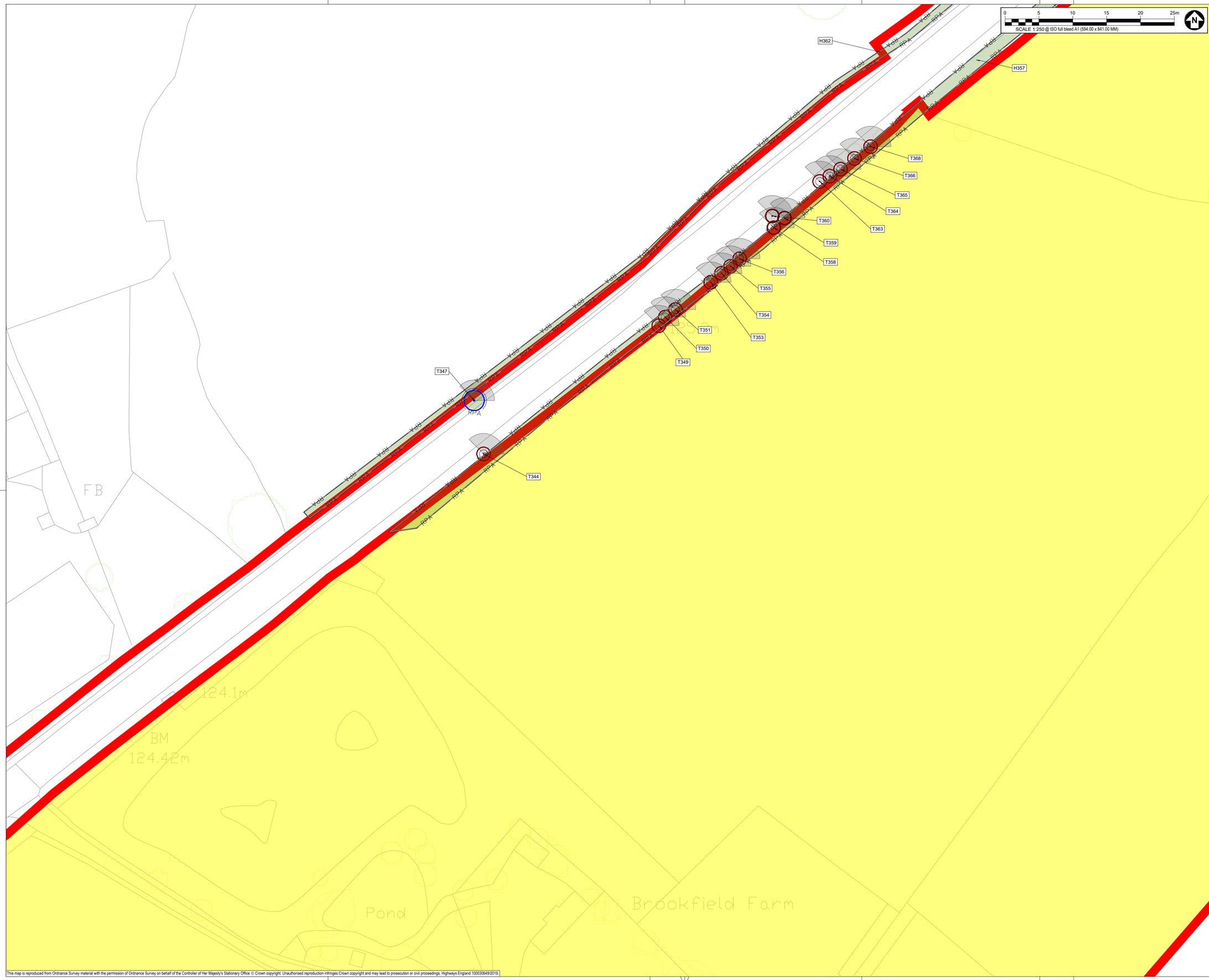
Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
Location	Type	Role	Number	
M54_SW_PR_Z		-DR-AB	-0111	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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KEY

- **ORDER LIMITS**
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- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW		28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 12 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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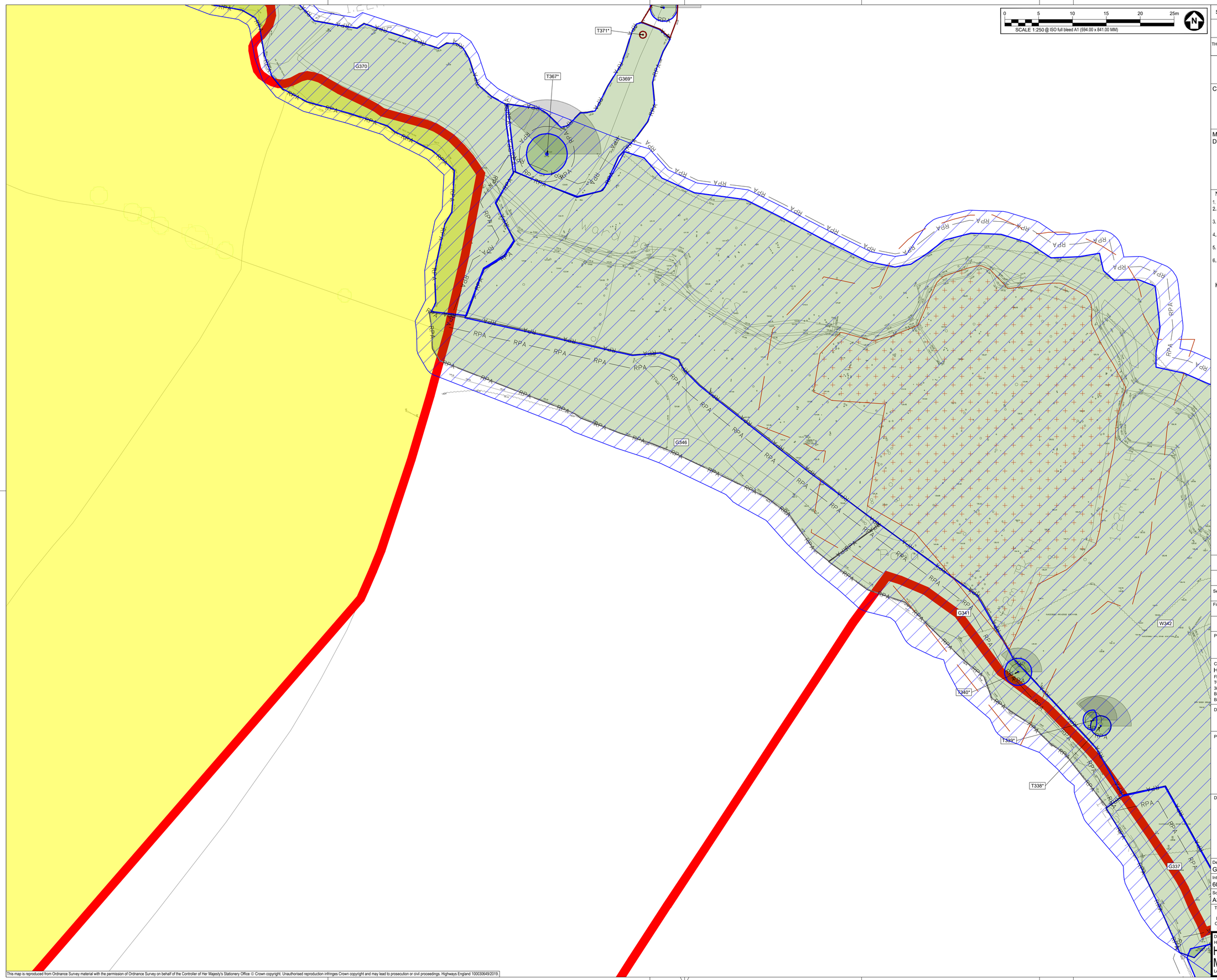
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
Location	Type	Role	Number
M54_SW_PR_Z		-DR-AB	-0112



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KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
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- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02
First Issue	CC	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 13 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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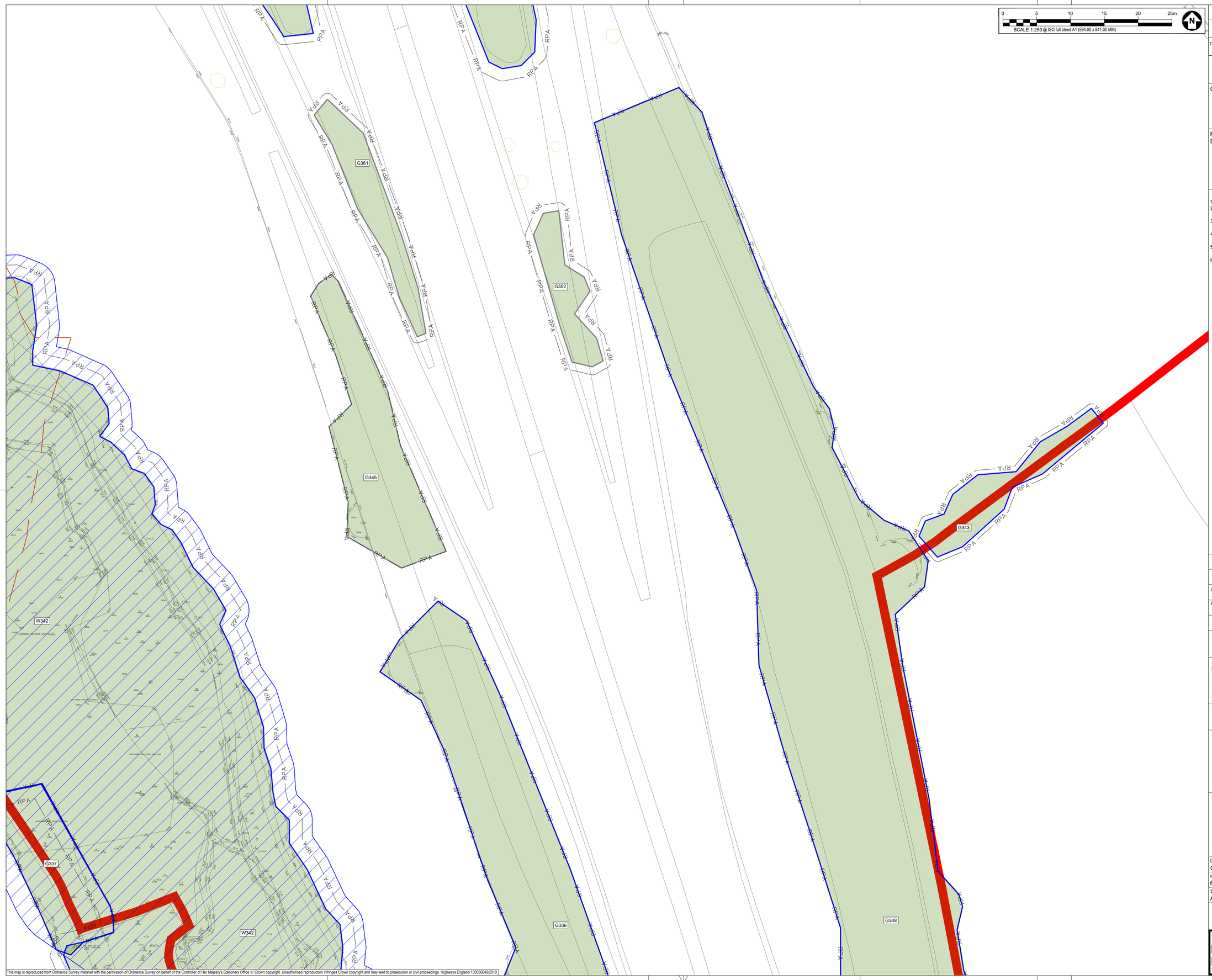
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
Location	Type	Role	Number
M54_SW_PR_Z		-DR-AB	-0113



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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 14 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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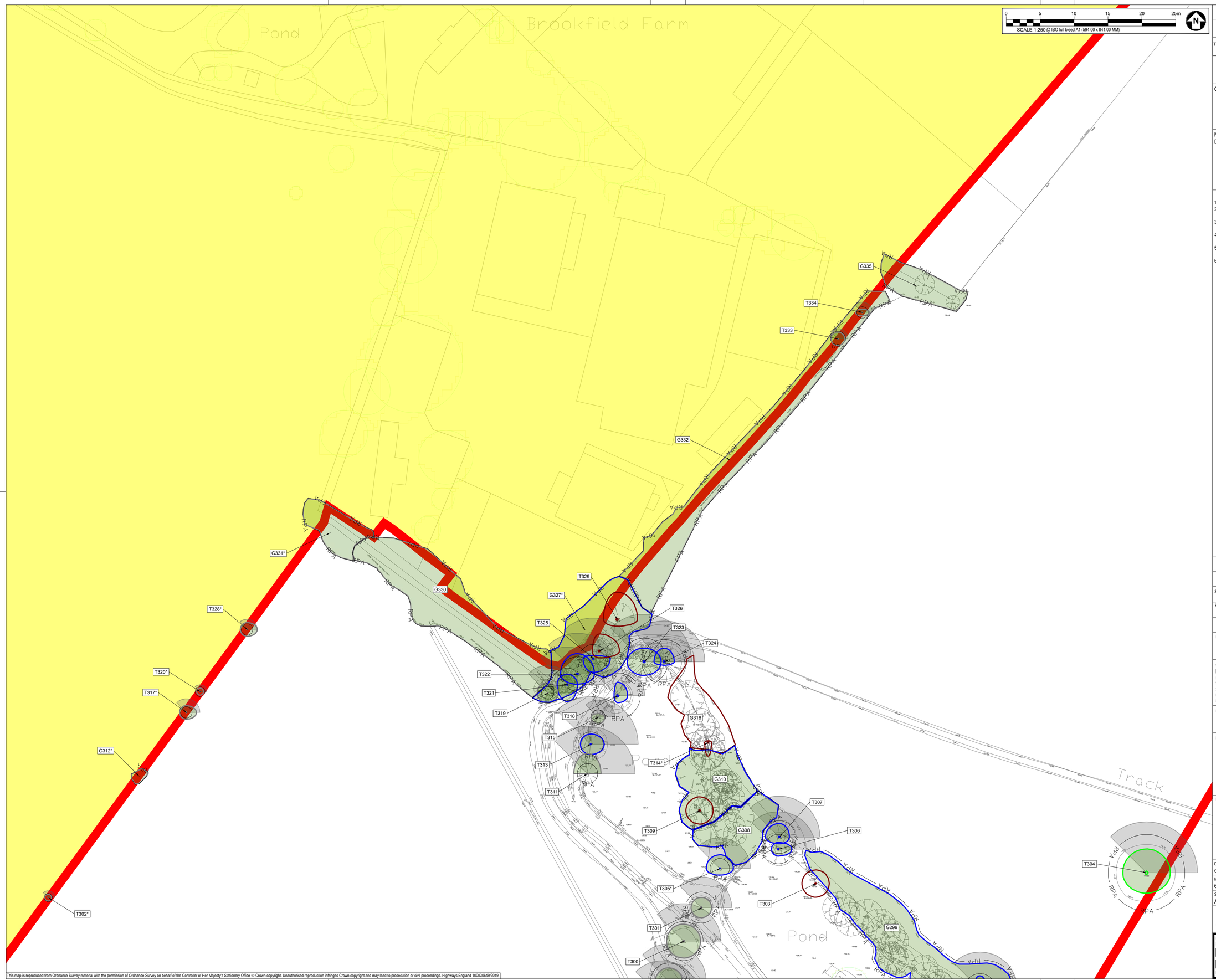
Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
M54_SW_PR_Z		-DR-AB	-0114	
Location		Type	Role Number	



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   'OS MasterMap Topography Incl. Labels'

KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client

Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 15 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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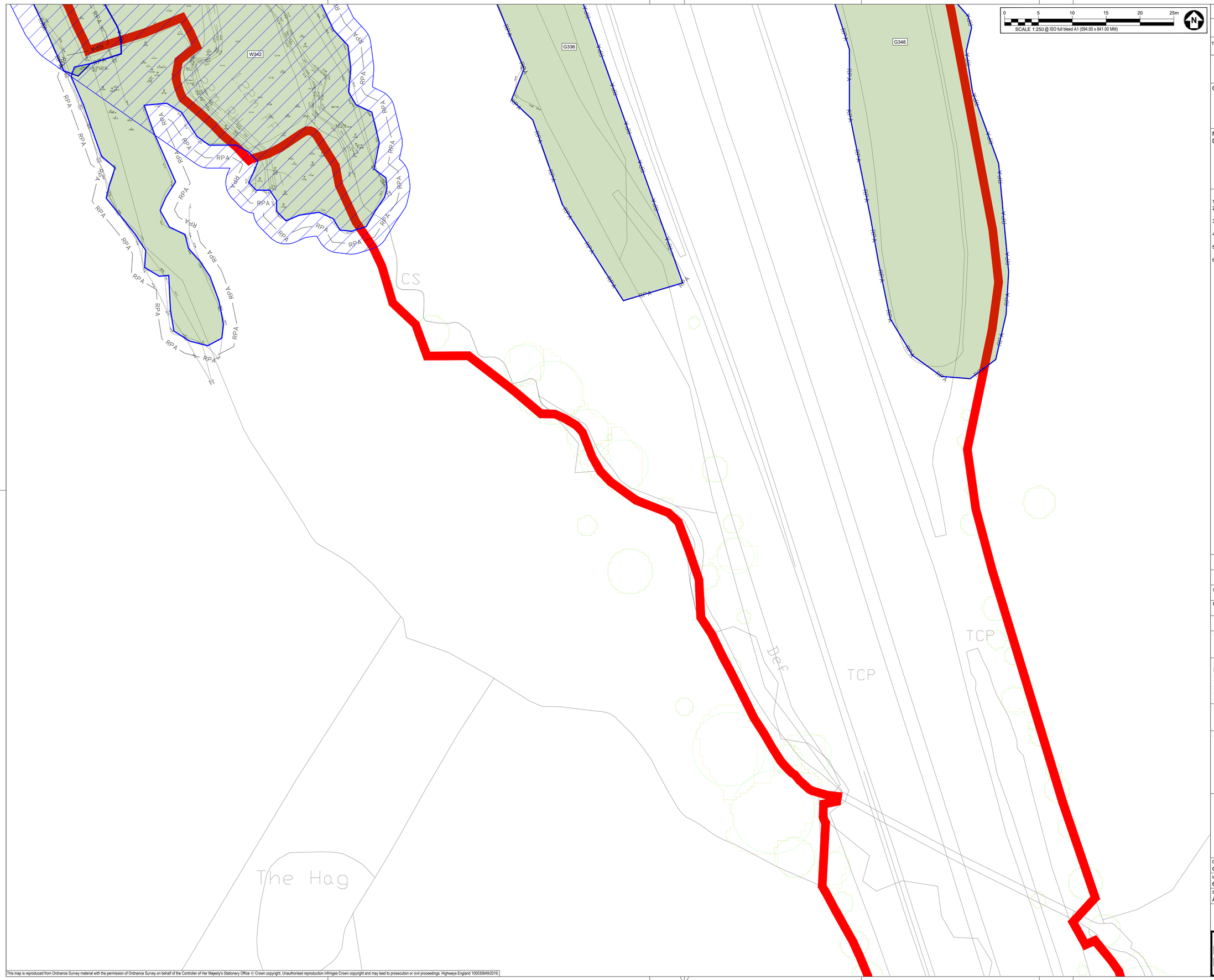
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
Location	Type	Role	Number
M54_SW_PR_Z		-DR-AB	-0115



0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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5. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW		28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 16 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR-AB	-0116		

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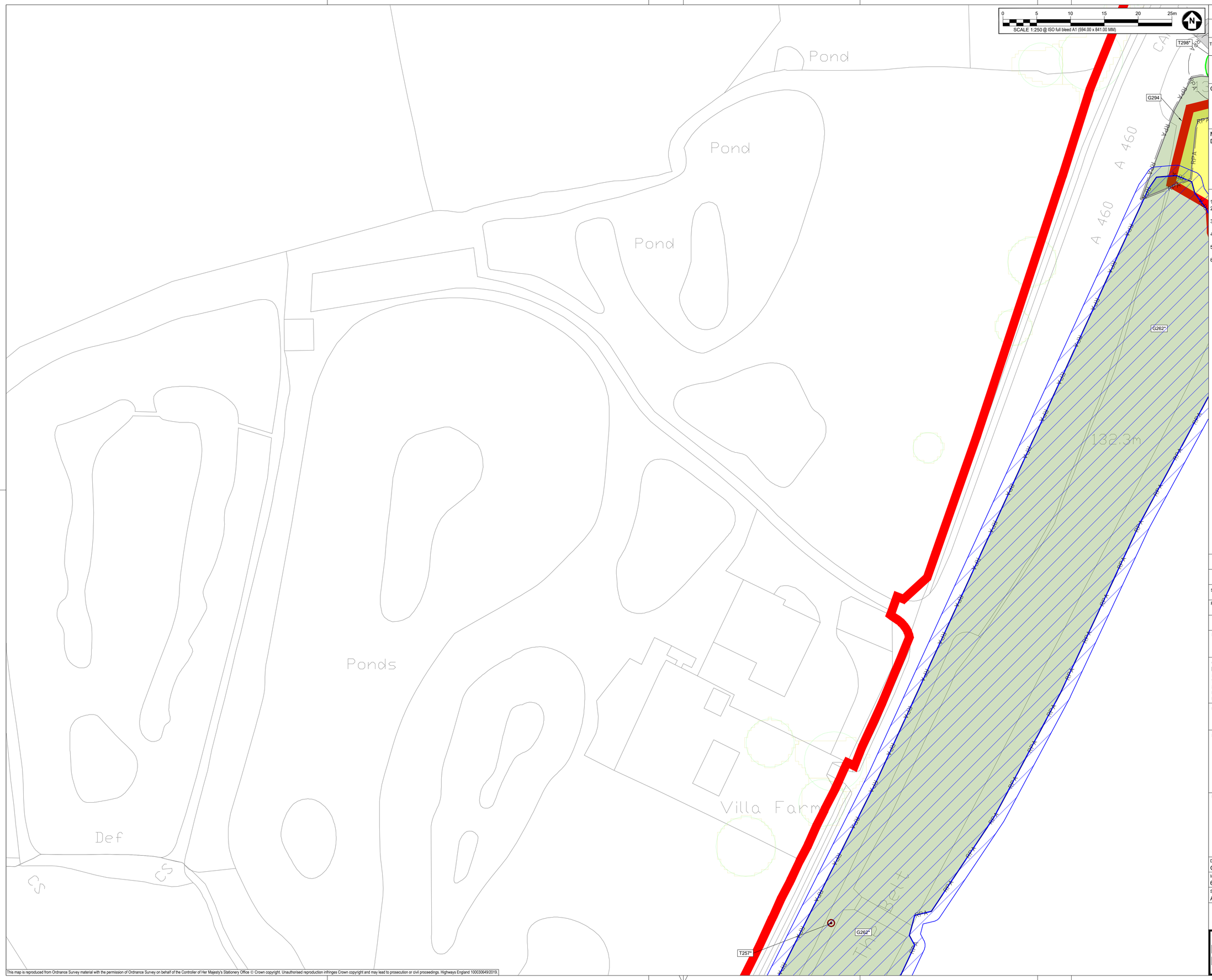
Pond
Pond
Pond
Ponds
Villa Farm
Def
A 460
A 460
132.3m
T298*
G294
G262*
T257*
G262*
RPA
RPA
RPA

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P10
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 18 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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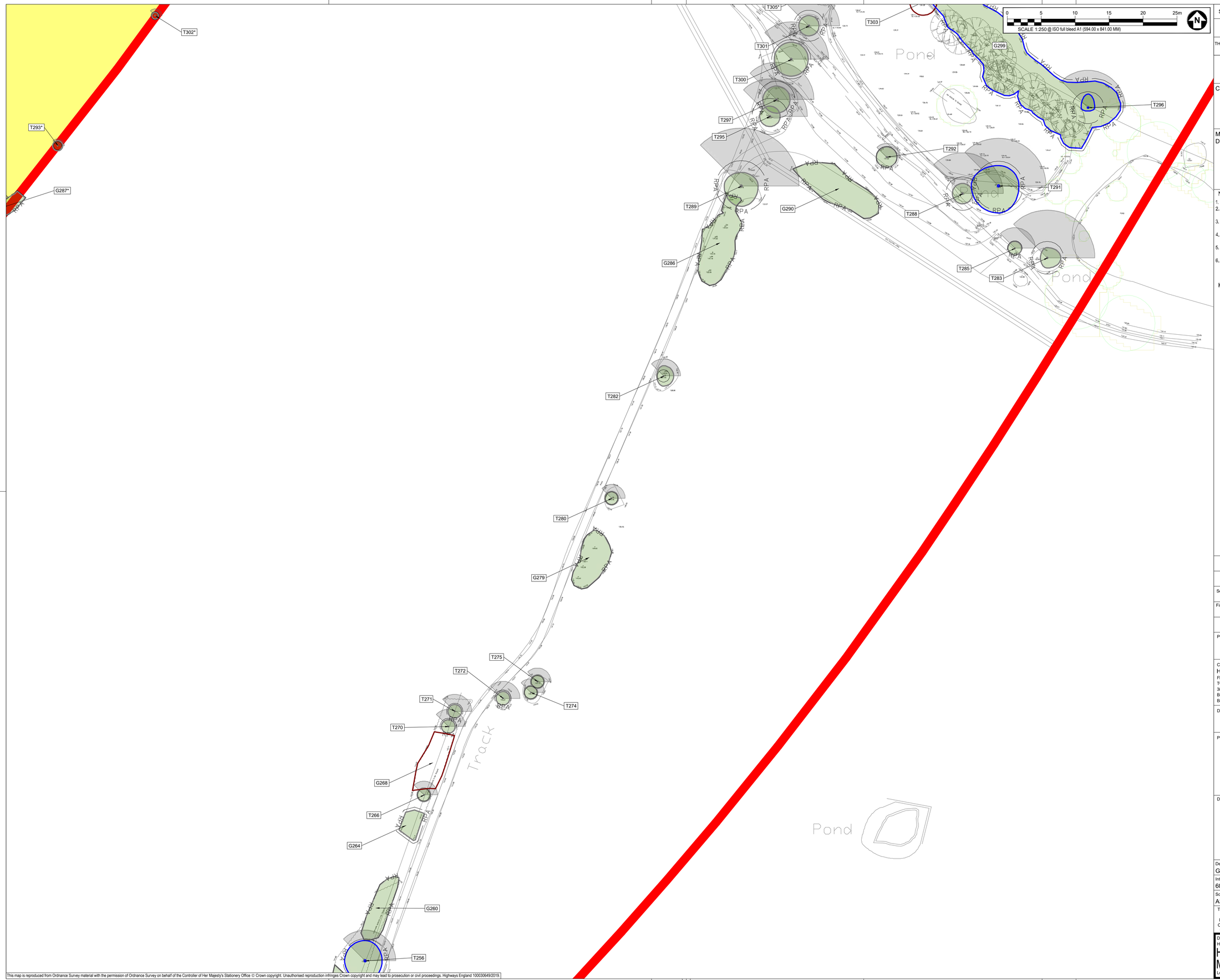
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
M54_SW_PR_Z		-DR-AB-0118	
Location		Type / Role / Number	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
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- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 19 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Location	Type	Role	Number	Rev
HE 514465	-ACM	-ELS -	M54_SW_PR_Z	-DR	-AB	-0119	P02

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 20 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
M54_SW_PR_Z		-DR-AB-0120	
Location		Type / Role / Number	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
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- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM4.1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 21 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
Location	Type	Role	Number
M54_SW_PR_Z		-DR-AB	-0121

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0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 22 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
Location		Type	Role / Number	
M54_SW_PR_Z		-DR-AB	-0122	

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

0 5 10 15 20 25m

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
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- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 23 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	-ACM	-ELS	-	P02
M54_SW_PR_Z		-DR-AB	-0123	
Location		Type	Role Number	

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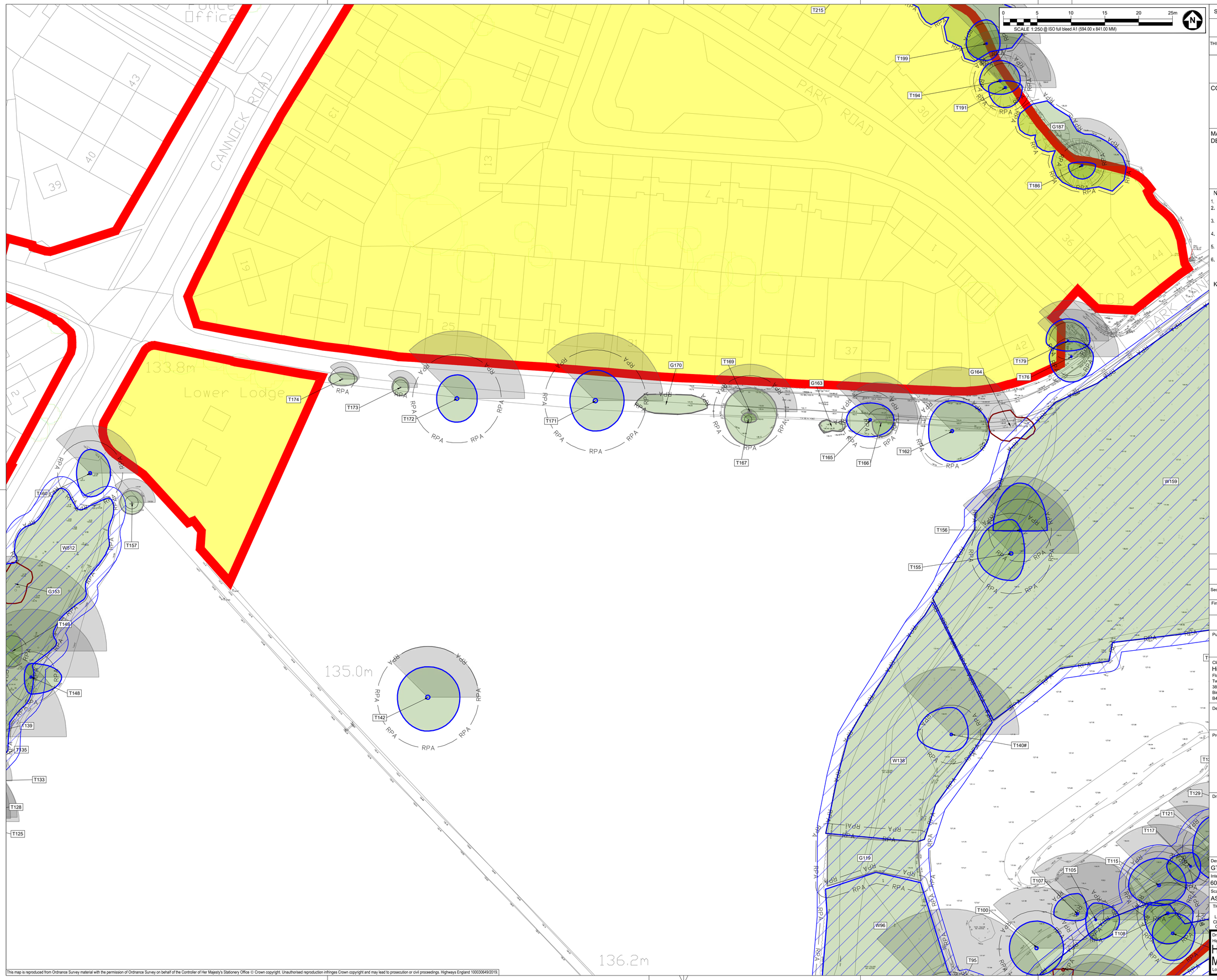

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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5. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 24 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Location	Type	Role	Number	Rev
HE 514465	-ACM	-ELS -	M54_SW_PR_Z	-DR	-AB	-0124	P02

0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-03002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
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- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 25 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Location	Type	Role	Number	Rev
HE 514465	-ACM	-ELS	M54_SW_PR_Z	-DR	-AB	-0125	P02

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
		28/09/20	P02
First Issue	CC / AW	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 26 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
Location	Type	Role	Number	
M54_SW_PR_Z		-DR-AB	-0126	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 27 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
Location		Type	Role / Number	
M54_SW_PR_Z		-DR-AB	-0127	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
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- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 28 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	
Status	Zone
S0-First Issue	Landscape

Scale @ A1
AS SHOWNH/AS SHOWNV

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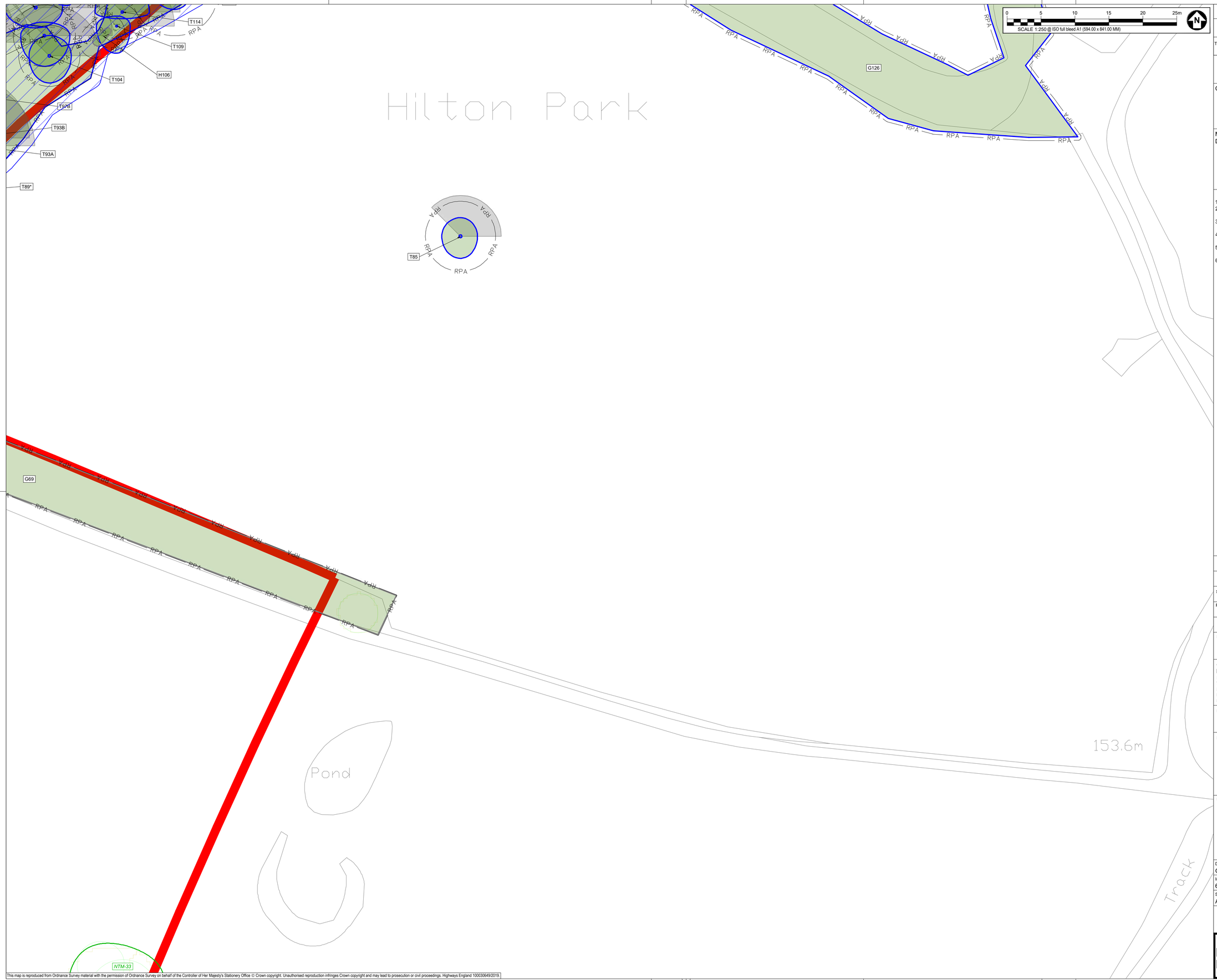
Drawing Number

Highways England PIN	Originator	Volume	Type	Role	Number	Rev
HE 514465 M54_SW_PR_Z	-ACM	-ELS -	-DR-	AB	-0128	P02

Location



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-#
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 29 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	**Zone**
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Location	Type	Role	Number	Rev
HE 514465	-ACM	-ELS -	M54_SW_PR_Z	-DR	-AB	-0129	P02

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography Incl. Labels'

KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW		28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 30 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 -ACM -ELS -
Location | Type | Role | Number
M54_SW_PR_Z -DR-AB-0130

Rev P02

0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

147.5m

146.7m

Pond

T34* G33 G31 T32* G24 T19* G25 T23* G17* T18* T16* T12* G26 G29 T22* T21* T11* T9* G28* T20* T14* T15* T10* T13* G8* G6 T5* T7

RPA

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
4. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
5. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.
6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 31 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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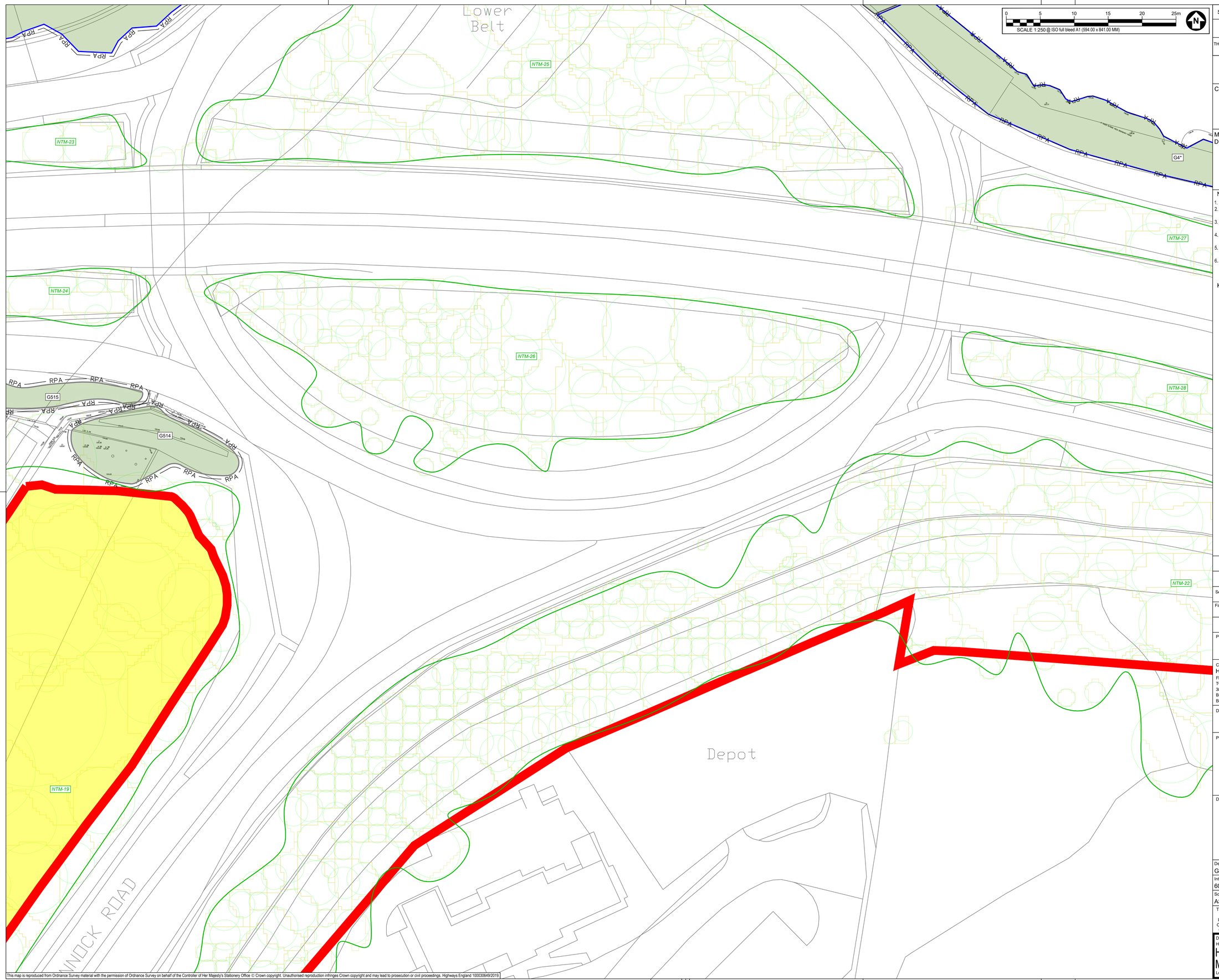
Drawing Number

Highways England PIN	Originator	Volume	Type	Role	Number	Location	Rev
HE 514465	-ACM	-ELS	-DR	-AB	-0131	M54_SW_PR_Z	P02



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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- NTM-1 **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 32 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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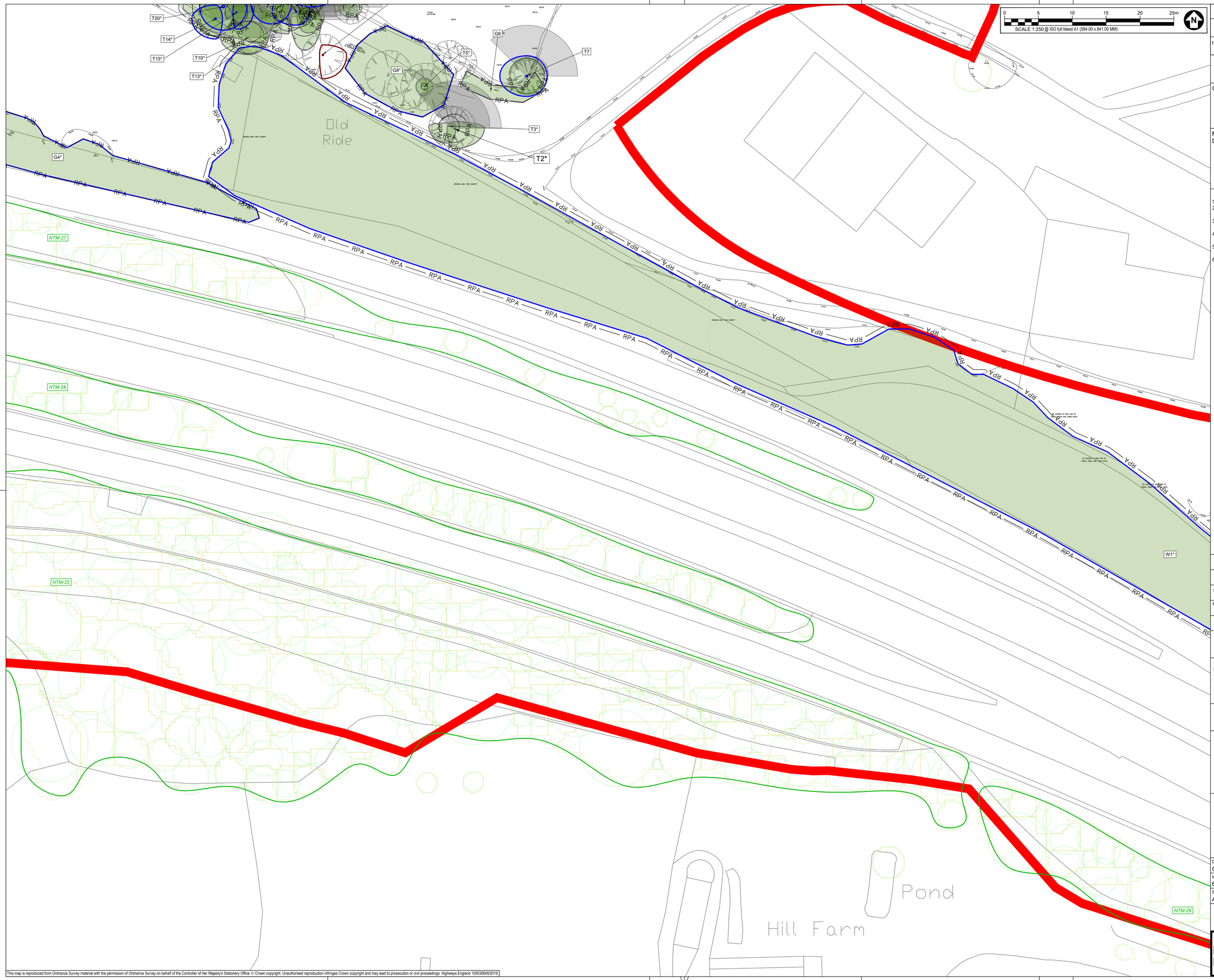
Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR	-AB	-0132	



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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography Incl. Labels'

KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC	AW	28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 33 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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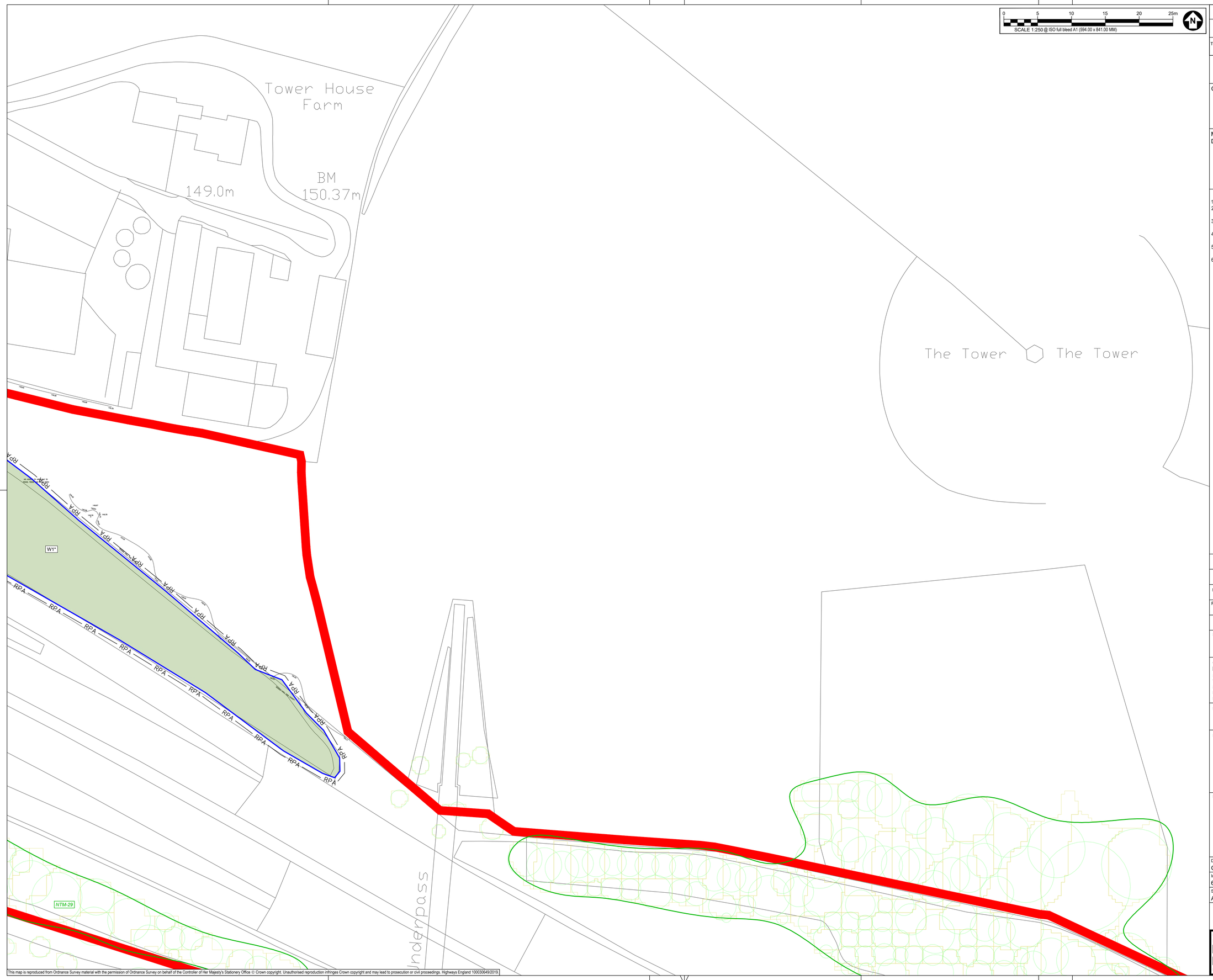
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
M54_SW_PR_Z		-DR-AB-0133	
Location		Type / Role / Number	



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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography Incl. Labels'

KEY

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 34 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume		Rev
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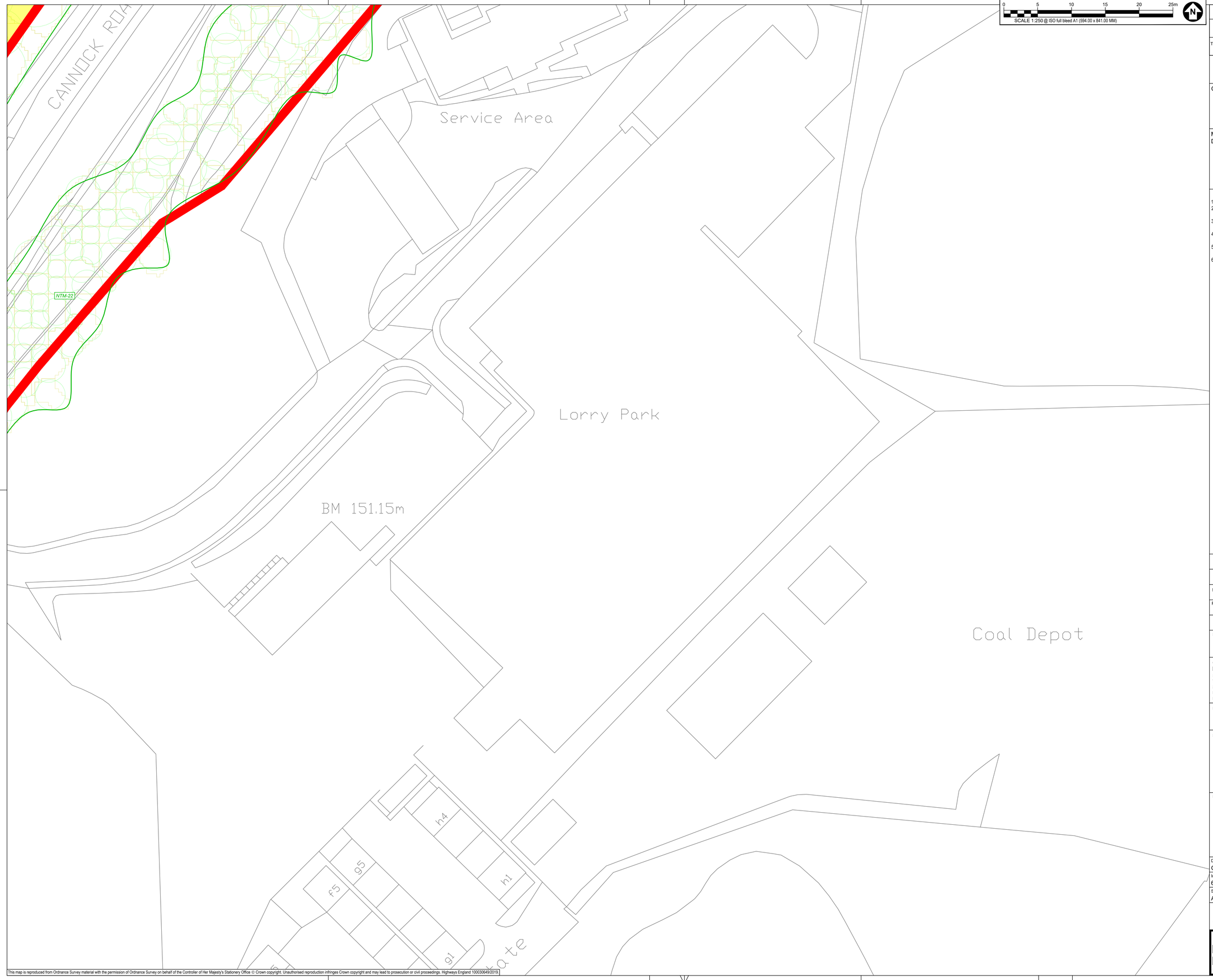
Location		Type	Role Number	



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SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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KEY

- **ORDER LIMITS**
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- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE CONSTRAINTS PLAN SHEET 35 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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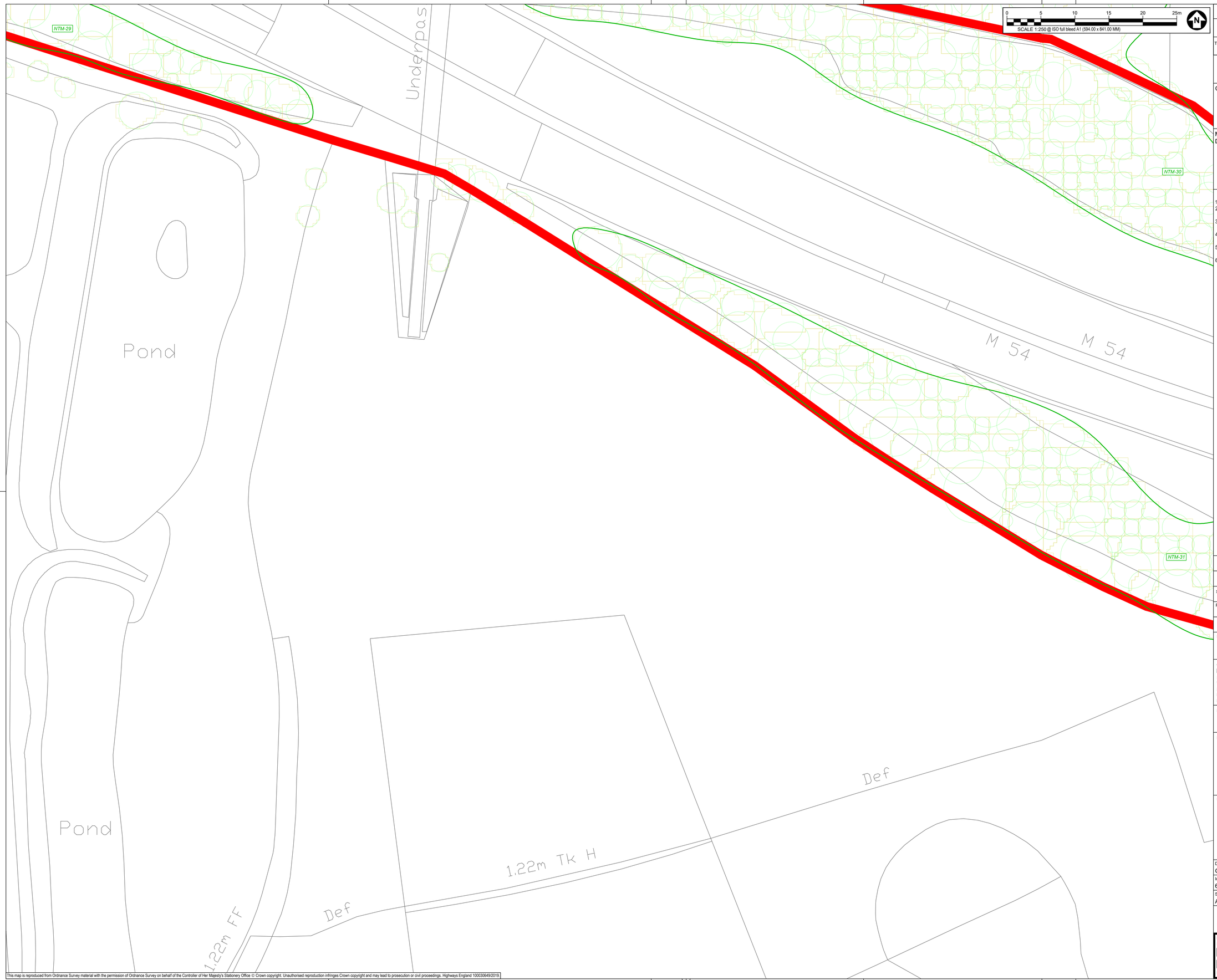
Drawing Number
Highways England PIN | Originator | Volume | Location | Type | Role | Number | Rev
HE 514465 -ACM -ELS - M54_SW_PR_Z -DR-AB-0135 P02



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KEY

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- NTM-1 **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 36 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR	-AB	-0136	

0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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KEY

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- NTM-1 **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 37 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR-AB	-0137		

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0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SV-00002'
   'OS MasterMap Topography Incl. Labels'

KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- NTM-1 **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)*
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 38 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume | Type | Role | Number | Rev
HE 514465 - ACM - ELS - DR - AB - 0138 | P02
Location: M54_SW_PR_Z

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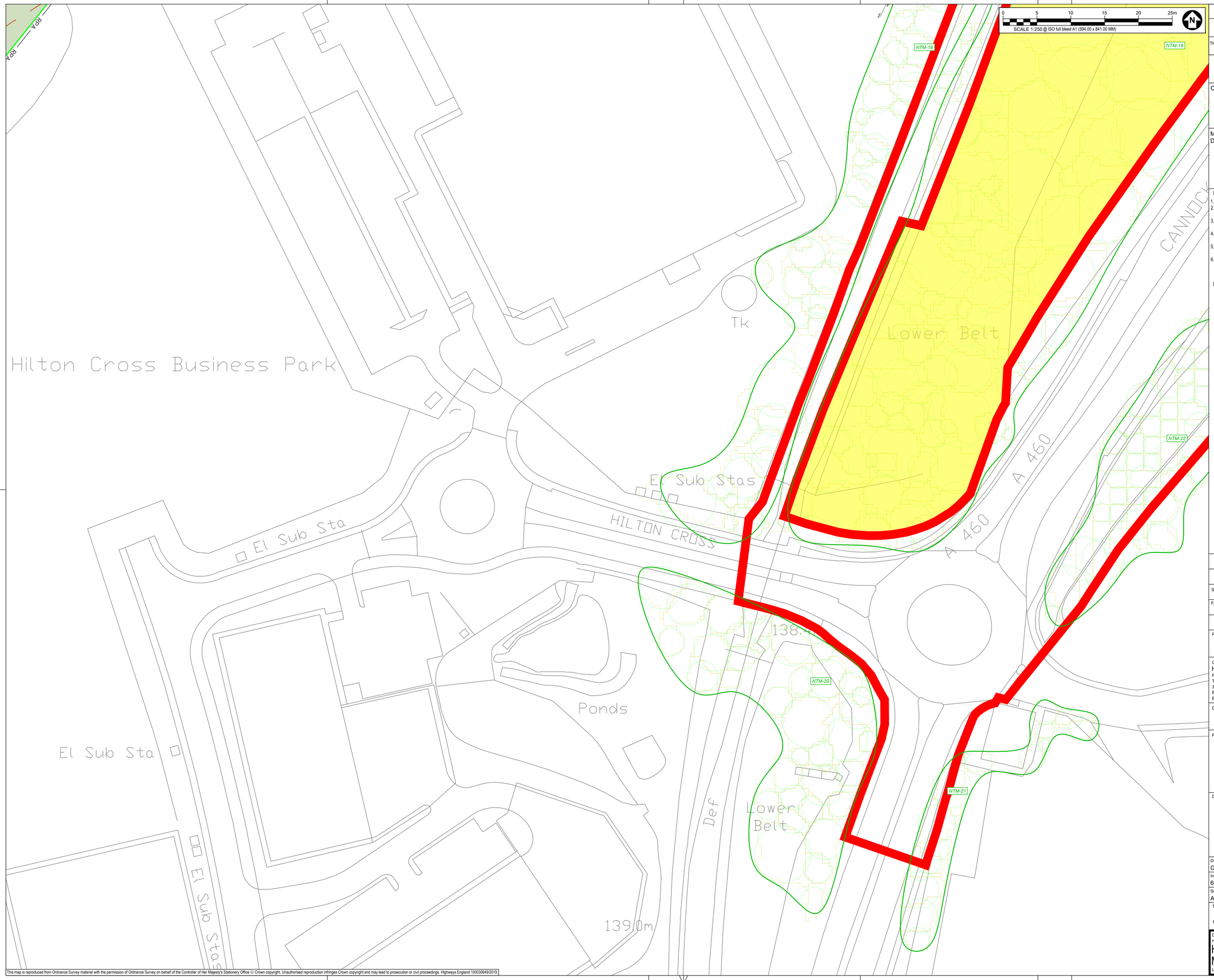

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-11
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 39 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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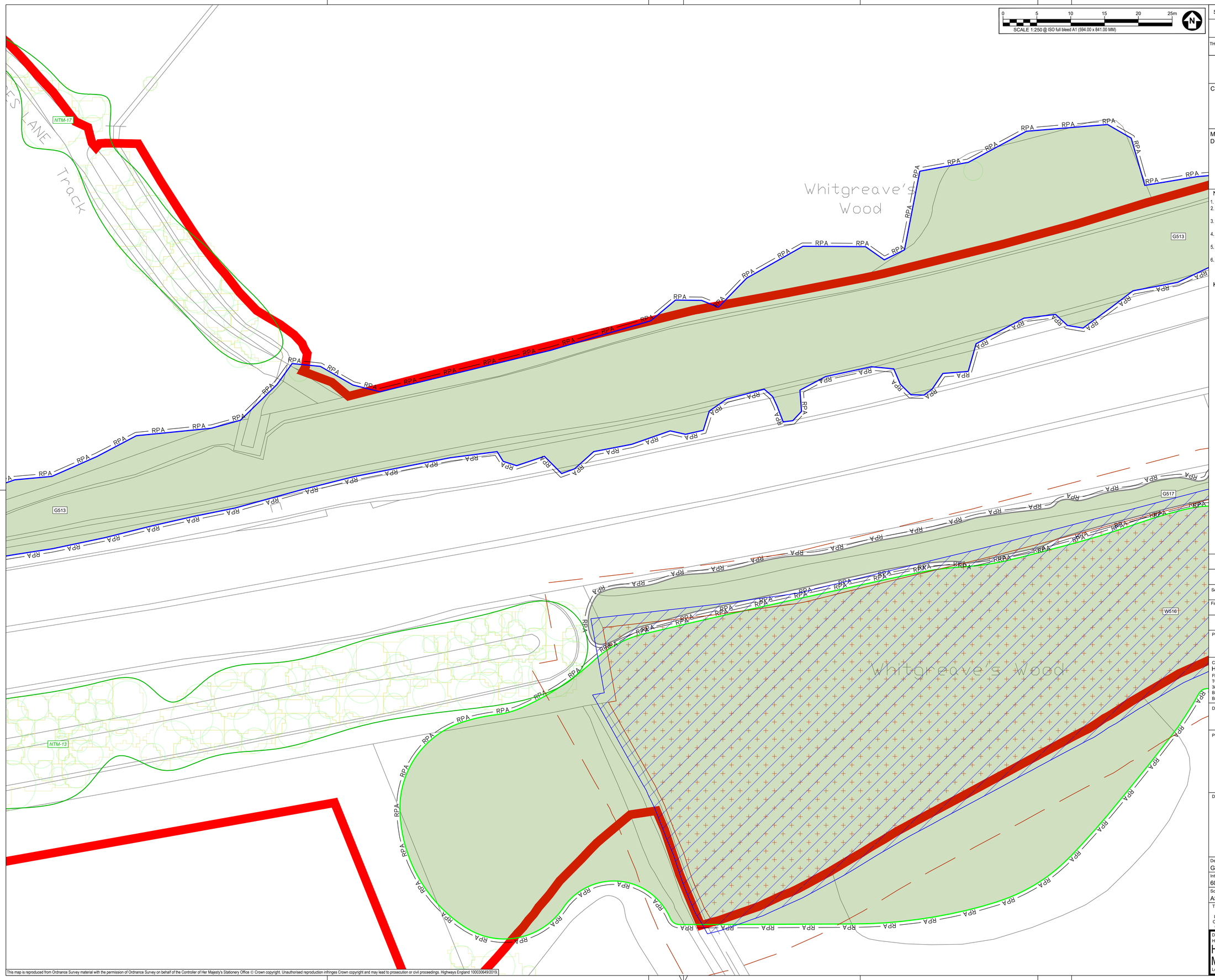
Drawing Number

Highways England PIN	Originator	Volume	Location	Type	Role	Number	Rev
HE 514465	-ACM	-ELS -	M54_SW_PR_Z	-DR-	AB-	0139	P02



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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 40 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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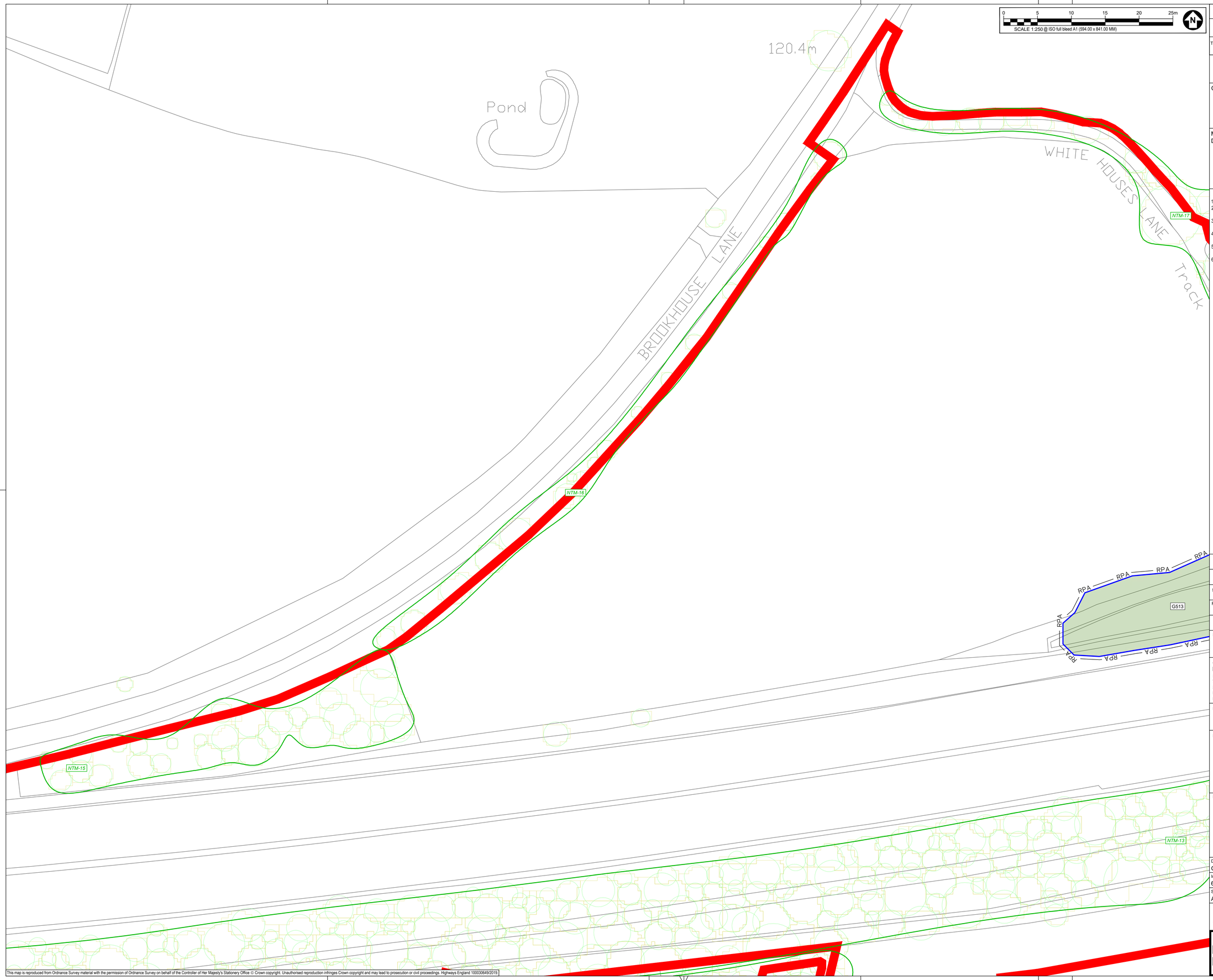
Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	-ACM	-ELS	-	P02
Location		Type	Role / Number	
M54_SW_PR_Z		-DR-AB	-0140	



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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 41 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
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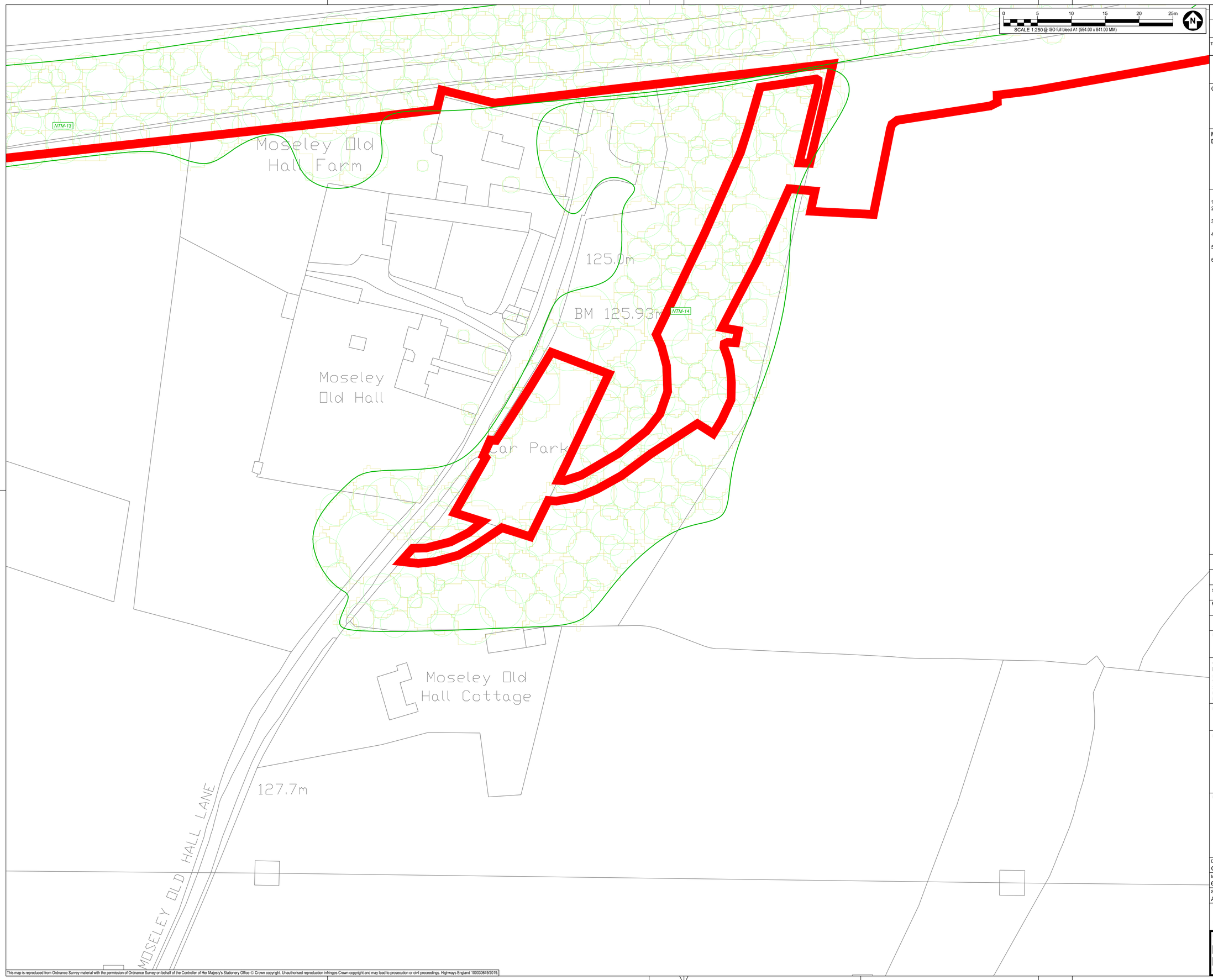

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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 42 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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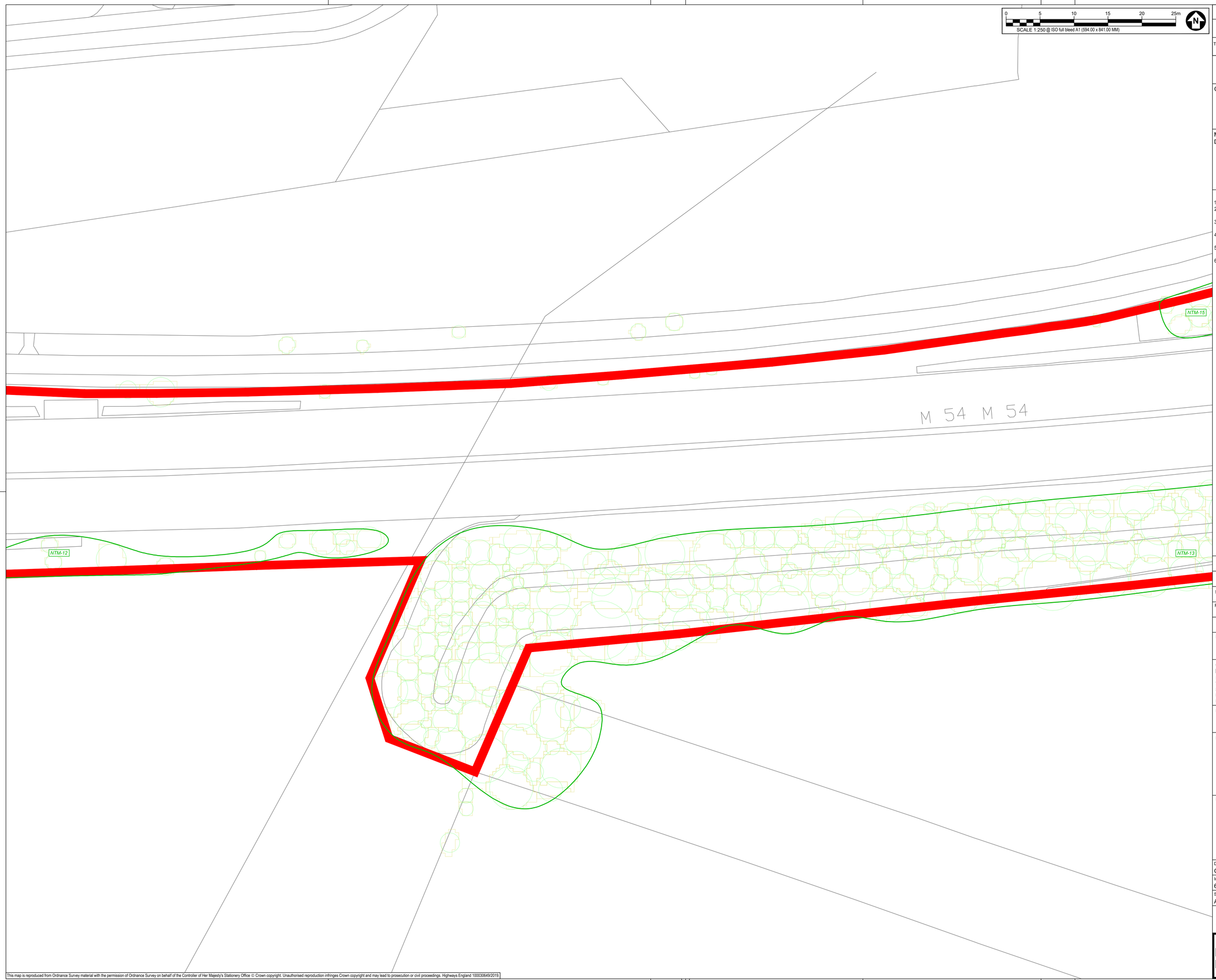
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	-ACM	-ELS -	P02
Location		-DR-AB-0142	
M54_SW_PR_Z		Type / Role / Number	



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Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 43 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR	-AB	-0143	

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- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN
SHEET 44 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	-ACM	-ELS	-	P02
M54_SW_PR_Z		-DR-AB	-0144	
Location		Type	Role Number	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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KEY

- **ORDER LIMITS**
- **A - CATEGORY TREES** *(HIGH QUALITY & VALUE)*
- **B - CATEGORY TREES** *(MODERATE QUALITY & VALUE)*
- **C - CATEGORY TREES** *(LOW QUALITY & VALUE)*
- **U - CATEGORY TREES** *(UNSUITABLE FOR RETENTION)*
- **ROOT PROTECTION AREAS (RPA)** *(AS DEFINED BY BS 5837:2012)*
- **APPROXIMATE SHADING ARC** *(AS DEFINED BY BS 5837:2012)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*
- **NTM GROUPED FEATURE** *(AS DEFINED BY AECOM)* — NTM-1
- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue: DCO APPLICATION

Client: Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number: TR010054

Project Title: M54 to M6 Link Road

Drawing Title: TREE CONSTRAINTS PLAN SHEET 45 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	**Zone**
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 -ACM -ELS -
Location: M54_SW_PR_Z
Type | Role | Number: -DR-AB-0145

Rev: P02

0 5 10 15 20 25m

SCALE 1:250 @ ISO full bleed A1 (594.00 x 841.00 MM)

NTM-5
NTM-6
NTM-7
NTM-8
M 54
Co Const Bdy
CF
Bord Const & Met Dist Bdy
Regional Control Centre
Charter Court
Trinity Court
El Sub Sta

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- **TREE PRESERVATION ORDER** *(LOW QUALITY & VALUE)*
- **ANCIENT WOODLAND** *(DASHED LINE DENOTES 15m BUFFER ZONE)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 46 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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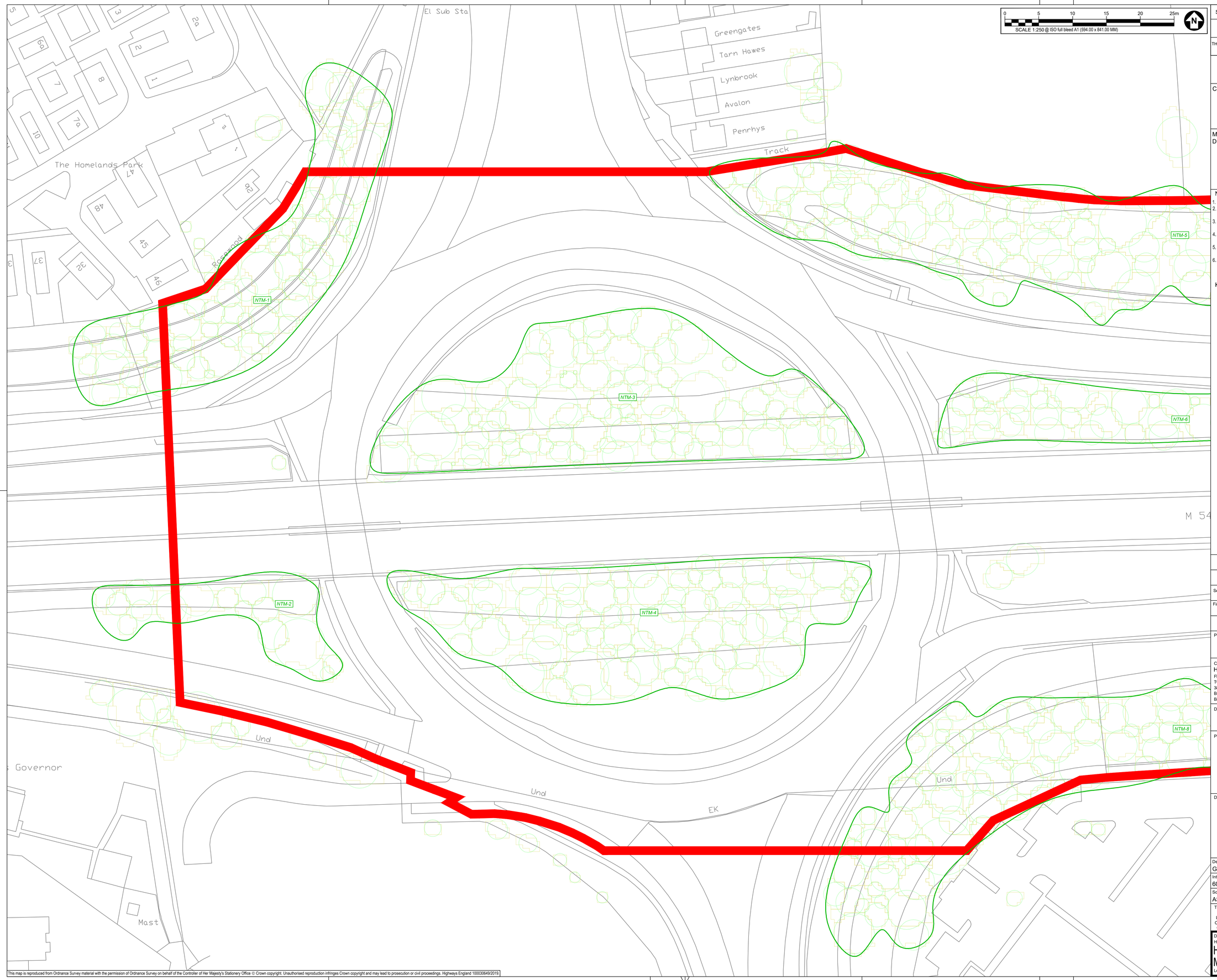
Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	-ACM	-ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		-DR-AB	-0146		



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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
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Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE CONSTRAINTS PLAN SHEET 47 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 -ACM -ELS -
M54_SW_PR_Z -DR-AB-0147
Location | Type | Role | Number

Rev: P02

Annex B: Tree Survey Schedule

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*W1**	*Common Oak (Quercus robur), Ash (Fraxinus excelsior), Common Alder (Alnus glutinosa), White Willow (Salix alba), Goat Willow (Salix caprea)*	*17*	*450*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Woodland group, predominantly ash and alder. no access to bases. Dense understory of brambles and nettles. Screening from road.*		*Remove area as shown on the TPP.*	*20+*	*B1,2*	*92*	*5.41*
*T2**	*White Willow (Salix alba)*	*14*	*350*	*2*	*6*	*9*	*2*	*6.0/S*	*4*	*Poor*	*M*	*Fair*	*No access to base. Significant dieback with large deadwood. currently overhanging a moderate usage private road and grassland.*	*Coppice (< 3 months)*	*Fell*	*10+*	*C2*	*55*	*4.18*
*T3**	*White Willow (Salix alba)*	*12*	*250*	*1*	*5*	*2*	*6*	*2.0/S*	*1*	*Poor*	*EM*	*Fair*	*No access to base. Significant dieback of main stem with large deadwood. currently overhanging an unmanaged grassland area.*	*Coppice (< 3 months)*	*Fell*	*10+*	*C2*	*28*	*2.99*
*G4**	*Common Oak (Quercus robur), Scots Pine (Pinus sylvestris)*	*15*	*400#*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*No access to bases. Surveyed at a distance from private road.*		*Remove area as shown on the TPP.*	*20+*	*B2*	*72*	*4.79*
*T5**	*Common Alder (Alnus glutinosa)*	*5*	*80*	*2.5*	*2.5*	*2.5*	*2.5*	*2.0/E*	*1.7*	*Fair*	*Y*	*Fair*	*No access to base.*		*Fell*	*10+*	*C2*	*3*	*0.98*
G6	*Common Alder (Alnus glutinosa), White Willow (Salix alba)*	*14*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Edge of pond*		*Fell*	*10+*	*C2*	*18*	*2.39*
*T7**	*White Willow (Salix alba)*	*15*	*220,230,180,200,150*	*6*	*6*	*6*	*8*	*1.0/W*		*Good*	*EM*	*Good*	*Edge of pond*		*~~Fell~~*	*20+*	*B2*	*89*	*5.32*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G8**	*White Willow (Salix alba)*	*16*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*EM-M*	*Good - Fair*	*Bases not visible. Moderate deadwood. located in a low access area.*		*Fell*	*20+*	*B2*	*55*	*4.18*
*T9**	*White Willow (Salix alba)*	*15*	*360*	*3*	*7*	*7*	*1*	*3.0/E*	*7*	*Dead*	*M*	*Dead*	*No access to base. Dead tree overhanging moderately used road.*	*Fell (< 1 month)*	*Fell*	*<10*	*U2*	*59*	*4.33*
*T10**	*Crack Willow (Salix fragilis)*	*10*	*300,200,180*	*5*	*5*	*6*	*8*	*3.0/W*	*0*	*Fair*	*EM*	*Fair*	*No access to base. Three stem from base. Several partial branch failures.*	*Remove partially failed branches. (< 3 months)*	*Fell for creation of attenuation pond.*	*10+*	*C2*	*73*	*4.82*
*T11**	*White Willow (Salix alba)*	*16*	*400*	*4*	*9*	*5*	*4*	*3.0/S*	*2*	*Fair*	*M*	*Fair*	*No access to base. Moderately sparse canopy. Central upper canopy dieback overhanging unmanaged grassland.*	*Remove dead wood Low access area. (When funds allow)*	*Fell*	*10+*	*C2*	*72*	*4.79*
*T12**	*White Willow (Salix alba)*	*10*	*200*	*4*	*5*	*5*	*3*	*3.0/S*	*2.5*	*Fair*	*SM*	*Fair*	*No access to base. Minor dieback in upper canopy.*		*Fell*	*10+*	*C2*	*18*	*2.39*
*T13**	*White Willow (Salix alba)*	*14*	*350*	*4*	*5*	*0.1*	*9*	*5.0/W*	*3*	*Fair*	*EM*	*Fair*	*No access to base. Suppressed form from adjacent tree.*		*Fell*	*10+*	*C2*	*55*	*4.18*
*T14**	*Goat Willow (Salix caprea)*	*15*	*420*	*4*	*6*	*2*	*7*	*2.0/S*	*0.5*	*Good*	*M*	*Fair*	*Two stems from 1.5m with tight compression fork union. With natural bracing.*		*Fell for creation of attenuation pond.*	*20+*	*B2*	*80*	*5.05*
*T15**	*Common Alder (Alnus glutinosa)*	*17*	*280*	*4*	*5*	*5*	*1*	*9.0/NE*	*7*	*Good*	*EM*	*Good*	*No access to base*		*Fell for creation of attenuation pond.*	*20+*	*B2*	*35*	*3.34*
*T16**	*White Willow (Salix alba)*	*16*	*400*	*8*	*4*	*4*	*7*	*8.0/N*	*7*	*Good*	*M*	*Good*	*No access to base.*		*Fell*	*20+*	*B2*	*72*	*4.79*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G17**	*Goat Willow (Salix caprea), White Willow (Salix alba), Common Alder (Alnus glutinosa)*	*12*	*190*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Limited access to bases.*		*Fell for creation of attenuation pond.*	*10+*	*C2*	*16*	*2.26*
*T18**	*White Willow (Salix alba)*	*11*	*270*	*6*	*1*	*5*	*0.1*	*3.5/S*	*2*	*Good*	*SM*	*Fair*	*No access to base.*		*Fell*	*10+*	*C2*	*33*	*3.24*
*T19**	*White Willow (Salix alba)*	*11*	*180*	*5*	*0.1*	*4*	*1*	*8.0/N*	*6*	*Good*	*SM*	*Fair*	*No access to base.*		*Fell*	*10+*	*C2*	*15*	*2.18*
*T20**	*Common Alder (Alnus glutinosa)*	*18*	*270,250, 100,250, 250,280, 400,350*	*7*	*7*	*7*	*7*	*3.0/NE*	*2*	*Good*	*M*	*Good*	*No access to bases. 8 stems from base.*		*Fell for creation of attenuation pond.*	*20+*	*B2*	*261*	*9.11*
*T21**	*Goat Willow (Salix caprea)*	*9*	*200*	*3*	*3*	*3*	*4*	*1.7/SE*	*2*	*Good*	*SM*	*Good*	*Base not visible*		*Fell*	*20+*	*C1*	*18*	*2.39*
*T22**	*Willow (Salix sp.)*	*17*	*300*	*7*	*6*	*6*	*6*	*7.0/E*		*Good*	*EM*	*Good*			*Fell for creation of attenuation pond.*	*20+*	*B2*	*41*	*3.61*
*T23**	*Sycamore (Acer pseudoplatanus)*	*11*	*300*	*5*	*2*	*5*	*5*	*2.5/S*	*0*	*Good*	*EM*	*Good*	*No access to base. Codominant stems from 2.5m. Union not visible. Upright form.*		*Fell*	*20+*	*B2*	*41*	*3.61*
G24	*Birch (Betula sp.), Hawthorn (Crataegus monogyna), Willow (Salix sp.), Sycamore (Acer pseudoplatanus)*	*12*	*230*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Min deadwood , dense under storey of brambles and nettles*		*Fell*	*20+*	*C2*	*24*	*2.76*
G25	*Common Alder (Alnus glutinosa)*	*15*	*200*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*			*Fell*	*10+*	*C2*	*18*	*2.39*
G26	*Common Alder (Alnus glutinosa), Aspen (Populus tremula), Silver Birch (Betula pendula), Common Oak (Quercus robur)*	*15*	*250*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*No access to bases. on island*		*Fell*	*10+*	*C2*	*28*	*2.99*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G27**	*Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior)*	*8*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-M*	*Good - Fair*	*No access to bases. Surveyed at a distance from private road. Predominantly an unmanaged hawthorn hedge with several self-set young ash. Provides screening from road.*		*Fell*	*10+*	*C2*	*18*	*2.39*
*G28**	*Goat Willow (Salix caprea), White Willow (Salix alba), Aspen (Populus tremula), Hawthorn (Crataegus monogyna)*	*15*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*No access to bases. Located adjacent to a stream/ditch.*		*Fell*	*20+*	*B2*	*55*	*4.18*
G29	*Goat Willow (Salix caprea)*	*10*	*250*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*By edge of pond*		*Fell*	*20+*	*B2*	*28*	*2.99*
G30 – number not used ~~*Aspen (Populus tremula), Common Oak (Quercus robur), Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus)*~~ ~~*17*~~ ~~*260*~~ ~~*See Plan*~~ ~~*n/a*~~ ~~*n/a*~~ ~~*Good - Fair*~~ ~~*SM-EM*~~ ~~*Good - Fair*~~ ~~*Mostly Aspen*~~ ~~*Fell*~~ ~~*20+*~~ ~~*B2*~~ ~~*31*~~ ~~*3.14*~~																			
G31	*Aspen (Populus tremula), Common Oak (Quercus robur), Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus)*	*17*	*260*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Mostly Aspen*		*Fell*	*20+*	*B2*	*31*	*3.14*
*T32**	*Common Alder (Alnus glutinosa)*	*8*	*200,200,100*	*3*	*3*	*3*	*3*	*1.5/S*	*0*	*Fair*	*SM*	*Fair*	*Edge of pond. moderately sparse*		*Fell*	*10+*	*C2*	*27*	*2.93*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G33	*Common Alder (Alnus glutinosa)*	*5*	*80*	*See Plan*				*n/a*	*n/a*	*Good*	*Y*	*Good*	*On the edge of pond*		*Fell*	*10+*	*C2*	*3*	*0.98*
*T34**	*White Willow (Salix alba)*	*15*	*275,280,200,330,300,270,220,250*	*7*	*7*	*7*	*7*	*1.5/S*	*2*	*Good*	*EM*	*Good*	*On the edge of the pond*		*Fell*	*20+*	*B2*	*255*	*9.01*
*G35**	*Goat Willow (Salix caprea), Common Alder (Alnus glutinosa)*	*7*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*	*No access to bases.*		*Fell*	*10+*	*C2*	*18*	*2.39*
*G36**	*Silver Birch (Betula pendula), Common Oak (Quercus robur), Hawthorn (Crataegus monogyna)*	*17*	*375*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Predominantly unmanaged oak woodland.*		*Remove area as shown on the TPP.*	*20+*	*B2*	*64*	*4.51*
T37	*Common Oak (Quercus robur)*	*18*	*390*	*6*	*5*	*4*	*6*	*8.0/N*	*9*	*Good*	*EM*	*Good*	*Moderate deadwood but in a low access woodland.*			*20+*	*B2*	*69*	*4.69*
T38	*Common Oak (Quercus robur)*	*18*	*680*	*6*	*8*	*6*	*8*	*8.0/S*	*8*	*Good*	*M*	*Good*	*Moderate deadwood but in a low access woodland.*		~~*Fell*~~	*20+*	*B1,2*	*209*	*8.16*
T39	*Common Oak (Quercus robur)*	*17*	*470*	*7*	*4*	*5*	*7*	*5.0/NW*	*4*	*Good*	*EM*	*Good*	*Moderate deadwood but in a low access woodland.*			*20+*	*B2*	*100*	*5.64*
*T40**	*Common Oak (Quercus robur)*	*18*	*625*	*7*	*9*	*8*	*9*	*8.0/SW*	*8*	*Good*	*M*	*Good*	*Large deadwood but in a low access woodland. Adjacent to ditch.*			*20+*	*B1,2*	*177*	*7.51*
*T41**	*Common Oak (Quercus robur)*	*18*	*760*	*3*	*8*	*5*	*8*	*8.0/W*	*5*	*Good*	*M*	*Good*	*Large deadwood but in a low access woodland. Stem diameter measured at 1.2m. Two stems from 1.7m with good union.*			*20+*	*B1,2*	*261*	*9.11*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T42**	*Common Oak (Quercus robur)*	*18*	*680*	*7*	*7*	*7*	*8*	*9.0/NW*	*12*	*Fair*	*M*	*Good*	*Large deadwood but in a low access woodland.*		*~~Fell~~*	*20+*	*B1,2*	*209*	*8.16*
*T43**	*Common Oak (Quercus robur)*	*18*	*675*	*5*	*9*	*7*	*7*	*10.0/SE*	*6*	*Good*	*M*	*Good*	*Large deadwood but in a low access woodland.*			*20+*	*B1,2*	*206*	*8.10*
*T44**	*Sycamore (Acer pseudoplatanus)*	*18*	*640*	*7*	*8*	*4*	*9*	*5.0/W*	*0.5*	*Good*	*M*	*Good*	*On the edge of the woodland.*		*Fell*	*20+*	*B1,2*	*185*	*7.67*
T45	*Ash (Fraxinus excelsior)*	*20*	*550*	*9*	*7*	*6*	*7*	*12.0/W*	*10*	*Good*	*M*	*Good*	*Two stems from 9m with good union.*			*20+*	*B1,2*	*137*	*6.60*
T46	*Ash (Fraxinus excelsior)*	*18*	*480*	*4*	*7*	*5*	*4*	*7.0/E*	*1.5*	*Poor*	*M*	*Poor*	*On the edge of the woodland. No access to base. Significant dieback of canopy.*	*Fell (< 1 month)*		*<10*	*U2*	*104*	*5.75*
T47	*Ash (Fraxinus excelsior)*	*20*	*535*	*7*	*8*	*5*	*7*	*10.0/W*	*7*	*Good*	*M*	*Good*	*Moderate deadwood but within low access woodland. Two stems from 7m with good union.*			*20+*	*B1,2*	*130*	*6.43*
T48	*Sycamore (Acer pseudoplatanus)*	*18*	*560*	*6*	*6*	*7*	*7*	*8.0/E*	*7*	*Fair*	*M*	*Fair*	*Moderate deadwood but within low access woodland. Moderate dieback in upper canopy. Within a low access woodland.*			*20+*	*B2*	*142*	*6.72*
T49	*Sycamore (Acer pseudoplatanus)*	*18*	*600*	*5*	*7*	*9*	*4*	*4.0/E*	*0.5*	*Poor*	*M*	*Poor*	*Large deadwood, with moderate dieback and sparsity. located on the edge of a low access woodland adjacent to a low use arable field. Large basal hollowing to north side with minimal wound wood development.*			*10+*	*C2*	*163*	*7.20*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T50	*Sycamore (Acer pseudoplatanus)*	*18*	*700*	*7*	*7*	*7*	*7*	*5.0/N*	*0*	*Good*	*M*	*Good*	*Two stems from 4m, good union.*			*20+*	*B1,2*	*222*	*8.41*
T51	*Sycamore (Acer pseudoplatanus)*	*18*	*680*	*5*	*7*	*8*	*7*	*12.0/N*	*1*	*Good*	*M*	*Good*	*Two stems from 8m, good union.*			*20+*	*B2*	*209*	*8.16*
T52	*Common Oak (Quercus robur)*	*17*	*710*	*3*	*9*	*8*	*6*	*4.0/SE*	*1*	*Good*	*M*	*Good*	*Moderate deadwood, located on edge of low access woodland adjacent to arable field.*			*20+*	*B2*	*228*	*8.52*
T53	*Sycamore (Acer pseudoplatanus)*	*18*	*340*	*4*	*4*	*2*	*4*	*15.0/N*	*2*	*Good*	*EM*	*Good*				*20+*	*B2*	*52*	*4.07*
T54	*Sycamore (Acer pseudoplatanus)*	*12*	*900*	*5*	*8.5*	*7.5*	*4*	*1.5/E*	*0*	*Good*	*OM*	*Good*	*Epicormic growth. Thick main stem forked at 3.5m. No major visible defects.*	*No action.*	*Fell*	*40+*	*B1*	*366*	*10.79*
T55	*Sycamore (Acer pseudoplatanus)*	*18*	*320*	*3*	*3*	*3*	*3*	*8.0/N*	*0*	*Fair*	*EM*	*Fair*	*Significant upper canopy dieback with large deadwood, located within low access woodland*			*<10*	*C2*	*46*	*3.83*
T56	*Sycamore (Acer pseudoplatanus)*	*18*	*425,350*	*7*	*3*	*3*	*6*	*5.0/NW*	*1*	*Good*	*M*	*Good*	*Two stems from the base, good union*			*20+*	*B2*	*137*	*6.60*
T57	*Sycamore (Acer pseudoplatanus)*	*18*	*380,415*	*7*	*4*	*3*	*5*	*9.0/N*	*7*	*Fair*	*M*	*Fair*	*Twin stem at 1.3m with ok union. Eastern stem has severe necrotic bark on lower stem and has significant upper canopy dieback with large deadwood. located within low access woodland*			*10+*	*C1,2*	*143*	*6.75*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T58	*Lime (Tilia sp.)*	*16*	*515*	*9*	*5*	*4*	*11*	*7.0/E*	*0*	*Good*	*EM*	*Good*	*Located in low access woodland, over hanging road and footpath*			*20+*	*B2*	*120*	*6.18*
T59	*Sycamore (Acer pseudoplatanus)*	*18*	*505*	*7*	*7*	*6*	*10*	*3.0/W*	*5*	*Good*	*M*	*Good*				*20+*	*B1,2*	*115*	*6.05*
T60	*Ash (Fraxinus excelsior)*	*20*	*710*	*6*	*10*	*6*	*9*	*12.0/NW*	*12*	*Fair*	*M*	*Poor*	*Large cavity on southern stem from 0.3m to 2m. Decayed, cavity at base of wound extends 0.5m down, cavity above wound extends at least 2m up. Significant wound wood (gate posts) min swelling around wound. Sound test showed significant hollowing of stem. - two stems from 2 metres with good union. SW stem has a large wound on the northern side starting 1m above union and extending 1.5m up the stem, limited visibility due to ivy but with moderate wound wood development. - Large deadwood present*	*Create monolith At 8m. (< 1 month)*	*~~Create monolith at 8m. (<1 month)~~*	*<10*	*U2*	*228*	*8.52*
T61	*Common Oak (Quercus robur)*	*16*	*630*	*9*	*6*	*2*	*9*	*8.0/W*	*3*	*Good*	*M*	*Good*				*20+*	*B1,2*	*180*	*7.57*
T62	*Common Oak (Quercus robur)*	*17*	*480*	*5*	*4*	*1*	*7*	*14.0/NW*	*15*	*Good*	*M*	*Good*				*20+*	*B2*	*104*	*5.75*
T63	*Lime (Tilia sp.)*	*18*	*450,400*	*7*	*5*	*5*	*8*	*7.0/S*	*0*	*Good*	*M*	*Good*	*2 stems from base with fair union*		*Fell*	*20+*	*B1,2*	*179*	*7.55*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T64	*Common Oak (Quercus robur)*	*9*	*540*	*5.5*	*5.5*	*6.5*	*6.5*	*1.5/E*	*0*	*Good*	*M*	*Good*	*Single stem with an even canopy. Low spreading crown. Minor deadwood.*	*No action.*		*40+*	*B1*	*132*	*6.48*
T65	*Common Oak (Quercus robur)*	*14*	*840*	*6*	*8*	*6*	*6*	*3.0/E*	*0.5*	*Good*	*M*	*Good - Fair*	*Thick single stem forking at 2m into two large limbs. Some stubs and deadwood throughout. Good even canopy working as an individual tree.*	*No action.*		*40+*	*B1*	*319*	*10.08*
T66	*Common Oak (Quercus robur)*	*17*	*620*	*7*	*3*	*9*	*6*	*7.0/E*	*2*	*Fair*	*M*	*Fair*	*Located within low access woodland, multiple recent large limb failures including one large hung up branch*	*Remove hung up branches (< 12 months)*	*Fell*	*20+*	*B2*	*174*	*7.44*
T67	*Sycamore (Acer pseudoplatanus)*	*10*	*510*	*6.5*	*0*	*3*	*0*		*0.5*	*Good*	*M*	*Good - Fair*	*Single stem with ivy. Slightly one-sided. No major visible defects.*	*No action.*		*20+*	*C1*	*118*	*6.13*
T68	*Common Oak (Quercus robur)*	*14*	*870*	*8*	*6*	*7.5*	*5*	*4.0/E*	*0.5*	*Good*	*M*	*Good - Fair*	*Thick single stem. Forked at 4m producing 4 large limbs. Significant dieback to SW stem. Column of decay from ground level to 2m on SW of stem with good woundwood. Some significant deadwood throughout.*	*Deadwood if target.*		*40+*	*B1*	*342*	*10.43*
G69	*Cypress (Chamaecyparis sp.), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa), Common Oak (Quercus robur)*	*8*	*100*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-EM*	*Fair*			*Remove section as shown on the TPP, if necessary for construction access,*	*20+*	*C2*	*5*	*1.26*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T70	*Common Oak (Quercus robur)*	*18*	*1090*	*7*	*6*	*4*	*6.5*	*0.5/E , 0.5/N , 0.5/S , 0.5/W*	*0.5*	*Good*	*OM*	*Good - Fair*	*Thick bole forked at 4m producing 2 large limbs. Some ripped wounds and significant stubs. Dense lower canopy. Ash under canopy.*	*No action,*		*40+*	*B1,2*	*538*	*13.09*
T71	*Common Lime (Tilia X europaea)*	*20*	*380,370,370,370,370*	*4*	*8*	*4*	*5*		*0*	*Good*	*M*	*Fair*	*Small multi-stemmed lime under canopy of little value. Multi-stemmed at base with tight unions and included bark between stems. Ivy around base Appears to have lost 1-2 stems towards the west with good woundwood.*	*No action.*		*20+*	*B1,2*	*313*	*9.98*
T72	*Common Oak (Quercus robur)*	*18*	*650*	*7*	*8*	*7*	*10*	*12.0/S*	*1*	*Good*	*M*	*Good*	*Large basal wound north side of tree with good wound wood development sounded normal. large deadwood but within low access woodland*		*Fell*	*20+*	*B1,2*	*191*	*7.80*
T73	*Common Oak (Quercus robur)*	*12*	*670*	*7*	*6*	*5*	*6*	*3.5/NE , 3.5/SW*	*1*	*Good*	*M*	*Fair*	*Thick stem with dense ivy. Forked at 3m. Canopy biased to north.*	*No action.*		*20+*	*B1*	*203*	*8.04*
G74	*Sycamore (Acer pseudoplatanus), Common Alder (Alnus glutinosa)*	*16*	*340*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Limited access to bases*		*Fell*	*20+*	*B2*	*52*	*4.07*
T75	*Common Oak (Quercus robur)*	*20*	*885*	*8*	*7*	*8*	*11*	*6.0/SW*	*7*	*Good*	*M*	*Good*	*Large deadwood but within low access woodland. large wound on eastern side at base of stem with good wound wood development, sounded normal. - smaller basal wound between buttresses on northern side. white fruiting bodies present (representative of chicken of the woods).*		*Fell*	*20+*	*B1,2*	*354*	*10.61*
G76	*Common Oak (Quercus robur), Hawthorn (Crataegus monogyna)*	*15*	*500*	*See Plan*				*n/a*	*n/a*	*Good*	*M*	*Fair*	*A row of three single stemmed oak with a small haw and elder along line of ditch.*			*40+*	*B1,2*	*113*	*6.00*

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				N	S	E	W												
T77	*Common Oak (Quercus robur)*	*18*	*680*	*5*	*9*	*5*	*11*	*7.0/W*	*14*	*Good*	*M*	*Good*	*Large deadwood but located within low access woodland*		*Fell*	*20+*	*B1,2*	*209*	*8.16*
T78	*Common Oak (Quercus robur)*	*18*	*560*	*7*	*3*	*5*	*11*	*6.0/W*	*11*	*Fair*	*M*	*Good*	*Sparse canopy*		*Fell*	*20+*	*B2*	*142*	*6.72*
T79	*Common Oak (Quercus robur)*	*19*	*750*	*8*	*9*	*10*	*8*	*14.0/W*	*5*	*Good*	*M*	*Good*			*Fell*	*20+*	*B1,2*	*255*	*9.01*
T80	*Common Oak (Quercus robur)*	*12*	*450*	*2*	*8*	*7*	*7*	*3.0/S , 3.0/W*	*1.5*	*Good*	*EM*	*Fair*	*Single stem with canopy starting at 2m. Slightly one-sided to south due to adjacent yew.*	*No action.*		*40+*	*B1*	*92*	*5.41*
T81	*Sycamore (Acer pseudoplatanus)*	*18*	*500,330,340*	*8*	*7*	*8*	*9*	*7.0/W*	*2*	*Good*	*M*	*Good*	*Three stems from base. Fair unions.*		*Fell*	*20+*	*B1,2*	*215*	*8.27*
T82	*Common Oak (Quercus robur)*	*16*	*880*	*4*	*8*	*9*	*5*	*3.0/SE*	*1.5*	*Good*	*M*	*Fair*	*East bias canopy. Thick bole. Significant limb at 3m to SE. Epicormic shoots throughout crown. Minor stubs and deadwood.*	*No action.*		*40+*	*B1*	*350*	*10.55*
T83	*Yew (Taxus baccata)*	*14*	*640*	*4*	*6*	*4*	*6*	*2.0/N , 2.0/S , 2.0/W*	*0.5*	*Good*	*M*	*Fair*	*Thick single stem with low canopy. Forked at 1m with included bark but otherwise of good shape and form with no major visible defects.*	*No action.*		*40+*	*B1*	*185*	*7.67*
T84	*Common Oak (Quercus robur)*	*23*	*850*	*6*	*10*	*8*	*7*	*3.0/E*	*2*	*Good*	*M*	*Good*	*Thick bole with south bias canopy. Small oak with 420mm DBH directly at base but deformed under the first branch.*	*No action.*	*Fell*	*40+*	*B1*	*327*	*10.20*

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				N	S	E	W												
T85	*Common Oak (Quercus robur)*	*12*	*860*	*5.5*	*6.5*	*5*	*5.5*	*2.5/S*	*1.5*	*Good*	*OM*	*Fair - Poor*	*Thick single stem with bark wounds due to grazing. Some deadwood and stubs. Large section of original canopy lost in distant past. Remaining upper crown one-sided. Vigorous epicormic shoots throughout crown.*			*20+*	*B1*	*335*	*10.33*
T86	*Beech (Fagus sylvatica)*	*22*	*820*	*10.5*	*6*	*7*	*10*	*6.0/SW*	*0.5*	*Good*	*M*	*Fair*	*Thick single stem with slightly twisted form with predominantly high canopy starting at 6m. Broad, even canopy. No major visible defects.*	*No action.*		*40+*	*B1*	*304*	*9.84*
T87	*Common Oak (Quercus robur)*	*19*	*650*	*8*	*7*	*8*	*8*	*8.0/W*	*3*	*Good*	*M*	*Good*	*Large deadwood but within low access woodland.*		*Fell*	*20+*	*B1,2*	*191*	*7.80*
T88	*Common Oak (Quercus robur)*	*23*	*990*	*10*	*10*	*9*	*6*		*0.5*	*Good*	*M*	*Good*	*Thick single bole with large even canopy from 4m. Wide spreading but upright form. Deadwood in some placed. No major visible defects.*	*No action.*	*Fell*	*40+*	*B1*	*443*	*11.87*
*T89**	*Common Oak (Quercus robur)*	*15*	*900*	*4*	*7*	*9*	*4*	*4.0/E*	*1.5*	*Good*	*OM*	*Fair*	*Branch collar wound on main stem to south at 4m above ground level with woundwood to one side. Deadwood.*			*20+*	*B1*	*366*	*10.79*
T90	*Common Oak (Quercus robur)*	*19*	*640*	*8*	*8*	*7*	*7*	*9.0/E*	*1.5*	*Good*	*M*	*Good*	*Large deadwood but within low access woodland.*		*Fell*	*20+*	*B1,2*	*185*	*7.67*
T91	*Common Oak (Quercus robur)*	*23*	*700*	*9*	*6*	*1*	*8*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*8*	*Good*	*M*	*Good*	*Drawn up with a high canopy formed of upright limbs. Some deadwood and stubs.*	*No action.*	*Fell*	*40+*	*B1*	*222*	*8.41*
T92	*Common Oak (Quercus robur)*	*19*	*600*	*6*	*5*	*4*	*7*	*7.0/W*	*4*	*Good*	*M*	*Good*	*Large deadwood but within low access woodland.*		*Fell*	*20+*	*B1,2*	*163*	*7.20*

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				N	S	E	W												
G93A	*Sycamore (Acer pseudoplatanus)*	*18*	*720*	*8*	*8*	*8*	*8*	*1.0/S*	*0.5*	*Good*	*M*	*Fair*	*Two single stemmed trees forming one crown. Reasonable shape and form. No major visible defects.*			*20+*	*B1,2*	*235*	*8.65*
G93B	*Sycamore (Acer pseudoplatanus)*	*18*	*670*	*8*	*8*	*8*	*8*	*1.0/S*	*0.5*	*Good*	*M*	*Fair*	*Two single stemmed trees forming one crown. Reasonable shape and form. Some signs of dieback in upper canopy with deadwood. No other major visible defects.*			*20+*	*B1,2*	*203*	*8.04*
T94	*Beech (Fagus sylvatica)*	*19*	*625*	*8*	*6*	*7*	*6*	*7.0/N*	*1.5*	*Good*	*M*	*Good*			*Fell*	*20+*	*B1,2*	*177*	*7.51*
T95	*Sessile Oak (Quercus petraea)*	*30*	*950*	*10*	*11*	*8*	*10*	*5.0/SW*	*7*	*Good*	*M*	*Good*	*Thick single stem. Very upright and uneven form. Minor deadwood and stubs. No major visible defects.*	*No action.*	*Fell*	*40+*	*B1*	*408*	*11.40*
W96	*Yew (Taxus baccata), Sycamore (Acer pseudoplatanus), Silver Birch (Betula pendula), Common Oak (Quercus robur)*	*30*	*500*	*See Plan*				*n/a*	*n/a*	*Good*	*EM-M*	*Fair*	*Consisting mainly of large yew with little understory.*		*Fell*	*40+*	*B2*	*113*	*6.00*
T97	*Scots Pine (Pinus sylvestris)*	*16*	*790*	*0.2*	*6*	*3*	*3*	*5.0/S*	*3*	*Fair*	*M*	*Poor*	*Single stem. Snapped out at 7m with significant ripped wound leaving one limb to the south forming its crown. This is weakly attached and likely to fail.*	*Remove limb to leave 7m stick.*		*<10*	*U1*	*282*	*9.47*
T98	*Sycamore (Acer pseudoplatanus)*	*18*	*500,400*	*5*	*6*	*3*	*7*	*2.0/N*	*1.5*	*Fair*	*M*	*Poor*	*Kretzschmaria deusta found at base of stem between buttresses on north, east and west sides. Extent of decay unknown.*	*Fell (< 1 month)*	*Fell*	*<10*	*U2*	*186*	*7.69*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T99	*Sycamore (Acer pseudoplatanus)*	*16*	*350,400*	*3*	*3*	*3*	*3*		*0*	*Poor*	*EM*	*Poor*	*Ivy covered. Dead western stem. Significant dieback of canopy.*	*Fell (< 1 month)*	*Fell*	*<10*	*U2*	*128*	*6.38*
T100	*Common Oak (Quercus robur)*	*18*	*920*	*8*	*8*	*8*	*8*	*5.0/E , 5.0/N , 5.0/S , 5.0/W*	*3*	*Fair*	*M*	*Fair*	*Single stemmed tree of upright form. Deadwood and stubs. Signs of maintenance. Minor dieback. Low vigour.*		*Fell*	*20+*	*B1*	*383*	*11.04*
T101	*Common Lime (Tilia X europaea)*	*20*	*400*	*5*	*5*	*5*	*5*	*15.0/S*		*Good*	*M*	*Good*			*Fell*	*20+*	*B1,2*	*72*	*4.79*
T102	*Common Lime (Tilia X europaea)*	*20*	*500*	*6*	*3*	*6*	*4*	*0.5/N*	*0*	*Good*	*M*	*Good*			*Fell*	*20+*	*B1,2*	*113*	*6.00*
W103	*Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur)*	*25*	*450*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-M*	*Fair*				*40+*	*B1,2*	*92*	*5.41*
T104	*Common Oak (Quercus robur)*	*15*	*750*	*6*	*8*	*6.5*	*6*	*6.0/E*	*1.5*	*Good*	*M*	*Fair*	*Single stem with slight lean. Epicormic shoots and large burr on stem. Major deadwood and stubs.*			*40+*	*B1*	*255*	*9.01*
T105	*Common Oak (Quercus robur)*	*17*	*500*	*5*	*6*	*7*	*3*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*3*	*Fair*	*M*	*Fair*	*Single stem with high crown. Deadwood and stubs. No major visible defects.*			*20+*	*B1*	*113*	*6.00*
H106	*Leyland Cypress (X Cupressocyparis leylandii)*	*21*	*490*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*				*20+*	*C2*	*109*	*5.89*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T107	*Common Oak (Quercus robur)*	*18*	*650*	*6*	*2*	*3*	*7*	*4.0/W*	*3*	*Fair*	*M*	*Fair*	*Single stem. Slightly one-sided crown. Deadwood and stubs.*		*~~Fell~~*	*20+*	*B1*	*191*	*7.80*
T108	*Sycamore (Acer pseudoplatanus)*	*20*	*760*	*4*	*9*	*7.5*	*7*	*5.0/S*	*3*	*Good*	*M*	*Fair*	*Thick, single stem. Canopy slightly biased to the E. Forked at 7m. Some deadwood and stubs. No major visible defects.*			*40+*	*B1,2*	*261*	*9.11*
T109	*Common Oak (Quercus robur)*	*17*	*580*	*3*	*8*	*4*	*6*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*1.5*	*Good*	*M*	*Fair*	*Single stem with slight lean to south. Forked upper crown. Minor deadwood. No major visible defects.*			*40+*	*B1*	*152*	*6.96*
T110	*Common Oak (Quercus robur)*	*21*	*690*	*6*	*9*	*7*	*7*	*6.0/W*	*15*	*Good*	*M*	*Good*	*Large deadwood but within a low use woodland.*		*Fell*	*20+*	*B1,2*	*215*	*8.27*
T111	*Sycamore (Acer pseudoplatanus)*	*18*	*275,290,240,235,250*	*7*	*7*	*1*	*9*	*5.0/W*	*0*	*Fair*	*EM*	*Poor*	*White mycelium with black bootlaces underneath the bark around the base of the stem. Typical of honey fungus.*	*Fell (< 1 month)*	*Fell*	*<10*	*U2*	*151*	*6.93*
T112	*Sycamore (Acer pseudoplatanus)*	*14*	*185,220*	*5*	*2*	*2*	*4*	*4.0/W*	*0*	*Fair*	*SM*	*Fair*	*Moderate dieback of upper canopy.*	*Remove dead wood (< 3 months)*	*Fell*	*10+*	*C2*	*37*	*3.43*
T113	*Common Lime (Tilia X europaea)*	*22*	*480*	*7*	*7*	*5*	*8*	*10.0/N*	*0*	*Good*	*M*	*Good*			*Fell*	*20+*	*B1,2*	*104*	*5.75*
T114	*Common Oak (Quercus robur)*	*17*	*680*	*8*	*2*	*8*	*8*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*1.5*	*Good*	*M*	*Fair*	*Single stem forked at 4m. Deadwood and stubs. Sparse canopy with prolific epicormic shoots along branches.*			*20+*	*B1*	*209*	*8.16*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T115	*Common Oak (Quercus robur)*	*18*	*830*	*8*	*6*	*8*	*9*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*2*	*Good*	*M*	*Good*	*Single stem with a slight lean. Deadwood and stubs.*			*40+*	*B1*	*312*	*9.96*
T116	*Common Oak (Quercus robur)*	*20*	*1060*	*6*	*5*	*4.5*	*6*	*3.5/E*	*1.5*	*Good*	*OM*	*Poor*	*Large single stem. High, even canopy. Large cavity opening at 2-3m and similar cavity opening at 5m revealing hollow centre to stem. Notable woundwood. Stubbed original leader.*			*20+*	*B1,3*	*508*	*12.72*
T117	*Common Oak (Quercus robur)*	*18*	*520*	*4*	*5*	*3*	*7*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*2*	*Fair*	*M*	*Fair*	*Single stemmed. Deadwood throughout.*			*20+*	*B1*	*122*	*6.23*
T118	*Common Lime (Tilia X europaea)*	*22*	*430*	*6*	*5*	*5*	*3*	*15.0/N*	*0*	*Good*	*M*	*Good*	*Basal suckering limiting visibility of base.*		*~~Fell~~*	*20+*	*B1,2*	*84*	*5.17*
G119	*Common Alder (Alnus glutinosa), Sycamore (Acer pseudoplatanus), Downy Birch (Betula pubescens)*	*14*	*450*	*See Plan*				*n/a*	*n/a*	*Poor*	*EM*	*Poor*			*Fell*	*10+*	*C1*	*92*	*5.41*
T120	*Common Lime (Tilia X europaea)*	*21*	*460*	*6*	*6*	*5*	*7*	*15.0/N*	*0*	*Good*	*M*	*Good*	*Basal suckering limiting visibility of base.*		*Fell*	*20+*	*B1,2*	*96*	*5.53*
T121	*Common Oak (Quercus robur)*	*20*	*840*	*10*	*9*	*10*	*7*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*3*	*Good*	*M*	*Good*	*Large stem forked at 4m. Wide spreading crown. Deadwood throughout. No other major visible defects.*			*40+*	*B1*	*319*	*10.08*
T122	*White Poplar (Populus alba)*	*25*	*770*	*10*	*10*	*10*	*10*		*0.5*	*Good*	*M*	*Poor*	*Single stem with slight lean to NE. High canopy. 2 cankerous wounds on main stem at 4 & 5m. Large, ripped out wound at 8m to N. Potential to fail.*	*Top at 8m.*	*~~Top at 8m~~*	*<10*	*U1*	*268*	*9.24*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T123	*Common Oak (Quercus robur)*	*12*	*445*	*2*	*2*	*4*	*3*	*7.0/E*	*5*	*Good*	*M*	*Good*	*Previous main stem failure at 8m. Moderate regrowth, with moderate wound wood development.*		*~~Fell~~*	*10+*	*C2,3*	*90*	*5.35*
T124	*Common Oak (Quercus robur)*	*24*	*560*	*6*	*6*	*6*	*8*	*12.0/SW*	*8*	*Good*	*M*	*Good*	*Large deadwood but located within a low access woodland. Large basal stem wound on north east side. Good wound wood development and sounded normal.*			*20+*	*B1,2*	*142*	*6.72*
T125	*Common Oak (Quercus robur)*	*18*	*585*	*4*	*7*	*8*	*3*	*4.0/E*	*3*	*Good*	*M*	*Good*	*Large deadwood but located within a low access woodland. Adjacent to ditch.*			*20+*	*B1,2*	*155*	*7.02*
G126	*Common Alder (Alnus glutinosa)*	*8*	*250*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-M*	*Fair*				*20+*	*B2*	*28*	*2.99*
T127	*Common Oak (Quercus robur)*	*24*	*520*	*7*	*4*	*8*	*4*	*6.0/NE*	*3*	*Good*	*M*	*Good*	*Moderate deadwood but located within a low access woodland. Large basal stem wound on north east side. Good wound wood development and sounded normal.*			*20+*	*B1,2*	*122*	*6.23*
T128	*Common Oak (Quercus robur)*	*18*	*535*	*8*	*4*	*8*	*3*	*2.0/E*	*3*	*Good*	*M*	*Good*	*Moderate deadwood but located within a low access woodland. Adjacent to ditch.*			*20+*	*B1,2*	*130*	*6.43*
T129	*Common Oak (Quercus robur)*	*20*	*680*	*8*	*8*	*8*	*8*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*3*	*Good*	*M*	*Good*	*Single stemmed. High canopy with SE bias. Some deadwood. No other major visible defects. Small oak adjacent with woodpecker hole at 7m but sheltered.*			*40+*	*B1*	*209*	*8.16*
T130	*Common Oak (Quercus robur)*	*18*	*410*	*6*	*3*	*2*	*4*	*14.0/N*	*7*	*Good*	*M*	*Good*	*Moderate deadwood but located within a low access woodland.*		*Fell*	*20+*	*B2*	*76*	*4.92*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T131	*Common Oak (Quercus robur)*	*18*	*390*	*5*	*3*	*1*	*4*	*14.0/E*	*1.5*	*Good*	*M*	*Good*	*Clear liquid exudate exiting stem at 0.4m on west side. Small basal stem wound on south side. Good wound wood and sounded normal.*		*~~Fell~~*	*20+*	*B2*	*69*	*4.69*
T132	*Common Oak (Quercus robur)*	*18*	*400*	*5*	*1*	*4*	*4*	*12.0/W*	*2*	*Good*	*M*	*Good*	*Moderate deadwood but located within a low access woodland. Previous stem wound on west side at 0.2m up to 0.5m. Good wound wood development.*		*~~Fell~~*	*20+*	*B2*	*72*	*4.79*
T133	*Common Oak (Quercus robur)*	*12*	*470*	*1*	*4*	*7*	*0.2*	*4.0/E*	*0*	*Good*	*M*	*Fair*	*One-sided to the east. Bent over canopy beneath adjacent tree. Adjacent to ditch. No major visible defects.*	*No action.*		*20+*	*B1,2*	*100*	*5.64*
T134	*Common Oak (Quercus robur)*	*20*	*970*	*8*	*4*	*11*	*13*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*3*	*Good*	*M*	*Good*	*Forked at 3m. Large stem. Reasonable shape and form. Some stubs and deadwood. Wide spreading to west.*			*40+*	*B1*	*426*	*11.64*
T135	*Common Oak (Quercus robur)*	*18*	*440*	*3*	*8*	*9*	*2*	*7.0/E*	*0*	*Poor*	*M*	*Poor*	*Single stemmed. Dieback to main leader with significant deadwood.*			*<10*	*U1*	*88*	*5.29*
*T136**	*Common Oak (Quercus robur)*	*18*	*850*	*12*	*12*	*12*	*12*	*2.5/E , 2.5/N , 2.5/S , 2.5/W*	*1.5*	*Good*	*OM*	*Fair*	*Thick, single stem surrounded by dense undergrowth. Stubbed leader in upper crown. Deadwood and stubs throughout but no major visible defects.*			*40+*	*B1,2*	*327*	*10.20*
*T137**	*Small-leaved Lime (Tilia cordata)*	*16*	*1300*	*6*	*8*	*8*	*8*	*2.0/E , 2.0/N , 2.0/S , 2.0/W*	*0*	*Fair*	*V*	*Fair*	*Huge bole covered in dense epicormic growth. One main leader visible from 4m. NE leader with column of decay but good woundwood. Southern leader with similar decay pattern and good woundwood. Additional stems forming current crown. - Not possible to fully assess.*			*40+*	*A1,3*	*1195*	*19.5*
W138	*Sycamore (Acer pseudoplatanus)*	*24*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Fair*			*Remove section as shown on TPP.*	*40+*	*B2*	*41*	*3.61*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T139	*Common Oak (Quercus robur)*	*27*	*720*	*3*	*8.5*	*3*	*9*	*6.0/W*	*1*	*Good*	*M*	*Fair*	*Twisted stem. Old secondary leader stubbed at base to north side. One sided canopy to west. Deadwood throughout.*	*No action.*		*40+*	*B2*	*235*	*8.65*
*T140**	*Downy Birch (Betula pubescens)*	*20*	*500,520*	*8*	*5*	*5*	*10*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*5*	*Fair*	*OM*	*Good*	*Thick, twin-stemmed crown from a short bole with large spreading canopy. Significant epicormic growth on stem and lower canopy.*	*No action.*	*Fell*	*20+*	*B1*	*235*	*8.65*
*T141**	*Yew (Taxus baccata)*	*15*	*610*	*6*	*6*	*6*	*6*		*0.5*	*Good*	*M*	*Fair*	*Single stem with large, even canopy. Some deadwood.*	*White on bark at base?*		*40+*	*B1*	*168*	*7.31*
T142	*Sycamore (Acer pseudoplatanus)*	*15*	*1370*	*9*	*10*	*9.5*	*9*	*3.0/SE*	*2.5*	*Good*	*OM*	*Good*	*Thick single stem forked at 2.5m with 5 large limbs. Dense, evenly spread canopy. Minor deadwood and fungus on south side. Cavity at base to west with good woundwood. Seam on south side from base to 2.5m in height.*	*No action.*		*40+*	*B1,3*	*849*	*16.44*
G143	*Downy Birch (Betula pubescens), Silver Birch (Betula pendula), Goat Willow (Salix caprea), Lime (Tilia sp.)*	*16*	*500*	*See Plan*				*n/a*	*n/a*	*Good*	*EM-M*	*Fair*				*20+*	*B2*	*113*	*6.00*
T144	*Common Oak (Quercus robur)*	*17*	*620*	*2*	*4*	*1*	*9*	*7.0/W*	*0*	*Good*	*M*	*Fair*	*One-sided and bent over to the west. Minor deadwood.*	*No action.*	*~~Fell~~*	*40+*	*B2*	*174*	*7.44*
T145	*Common Oak (Quercus robur)*	*20*	*850*	*8*	*8*	*8*	*8*		*6*	*Poor*	*OM*	*Poor*	*Large, upright stem. Forked at 3.5m. Major deadwood and stubs. Originally 3 main leaders, one lost leaving wound with tear down stem. Remaining two upright leaders forming current crown. Dieback. Limited live canopy.*	*Fell or monolith*	*~~Fell or monolith~~*	*<10*	*U1*	*327*	*10.20*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T146	*Beech (Fagus sylvatica)*	*17*	*670*	*4*	*5*	*0.5*	*10*	*7.0/W*	*0*	*Poor*	*M*	*Poor*	*Canopy biased to west. Cavity at 0.6-1m above ground level with Ustulina fungus around base. Signs of dieback on east side. Potential to collapse into the road.*	*Fell (Asap)*	*~~Fell~~*	*<10*	*U1*	*203*	*8.04*
G147	*Common Alder (Alnus glutinosa), Downy Birch (Betula pubescens), Crack Willow (Salix fragilis), Common Alder (Alnus glutinosa)*	*20*	*400*	*See Plan*				*n/a*	*n/a*	*Good*	*EM-M*	*Fair*				*20+*	*B2*	*72*	*4.79*
T148	*Common Oak (Quercus robur)*	*20*	*620*	*4*	*5*	*9*	*2*	*2.5/E*	*0*	*Good*	*M*	*Good*	*Located at the edge of the ditch. One-sided canopy to the east. Reasonable shape and form. No major visible defects.*	*No action.*		*40+*	*B1,2*	*174*	*7.44*
T149	*Common Oak (Quercus robur)*	*28*	*380*	*6*	*5*	*3*	*4*	*20.0/S*	*20*	*Good*	*M*	*Fair - Poor*	*Poor height to stem ratio with a very high canopy. No value as an individual.*	*No action.*		*20+*	*C1,2*	*65*	*4.55*
W150	*Common Alder (Alnus glutinosa), Horse Chestnut (Aesculus hippocastanum), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa)*	*20*	*400*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Fair*				*20+*	*C1*	*72*	*4.79*
T151	*Common Oak (Quercus robur)*	*20*	*1090*	*6*	*4*	*10*	*2*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*6*	*Good*	*M*	*Fair*	*Single stemmed. Forked at 3.5m. Decaying rib up northern stem recently exposed due to collapse of adjacent tree. Deadwood and stubs throughout.*	*Reduce canopy on secondary stem by 40%.*		*40+*	*B1*	*538*	*13.09*
T152	*Common Alder (Alnus glutinosa)*	*30*	*770*	*3*	*6*	*4*	*2*		*8*	*Fair*	*EM*	*Poor*	*2 stems both with significant decay from ground level extending 2-3m. One stem with horizontal crack visible. Potential to fail, exposed due to adjacent tree removal.*	*Fell within 1 week.*	*Fell*	*<10*	*U1*	*268*	*9.24*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G153	Sycamore (Acer pseudoplatanus)	16	460	See Plan				n/a	n/a	Poor	EM-M	Poor		Owner to fell (Asap)	~~Fell~~	<10	U1	96	5.53
T154	Sycamore (Acer pseudoplatanus)	20	820	8	6	6	4		6	Good	M	Fair	Large single stem slightly leaning to the north. Limited canopy to the west. Presumably due to adjacent tree collapse. No major visible defects.			20+	B1	304	9.84
T155	Beech (Fagus sylvatica)	20	550,610,470,290	10	8	4	10	4.0/N , 4.0/W , 4.0/NW	3	Fair	M	Good	Unusual multiple stemmed line along ditch. The central stems with included bark to 12m. One sided canopy to west and significant deadwood and hanging branches.	Remove deadwood and hanging branches if access.		20+	B1	443	11.87
T156	Beech (Fagus sylvatica)	16	770	14	0.2	8	8	2.0/N	2	Fair	OM	Fair	Thick single stemmed tree. NW biased canopy. Growing out of bank of ditch, leaning and very one-sided. Forked at 2m along stem with 4 main limbs 3 which are crossing. Some deadwood.	No action.		20+	B1	268	9.24
T157	Ash (Fraxinus excelsior)	7	160	3.5	3.5	3.5	3.5	2.0/E , 2.0/N , 2.0/S , 2.0/W	0.5	Good	SM	Good		No action.		40+	C1	12	1.95
G158	Sycamore (Acer pseudoplatanus), Silver Birch (Betula pendula), Crack Willow (Salix fragilis)	20	300	See Plan				n/a	n/a	Good	Y-M	Fair				20+	C1,2	41	3.61
W159	Sycamore (Acer pseudoplatanus), Downy Birch (Betula pubescens), Common Alder (Alnus glutinosa), Beech (Fagus sylvatica)	30	300	See Plan				n/a	n/a	Good	SM-M	Good			Remove section as shown on TPP ~~Fell~~	40+	B1,2	41	3.61

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T160	*Sycamore (Acer pseudoplatanus)*	*14*	*800*	*7*	*7*	*6*	*4*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*20*	*Good*	*M*	*Fair*	*Thick stem with dense, mature ivy into dense crown. Canopy biased to the west.*	*Remove Ivy*	*~~Fell~~*	*20+*	*B1,2*	*290*	*9.61*
G161	*Birch (Betula sp.), Birch (Betula sp.), Goat Willow (Salix caprea), Birch (Betula sp.)*	*20*	*400*	*See Plan*				*n/a*	*n/a*	*Good*	*EM-M*	*Fair*				*20+*	*B2*	*72*	*4.79*
T162	*Horse Chestnut (Aesculus hippocastanum)*	*19*	*860*	*9*	*9*	*11*	*7*	*3.5/E*	*0.5*	*Good*	*OM*	*Fair*	*Thick bole forking at 4m into 4 large limbs. Good shape and form. No major visible defects.*	*No action.*		*20+*	*B1*	*335*	*10.33*
G163	*Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur)*	*4*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*Y*	*Fair*				*40+*	*C1,2*	*5*	*1.26*
G164	*Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna)*	*8*	*250*	*See Plan*				*n/a*	*n/a*	*Poor*	*SM-M*	*Poor*				*<10*	*U1*	*28*	*2.99*
T165	*Common Lime (Tilia X europaea)*	*14*	*700*	*5*	*5*	*7*	*7*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*0.5*	*Good*	*M*	*Good*	*Epicormic shoots covering single stem.*	*No action.*		*40+*	*B1*	*222*	*8.41*
T166	*Sycamore (Acer pseudoplatanus)*	*12*	*350*	*1*	*4*	*4*	*2.5*	*1.0/E*	*0.5*	*Good*	*M*	*Fair*	*Single stemmed but one-sided due to lime. Forked at 1.6m with some crossing branches.*	*No action,*		*20+*	*C1*	*55*	*4.18*
T167	*Common Oak (Quercus robur)*	*3*	*90*	*2*	*1*	*2.5*	*2*		*0.5*	*Good*	*Y*	*Good*		*No action.*		*40+*	*C1*	*4*	*1.13*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T168	*Ash (Fraxinus excelsior)*	*20*	*510*	*0.2*	*10*	*0.2*	*2*	*6.0/S*	*4*	*Poor*	*M*	*Poor*	*Single stemmed. Forked at 3m. Central leader dead and live leader extending to south. Decay at base with potential to fail.*	*Fell or reduce live limb by 50%*		*<10*	*U1*	*118*	*6.13*
T169	*Sycamore (Acer pseudoplatanus)*	*14*	*890*	*7*	*10*	*8*	*7.5*		*1.5*	*Fair*	*M*	*Poor*	*Thick single stem with north biased canopy. Thick bole with suckers at base. Lost original leader, leaving decaying stub.*	*No action.*		*10+*	*C1*	*358*	*10.67*
G170	*Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur), Damson (Prunus domestica)*	*4*	*90*	*See Plan*				*n/a*	*n/a*	*Fair*	*Y-SM*	*Fair*				*20+*	*C2*	*4*	*1.13*
T171	*Common Oak (Quercus robur)*	*20*	*980,810*	*9*	*9*	*8.5*	*7.5*		*1.5*	*Good*	*M*	*Fair*	*Thick twin-stemmed tree with canopy starting at 4m. Twin-stemmed from a very short bole with one stem forked again at 3.5m. Some deadwood but no major visible defects.*	*No action.*		*40+*	*B1*	*731*	*15.25*
T172	*Sycamore (Acer pseudoplatanus)*	*20*	*1090*	*7*	*7*	*6*	*6*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*4*	*Good*	*M*	*Fair*	*Thick single stem with canopy starting at 5m. Thick bole with old pruning wounds. Sucker shoots around base. No major visible defects.*	*No action.*		*20+*	*B1*	*538*	*13.09*
T173	*Common Lime (Tilia X europaea)*	*5*	*100,100,100,60*	*3*	*2.5*	*2.5*	*2.5*		*0*	*Good*	*Y*	*Fair*	*Epicormic growth. Multi-stemmed form from base. Dense canopy to ground level. Small plum adjacent of limited individual value.*	*No action.*		*40+*	*C1*	*15*	*2.18*
T174	*Common Oak (Quercus robur)*	*5*	*300*	*2*	*2*	*4.5*	*4*		*0*	*Good*	*SM*	*Fair*	*Low branch producing wide spreading crown. Poorly crown reduced in the past leaving vigorous shoots around old pruning wounds.*	*No action.*		*40+*	*C1*	*41*	*3.61*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G175A	*Sycamore (Acer pseudoplatanus)*	*20*	*730*	*See Plan*				*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*6*	*Good*	*M*	*Fair*	*3 single stemmed mature trees forming group. Deadwood and stubs. No major visible defects.*			*40+*	*B1*	*241*	*8.76*
G175B	*Sycamore (Acer pseudoplatanus)*	*20*	*640*	*See Plan*				*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*6*	*Good*	*M*	*Fair*	*3 single stemmed mature trees forming group. Deadwood and stubs. No major visible defects.*			*40+*	*B1*	*185*	*7.67*
G175C	*Sycamore (Acer pseudoplatanus)*	*20*	*710*	*See Plan*				*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*6*	*Good*	*M*	*Fair*	*3 single stemmed mature trees forming group. Deadwood and stubs. No major visible defects.*			*40+*	*B1*	*228*	*8.52*
T176	*London plane (Platanus x acerifolia)*	*14*	*470*	*4.5*	*7.5*	*6.5*	*6.5*	*3.5/S*	*0.5*	*Good*	*EM*	*Fair*	*Single stem forking at 2m into 4 limbs, not large. Canopy biased to south due to adjacent maple. Bark wound on stem at 1m with woundwood developing.*	*No action.*		*20+*	*B1*	*100*	*5.64*
G177	*Crack Willow (Salix fragilis), Common Alder (Alnus glutinosa), Sycamore (Acer pseudoplatanus), Ash (Fraxinus excelsior)*	*20*	*400*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Fair*				*40+*	*B1,2*	*72*	*4.79*
T178	*Small-leaved Lime (Tilia cordata)*	*17*	*1310*	*8*	*7*	*6.5*	*7*	*2.0/E , 2.0/N , 2.0/S , 2.0/W*	*1*	*Good*	*V*	*Good*	*Open growth tree with a thick bole with fluting around base. Doesn't have a prominent leader with a number of stems forming its upper crown. Some major deadwood.*			*40+*	*A1,2, 3*	*1213*	*19.65*
T179	*Norway Maple (Acer platanoides)*	*12*	*460*	*6.5*	*3*	*6.5*	*6.5*	*3.0/E , 3.0/N , 3.0/S , 3.0/W*	*0.5*	*Good*	*EM*	*Fair*	*Single stem. Low canopy over highway and adjacent property.*	*No action.*		*20+*	*B1*	*96*	*5.53*
T180	*Willow (Salix sp.)*	*17*	*500*	*6*	*6*	*6*	*6*		*1*	*Dead*	*M*	*Dead*	*Dead tree within woodland group.*	*Remove canopy to leave stick*		*<10*	*U1*	*113*	*6.00*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T181	*Ash (Fraxinus excelsior)*	*20*	*650*	*6*	*6*	*6*	*6*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*6*	*Fair*	*M*	*Fair*	*Single stemmed. Forked at 5m. Drawn upright form. Minor deadwood. No major visible defects.*			*20+*	*B1*	*191*	*7.80*
T182	*Small-leaved Lime (Tilia cordata)*	*17*	*1210*	*7*	*7*	*7*	*6.5*	*2.0/E , 2.0/N , 2.0/S , 2.0/W*	*1*	*Good*	*V*	*Good*	*Open grown tree with a thick bole and some epicormic shoots around base. Some bark wounds to buttresses but good woundwood. Appears to have been pollarded between 4-6m although densely swamped with epicormic shoots at this point. - One prominent leader above this point. Typical minor deadwood. Frequented by a pair of buzzards, possible nest.*			*40+*	*A1,2,3*	*1035*	*18.35*
T183	*Common Oak (Quercus robur)*	*20*	*730*	*3*	*8*	*8*	*8*	*5.0/E*	*6*	*Fair*	*M*	*Fair*	*Single stemmed with significant branch to the east at 5m. Otherwise generally high canopy. One-sided to the SE. Major deadwood. No major visible defects.*		*Fell*	*20+*	*B1*	*241*	*8.76*
G184	*Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus), Holly (Ilex aquifolium), Other*	*30*	*790*	*See Plan*				*n/a*	*n/a*	*Good*	*EM-M*	*Good*	*Dominated by more significant oak although quite a poor species mix with dense rhododendron understory.*		*Remove section as shown on TPP.~~Fell~~*	*40+*	*B1,2*	*282*	*9.47*
G185	*Sycamore (Acer pseudoplatanus), Downy Birch (Betula pubescens), Common Oak (Quercus robur), Holly (Ilex aquifolium)*	*20*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-OM~~V~~*	*Fair*				*40+*	*B1,2*	*41*	*3.61*
T186	*Sycamore (Acer pseudoplatanus)*	*14*	*550*	*1*	*4*	*4*	*4*	*0.1/S*	*2*	*Fair*	*M*	*Fair*	*Dieback of eastern lower canopy. Deadwood present. Indicative of group. Minor canopy sparseness. - Collectively of moderate value.*	*Remove dead wood (< 1 month)*		*20+*	*B2*	*137*	*6.60*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G187	*Sycamore (Acer pseudoplatanus), Hazel (Corylus avellana)*	*12*	*500*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-M*	*Good - Fair*	*No access to bases due to ditch. Minor canopy sparseness of sycamores. Hazel understory*	*Remove dead wood Deadwood within sycamore canopies. (< 1 month)*		*20+*	*B2*	*113*	*6.00*
T188	*Sycamore (Acer pseudoplatanus)*	*20*	*580*	*6*	*3.5*	*5*	*3.5*		*0.5*	*Fair*	*M*	*Fair*	*One main tree with 3 additional stems each with decay but good woundwood.*			*10+*	*C1*	*152*	*6.96*
T189	*Common Oak (Quercus robur)*	*20*	*690*	*8*	*8*	*8*	*8*	*6.0/W*	*4*	*Good*	*M*	*Good*	*Large, upright single stemmed tree. Slight south bias canopy. Good shape and form. Minor deadwood. - Stem adjacent of 380mm DBH very one sided and growing in to crown.*			*40+*	*B1*	*215*	*8.27*
T190	*Beech (Fagus sylvatica)*	*22*	*1130*	*8*	*8*	*8*	*8*	*5.0/SE*	*4*	*Fair*	*M*	*Fair*	*Thick, sound bole. Some small limb loss leaving stubs. Canopy consisting of densely clustered foliage in small patches. No major visible defects.*			*20+*	*B1*	*578*	*13.56*
T191	*Beech (Fagus sylvatica)*	*15*	*600*	*2*	*6*	*5*	*5*	*6.0/SE*	*3*	*Fair*	*M*	*Fair*	*No access to base. Dieback of eastern lower canopy. Deadwood present. Indicative of group. Minor canopy sparseness. - Collectively of moderate value.*	*Remove dead wood (< 1 month)*		*20+*	*B1,2*	*163*	*7.20*
T192	*Common Oak (Quercus robur)*	*12*	*720*	*6*	*8*	*8*	*6*	*5.0/NE*	*4*	*Good*	*M*	*Good*	*Large, single stem. Good shape and form. Major deadwood. No major visible defects.*			*40+*	*B1*	*235*	*8.65*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T193	*Yew (Taxus baccata)*	*10*	*580*	*3*	*4*	*4*	*3*	*2.0/E , 2.0/N , 2.0/S , 2.0/W*	*0*	*Good*	*M*	*Good*	*Straight, single stem with a generally even canopy. Some competition from surrounding trees.*			*40+*	*B1*	*152*	*6.96*
T194	*Beech (Fagus sylvatica)*	*15*	*650*	*6*	*4*	*6*	*6*	*5.0/NE*	*3*	*Fair*	*M*	*Fair*	*No access to base. Dieback of eastern lower canopy. Deadwood present. Indicative of group. Minor canopy sparseness. - Collectively of moderate value.*	*Remove dead wood (< 1 month)*		*20+*	*B1,2*	*191*	*7.80*
T195	*Sycamore (Acer pseudoplatanus)*	*20*	*520,520*	*1*	*6*	*4*	*4*		*0.5*	*Poor*	*M*	*Poor*	*Thick twin-stemmed tree from base. One stem has lost its canopy whilst the other is intact. Both almost dead although some live epicormic growth on lower stem. Potential failure.*	*Fell within 1 month.*		*<10*	*U1*	*245*	*8.83*
W196	*Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur), Ash (Fraxinus excelsior), Scots Pine (Pinus sylvestris)*	*30*	*450*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Good*				*40+*	*B1,2*	*92*	*5.41*
T197	*Sycamore (Acer pseudoplatanus)*	*18*	*770*	*3*	*6*	*6*	*2*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*3*	*Fair*	*M*	*Poor*	*Main stem hollow to original fork at 3m where codominant stem has been lost leaving one leader to the southeast. Poorly weighted with the potential to fail.*	*Fell*	*~~Fell~~*	*<10*	*U1*	*268*	*9.24*
T198	*Cedar (Cedrus sp.)~~Common Oak (Quercus robur)~~*	*25*	*1320*	*8*	*11*	*14*	*10*	*5.0/SE*	*4*	*Good*	*M*	*Good*	*Really good shape and form with typical deadwood but no major visible defects.*			*40+*	*A1,2*	*788*	*15.84*
T199	*Common Oak (Quercus robur)*	*16*	*500*	*7*	*5*	*4*	*6*	*8.0/N*	*8*	*Fair*	*M*	*Fair*	*No access to base. Third party tree. Asymmetrical canopy east, likely past pruning. Crown vitality normal.*			*20+*	*B1,2*	*113*	*6.00*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T200	*Scots Pine (Pinus sylvestris)*	*22*	*570*	*4*	*6*	*4*	*4*	*6.0/N*	*6*	*Good*	*M*	*Good*	*Single stemmed with high canopy. No major visible defects.*			*40+*	*B1*	*147*	*6.84*
T201	*Whitebeam (Sorbus aria)*	*18*	*600*	*3*	*4*	*2*	*6*		*6*	*Fair*	*OM*	*Poor*	*Single stemmed. Lost the majority of its crown at 2.5m with severely decaying main stem. New stem from 2m up to current height weakly attached with high potential to fail.*	*Fell on safety grounds.*		*<10*	*U1*	*163*	*7.20*
T202	*Sycamore (Acer pseudoplatanus)*	*10*	*460,440*	*5*	*6*	*6*	*6*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*2*	*Good*	*M*	*Fair*	*Large twin-stemmed tree from base. One stem forked again at 2m. Decay to base and buttress on SW side although the remaining buttresses appear sound. Minor deadwood.*			*10+*	*C1*	*183*	*7.63*
T203	*Yew (Taxus baccata)*	*10*	*570*	*4*	*5.5*	*2*	*5.5*	*2.0/E , 2.0/N , 2.0/S , 2.0/W*	*1*	*Good*	*M*	*Good*	*Single stemmed. Forked at 2m. Slightly one-sided but overall of good shape and form.*			*40+*	*B1*	*147*	*6.84*
T204	*Sycamore (Acer pseudoplatanus)*	*10*	*320,230,310*	*6*	*0.5*	*4*	*4*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*0.5*	*Good*	*M*	*Fair*	*Multi-stemmed from ground level. Canopy leaning towards the north. Some minor bark wounds.*			*20+*	*C1*	*114*	*6.02*
T205	*Sweet Chestnut (Castanea sativa)*	*18*	*500*	*5*	*5*	*5*	*5*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*3*	*Good*	*EM*	*Fair*	*Single stemmed tree of reasonable shape and form. Significant but typical deadwood. No major visible defects.*			*40+*	*B1*	*113*	*6.00*
T206	*Sycamore (Acer pseudoplatanus)*	*25*	*710*	*6*	*6*	*6*	*6*	*8.0/E , 8.0/N , 8.0/S , 8.0/W*	*1*	*Fair*	*M*	*Fair - Poor*	*Single stemmed with high, even canopy. Decay at base between buttresses but good woundwood evident. Forked at 6m approx. No obvious defects in upper crown.*			*10+*	*C1*	*18*	*2.39*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T207A	*Common Oak (Quercus robur)*	*22*	*450*	*6*	*6*	*6*	*6*		*1*	*Good*	*M*	*Good*	*Single stemmed trees mostly upright with high canopies although some one-sided and bent over towards the road. Some deadwood and stubs but no major visible defects.*			*40+*	*B1,2*	*92*	*5.41*
T207B	*Common Oak (Quercus robur)*	*22*	*520*	*8*	*8*	*8*	*8*		*1*	*Good*	*M*	*Fair*	*Single stemmed trees mostly upright with high canopies although some one-sided and bent over towards the road. Some deadwood and stubs but no major visible defects.*			*40+*	*B1,2*	*122*	*6.23*
T207C	*Common Oak (Quercus robur)*	*22*	*550*	*8*	*8*	*8*	*8*		*1*	*Good*	*M*	*Fair*	*Single stemmed trees mostly upright with high canopies although some one-sided and bent over towards the road. Some deadwood and stubs but no major visible defects.*			*40+*	*B1,2*	*137*	*6.60*
T207D	*Common Oak (Quercus robur)*	*22*	*420*	*6*	*6*	*6*	*6*		*1*	*Good*	*M*	*Fair*	*Single stemmed trees mostly upright with high canopies although some one-sided and bent over towards the road. Some deadwood and stubs but no major visible defects.*			*40+*	*B1,2*	*80*	*5.05*
T207E	*Common Oak (Quercus robur)*	*22*	*530*	*6*	*6*	*6*	*6*	*6.0/N*	*1*	*Good*	*M*	*Fair*	*Single stemmed trees mostly upright with high canopies although some one-sided and bent over towards the road. Some deadwood and stubs but no major visible defects.*			*40+*	*B1,2*	*127*	*6.36*
*T208A**	*Common Oak (Quercus robur)*	*21*	*520*	*6*	*6*	*6*	*6*	*6.0/N*	*6*	*Good*	*EM*	*Good*	*Single stemmed. Good shape and form. Some deadwood but no major visible defects.*			*40+*	*B1,2*	*122*	*6.23*
T208B	*Common Oak (Quercus robur)*	*21*	*380*	*6*	*6*	*6*	*6*	*6.0/N*	*4*	*Good*	*EM*	*Good*	*Single stemmed. Good shape and form. Some deadwood but no major visible defects.*			*40+*	*B1,2*	*65*	*4.55*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T208C	*Common Oak (Quercus robur)*	*21*	*500*	*8*	*8*	*8*	*8*	*6.0/N*	*4*	*Good*	*EM*	*Good*	*Single stemmed. Good shape and form. Some deadwood but no major visible defects.*			*40+*	*B1,2*	*113*	*6.00*
T208D	*Common Oak (Quercus robur)*	*21*	*450*	*8*	*8*	*8*	*8*	*6.0/N*	*4*	*Good*	*EM*	*Good*	*Single stemmed. Good shape and form. Some deadwood but no major visible defects.*			*40+*	*B1,2*	*92*	*5.41*
T208E	*Common Oak (Quercus robur)*	*16*	*580*	*2*	*8*	*10*	*6*	*6.0/E*	*4*	*Fair*	*EM*	*Poor*	*Single stemmed. Dieback of original leader with dead branches and column of dead bark to ground level. Reduced canopy with deadwood and stubs.*			*20+*	*B1,2*	*152*	*6.96*
T209	*Sweet Chestnut (Castanea sativa)*	*18*	*500*	*4*	*4*	*4*	*4*		*4*	*Dead*	*EM*	*Dead*	*Dead.*	*Fell*		*<10*	*U1*	*113*	*6.00*
*G210**	*Common Oak (Quercus robur), Hazel (Corylus avellana)*	*14*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*No access to bases. Crown vitality normal. Ditch east. Screening benefit. Collectively of moderate value.*			*20+*	*B2*	*72*	*4.79*
T211	*Sweet Chestnut (Castanea sativa)*	*14*	*1210*	*5*	*5*	*5*	*5*	*5.0/N*	*1*	*Fair*	*V*	*Fair - Poor*	*Veteran characteristics including epicormic growth and burrs and starting to retrench. Dieback of leader with column of dead bark running back to base with very little woundwood. Possibly struck by lightning. Significant deadwood throughout.*	*Remove deadwood to make safe only.*		*40+*	*A3*	*1035*	*18.15*
W212	*Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur), Holly (Ilex aquifolium), Scots Pine (Pinus sylvestris)*	*30*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Good*			*Fell*	*40+*	*B1,2*	*41*	*3.61*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T213	*Beech (Fagus sylvatica)*	*18*	*810*	*6.5*	*7.5*	*7*	*5.5*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*6*	*Fair*	*M*	*Fair*	*Large, clear and straight single stem with a large, even canopy. Deadwood and stubs and some signs of dieback in upper crown but not possible to fully survey. Good shape and form.*			*20+*	*B1*	*297*	*9.72*
T214	*Common Oak (Quercus robur)*	*16*	*870*	*3*	*10*	*10*	*4*	*3.0/E , 3.0/N , 3.0/S , 3.0/W*	*0.5*	*Good*	*V*	*Good*	*Thick bole located on the edge of the ditch with epicormic growth and burr development. Forked at 3m with twisted branch structure forming a relatively low and wide spreading crown. Typical deadwood and stubs.*			*40+*	*A1,2, 3*	*535*	*13.05*
T215	*Ash (Fraxinus excelsior)*	*18*	*650*	*7*	*5*	*7*	*7*	*6.0/E*	*3*	*Fair*	*M*	*Fair*	*No access to base, ditch east. Minor canopy sparseness, Minor deadwood present, Tear out wounds present with woundwood present, minor wood dysfunction visible at site of woundwood. - Moderate value.*			*20+*	*B2*	*191*	*7.80*
W216	*Yew (Taxus baccata), Holly (Ilex aquifolium), Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus)*	*10*	*250*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-~~V~~EM*	*Fair*				*40+*	*B1,2, 3*	*28*	*2.99*
T217	*Beech (Fagus sylvatica)*	*25*	*1130*	*10.5*	*10*	*10*	*10*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*1*	*Good*	*OM*	*Fair*	*Thick bole forked into 2 main sections at 2m with 300mm of included bark to the west but none to the east. Unusually formed low limbs to east. Structurally benefitting from surrounding trees.*			*40+*	*B1,2*	*578*	*13.56*
T218	*Beech (Fagus sylvatica)*	*16*	*840*	*6.5*	*6.5*	*6.5*	*6.5*	*4.0/S*	*1*	*Good*	*M*	*Good*	*Single stem with even canopy. Reasonable shape and form. Not fully surveyed due to undergrowth. Some deadwood but no major visible defects.*			*40+*	*B1*	*319*	*10.08*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T219	*Beech (Fagus sylvatica)*	*16*	*700*	*14*	*14*	*6*	*6*	*4.0/S*	*1*	*Fair*	*M*	*Fair*	*Growing out of the edge of the ditch. One-sided canopy to the south. Dense ivy in canopy. Low spreading crown. Deadwood and stubs. Not fully surveyed due to ivy.*			*40+*	*B1*	*222*	*8.41*
T220	*Common Oak (Quercus robur)*	*20*	*930*	*3*	*10.5*	*8*	*6*	*4.0/S*	*2*	*Good*	*OM*	*Good*	*Large, single stem with slightly twisted form. Full canopy with some deadwood and stubs. Epicormic growth on lower stem. No major visible defects.*			*40+*	*B1*	*391*	*11.16*
T221	*Sweet Chestnut (Castanea sativa)*	*16*	*1030*	*5*	*5*	*5*	*5*	*2.5/W*	*1*	*Fair*	*V*	*Fair - Poor*	*Dieback of original leader with bark loss to base around a third of the stem. Vigorous younger branch from 2.5m to west. Deadwood and stubs in upper canopy.*			*40+*	*A3*	*750*	*15.45*
T222	*Beech (Fagus sylvatica)*	*18*	*870*	*8*	*11*	*6*	*6*		*2*	*Poor*	*OM*	*Poor*	*Thick single stem leaning to the SE with fungal fruiting bodies extending up NW side from 0.5m - 4m minimum. Likely stem failure. Lost southern section leaving decaying stub.*	*Fell*		*<10*	*U1,3*	*342*	*10.43*
T223	*Common Oak (Quercus robur)*	*20*	*680*	*4*	*6*	*6*	*5*	*8.0/W*	*2*	*Good*	*M*	*Good*	*Large, single stem with an upright form. High canopy. Some deadwood and stubs. No major visible defects.*			*40+*	*B1*	*209*	*8.16*
T224	*Common Oak (Quercus robur)*	*20*	*680*	*2*	*8*	*14*	*1*	*6.0/S*	*2*	*Good*	*M*	*Good*	*Single stem with high canopy biased to the SE. Major stubs and deadwood. No major visible defects. Not fully surveyed.*			*40+*	*B1*	*209*	*8.16*
T225	*Sycamore (Acer pseudoplatanus)*	*20*	*530*	*4*	*4*	*4*	*4*		*4*	*Fair*	*M*	*Poor*	*Significant decay at base and buttresses with lean towards the main road.*	*Fell within 1 week on safety grounds.*		*<10*	*U1*	*127*	*6.36*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T226	*Ash (Fraxinus excelsior)*	*27*	*1210*	*6*	*14*	*10*	*12*	*4.0/S*	*2*	*Fair*	*OM*	*Fair*	*Huge bole with large primary limbs at 3.5m to the south. Inonotus hispidus fungal fruiting body on main stem with sunken patch extending above at woodpecker hole. Typical deadwood and stubs with minor branch loss throughout. - Worthy of retention due to significant size.*	*Management options to be considered if access within falling distance.*		*20+*	*B1,3*	*662*	*14.52*
T227	*Common Lime (Tilia X europaea)*	*14*	*1000*	*6*	*6*	*6*	*6*		*2*	*Fair*	*V*	*Poor*	*Original stem is severely decaying with virtually no canopy although new suckers are establishing and forming its current crown. High ecological value.*			*40+*	*A3*	*706*	*15*
*G228**	*Common Oak (Quercus robur), Hazel (Corylus avellana), Common Alder (Alnus glutinosa), Ash (Fraxinus excelsior)*	*15*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Dead*	*Y-EM*	*Good - Dead*	*No access to bases. Crown vitality normal. Ditch east. Screening benefit. Collectively of moderate value. Alder dominant with ash and sycamore forming climax overstory in patchy areas. Hawthorn and elder present as understory. - Two dead semi mature stems present.*	*Fell dead stems. (< 3 months)*		*20+*	*B2*	*72*	*4.79*
T229	*Common Lime (Tilia X europaea)*	*30*	*370,230,470,270*	*4.5*	*5*	*4.5*	*4.5*	*6.0/E , 6.0/N , 6.0/S , 6.0/W*	*2*	*Good*	*M*	*Fair*	*Two main stems from base, both forked again. Both with tight unions and included bark with secondary stems. Minor deadwood throughout. Smaller lime behind forming one canopy.*			*40+*	*B1*	*219*	*8.35*
T230	*Horse Chestnut (Aesculus hippocastanum)*	*20*	*880*	*5.5*	*5.5*	*5.5*	*8*	*4.0/W*	*3*	*Good*	*M*	*Fair*	*Single stem with even canopy. Generally small limbs. Some stubs and deadwood but no major visible defects. Dead, birch stem to south. No canopy. Some ecological value.*			*20+*	*B1*	*350*	*10.55*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T231	*Common Oak (Quercus robur)*	*18*	*800*	*2*	*10*	*4*	*8*	*6.0/W*	*2*	*Fair*	*OM*	*Fair*	*Bent stem from 1m towards west. Twisted canopy. Stem to north have been stubbed. Deadwood.*			*40+*	*B1*	*290*	*9.61*
G232	*Sycamore (Acer pseudoplatanus), Holly (Ilex aquifolium), Yew (Taxus baccata), Common Oak (Quercus robur)*	*25*	*400*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Good*			*Remove section as shown on TPP~~Fell~~*	*40+*	*B1,2*	*72*	*4.79*
T233	*Sweet Chestnut (Castanea sativa)*	*25*	*1130*	*7*	*7*	*7*	*7*	*8.0/W*	*2*	*Good*	*OM*	*Good*	*Single stem with high canopy. Reasonable shape and form. No major visible defects. Some deadwood and stubs. Not fully surveyed due to dense holly.*			*40+*	*A1*	*578*	*13.56*
*G234**	*Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna)*	*15*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-M*	*Good - Fair*	*Mixed wooded group of collective moderate quality. Hawthorn understory roadside.*		*Fell*	*20+*	*B1,2*	*72*	*4.79*
T235	*Red Oak (Quercus rubra)*	*9*	*400*	*3*	*3*	*3*	*3*	*4.0/E*	*3*	*Poor*	*M*	*Poor*	*No access to base, ditch east. Topped.*			*<10*	*U2*	*72*	*4.79*
G236	*Blackthorn (Prunus spinosa), Hawthorn (Crataegus monogyna)*	*200*	*7*	*See Plan*				*n/a*	*n/a*	*Fair*	*EM*	*Fair*				*10+*	*C2*	*0*	*0.00*
T237#	*Atlantic Cedar (Blue) (Cedrus libani atlantica 'Glauca')*	*22*	*750*	*10*	*8*	*8*	*8*		*8*	*Fair*	*M*	*Fair*	*Single stemmed. Good shape and form. Appears to have sparse canopy. Slight deadwood in lower crown. One snapped and hanging branch in upper crown.*	*Remove deadwood and hanging branch.*	*Fell*	*20+*	*B1*	*255*	*9.01*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T238**	*Other*	*10*	*350*	*1*	*1*	*1*	*1*		*0*	*Dead*	*EM*	*Dead*	*Dead.*	*Fell (< 1 month)*		*<10*	*U2*	*55*	*4.18*
T239	*Sycamore (Acer pseudoplatanus)*	*14*	*470,320*	*3*	*3*	*3*	*3*	*0.1/S*	*2.5*	*Fair*	*EM*	*Fair*	*Codominant stem, upright form, cracking of bark with woundwood formation underneath. - Collectively of moderate value.*		*Fell*	*20+*	*B2*	*146*	*6.82*
G240	*Hawthorn (Crataegus monogyna), Holly (Ilex aquifolium)*	*7*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*			*Fell*	*20+*	*C2*	*5*	*1.26*
*T241**	*Indian Horse Chestnut (Aesculus indica)*	*15*	*600,690,620,350*	*7*	*7*	*7*	*7*	*2.0/S*	*2*	*Good*	*M*	*Poor*	*4 stems arising from stool. Smallest stem completely girdled with severe decay. Sounding test undertaken on remaining stems. Wood density normal. Wounds with good woundwood formation. - Habitat value.*	*Fell girdled stem. (Asap)*		*10+*	*C2*	*608*	*13.91*
T242	*Common Oak (Quercus robur)*	*10*	*270*	*4*	*3*	*3*	*4*	*4.0/W*	*4*	*Fair*	*EM*	*Fair*			*Fell*	*20+*	*C2*	*33*	*3.24*
T243	*Hawthorn (Crataegus monogyna)*	*4*	*300*	*3*	*3*	*3*	*2*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*41*	*3.61*
*T244**	*Other*	*15*	*765*	*3*	*7*	*6*	*6*	*4.0/S*	*0*	*Good*	*EM*	*Good*	*Asymmetrical canopy likely due to now felled neighbour. Major deadwood throughout canopy. Minor crown sparseness - Collective moderate value.*	*Remove dead wood (< 1 month)*		*20+*	*B1,2*	*265*	*9.18*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T245	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
G246	*English Elm (Ulmus procera)*	*7*	*120*	*See Plan*				*n/a*	*n/a*	*Fair - Poor*	*SM*	*Fair - Poor*		*Fell dead elm within group.*		*<10*	*U2*	*7*	*1.49*
T247	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
T248	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
T249	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*3*	*3*	*3*	*3*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
G250	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*See Plan*				*n/a*	*n/a*	*Good*	*M*	*Good*				*10+*	*C2*	*18*	*2.39*
G251	*English Elm (Ulmus procera)*	*7*	*150*	*See Plan*				*n/a*	*n/a*	*Fair - Poor*	*SM*	*Fair - Poor*				*<10*	*C2*	*10*	*1.78*
T252	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T253	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
G254	*English Elm (Ulmus procera)*	*7*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*				*<10*	*C2*	*10*	*1.78*
*T255**	*Silver Birch (Betula pendula)*	*12*	*250*	*3.5*	*3*	*3*	*3*	*3.0/S*	*0.5*	*Good*	*EM*	*Good*	*No access to base due to ivy. Crown vitality normal. Collectively of moderate .*			*20+*	*B2*	*28*	*2.99*
T256	*Common Oak (Quercus robur)*	*9*	*540*	*6*	*6*	*5*	*6*	*1.0/W*	*1*	*Good*	*EM*	*Good*	*Minor dead wood (<50mm diameter)*			*40+*	*B2*	*132*	*6.48*
*T257**	*Sycamore (Acer pseudoplatanus)*	*12*	*420*	*1*	*1*	*1*	*1*		*0*	*Dead*	*SM*	*Dead*	*Dead stem roadside. Obscured by ivy.*	*Fell (< 1 month)*		*<10*	*U2*	*80*	*5.05*
*G258**	*Common Oak (Quercus robur), Ash (Fraxinus excelsior), Goat Willow (Salix caprea), Other*	*7*	*180*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*No access to base due to brambles, crown vitality normal.*			*10+*	*C2*	*15*	*2.18*
*T259**	*Goat Willow (Salix caprea)*	*6*	*150*	*2*	*2*	*2*	*2*		*0*	*Dead*	*SM*	*Dead*	*No access to base due to brambles.*	*Fell (< 1 month)*		*<10*	*U2*	*10*	*1.78*
G260	*Hawthorn (Crataegus monogyna)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*EM*	*Fair*				*10+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T261**	*Silver Birch (Betula pendula)*	*8*	*235*	*3*	*2*	*3*	*1*	*1.0/N*	*0.1*	*Good*	*SM*	*Good*	*Good screen for farmland.*			*20+*	*B2*	*25*	*2.82*
*G262**	*Common Oak (Quercus robur), Horse Chestnut (Aesculus hippocastanum), Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus)*	*15*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-M*	*Good - Fair*	*Crown vitality normal. Moderate value. Good species diversity. Minor contact damage to some stems with good woundwood formation.*			*20+*	*B1,2*	*72*	*4.79*
*T263**	*Silver Birch (Betula pendula)*	*7*	*250*	*4*	*3*	*2*	*2*	*2.0/N*	*0.1*	*Good*	*EM*	*Good*	*Good screen for farmland. Codominant stem at 2m with overlapping canopy.*			*20+*	*B2*	*28*	*2.99*
G264	*Hawthorn (Crataegus monogyna)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*EM*	*Fair*				*10+*	*C2*	*10*	*1.78*
G265	*Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur), Ash (Fraxinus excelsior), Holly (Ilex aquifolium)*	*15*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Dead*	*Y-M*	*Good - Dead*	*Dead wood >100mm diameter - Several dead trees within falling distance of the road require felling.* *Ivy*	*Fell Dead trees within falling distance of road. (< 1 month)*	*Remove section of group as shown on TPP.*	*40+*	*B2,3*	*72*	*4.79*
T266	*Hawthorn (Crataegus monogyna)*	*4*	*150*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*				*10+*	*C1*	*10*	*1.78*
*G267**	*Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus), Elm (Ulmus sp.), Silver Birch (Betula pendula)*	*14*	*250*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*No access to base due to brambles, crown vitality normal. Predominantly semimature field margin. Good screen to farmland. Ivy throughout group. - Potential habitat features from pruning wounds and mature ivy.*			*20+*	*B2*	*28*	*2.99*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G268	*English Elm (Ulmus procera)*	*6*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*				*<10*	*U2*	*10*	*1.78*
*T269**	*Ash (Fraxinus excelsior)*	*14*	*270*	*4*	*4*	*3*	*6*	*2.0/N*	*1.6*	*Fair*	*EM*	*Fair*	*Good screen for farmland. Minor canopy dieback. Western lower and middle canopy missing. No view of stem or secondary branches due to ivy and brambles. Minor dieback typical of species. - Canopy asymmetry likely from past pruning or tear out. Collectively of moderate value.*			*20+*	*B2*	*33*	*3.24*
T270	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
T271	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
T272	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*				*10+*	*C1*	*18*	*2.39*
*G273**	*Other, Sycamore (Acer pseudoplatanus), Elm (Ulmus sp.), Other*	*4*	*100*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y*	*Good - Fair*	*No access to base due to brambles, crown vitality normal. Young, likely coppiced hedgerow, unmanaged.*			*10+*	*C2*	*5*	*1.26*
T274	*Hawthorn (Crataegus monogyna)*	*4*	*150*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*				*10+*	*C1*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T275	*Hawthorn (Crataegus monogyna)*	*4*	*150*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*				*10+*	*C1*	*10*	*1.78*
*G276**	*Other, Sycamore (Acer pseudoplatanus), Elm (Ulmus sp), Other*	*12*	*250*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*	*No access to base due to brambles, crown vitality normal. Predominantly semimature field margin. Good screen to farmland. Ivy throughout group. High future potential.*			*20+*	*B2*	*28*	*2.99*
*G277**	*Damson (Prunus domestica), Sycamore (Acer pseudoplatanus), Elm (Ulmus sp), Other*	*10*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*No access to base due to brambles, crown vitality normal. elm and plum understory with sycamore overstory. Good screen to house.*			*10+*	*C2*	*18*	*2.39*
*T278**	*Elm (Ulmus sp)*	*6*	*120*	*1*	*1*	*1*	*1*		*0*	*Dead*	*Y*	*Dead*		*Fell (< 1 month)*		*<10*	*U2*	*7*	*1.49*
G279	*Holly (Ilex aquifolium), Hawthorn (Crataegus monogyna)*	*6*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*				*10+*	*C2*	*10*	*1.78*
T280	*Hawthorn (Crataegus monogyna)*	*4*	*150*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*M*	*Fair*			*Fell*	*10+*	*C1*	*10*	*1.78*
*H281**	*Western Red Cedar (Thuja plicata)*	*3*	*120*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y*	*Good - Fair*	*No access to base due to brambles. Managed hedge.*			*10+*	*C2*	*7*	*1.49*
T282	*Holly (Ilex aquifolium)*	*5*	*150*	*3*	*3*	*3*	*2*	*1.0/N*	*1*	*Good*	*M*	*Good*			*Fell*	*10+*	*C1*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T283	*Scots Pine (Pinus sylvestris)*	*14*	*400*	*3*	*3*	*4*	*2*	*7.0/N*	*6*	*Good*	*EM*	*Fair*				*20+*	*C1*	*72*	*4.79*
T284	*Beech (Fagus sylvatica)*	*20*	*900*	*6*	*6*	*6*	*6*	*6.0/W*	*10*	*Good*	*M*	*Fair*	*Dead wood >100mm diameter*			*20+*	*B2*	*366*	*10.79*
T285	*Common Oak (Quercus robur)*	*6*	*180*	*2*	*2*	*2*	*2*	*2.0/E*	*2*	*Good*	*SM*	*Good*				*20+*	*C1*	*15*	*2.18*
G286	*Holly (Ilex aquifolium), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa)*	*6*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*			*Fell*	*10+*	*C2*	*18*	*2.39*
*G287**	*Hawthorn (Crataegus monogyna)*	*2*	*100*	*See Plan*				*n/a*	*n/a*	*Fair*	*Y*	*Fair*	*Two hawthorn bushes, likely self-sown within brambles.*			*10+*	*C2*	*5*	*1.26*
T288	*Scots Pine (Pinus sylvestris)*	*12*	*410*	*3*	*3*	*3*	*3*	*4.0/W*	*2*	*Good*	*SM*	*Fair*	*Minor dead wood (<50mm diameter)*			*20+*	*C1*	*76*	*4.92*
T289	*Ash (Fraxinus excelsior)*	*17*	*620*	*4*	*6*	*5*	*5*	*5.0/E*	*4*	*Fair*	*M*	*Fair*	*Minor dead wood (<50mm diameter)*		*Fell*	*10+*	*C1*	*174*	*7.44*
G290	*Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa)*	*5*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*			*Remove section of group as shown on TPP.*	*10+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T291	*Weeping Willow (Salix x sepulcralis 'Chrysocoma')*	*14*	*510,320*	*6*	*8*	*6*	*8*	*3.0/S*	*2*	*Good*	*M*	*Fair*	*Minor dead wood (<50mm diameter)* *Hanger in crown*			*20+*	*B2*	*164*	*7.22*
T292	*Common Oak (Quercus robur)*	*4*	*260*	*3*	*3*	*3*	*3*	*1.0/S*	*2*	*Good*	*SM*	*Good*				*20+*	*C1*	*31*	*3.14*
*T293**	*Hawthorn (Crataegus monogyna)*	*2*	*100*	*1.5*	*1.5*	*1.5*	*1.5*		*1*	*Good*	*Y*	*Good*				*10+*	*C1*	*5*	*1.26*
G294	*Lawson Cypress (Chamaecyparis lawsoniana), Hawthorn (Crataegus monogyna)*	*10*	*200*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM*	*Poor*				*20+*	*C2*	*18*	*2.39*
T295	*Ash (Fraxinus excelsior)*	*11*	*440*	*3*	*3*	*3*	*3*	*3.0/E*	*2*	*Fair*	*EM*	*Fair*	*Stem cavity with good wound wood*		*Fell*	*10+*	*C1*	*88*	*5.29*
T296	*Scots Pine (Pinus sylvestris)*	*11*	*390*	*4*	*1*	*2*	*2*	*5.0/N*	*3*	*Good*	*EM*	*Good*				*20+*	*B1,2*	*69*	*4.69*
T297	*Sycamore (Acer pseudoplatanus)*	*11*	*450*	*4*	*4*	*4*	*4*	*3.0/E*	*2*	*Fair*	*EM*	*Fair*	*Bark wound with poor wound wood*		*Fell*	*10+*	*C1*	*92*	*5.41*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T298**	*Common Oak (Quercus robur)*	*15*	*920*	*6*	*6*	*6*	*6*	*3.0/S*	*0*	*Good*	*M*	*Good*	*Major deadwood over derelict land. Lower canopy north likely previously pruned for road sight line. Canopy west pruned over telegraph pole. - Remove deadwood if working space is required. Good habitat value. - High potential value.*	*Remove dead wood Remove deadwood. (< 1 month)*		*40+*	*A2*	*383*	*11.04*
G299	*Common Alder (Alnus glutinosa), Ash (Fraxinus excelsior), Hawthorn (Crataegus monogyna), Scots Pine (Pinus sylvestris)*	*12*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*Group of alders on pond bank. Middle of group scots pine dominant. - No access to bases due to ground vegetation and pond. Crown vitality normal.*			*20+*	*B1,2*	*72*	*4.79*
T300	*Common Oak (Quercus robur)*	*11*	*480*	*5*	*5*	*5*	*5*	*3.0/E*	*2*	*Poor*	*EM*	*Poor*	*Dead wood >100mm diameter* *Extensive crown dieback*		*Fell*	*<10*	*C1*	*104*	*5.75*
T301	*Scots Pine (Pinus sylvestris)*	*9*	*380*	*3*	*3*	*3*	*3*	*2.0/W*	*2*	*Fair*	*SM*	*Fair*	*Minor dead wood (<50mm diameter)*		*Fell*	*10+*	*C1*	*65*	*4.55*
*T302**	*Hawthorn (Crataegus monogyna)*	*2*	*100*	*1*	*1*	*1*	*1*		*0.1*	*Good*	*Y*	*Good*	*Self-sown on fenceline.*			*10+*	*C1*	*5*	*1.26*
T303	*Common Alder (Alnus glutinosa)*	*8*	*340*	*4*	*4*	*4*	*4*		*0.1*	*Poor*	*EM*	*Poor*	*On river bank. Viewed from opposite side of pond. Stem obscured by lower branches. - No access to base due to undergrowth and pond bank. .Crown vitality poor.*	*(When funds allow)*		*<10*	*U2*	*52*	*4.07*
T304	*Common Oak (Quercus robur)*	*15*	*940*	*7*	*6*	*7*	*7*	*2.0/E*	*1*	*Good*	*M*	*Good*				*40+*	*A2*	*400*	*11.28*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T305**	*Common Oak (Quercus robur)*	*9*	*240*	*4*	*2*	*4*	*4*	*4.0/W*	*3*	*Good*	*SM*	*Good*	*No access to base, viewed from pond edge south. Crown vitality normal. - Moderate collective value as pond edge.*	~~*Fell*~~	*Fell*	*20+*	*B2*	*26*	*2.88*
T306	*Common Alder (Alnus glutinosa)*	*11*	*360*	*2*	*2*	*4*	*2*	*2.0/E*	*0.1*	*Good*	*EM*	*Good*	*On river bank. Viewed from opposite side of pond. Stem obscured by lower branches. - No access to base due to undergrowth and pond bank. .Crown vitality good. Compression fork visible with interlocking canopy and upright form.*	~~*(When funds allow)*~~	*Fell*	*20+*	*B1,2*	*59*	*4.33*
T307	*Scots Pine (Pinus sylvestris)*	*12*	*400*	*4*	*2*	*3*	*4*	*4.0/N*	*1*	*Good*	*EM*	*Good*	*On river bank. Viewed from opposite side of pond. Stem obscured by lower branches. - No access to base due to undergrowth and pond bank. .Crown vitality good. Compression fork visible with interlocking canopy and upright form.*	~~*(When funds allow)*~~	*Fell*	*20+*	*B1,2*	*72*	*4.79*
G308	*Common Alder (Alnus glutinosa), Common Oak (Quercus robur), Hawthorn (Crataegus monogyna), Elder (Sambucus nigra)*	*12*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*Group of alders on pond bank. oak and hawthorn mix on outskirts of alder group. No access to base due to understory vegetation. Crown vitalities normal.*		*Fell*	*20+*	*B1,2*	*55*	*4.18*
T309	*Common Alder (Alnus glutinosa)*	*14*	*350,300*	*4*	*4*	*4*	*4*		*0.1*	*Poor*	*EM*	*Fair*	*Multi stemmed, on river bank. Viewed from opposite side of pond. Stem obscured by lower branches. - No access to base due to undergrowth and pond bank. .Crown vitality poor, significant crown sparseness.*	*Fell (When funds allow)*	*Fell*	*<10*	*U1*	*96*	*5.53*
G310	*Common Alder (Alnus glutinosa)*	*12*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*Group of alders on pond bank. No access to base due to understory vegetation. Crown vitalities normal.*		*Fell*	*20+*	*B1,2*	*55*	*4.18*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T311	*Crack Willow (Salix fragilis)*	*14*	*250*	*6*	*0*	*4*	*4*	*0.1/N*	*0.1*	*Good*	*SM*	*Fair*	*Multi stemmed, on river bank. Viewed from opposite side of pond. Stem obscured by lower branches. DBH indicative of size. - No access to base due to undergrowth and pond bank. .Crown vitality normal.*		*Fell*	*20+*	*C1*	*28*	*2.99*
*G312**	*Damson (Prunus domestica),*	*2*	*130*	*See Plan*				*n/a*	*n/a*	*Fair*	*Y*	*Fair*	*Two young plum trees, self-sown on field margin edge.*			*10+*	*C2*	*8*	*1.60*
T313	*Common Alder (Alnus glutinosa)*	*14*	*190,240*	*3*	*3*	*4*	*3*	*2.0/E*	*1*	*Good*	*SM*	*Good*	*Multi stemmed, on river bank. - No access to base due to undergrowth and pond bank. .Crown vitality normal.*		*Fell*	*20+*	*B1*	*42*	*3.66*
*T314**	*Common Alder (Alnus glutinosa)*	*12*	*350*	*0.5*	*4*	*1*	*1*	*0.5/S*	*0.5*	*Poor*	*EM*	*Fair*	*No access to base, viewed from pond edge south. Crown vitality poor. Minor canopy flush of lower limb south at 0.5m. - Moderate collective value as pond edge.*	*Fell if working area required. (When funds allow)*	*Fell*	*<10*	*U2*	*55*	*4.18*
T315	*Common Alder (Alnus glutinosa)*	*5*	*120,130*	*1*	*2*	*2*	*2*	*2.0/E*	*1*	*Good*	*Y*	*Good*	*Multi stemmed, on river bank. - No access to base due to undergrowth and pond bank. .Crown vitality normal.*		*Fell*	*10+*	*C1*	*14*	*2.11*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G316	*Common Alder (Alnus glutinosa),*	*10*	*200*	*See Plan*				*n/a*	*n/a*	*Dead*	*SM*	*Dead*		*Fell if working area required. Standing deadwood habitat value. (When funds allow)*	*Fell*	*<10*	*U2*	*18*	*2.39*
*T317**	*Common Oak (Quercus robur)*	*4*	*140*	*2*	*2*	*3*	*2*	*0.8/E*	*0.5*	*Good*	*Y*	*Good*	*Self-sown on fenceline.*			*10+*	*C1*	*9*	*1.69*
T318	*Common Alder (Alnus glutinosa)*	*8*	*390,350,200*	*4*	*2*	*3*	*1*	*2.0/N*	*3*	*Good*	*SM*	*Good*	*Multi stemmed, on river bank. - No access to base due to undergrowth and pond bank. .Crown vitality normal.*		*Fell*	*20+*	*B1*	*142*	*6.72*
T319	*White Willow (Salix alba)*	*8*	*150*	*3*	*3*	*3*	*3*		*0.1*	*Good*	*SM*	*Fair*	*Tear out of apical dominant limb hung up in canopy. - No access to base due to undergrowth. Crown vitality normal.*	*Remove hung up limb if working area is required. (When funds allow)*	*Fell*	*10+*	*C2*	*10*	*1.78*
*T320**	*Hawthorn (Crataegus monogyna)*	*2*	*120*	*1*	*1*	*1*	*1*		*0.1*	*Good*	*Y*	*Good*	*Self-sown on fenceline.*			*10+*	*C1*	*7*	*1.49*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T321	*White Willow (Salix alba)*	*11*	*400*	*3*	*5*	*3*	*3*	*3.0/E*	*3*	*Good*	*EM*	*Fair*	*Large wound to base south with good woundwood formation and adaptive growth.*		*Fell*	*20+*	*B1,2*	*72*	*4.79*
T322	*White Willow (Salix alba)*	*12*	*420*	*6*	*3*	*5*	*5*	*7.0/N*	*8*	*Good*	*EM*	*Good*	*Slight lean, likely due to neighbouring competition for light. Collective screening value.*		*Fell*	*20+*	*B1,2*	*80*	*5.05*
T323	*Common Alder (Alnus glutinosa)*	*14*	*400,380,180*	*4*	*4*	*5*	*5*	*3.0/E*	*4*	*Good*	*EM*	*Good*	*Multi stemmed, on river bank. - No access to base due to undergrowth. Crown vitality normal.*		*Fell*	*20+*	*B1*	*152*	*6.96*
T324	*Common Alder (Alnus glutinosa)*	*12*	*390,350,160*	*4*	*1*	*3*	*3*	*2.0/N*	*3*	*Good*	*EM*	*Good*	*Multi stemmed, on river bank. Previously crown raised over path to fishing area. - No access to base due to undergrowth. Crown vitality normal.*		*Fell*	*20+*	*B1*	*139*	*6.65*
T325	*White Willow (Salix alba)*	*12*	*350*	*1*	*4*	*5*	*3*	*5.0/E*	*6*	*Good*	*EM*	*Fair*	*Lean east due to neighbouring competition. Self-righting canopy growth. - No access to base due to undergrowth. Crown vitality normal.*		*Fell*	*20+*	*B2*	*55*	*4.18*
T326	*White Willow (Salix alba)*	*12*	*350,350*	*5*	*2*	*6*	*2*	*6.0/E*	*6*	*Good*	*EM*	*Poor*	*Lean east due to neighbouring competition. Self-righting canopy growth. Compression fork at base with minor adaptive growth. Secondary thickening will cause failure, high risk species with leaning stems. - No access to base due to undergrowth. Crown vitality normal.*	*Coppice if track area is required for work. Use/risk level of track unknown. Future failure likely. (When funds allow)*	*Fell*	*<10*	*U2*	*111*	*5.94*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G327**	*White Willow (Salix alba), Hawthorn (Crataegus monogyna), Other, Other*	*14*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*Willow overstory, typical of riparian environments. Good screen to riding school. - No access to base due to understory nettles and brambles. Crown vitality normal.*		*Fell*	*20+*	*B2*	*72*	*4.79*
*T328**	*Common Oak (Quercus robur)*	*3*	*140*	*2*	*2*	*3*	*2*	*1.0/S*	*0.1*	*Fair*	*Y*	*Good*	*Self-sown on fenceline. Powdery leaf mildew present.*			*10+*	*C1*	*9*	*1.69*
T329	*White Willow (Salix alba)*	*14*	*360,400,340*	*8*	*2*	*6*	*4*	*4.0/N*	*1*	*Good*	*EM*	*Poor*	*Lean north due to neighbouring competition. . Compression fork at base with crack visible. Small canopy gap visible. - No access to base due to undergrowth. Crown vitality normal.*	*Coppice if track area is required for work. Use/risk level of track unknown. Future failure likely. (When funds allow)*	*Fell*	*<10*	*U2*	*183*	*7.63*
G330	*Willow (Salix sp), Other, Hawthorn (Crataegus monogyna), Common Oak (Quercus robur)*	*7*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Various willows as field/riding school margin. New regrowth suggests recent coppicing. Forms minor screen for arable field.*		*~~Fell~~*	*10+*	*C2*	*10*	*1.78*
*G331**	*Willow (Salix sp), Ash (Fraxinus excelsior), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa)*	*10*	*250*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Tree mix at edge of field/riding school margin. Forms moderate screen for arable field.*		*~~Fell~~*	*10+*	*C2*	*28*	*2.99*
G332	*Elder (Sambucus nigra), Hawthorn (Crataegus monogyna)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*EM*	*Good - Fair*			*Fell*	*10+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T333	*Hawthorn (Crataegus monogyna)*	*3*	*188*	*2*	*2*	*2*	*2*	*1.0/E*	*1*	*Fair*	*EM*	*Fair*			*Fell*	*10+*	*C1*	*16*	*2.26*
T334	*Hawthorn (Crataegus monogyna)*	*3*	*140*	*1*	*1*	*2*	*2*	*1.0/E*	*1*	*Fair*	*EM*	*Fair*			*Fell*	*10+*	*C1*	*9*	*1.69*
G335	*Crab Apple (Malus sylvestris), Hawthorn (Crataegus monogyna)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Fair*			*~~Remove section as shown on TPP.~~ Fell*	*10+*	*C2*	*10*	*1.78*
G336	*Sycamore (Acer pseudoplatanus), Ash (Fraxinus excelsior), Common Oak (Quercus robur), Field Maple (Acer campestre)*	*10*	*250*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*On highway embankment. Dense planting. No major visible defects.*	*No action.*		*40+*	*B2*	*28*	*2.99*
G337	*Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior), Holly (Ilex aquifolium), Sycamore (Acer pseudoplatanus)*	*12*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-M*	*Good - Fair*				*20+*	*B2,3*	*72*	*4.79*
*T338**	*Common Oak (Quercus robur)*	*9*	*250*	*3*	*3*	*3*	*3*	*2.0/SE*	*2*	*Good*	*SM*	*Good*	*No access to base, viewed from farm field edge south. Forms tree screen to woodland edge west and willow scrub north.*			*20+*	*B2*	*28*	*2.99*
*T339**	*Common Oak (Quercus robur)*	*7*	*200*	*3*	*3*	*1*	*3*		*1*	*Good*	*SM*	*Good*	*No access to base, viewed from farm field edge south. Forms tree screen to woodland edge west and willow scrub north. - Forms complete canopy with neighbouring oak. Collectively of moderate value.*			*20+*	*B2*	*18*	*2.39*
*T340**	*Common Oak (Quercus robur)*	*7*	*200*	*4*	*4*	*4*	*4*	*2.0/NE*	*1*	*Good*	*SM*	*Good*	*No access to base, viewed from farm field edge south. Forms tree screen to woodland edge west and willow scrub north. - Moderate collective value as woodland edge, scrub edge.*			*20+*	*B2*	*18*	*2.39*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G341	*Elder (Sambucus nigra), Hawthorn (Crataegus monogyna), Common Oak (Quercus robur)*	*5*	*120*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Woodland edge scrubland, elder, brambles and bracken present also. Provides height diversity to woodland edge.*			*10+*	*C2*	*7*	*1.49*
W342	*Common Alder (Alnus glutinosa), Ash (Fraxinus excelsior), Crack Willow (Salix fragilis), Common Oak (Quercus robur)*	*20*	*400*	*See Plan*				*n/a*	*n/a*	*Fair*	*M*	*Fair*	*Over mature oak, cankerous old ash stumps, mature sycamore. Clumps of low value willow, mature alder and wet willow adjacent to wet areas and stream. Some signs of ash dieback. - One over-mature ash adjacent to the beck with significant limb loss. Unmanaged except for public footpath also little used. Fallen trees, Typical stubs and deadwood. Some over-mature alder. - generally, with dense multi-stemmed forms. Root damage from drilling rig.*	*No action.*	*Remove section as shown on TPP.*	*40+*	*B2*	*72*	*4.79*
G343	*Common Oak (Quercus robur)*	*14*	*780*	*See Plan*				*n/a*	*n/a*	*Good*	*M*	*Good*	*Two main mature oak located along the field boundary. Deadwood and stubs but no major visible defects.*	*No action.*		*40+*	*B2*	*275*	*9.36*
T344	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
G345	*Ash (Fraxinus excelsior)*	*8*	*250*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Fair*	*Include stand-alone ash further past group in hedge. Individual trees. No major visible defects.*	*No action.*	*Remove section as shown on TPP.*	*20+*	*C2*	*28*	*2.99*
G346	*Common Alder (Alnus glutinosa), Crack Willow (Salix fragilis), Hawthorn (Crataegus monogyna), Common Oak (Quercus robur)*	*9*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Woodland edge scrubland, elder, brambles and bracken present also. Provides height diversity to woodland edge.*		*Remove section as shown on TPP.*	*10+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T347	*Common Oak (Quercus robur)*	*6*	*300*	*3*	*3*	*3*	*3*	*2.0/N*	*3*	*Good*	*EM*	*Fair*				*20+*	*B2*	*41*	*3.61*
G348	*Beech (Fagus sylvatica), Hazel (Corylus avellana), Elder (Sambucus nigra), Sycamore (Acer pseudoplatanus)*	*16*	*350*	*See Plan*				*n/a*	*n/a*	*Good*	*M*	*Good*	*Small sycamore dying back, otherwise no major visible defects. - Scot's Pine, Oak*	*No action.*	*Remove section as shown on TPP.*	*40+*	*B2*	*55*	*4.18*
T349	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T350	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T351	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
G352	*Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior), Rowan (Sorbus aucuparia), Field Maple (Acer campestre)*	*6*	*200*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*	*Not surveyed. No access along motorway.*	*No action.*	*Fell.*	*20+*	*C1,2*	*18*	*2.39*
T353	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T354	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T355	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T356	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
H357	*Hawthorn (Crataegus monogyna), Elder (Sambucus nigra), Sycamore (Acer pseudoplatanus), Elm (Ulmus sp)*	*2*	*80*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*Dense hedge along carriageway with a row of elm some of which are dying back.*	*No action.*		*20+*	*C2*	*3*	*0.98*
T358	*English Elm (Ulmus procera)*	*6*	*150*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T359	*English Elm (Ulmus procera)*	*6*	*150*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T360	*English Elm (Ulmus procera)*	*6*	*150*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
G361	*Ash (Fraxinus excelsior)*	*8*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Fair*	*Not surveyed. No access along motorway.*	*No action.*	*Fell*	*20+*	*C1,2*	*10*	*1.78*
H362	*Hawthorn (Crataegus monogyna)*	*1.5*	*80*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*Dense hedge along carriageway.*	*No action.*		*20+*	*C2*	*3*	*0.98*
T363	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*	*5*	*1.26*
T364	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T365	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
T366	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T367**	*Common Oak (Quercus robur)*	*16*	*680*	*6*	*6*	*6*	*6*	*4.0/S*	*2*	*Good*	*M*	*Good*	*Woodland edge, dominant tree.*		*Fell*	*20+*	*B1*	*209*	*8.16*
T368	*English Elm (Ulmus procera)*	*6*	*100*	*2 Avg*				*2.0/N*	*3*	*Dead*	*SM*	*Dead*	*Dead*	*Fell within 3 months*		*<10*	*U1*		
*G369**	*Common Alder (Alnus glutinosa)*	*11*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Field, woodland edge, forming start of unmanaged hedgeline, collectively of moderate value.*		*Fell*	*20+*	*B2*	*55*	*4.18*
G370	*Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa), Crab Apple (Malus sylvestris)*	*10*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-M*	*Good - Fair*				*20+*	*B2,3*	*55*	*4.18*
*T371**	*Sycamore (Acer pseudoplatanus)*	*7*	*250*	*1*	*1*	*1*	*1*		*1*	*Poor*	*SM*	*Poor*	*Hedgerow tree, poor vitality. No access to base due to understory.*	*Fell (When funds allow)*	*Fell*	*<10*	*U2*	*28*	*2.99*
*T372**	*Common Oak (Quercus robur)*	*11*	*300*	*4*	*4*	*4*	*4*	*2.5/S*	*1*	*Fair*	*SM*	*Good*	*Hedgerow tree, No access to base due to understory. - Leaf vitality lower than expected, scorching with some defoliation. - Moderate value due to screening, recovery likely.*		*Fell*	*20+*	*B2*	*41*	*3.61*
T373	*Sycamore (Acer pseudoplatanus)*	*7*	*300*	*3*	*3*	*3*	*3*	*2.0/N*	*2*	*Good*	*SM*	*Good*				*20+*	*C2*	*4*	*3.61*
G374	*Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa)*	*7*	*250*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*EM*	*Good - Fair*			*Remove section as shown on TPP.*	*20+*	*C2*	*28*	*2.99*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G375	*Field Maple (Acer campestre), Common Oak (Quercus robur), Hawthorn (Crataegus monogyna)*	*10*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*Not surveyed. No access*	*No action.*	*Remove section as shown on TPP~~Fell~~*	*20+*	*B2*	*41*	*3.61*
T376	*Sycamore (Acer pseudoplatanus)*	*8*	*300*	*4*	*4*	*4*	*4*	*2.0/N*	*3*	*Good*	*SM*	*Fair*			*Fell*	*10+*	*C1*	*41*	*3.61*
G377	*Sycamore (Acer pseudoplatanus), Common Alder (Alnus glutinosa)*	*14*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*	*Ivy on*		*~~Fell~~*	*20+*	*C2*	*72*	*4.79*
*G378**	*Hawthorn (Crataegus monogyna), Hazel (Corylus avellana), Willow (Salix sp)*	*6*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Field, edge, forming unmanaged hedgeline,*		*Fell*	*10+*	*U2*	*10*	*1.78*
G379	*Field Maple (Acer campestre), Hawthorn (Crataegus monogyna)*	*10*	*200*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*	*Not surveyed. No access along motorway.*	*No action.*	*Fell*	*20+*	*B2*	*18*	*2.39*
G380	*Ash (Fraxinus excelsior), Common Alder (Alnus glutinosa), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna)*	*14*	*400*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-M*	*Good - Fair*	*Ivy*			*20+*	*B2,3*	*72*	*4.79*
G381	*Hawthorn (Crataegus monogyna), Apple (Malus sp), Rowan (Sorbus aucuparia), Goat Willow (Salix caprea)*	*4*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*Hedgerow along the field edge. Dense. No major visible defects.*	*No action.*	*Remove section as shown on TPP*	*20+*	*C2*	*5*	*1.26*
T382	*Ash (Fraxinus excelsior)*	*5*	*100*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*Y*	*Fair*				*20+*	*C1*	*5*	*1.26*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G383	*Common Alder (Alnus glutinosa), Hawthorn (Crataegus monogyna)*	*10*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*Ivy*			*10+*	*C2*	*41*	*3.61*
G384	*Common Alder (Alnus glutinosa)*	*6*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*Y*	*Good*				*20+*	*C2*	*5*	*1.26*
T385	*Common Alder (Alnus glutinosa)*	*5*	*100*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*Y*	*Fair*				*20+*	*C1*	*5*	*1.26*
*T386**	*Common Oak (Quercus robur)*	*12*	*550*	*5*	*5*	*5*	*5*	*4.0/W*	*1*	*Fair*	*M*	*Good*	*Hedgerow tree, No access to base due to understory. - Major deadwood in canopy, good future potential for habitat features.*		*Fell*	*20+*	*B2*	*137*	*6.60*
T387	*Ash (Fraxinus excelsior)*	*5*	*100*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*Y*	*Fair*				*20+*	*C1*	*5*	*1.26*
T388	*Ash (Fraxinus excelsior)*	*5*	*100*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*Y*	*Fair*				*20+*	*C1*	*5*	*1.26*
G389	*Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus)*	*14*	*600*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*	*Ivy*		*Fell*	*20+*	*B2*	*163*	*7.20*
T390	*Common Alder (Alnus glutinosa)*	*11*	*200*	*3*	*3*	*3*	*3*	*2.0/W*	*2*	*Good*	*SM*	*Good*				*20+*	*C1*	*18*	*2.39*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G391	*Sycamore (Acer pseudoplatanus)*	*17*	*500*	*See Plan*				*n/a*	*n/a*	*Fair*	*EM*	*Good*	*Foliar disorder - chlorotic leaves*			*10+*	*C2*	*113*	*6.00*
G392	*Hawthorn (Crataegus monogyna)*	*4*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*			*Remove section as shown on TPP~~Fell~~*	*20+*	*C2*	*5*	*1.26*
T393	*Ash (Fraxinus excelsior)*	*5*	*100*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Fair*	*Y*	*Fair*				*20+*	*C1*	*5*	*1.26*
G394	*Ash (Fraxinus excelsior)*	*6*	*80*	*See Plan*				*n/a*	*n/a*	*Good*	*Y*	*Good*				*20+*	*C2*	*3*	*0.98*
T395	*Common Oak (Quercus robur)*	*12*	*700*	*6*	*6*	*6*	*6*	*4.0/S*	*3*	*Fair*	*M*	*Fair*	*Dead wood >100mm diameter* *Die back in crown*			*20+*	*B2*	*222*	*8.41*
T396	*Common Oak (Quercus robur)*	*12*	*700*	*7*	*7*	*7*	*7*	*6.0/S*	*4*	*Good*	*M*	*Fair*	*Dead wood >100mm diameter* *Limb cavity with good wound wood*			*20+*	*B2*	*222*	*8.41*
G397	*Hawthorn (Crataegus monogyna), Hazel (Corylus avellana)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*EM*	*Good*			*Fell*	*10+*	*C2*	*10*	*1.78*
G398	*Ash (Fraxinus excelsior), Field Maple (Acer campestre), Hawthorn (Crataegus monogyna), Elder (Sambucus nigra)*	*18*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*Dominated by field maple and ash with hawthorn hedge towards the field. No major visible defects.*	*No action.*	*Fell*	*40+*	*B2*	*41*	*3.61*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T399	*Sycamore (Acer pseudoplatanus)*	*11*	*360*	*4*	*4*	*4*	*4*	*2.0/W*	*1*	*Good*	*EM*	*Good*			~~*Fell*~~	*20+*	*B1*	*59*	*4.33*
G400	*Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa)*	*6*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*At end of field along highway edge. Dense. None of individual value. No major visible defects.*	*No action.*	*Fell*	*20+*	*C2*	*10*	*1.78*
*G401**	*Hazel (Corylus avellana), Common Alder (Alnus glutinosa)*	*16*	*350*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*EM-M*	*Good - Fair*	*No access to bases, crown vitality normal. Woodland edge.*			*20+*	*B1,2*	*55*	*4.18*
*G402**	*Hawthorn (Crataegus monogyna), Elder (Sambucus nigra), Willow (Salix sp)*	*6*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Field, edge, forming unmanaged hedgeline, hawthorn dominant.*		*Remove section as shown on TPP.*	*10+*	*C2*	*10*	*1.78*
G403	*Common Oak (Quercus robur), Ash (Fraxinus excelsior)*	*14*	*600*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-M*	*Good - Fair*	*Ivy* *Minor dead wood (<50mm diameter)*		*Fell*	*20+*	*B2*	*163*	*7.20*
G404	*Hawthorn (Crataegus monogyna), Field Maple (Acer campestre)*	*3*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*		*No action.*	*Remove section as shown on TPP.*	*20+*	*C2*	*10*	*1.78*
G405	*Hawthorn (Crataegus monogyna), Elder (Sambucus nigra)*	*6*	*100*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-EM*	*Fair*			*Fell*	*20+*	*C2*	*5*	*1.26*
*T406**	*Common Oak (Quercus robur)*	*12*	*450*	*4*	*4*	*2*	*4*	*2.0/SE*	*3*	*Good*	*EM*	*Good*	*No access to base due to ivy and embankment. Stem measured over ivy. Crown vitality normal. - Collective value with neighbouring oak.*		*Fell*	*20+*	*B2*	*92*	*5.41*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G407**	*Common Oak (Quercus robur), Hawthorn (Crataegus monogyna)*	*7*	*200*	*See Plan*				*n/a*	*n/a*	*Fair - Poor*	*Y-SM*	*Fair - Poor*	*Unmanaged hawthorn hedgerow, mixed canopy vitality, low form. Canopy vitalities lower near utility poles, likely root damage from excavation.*		*Fell*	*10+*	*C2*	*18*	*2.39*
T408	*Common Oak (Quercus robur)*	*16*	*700*	*7*	*7*	*7*	*7*	*4.0/S*	*3*	*Good*	*M*	*Good*	*Dead wood >100mm diameter* *Limb cavity with good wound wood*			*20+*	*B2*	*222*	*8.41*
*T409**	*Common Oak (Quercus robur)*	*12*	*450*	*4*	*4*	*4*	*2*	*2.0/S*	*3*	*Good*	*EM*	*Good*	*No access to base due to ivy and embankment. Crown vitality normal. Collective value with neighbouring oak.*		*Fell*	*20+*	*B2*	*92*	*5.41*
G410	*Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna)*	*10*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*			*Fell*	*20+*	*C2,3*	*18*	*2.39*
G411	*Hazel (Corylus avellana), Holly (Ilex aquifolium), Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus)*	*6*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM-EM*	*Good - Fair*				*20+*	*C2*	*18*	*2.39*
*T412**	*Common Oak (Quercus robur)*	*10*	*450*	*4*	*4*	*4*	*4*	*2.0/S*	*3*	*Good*	*EM*	*Good*	*No access to base due to ivy and embankment. Crown vitality normal. Collective value with neighbouring oaks.*		*Fell*	*20+*	*B2*	*92*	*5.41*
*G413**	*White Willow (Salix alba), Common Alder (Alnus glutinosa)*	*18*	*400*	*See Plan*				*n/a*	*n/a*	*Poor*	*EM-M*	*Poor*	*Poor vitality, no stem taper, limb failures and hung up branches. - Typical of wetland species, likely storm damage.*	*Fell if working area is required (< 3 months)*		*<10*	*U2*	*72*	*4.79*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G414	*Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior), Hazel (Corylus avellana)*	*8*	*450*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-EM*	*Fair*	*A line of sycamore on the small road side. Dense hazel towards the roundabout. Limited individual value but no major visible defects.*	*No action.*	*Remove section as shown on TPP.~~Fell~~*	*20+*	*C2*	*92*	*5.41*
*G415**	*Hawthorn (Crataegus monogyna)*	*4*	*100*	*See Plan*				*n/a*	*n/a*	*Fair - Poor*	*Y-SM*	*Fair - Poor*	*Unmanaged hawthorn hedgerow, mixed canopy vitalities', low form. Canopy vitalities lower near utility poles, likely root damage from excavation.*		*Fell*	*10+*	*C2*	*5*	*1.26*
*G416**	*Willow (Salix sp)*	*7*	*100*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y*	*Good - Fair*	*Self-sown row of willow species, likely sallow.*			*10+*	*C2*	*5*	*1.26*
G417	*Sycamore (Acer pseudoplatanus), Common Oak (Quercus robur), Field Maple (Acer campestre), Ash (Fraxinus excelsior)*	*12*	*300*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Fair*	*Semi-mature to mature trees on steep bank down to highway. Younger trees scattered towards roundabout.*	*No action.*		*20+*	*B2*	*41*	*3.61*
T418	*Ash (Fraxinus excelsior)*	*14*	*550*	*4*	*5*	*6*	*3*	*3.0/N*	*3*	*Fair*	*M*	*Fair*	*Stem cavity with poor wound wood.* *Ivy*		*Fell*	*20+*	*C2*	*137*	*6.60*
G419	*Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna), Field Maple (Acer campestre), Damson (Prunus domestica)*	*12*	*300*	*See Plan*				*n/a*	*n/a*	*Fair*	*Y-EM*	*Fair*	*Well established trees on banking down to highway below. Scattered smaller trees on inner edge of roundabout of limited individual value. - Willow*	*No action.*	*Remove section as shown on the TPP.*	*20+*	*B2*	*41*	*3.61*
T420	*Common Oak (Quercus robur)*	*14*	*670*	*6*	*7*	*7*	*5*		*3*	*Good*	*EM*	*Good*			*~~Fell~~*	*40+*	*B2*	*203*	*8.04*
T421	*Ash (Fraxinus excelsior)*	*20*	*750*	*6*	*6*	*10*	*6*	*5.0/E*	*5*	*Good*	*M*	*Fair*	*Co dominant stems* *Storm damage*			*20+*	*B2*	*255*	*9.01*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
H422	*English Elm (Ulmus procera)*	*3*	*120*	*See Plan*				*n/a*	*n/a*	*Fair*	*Y*	*Fair*			*Fell*	*<10*	*C2*	*7*	*1.49*
T423	*Common Oak (Quercus robur)*	*13*	*760*	*5*	*7*	*7*	*6*	*4.0/W*	*2*	*Fair*	*EM*	*Good*	*Minor dead wood (<50mm diameter)*			*40+*	*B2*	*261*	*9.11*
G424	*Holly (Ilex aquifolium), Elder (Sambucus nigra)*	*4*	*80*	*See Plan*				*n/a*	*n/a*	*Fair*	*Y*	*Fair*				*10+*	*C2*	*3*	*0.98*
G425	*Common Oak (Quercus robur), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna)*	*10*	*200*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*			*Fell*	*20+*	*C2,3*	*18*	*2.39*
*T426**	*Ash (Fraxinus excelsior)*	*9*	*320*	*4*	*4*	*4*	*4*	*1.8/E*	*2*	*Fair*	*SM*	*Good*	*No access to base due to brambles and fencing. Moderate canopy sparseness, tertiary dieback visible.*		*Fell*	*10+*	*C2*	*46*	*3.83*
*G427**	*Common Oak (Quercus robur), Common Alder (Alnus glutinosa)*	*15*	*500*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*EM-M*	*Good - Fair*	*Row of early mature alder and oak forming good screen. No access to base due to undergrowth. Canopy vitalities normal.*			*20+*	*B2*	*113*	*6.00*
*G428**	*Ash (Fraxinus excelsior), Hawthorn (Crataegus monogyna), Elder (Sambucus nigra)*	*9*	*250*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Mixed hedgerow. Ash dominant in overstory, hawthorn understory.*		*Remove section as shown on TPP.~~Fell~~*	*10+*	*C2*	*28*	*2.99*
*T429**	*Common Oak (Quercus robur)*	*15*	*450*	*6*	*6*	*6*	*6*	*6.0/S*	*4*	*Good*	*M*	*Good*	*No access to base due to undergrowth. Crown vitality normal. Minor deadwood throughout canopy. - Collectively of moderate*			*20+*	*B2*	*92*	*5.41*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G430	*Hazel (Corylus avellana), Silver Birch (Betula pendula), Holly (Ilex aquifolium)*	*7*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*				*10+*	*C2*	*10*	*1.78*
T431	*Ash (Fraxinus excelsior)*	*10*	*350,400,300,250*	*4*	*4*	*4*	*4*	*3.0/E*	*2*	*Good*	*SM*	*Good*	*No access to base due to brambles and fencing. Multi-stem arising from base, no canopy gaps. Canopy vitality normal.*		*Fell*	*10+*	*C2*	*197*	*7.92*
*G432**	*English Elm (Ulmus procera)*	*5*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*	*Previously coppiced group of elms forming field margin*			*10+*	*C2*	*10*	*1.78*
T433	*Common Oak (Quercus robur)*	*15*	*650*	*6*	*7*	*7*	*6*	*3.0/E*	*3*	*Good*	*EM*	*Good*	*Storm damage*			*20+*	*B2*	*191*	*7.80*
*T434**	*Common Oak (Quercus robur)*	*9*	*520*	*2*	*5*	*5*	*5*	*2.0/SE*	*2*	*Good*	*M*	*Good*	*Hedgerow tree, squat form.*			*20+*	*B2*	*122*	*6.23*
*T435**	*Common Oak (Quercus robur)*	*9*	*480*	*4*	*2*	*4*	*4*	*3.0/SE*	*2*	*Good*	*M*	*Good*	*Hedgerow tree, squat form. Minor deadwood throughout canopy.*			*20+*	*B2*	*104*	*5.75*
G436	*Hazel (Corylus avellana)*	*5*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*				*10+*	*C2*	*5*	*1.26*
T437	*Common Oak (Quercus robur)*	*15*	*980*	*7*	*8*	*8*	*8*	*6.0/E*	*4*	*Good*	*M*	*Good*	*Dead wood >100mm diameter*			*20+*	*B2*	*435*	*11.77*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G438	*Hazel (Corylus avellana), Blackthorn (Prunus spinosa), Holly (Ilex aquifolium)*	*5*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*				*10+*	*C2*	*5*	*1.26*
G439	*Common Alder (Alnus glutinosa)*	*12*	*500*	*See Plan*				*n/a*	*n/a*	*Good*	*M*	*Good*				*20+*	*B2*	*113*	*6.00*
*G440**	*Blackthorn (Prunus spinosa), Hawthorn (Crataegus monogyna), English Elm (Ulmus procera), Other*	*5*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*SM*	*Good - Fair*	*Mixed hedgerow.*			*10+*	*C2*	*10*	*1.78*
*T441**	*Common Alder (Alnus glutinosa)*	*9*	*300*	*2*	*2*	*2*	*2*	*3.0/S*	*3*	*Poor*	*EM*	*Fair*	*No access to base due to undergrowth. Crown dieback, likely previous crown tear out leaving main stem and semi mature epicormic growth. Leaf vitality normal. Multiple habitat features visible.*			*10+*	*C2*	*41*	*3.61*
*T442**	*Common Alder (Alnus glutinosa)*	*8*	*320*	*4*	*4*	*4*	*4*	*3.0/W*	*3*	*Good*	*EM*	*Good*	*No access to base due to undergrowth. Crown vitality normal. - Collectively of moderate value.*			*20+*	*B2*	*46*	*3.83*
*T443**	*Common Oak (Quercus robur)*	*8*	*350*	*1*	*4*	*4*	*4*	*2.0/N*	*2*	*Good*	*M*	*Good*	*Hedgerow tree, squat form. No access to base due to brambles. Crown vitality normal.*			*20+*	*B2*	*55*	*4.18*
*G444**	*Holly (Ilex aquifolium), Blackthorn (Prunus spinosa), Hawthorn (Crataegus monogyna), Other*	*3*	*100*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Mixed, unmanaged hedgerow.*			*10+*	*C2*	*5*	*1.26*
T445	*Common Oak (Quercus robur)*	*7*	*180*	*3*	*3*	*3*	*3*	*2.0/E*	*1.9*	*Good*	*SM*	*Good*	*No access to base due to brambles.*		*~~Fell~~*	*10+*	*C2*	*15*	*2.18*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T446**	*Common Oak (Quercus robur)*	*9*	*380,470,360*	*8*	*4*	*4*	*4*	*1.5/N*	*0.5*	*Good*	*M*	*Fair*	*Hedgerow tree, squat form. Minor deadwood throughout canopy. Likely previously coppiced with upright stem. Wound to central stool likely from historic tear out with woundwood formation and no directly supporting limbs.*			*20+*	*B2*	*224*	*8.44*
*G447**	*Field Maple (Acer campestre), Ash (Fraxinus excelsior)*	*14*	*350*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*Not surveyed. No access along motorway.*	*No action.*	*Remove section as shown on TPP.~~Fell~~*	*40+*	*B2*	*55*	*4.18*
*G448**	*Ash (Fraxinus excelsior), Field Maple (Acer campestre)*	*14*	*350*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*Not surveyed. No access along motorway.*	*No action.*	*Remove section as shown on TPP.~~Fell~~*	*40+*	*B2*	*55*	*4.18*
*G449**	*Hawthorn (Crataegus monogyna), Elm (Ulmus sp)*	*5*	*100*	*See Plan*				*n/a*	*n/a*	*Good*	*Y-SM*	*Good*	*Hawthorn hedge unmanaged, young hazel and oak growth, likely previously coppiced.*		*Remove section as shown on TPP.~~Fell~~*	*10+*	*C2*	*5*	*1.26*
*G450**	*Holly (Ilex aquifolium), Blackthorn (Prunus spinosa), Hawthorn (Crataegus monogyna), Cherry Plum (Prunus cerasifera)*	*3*	*100*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Mixed, unmanaged hedgerow. - Hazel and alder present also.*			*10+*	*C2*	*5*	*1.26*
T451	*Ash (Fraxinus excelsior)*	*15*	*620*	*6*	*6*	*6*	*6*	*4.0/E*	*4*	*Good*	*M*	*Good*	*Minor dead wood (<50mm diameter)* *Thin crown*			*10+*	*C2*	*174*	*7.44*
G452	*Common Oak (Quercus robur), Ash (Fraxinus excelsior), Holly (Ilex aquifolium)*	*10*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*				*10+*	*C2*	*10*	*1.78*
T453	*Common Oak (Quercus robur)*	*12*	*650*	*6*	*6*	*6*	*6*	*5.0/E*	*4*	*Good*	*M*	*Good*	*Dead wood >100mm diameter* *Lost leader*			*20+*	*B2*	*191*	*7.80*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G454**	*Holly (Ilex aquifolium), Blackthorn (Prunus spinosa), Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior)*	*3*	*100*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Mixed, unmanaged hedgerow. - Hazel and alder present also.*			*10+*	*C2*	*5*	*1.26*
*T455**	*Common Oak (Quercus robur)*	*12*	*1095*	*7*	*7*	*7*	*7*	*4.0/S*	*2*	*Good*	*M*	*Good*	*Hedgerow tree, squat form. Fibre buckle at 4m north. Deadwood in canopy, good habitat features. Remove major deadwood if working area is needed.*			*40+*	*A1,2*	*542*	*13.13*
*T456**	*Silver Birch (Betula pendula)*	*10*	*300*	*1*	*4*	*3*	*4*	*4.0/S*	*1*	*Good*	*EM*	*Good*			~~*Fell*~~	*20+*	*B1*	*41*	*3.61*
T457	*Common Oak (Quercus robur)*	*15*	*1000*	*7*	*7*	*7*	*7*	*3.0/N*	*4*	*Fair*	*M*	*Fair*	*Dead wood >100mm diameter*		~~*Fell*~~	*20+*	*B2*	*452*	*11.99*
*T458**	*Common Oak (Quercus robur)*	*12*	*810*	*5*	*5*	*2*	*3*	*4.0/S*	*2*	*Poor*	*M*	*Good*	*Established within gap in hedgerow. - Significant dieback of canopy with epicormic growth of lower canopy. Major deadwood present. Good woundwood present on minor tear out wounds. Good stem taper.*			*20+*	*B2*	*297*	*9.72*
*T459**	*Silver Birch (Betula pendula)*	*9*	*330*	*3*	*1*	*3*	*3*	*3.0/S*	*1*	*Good*	*EM*	*Good*	*Lean north due to light competing self-righting canopy growth. - Collectively of moderate*		~~*Fell*~~	*20+*	*B1*	*49*	*3.95*
G460	*Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa), Ash (Fraxinus excelsior), Hazel (Corylus avellana)*	*3*	*100*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*	*Dense, scrubby area. Limited individual value. Easily replaced.*	*No action.*	*Remove section as shown on TPP.*	*20+*	*C2*	*5*	*1.26*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T461**	*Ash (Fraxinus excelsior)*	*16*	*700*	*6*	*6*	*3*	*6*	*5.0/S*	*2*	*Poor*	*M*	*Poor*	*Established within hedgerow. no access to base. - Large fruitbody, likely Inonotus hispidus, visible at 8m on mainstem south approx. 1m above woodpecker hole. Limb forms circa 1/3 of canopy. - Fruiting body adjacent to 2 other secondary limb attachment points, not visible from viewing position south. - High species propensity for failure with Inonotus hispidus. Felling of ash would allow for greater lifespan for neighbouring oak.*	*Create monolith above woodpecker hole to retain as habitat, circa 7m, if working space is required within fall distance. (< 3 months)*		*<10*	*U2*	*222*	*8.41*
*T462**	*Common Oak (Quercus robur)*	*13*	*700*	*5*	*5*	*5*	*5*	*1.8/S*	*2*	*Good*	*EM*	*Fair*	*Compression fork at 1.9m with upright form and natural bracing within the canopy. - Collectively of moderate value.*		*~~Fell~~*	*20+*	*B1*	*222*	*8.41*
*T463**	*Common Oak (Quercus robur)*	*14*	*890*	*7*	*7*	*6*	*4*	*6.0/E*	*3*	*Fair*	*M*	*Fair*	*Established within hedgerow. Large tear out wound southwest at 4m with peripheral woundwood visible. Decay of outer exposed wood visible. Minor adaptive growth around stem visible. - Large deadwood within canopy. Damage to lower limbs south typical of high vehicle damage, good woundwood formation. Minor canopy sparseness.*	*Remove dead wood Remove deadwood if working area is required. (When funds allow)*		*20+*	*B1,2*	*358*	*10.67*
*G464**	*Field Maple (Acer campestre),*	*5*	*130*	*See Plan*				*n/a*	*n/a*	*Good*	*Y*	*Good*	*Hedgerow of field maple, trimmed sides, apical growth left to extend upwards.*			*10+*	*C2*	*8*	*1.60*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G465	Field Maple (Acer campestre), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna), Common Oak (Quercus robur)	15	350	See Plan				n/a	n/a	Good - Fair	Y-EM	Good - Fair			Remove section as shown on TPP.	20+	B2,3	55	4.18
G466*	Hawthorn (Crataegus monogyna), Elm (Ulmus sp), Blackthorn (Prunus spinosa), Crab Apple (Malus sylvestris)	5	130	See Plan				n/a	n/a	Good - Fair	Y-SM	Good - Fair	Unmanaged hedge, mixed species.			10+	C2	8	1.60
T467*	Common Oak (Quercus robur)	12	1000	4	4	4	4	3.0/S	3	Fair	M	Good	Hedgerow tree, squat form. Deadwood in canopy, good habitat features. Remove major deadwood if working area is needed. Canopy dieback, potentially retrenchment. Good lower canopy vitality. - No access to base due to brambles.			20+	B2	452	11.99
G468*	Holly (Ilex aquifolium), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa), Other	5	110	See Plan				n/a	n/a	Good	Y	Good	Unmanaged hedgerow, holly dominant.			10+	C2	5	1.26
T469*	Elm (Ulmus sp)	6	120	1	1	1	1		0	Dead	SM	Dead		Fell (< 3 months)		<10	U2	7	1.49
T470*	Common Oak (Quercus robur)	12	360	3	4	4	2	4.0/S	3	Fair	SM	Fair	Part of group. Large wound to south stem circa 2.m long. Good woundwood formation. Wood density normal. - Moderate crown sparseness.		~~Fell~~	10+	C2	59	4.33
G471*	Goat Willow (Salix caprea), Common Alder (Alnus glutinosa),	7	130	See Plan				n/a	n/a	Good	SM	Good				10+	C2	8	1.60

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*T472**	*Elm (Ulmus sp)*	*6*	*140*	*1*	*1*	*1*	*1*		*0*	*Dead*	*SM*	*Dead*		*Fell (< 3 months)*		*<10*	*U2*	*9*	*1.69*
*T473**	*Common Oak (Quercus robur)*	*10*	*700*	*4*	*4*	*7*	*7*	*2.5/E*	*2*	*Fair*	*M*	*Good*	*Established within hedgerow. No access to base due to thorns and barbed wire. - Ivy across mainstem, minor canopy sparseness.*		*~~Fell~~*	*20+*	*B2*	*222*	*8.41*
*T474**	*Common Oak (Quercus robur)*	*9*	*450*	*3*	*3*	*4*	*4*	*3.0/E*	*2*	*Fair*	*EM*	*Good*	*Established on embankment of ditch south. No access to base due to undergrowth. Crown vitality poor. Significant crown dieback northeast. Moderate canopy sparseness throughout rest of canopy. Likely from ground compaction from car boot sale.*			*10+*	*C2*	*92*	*5.41*
T475	*Common Oak (Quercus robur)*	*14*	*720*	*5*	*5*	*4*	*4*	*3.0/S*	*0.1*	*Good*	*M*	*Good*	*No access to entire base due to holly as understory. Minor deadwood throughout canopy, good potential for habitat features.*			*20+*	*B2*	*235*	*8.65*
*T476**	*Common Oak (Quercus robur)*	*8*	*400*	*3*	*4*	*4*	*4*	*2.0/W*	*2*	*Fair*	*EM*	*Good*	*Established on embankment of ditch south. No access to base due to undergrowth. Crown vitality poor. Significant crown dieback northeast. Moderate canopy sparseness throughout rest of canopy. Likely from ground compaction from car boot sale.*			*10+*	*C2*	*72*	*4.79*
*G477**	*Hawthorn (Crataegus monogyna), Willow (Salix sp), Blackthorn (Prunus spinosa), Common Alder (Alnus glutinosa)*	*5*	*120*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-SM*	*Good - Fair*	*Unmanaged hedge, mixed species.*			*10+*	*C2*	*7*	*1.49*
*G478**	*Hazel (Corylus avellana), Elm (Ulmus sp), Hawthorn (Crataegus monogyna), Other*	*5*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*Mixed species hedgerow, screen of road.*		*~~Fell~~*	*10+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
*G479**	*Common Oak (Quercus robur), Hawthorn (Crataegus monogyna), Damson (Prunus domestica), English Elm (Ulmus procera)*	*12*	*300*	*See Plan*				*n/a*	*n/a*	*Good - Fair*	*Y-EM*	*Good - Fair*	*Mixed hedgerow. Oak overstory dominant. North of ditch. Good screening.*			*20+*	*B2*	*41*	*3.61*
*T480**	*Common Oak (Quercus robur)*	*8*	*300*	*4*	*4*	*4*	*4*	*2.0/SW*	*2*	*Fair*	*EM*	*Fair*	*Established on embankment of ditch south. No access to base due to undergrowth. Crown vitality normal. Lower canopy asymmetry south due to previous crown raise.*			*20+*	*B2*	*41*	*3.61*
*T481**	*Common Oak (Quercus robur)*	*14*	*1000*	*6*	*6*	*6*	*6*	*3.0/W*	*4*	*Fair*	*M*	*Fair*	*Hedgerow tree. Large wound to stems south circa 2.5m long. Good woundwood formation. Wood density normal. - Moderate canopy sparseness. Major deadwood over hedgerow.*			*20+*	*B2*	*452*	*11.99*
*T482**	*Goat Willow (Salix caprea)*	*6*	*450*	*4*	*4*	*4*	*4*	*1.0/S*	*2*	*Fair*	*M*	*Fair*	*Established on embankment of ditch south. Central limb dieback, unknown cause. Rest of canopy visually normal.*			*10+*	*C2*	*92*	*5.41*
*T483**	*Goat Willow (Salix caprea)*	*6*	*300*	*3*	*3*	*3*	*2*	*1.5/S*	*2*	*Fair*	*EM*	*Fair*	*Established within hedgerow. No access to base due to thorns and embankment. Crown vitality normal. - Compression fork at 1m with significant adaptive growth visible.*			*10+*	*C2*	*41*	*3.61*
G484	*Hawthorn (Crataegus monogyna), Elder (Sambucus nigra), Hazel (Corylus avellana), Ash (Fraxinus excelsior)*	*3*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Fair*	*Hedgerow along the highway edge. Limited value. None of individual note. Sporadic planting. No major visible defects.*	*No action.*	*Remove section as shown on TPP.~~Fell~~*	*20+*	*C2*	*10*	*1.78*
G485	*Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea), Sycamore (Acer pseudoplatanus)*	*5*	*150*	*See Plan*				*n/a*	*n/a*	*Good - Poor*	*SM*	*Fair*			*Fell*	*20+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T486	*Common Oak (Quercus robur)*	*6*	*350,400*	*4*	*4*	*4*	*2*	*2.5/S*	*2*	*Poor*	*M*	*Fair*	*Hedgerow tree. Large pruning wound to base with minor woundwood formation. Wood dysfunction visible, circa 10cm depth. - Moderate canopy dieback. Ditch south recently excavated, likely caused canopy dieback. Squat form reasonably sheltered. Roughly 1/3 of root area affected.*			*10+*	*C2*	*128*	*6.38*
T487	*Common Alder (Alnus glutinosa)*	*11*	*400*	*4*	*4*	*4*	*4*	*3.0/S*	*2*	*Good*	*EM*	*Good*	*No access to base due to ditch. Crown vitality normal, white willow at base.*			*20+*	*B2*	*72*	*4.79*
G488	*Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea), Common Oak (Quercus robur)*	*7*	*250*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Fair*			*Remove section as shown on TPP.~~Fell~~*	*20+*	*C2*	*28*	*2.99*
T489	*Common Oak (Quercus robur)*	*7*	*400*	*5*	*5*	*5*	*5*	*2.0/N*	*2*	*Good*	*SM*	*Good*			*~~Fell~~*	*40+*	*B2*	*72*	*4.79*
T490	*Common Oak (Quercus robur)*	*4*	*150*	*3*	*3*	*3*	*3*	*1.0/N*	*1*	*Good*	*SM*	*Good*			*~~Fell~~*	*20+*	*C1*	*10*	*1.78*
T491	*Common Oak (Quercus robur)*	*7*	*400*	*4*	*4*	*4*	*4*	*1.0/N*	*1*	*Good*	*SM*	*Good*			*~~Fell~~*	*20+*	*B1*	*72*	*4.79*
T492	*Hawthorn (Crataegus monogyna)*	*5*	*250*	*3*	*3*	*3*	*3*	*1.0/N*	*1*	*Good*	*M*	*Good*				*20+*	*C1*	*28*	*2.99*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T493	*Sessile Oak (Quercus petraea)*	*20*	*970*	*8.5*	*8*	*6*	*9*	*3.0/S*	*3*	*Good*	*M*	*Good*	*Single stemmed. Good shape and form. Ripped wound on stem at 4m to SE. Good woundwood. Deadwood and stubs. On edge of slope/ditch. No major visible defects.*			*40+*	*B1*	*426*	*11.64*
T494	*Sycamore (Acer pseudoplatanus)*	*18*	*650,650*	*8*	*6*	*4*	*9*		*2*	*Poor*	*M*	*Poor*	*Twin-stemmed from base with dense epicormic shoots. Decay in stems with Dryad's Saddle fungal fruiting body. Dieback to sparse crown. Limited long-term value. Deadwood.*	*Fell in development / No action currently due to very low target.*		*<10*	*U1*	*382*	
T495	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*EM*	*Good*				*20+*	*C1*	*18*	*2.39*
H496	*Hawthorn (Crataegus monogyna), Common Oak (Quercus robur)*	*5*	*150*	*1.5m wide*				*n/a*	*n/a*	*Fair*	*EM-M*	*Fair*	*Hedgerow along field boundary. Dense with no obvious major visible defects. One individual oak within hedge not surveyed due to no access.*	*No action.*	*Remove section as shown on TPP.*	*20+*	*C2*	*10*	*1.78*
T497	*Hawthorn (Crataegus monogyna)*	*5*	*200*	*2*	*2*	*2*	*2*	*1.0/N*	*1*	*Good*	*EM*	*Good*				*20+*	*C1*	*18*	*2.39*
G498	*Hawthorn (Crataegus monogyna), Hazel (Corylus avellana)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*				*10+*	*C2*	*10*	*1.78*
T499	*Common Oak (Quercus robur)*	*20*	*840*	*10*	*10*	*9*	*10*	*4.0/S*	*3*	*Good*	*M*	*Good*	*Single stemmed. Forked at 3.5m at edge of ditch. Deadwood and stubs. No major visible defects.*	*No action.*		*40+*	*B1*	*319*	*10.08*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
T500	*Hawthorn (Crataegus monogyna)*	*5*	*300*	*3*	*3*	*3*	*3*	*1.0/N*	*1*	*Good*	*M*	*Good*				*20+*	*C1*	*41*	*3.61*
T501	*Common Oak (Quercus robur)*	*5*	*200*	*4*	*4*	*4*	*4*	*1.0/N*	*1*	*Good*	*SM*	*Good*				*20+*	*C1*	*18*	*2.39*
T502	*Common Oak (Quercus robur)*	*6*	*300*	*4*	*4*	*4*	*4*	*2.0/N*	*1*	*Good*	*SM*	*Good*				*20+*	*B1*	*41*	*3.61*
T503	*Oak (Quercus sp)*	*20*	*800*	*8*	*8*	*9*	*9*	*4.0/E*	*2*	*Good*	*M*	*Good*	*Single stemmed. Good shape and form. Deadwood. No major visible defects.*	*No action.*		*40+*	*B1*	*290*	*9.61*
G504	*Common Oak (Quercus robur), Hawthorn (Crataegus monogyna), Hazel (Corylus avellana), Elder (Sambucus nigra), Sycamore (Acer pseudoplatanus), Alder (Alnus glutinosa), Holly (Ilex aquifolium)*	*20*	*350*	*See Plan*				*n/a*	*n/a*	*Good*	*SM-M*	*Fair*	*Dense woodland strip along either side of the track. Individual trees of note picked up but collectively of value as a group.*	*No action.*		*40+*	*B2*	*55*	*4.18*
T505	*Oak (Quercus sp)*	*20*	*980*	*10*	*8*	*10.5*	*9*	*5.0/E , 5.0/N , 5.0/W*	*2*	*Good*	*M*	*Fair*	*Large bole. Forked at 4.5m with a ripped wound in centre of fork but good woundwood. Also ripped wound at limb collapse at 5m to south. Limb above fused and resting on stub. Deadwood and stubs. Wide spreading crown.*	*Crown thin fused limb by 50%*		*40+*	*B1*	*435*	*11.77*
G506	*Ash (Fraxinus excelsior), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Willow (Salix sp)*	*6*	*150*	*See Plan*				*n/a*	*n/a*	*Good*	*SM*	*Good*	*Highway screening. Dense. None of individual note. - blackthorn*	*No action.*	*Remove section as shown on TPP.*	*40+*	*C2*	*10*	*1.78*

Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
W507	*Common Oak (Quercus robur), Hazel (Corylus avellana), Elder (Sambucus nigra), Willow (Salix sp)*	*20*	*500*	*See Plan*				*n/a*	*n/a*	*Good - Poor*	*EM-OM*	*Good - Poor*	*One huge willow collapsed into an old pond area. The majority of oak are of good shape and form with no major visible defects. Lower vegetation including hazel and elder around field perimeter.*	*No action.*		*40+*	*B2*	*113*	*6.00*
H508	*Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Common Oak (Quercus robur)*	*4*	*150*	*2m wide*				*n/a*	*n/a*	*Good*	*SM-M*	*Fair*	*A category C hedgerow along the field boundary. 2 x mature oak within hedge. Estimated DBH of 650mm and 9x9m canopy spread (B1).*	*No action.*		*20+*	*C2*	*10*	*1.78*
T509	*Oak (Quercus sp)*	*9*	*840*	*6*	*6.5*	*6.5*	*6*	*2.5/W*	*1.5*	*Fair*	*M*	*Fair*	*Thick bole producing a squat form. Some old stubs and ripped wounds but little weight. Some retrenchment of canopy. Deadwood and stubs.*	*No action.*		*20+*	*B1*	*319*	*10.08*
G510	*Holly (Ilex aquifolium), Hawthorn (Crataegus monogyna), Hazel (Corylus avellana), Elder (Sambucus nigra)*	*4*	*150*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-EM*	*Fair*	*Hedgerow with a cluster of holly towards the fence end.*	*No action.*		*20+*	*C2*	*10*	*1.78*
G511	*Hazel (Corylus avellana), Goat Willow (Salix caprea), Common Oak (Quercus robur), Elder (Sambucus nigra)*	*4*	*250*	*See Plan*				*n/a*	*n/a*	*Fair*	*SM-EM*	*Fair*	*Hawthorn hedge field side with one EM oak of note. Otherwise a dense shrubby hedgerow. No trees of individual note. No major visible defects. - blackthorn, haw*	*No action.*		*20+*	*C2*	*28*	*2.99*
W512	*Common Oak (Quercus robur), Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus), Lime (Tilia sp.), Beech (Fagus sylvatica)*	*<20*	*500 Avg.*	*See Plan*				*n/a*	*n/a/*	*Good-Poor*	*SM-M*	*Good-Poor*	*Woodland group forming a belt to the east of Cannock Road. Many trees individually surveyed although collectively forming a woodland of high amenity value. Typical deadwood and stubs. Reasonable mixed understory and footpath running through the centre down its length. Some individually valuable trees.*	*No action.*	*Remove section as shown on TPP*	*40+*	*B2*	*113*	*6.0*
G513	*Field maple (Acer campestre), Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus), Birch (Betula sp.), Common Oak (Quercus robur).*	*<10*	*250 Avg*	*See Plan (4m Avg)*				*n/a*	*n/a*	*Good*	*SM-EM*	*Good*	*45 degree bank of highway planting scheme with some regeneration. Ivy on most stems. Typically 2 m spacing.*	*No Action*	*Remove section as shown on TPP*	*20+*	*B2*	*28.3*	*3.0*

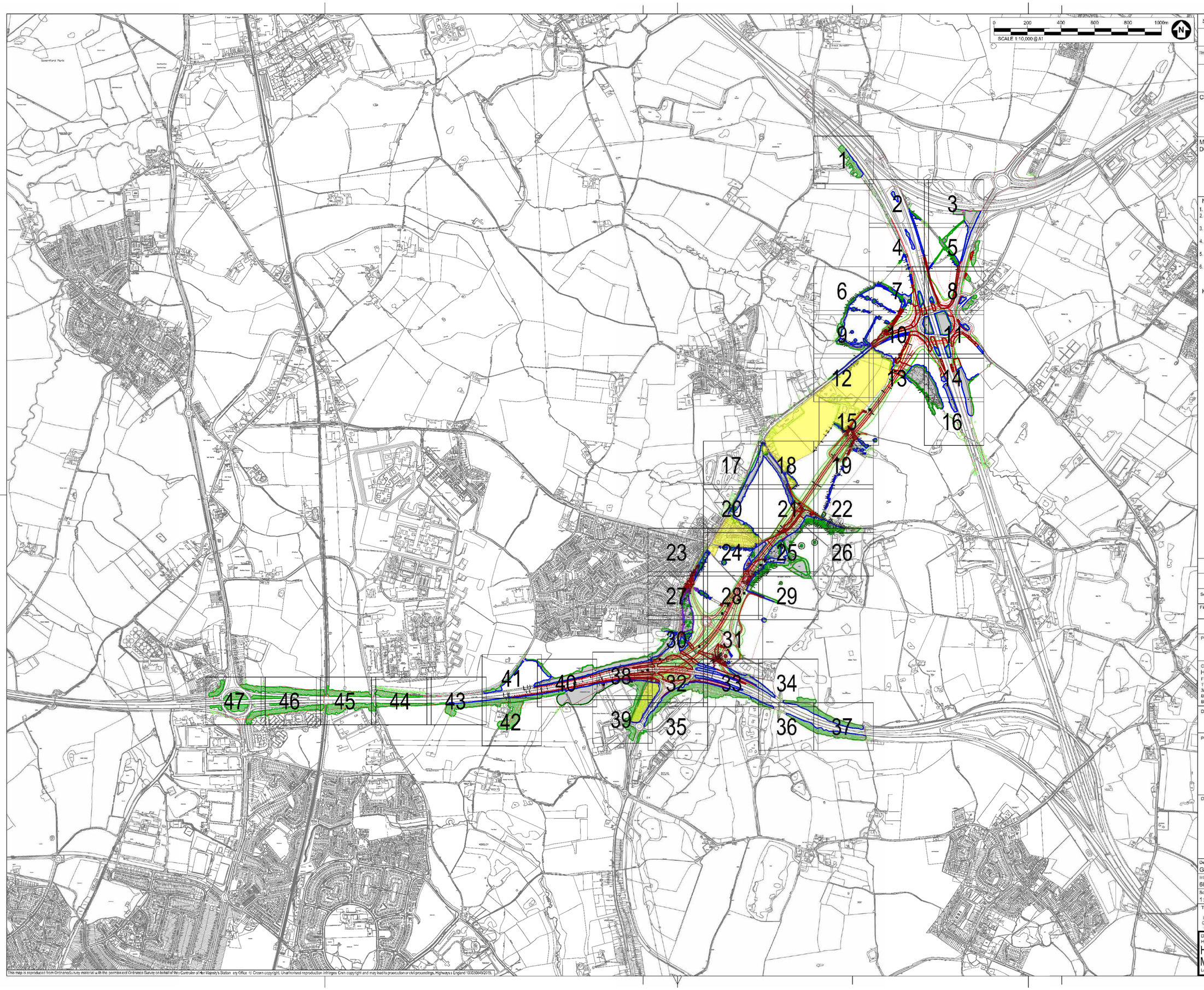
Ref. No	Species Common Name (Scientific name)	Estimated Height (m)	Stem Diameter (mm)	Canopy spread (m)				First Significant branch & direction	Canopy Clearance height (m)	Physiological Condition	Life Stage	Structural Condition	Observations	Preliminary Management Recommendations	Tree Works to Facilitate the Development Proposals	Estimated Remaining Contribution (yrs)	Category	RPA (m^2)	RPA Radius (m)
				N	S	E	W												
G514	*Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus),*	*<15*	*150 Avg*	*See Plan (4m Avg)*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*	*Approximately 12 self-sown highway trees.*	*No action*	*Fell*	*10+*	*C2*	*10.2*	*1.8*
G515	*Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus), Goat willow (Salix caprea)*	*<6*	*200 Avg*	*See Plan (4m Avg)*				*n/a*	*n/a*	*Fair*	*SM-M*	*Fair*	*Self-sown highway trees, approximately 3 m spacing.*	*No action*	*Fell*	*10+*	*C2*	*18.1*	*2.4*
W516	*Sycamore (Acer pseudoplatanus), Birch (Betula sp.), Common Oak (Quercus robur), Common Beech (Fagus sylvatica),*	*<25*	*700 Avg*	*See Plan (<12m)*				*n/a*	*n/a*	*Good-Fair*	*SM-M*	*Good-Fair*	*Fine mature oak with some beech. Birch and sycamore understorey. Approximately 10 m spacing. Designated Ancient Semi Natural Woodland (ASNW). Two sweet chestnut within this woodland identified on the Ancient Tree Inventory (Ref 20) as 113070 and 113071. Minimum 15 m buffer zone.*	*No action*		*40+*	*A2*	*221.7*	*8.4 (15m due to ASNW)*
G517	*Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus), Goat willow (Salix caprea)*	*<8*	*200 Avg*	*See Plan (4m Avg)*				*n/a*	*n/a*	*Fair*	*SM*	*Fair*	*Self-sown highway trees, approximately 3 m spacing.*	*No action*	*Fell*	*10+*	*C2*	*18.1*	*2.4*

Key to Abbreviations Used in the Survey

Ref No	Specific identification number given to each tree or group. T=Tree/H=Hedge/G=Group.	
Species	Common name followed by botanical name shown in *italics*	
RPA	Root Protection Area (As defined by BS5837)	
Stem diameter	Diameter of main stem, measured in millimetres at 1.5 m above ground level. (MS = Multi-stem tree measured in accordance with BS5837 Annex C)	Av / Average: indicates an average representative measured dimension for the group or feature
Spread	The width and breadth of the crown. Estimated on the four compass points in metres.	
Crown clearance	The estimated height (in metres) above ground level of the lowest significant branch attachments.	
#	Estimated dimensions	
*****	Indicates estimated position of tree (not indicated on topographical survey).	
Category	Categorisation of the quality and benefits of trees on Site as per Table 1 and 2 of BS5837:2012. 1=Arboricultural quality/value 2=Landscape quality/value 3=Cultural quality/value (including conservation)	
	A=High quality/value 40yrs+ (light green). B=Moderate quality/value 20yrs+ (mid blue) C=Low quality/value min 10yrs/stem diameter less than 150mm (grey). U=Unsuitable for retention (dark red).	
Life stage	**Young (Y):** Newly planted tree 0-10 years. **Semi-Mature (SM):** Tree in the first third of its normal life expectancy for the species (significant potential for future growth in size). **Early Mature (EM):** Tree in the second third of its normal life expectancy for the species (some potential for future growth in size) **Mature (M):** Tree in the final third of its normal life expectancy for the species (having typically reached its approximate ultimate size). **Over Mature (OM):** Tree beyond the normal life expectancy for the species. **Veteran (V):** Tree which is of interest biologically, aesthetically or culturally because of its condition, size or age.	
Structural condition	**Good:** No significant structural defects **Fair:** Structural defects which can be resolved via remedial works. **Poor:** Structural defects which cannot be resolved via remedial works. **Dead:** Dead.	

Physiological condition	**Good:** Normal vitality including leaf size, bud growth, density of crown and wound wood development. **Fair:** Lower than normal vitality, reduced bud development, reduced crown density, reduced response to wounds. **Poor:** Low vitality, low development and distribution of buds, discoloured leaves, low crown density, little extension growth for the species. **Dead:** Dead **Fair/Good** = Indicates an intermediate condition **Fair – Good** = Indicates a range of conditions (e.g. within a group)
Preliminary management recommendations	Works identified during the tree survey as part of sound arboricultural management, based on the current context of the Site (where relevant reference has been made to tree management based on the potential future context of the site).
Works to facilitate the development	Tree works identified as necessary to facilitate the Proposed Development following a desk top analysis of the proposals in relation to tree constraints.

Annex C: Tree Protection Plans (Key plan and Sheets 1 to 47)



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CONSTRUCTION

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NOTES

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KEY

Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of Issue
DCO APPLICATION

Client
Highways England
Floor 8
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN OVERVIEW KEY PLAN

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 1:10000H/1:10000V	Zone Landscape

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Highways England P/N | Originator | Volume | Rev
HE 514465 - ACM - ELS - P02
Location | Type | Role | Number
M54_SW_PR_Z - DR - AB - 0200

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KEY

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- EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
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- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE (TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_PR_Z-MDI-DH-9001)
- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Second Issue		CC	28/09/20	P02
First Issue		CC	23/01/20	P01
Revision Details		By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 1 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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HE 514465	ACM	ELS		P02
Location		Type	Role Number	
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Second Issue	CC		28/09/20	P02
First Issue	CC	AW	23/01/20	P01
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Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN SHEET 2 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
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HE 514465	ACM	ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0202	

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Second Issue	CC		28/09/20	P02
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Purpose of issue

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Client
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Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 3 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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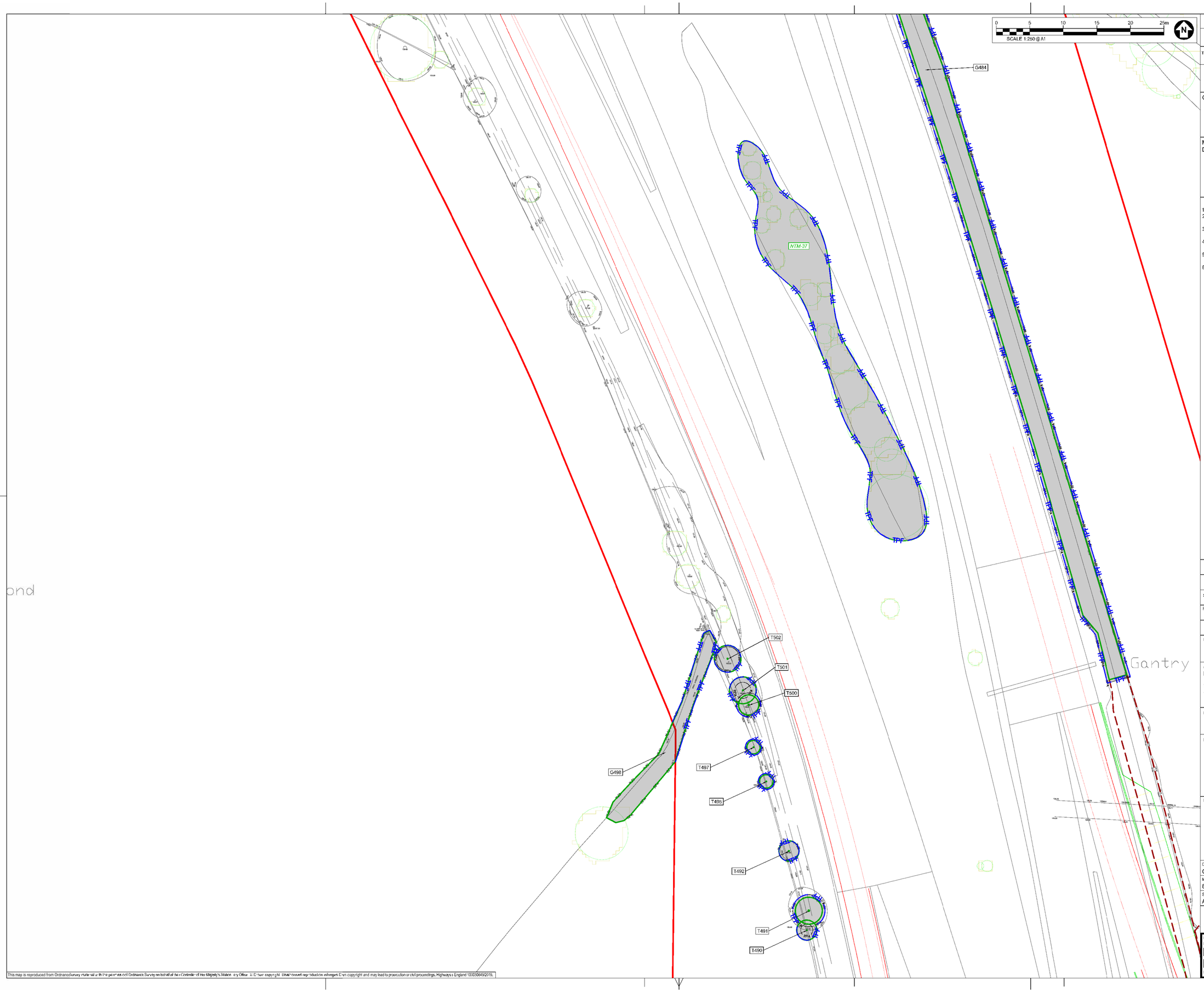
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0203	



0 5 10 15 20 25m
SCALE 1:250 @ A1

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Purpose of issue
DCO APPLICATION

Client
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Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN SHEET 4 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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HE 514465 - ACM - ELS -
M54_SW_PR_Z - DR - AB - 0204
Location | Type | Role | Number

Rev P02

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0 5 10 15 20 25m
SCALE 1:250 @ A1

H508
G506
W507
Pond
T505
G504
T503
T499
T494
T493
H496
G484
Gantry
Pond
NTM-36

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SF-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
- **EXISTING TREE, GROUP OR HEDGE TO BE REMOVED**
- **ROOT PROTECTION AREAS (RPA) OF RETAINED TREES** *(AS DEFINED BY 5 5837:2012)*
- **TREE PROTECTION FENCING**
- **CONSTRUCTION EXCLUSION ZONE** *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
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- **PROPOSED DEVELOPMENT LAYOUT** *(BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_PR_Z-MDI-CH-1001)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 5 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736
Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV
Zone Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
M54_SW_PR_Z - DR - AB - 0205
Location | Type | Role | Number

Rev P02

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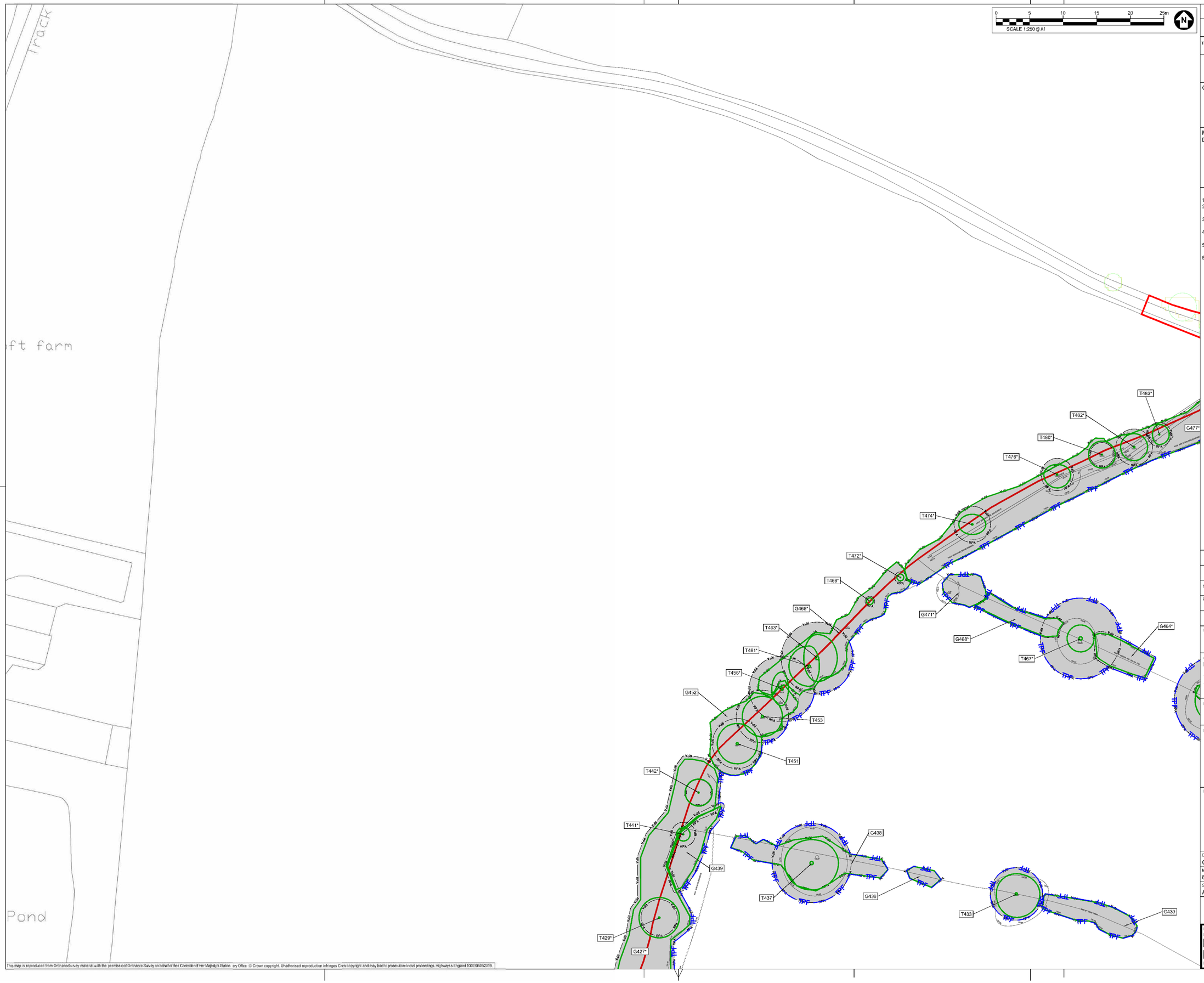

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 6 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWNV	Zone Landscape

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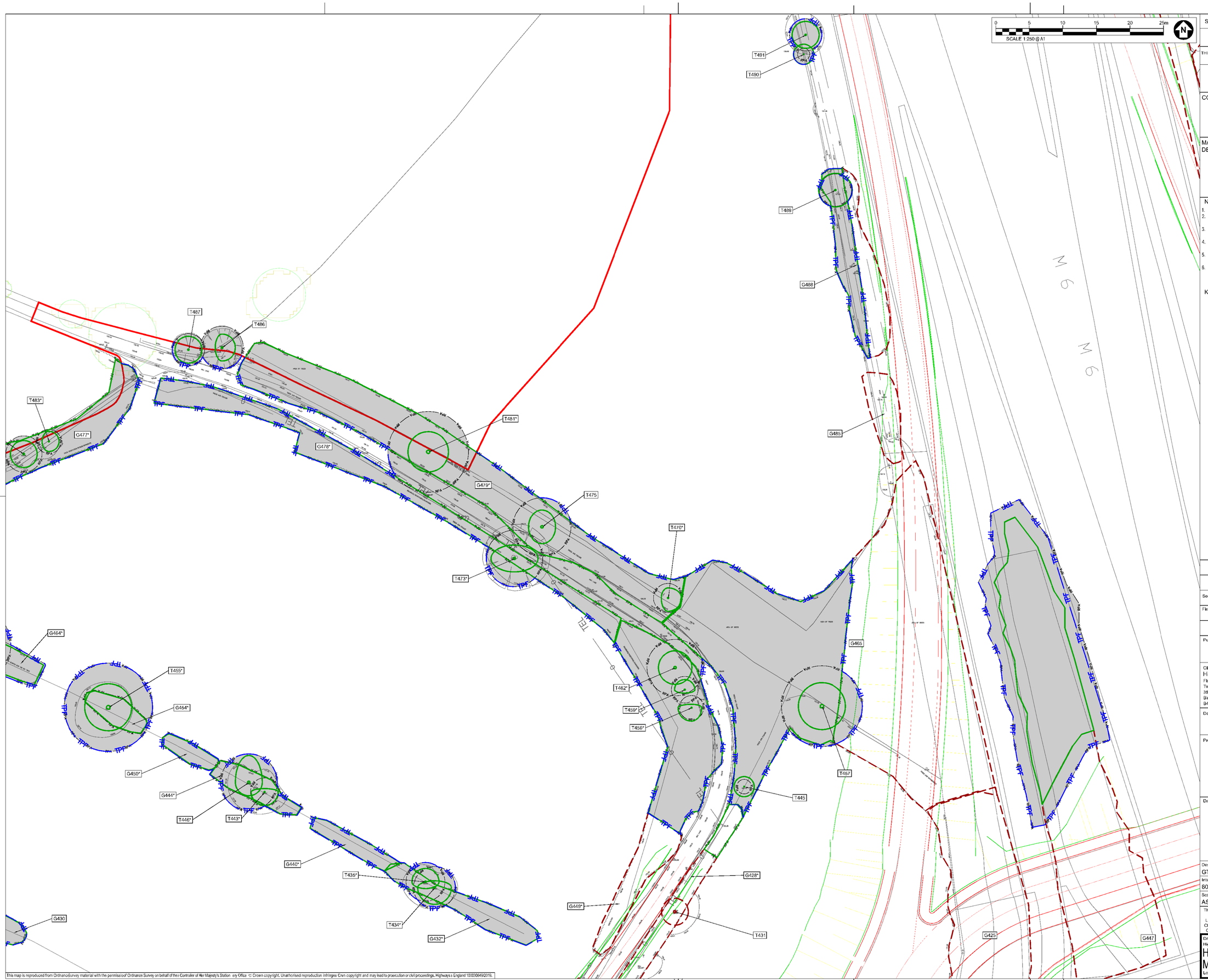
Drawing Number					Rev
Highways England PIN	Originator	Volume			
HE 514465	ACM	ELS			P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0206	



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Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of Issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 7 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60538736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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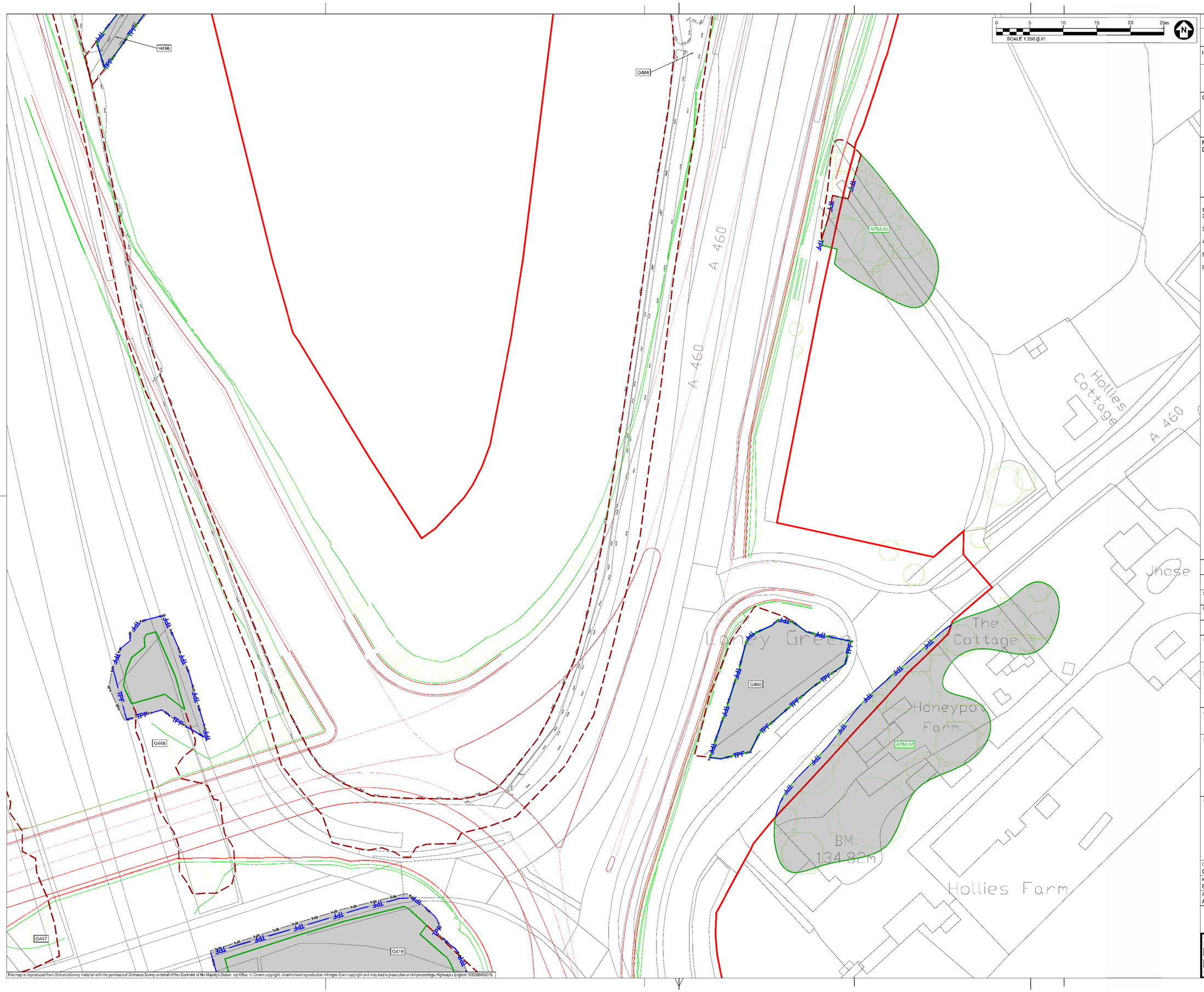
Drawing Number					Rev
Highways England PIN	Originator		Volume		
HE 514465	ACM		ELS	-	P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0207	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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Second Issue	CC / AW	28/09/20		P02
First Issue		23/01/20		P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Cornone Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 8 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWNV	Zone Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	ACM	ELS	-	-	P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0208	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

- ORDER LIMITS
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- NATIONAL TREE MAP (NTM) DATA *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 9 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60538736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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Drawing Number						Rev
Highways England PIN	Originator		Volume			
HE 514465	ACM		ELS			P02
Location			Type	Role	Number	
M54_SW_PR_Z			DR	AB	0209	

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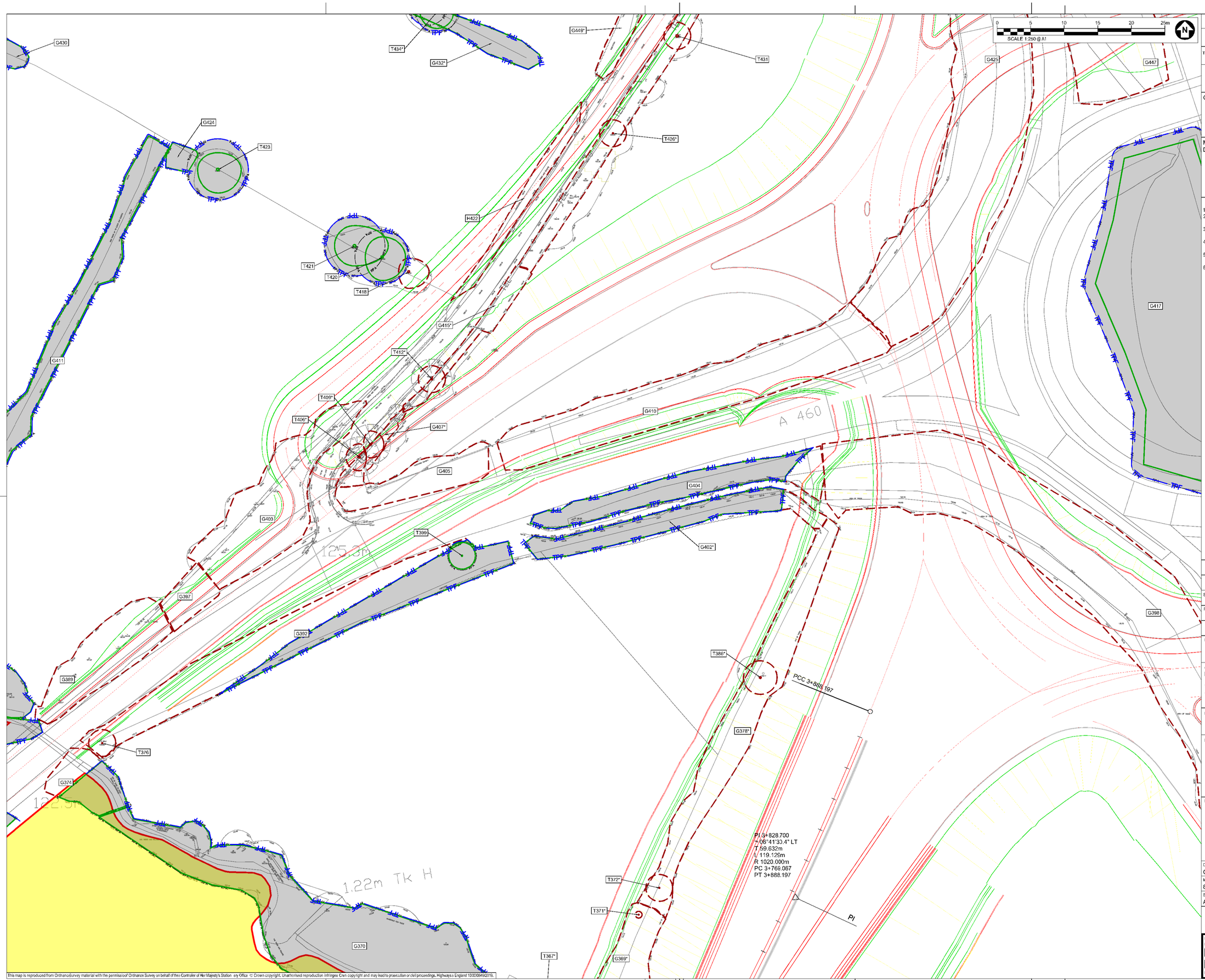

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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KEY

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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of Issue: DCO APPLICATION

Client: Highways England, Floor 5, Two Colmore Square, 38 Cornmore Circus, Birmingham, B4 6BN

Development Consent Order Number: TR010054

Project Title: M54 to M6 Link Road

Drawing Title: TREE PROTECTION PLAN SHEET 10 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60538736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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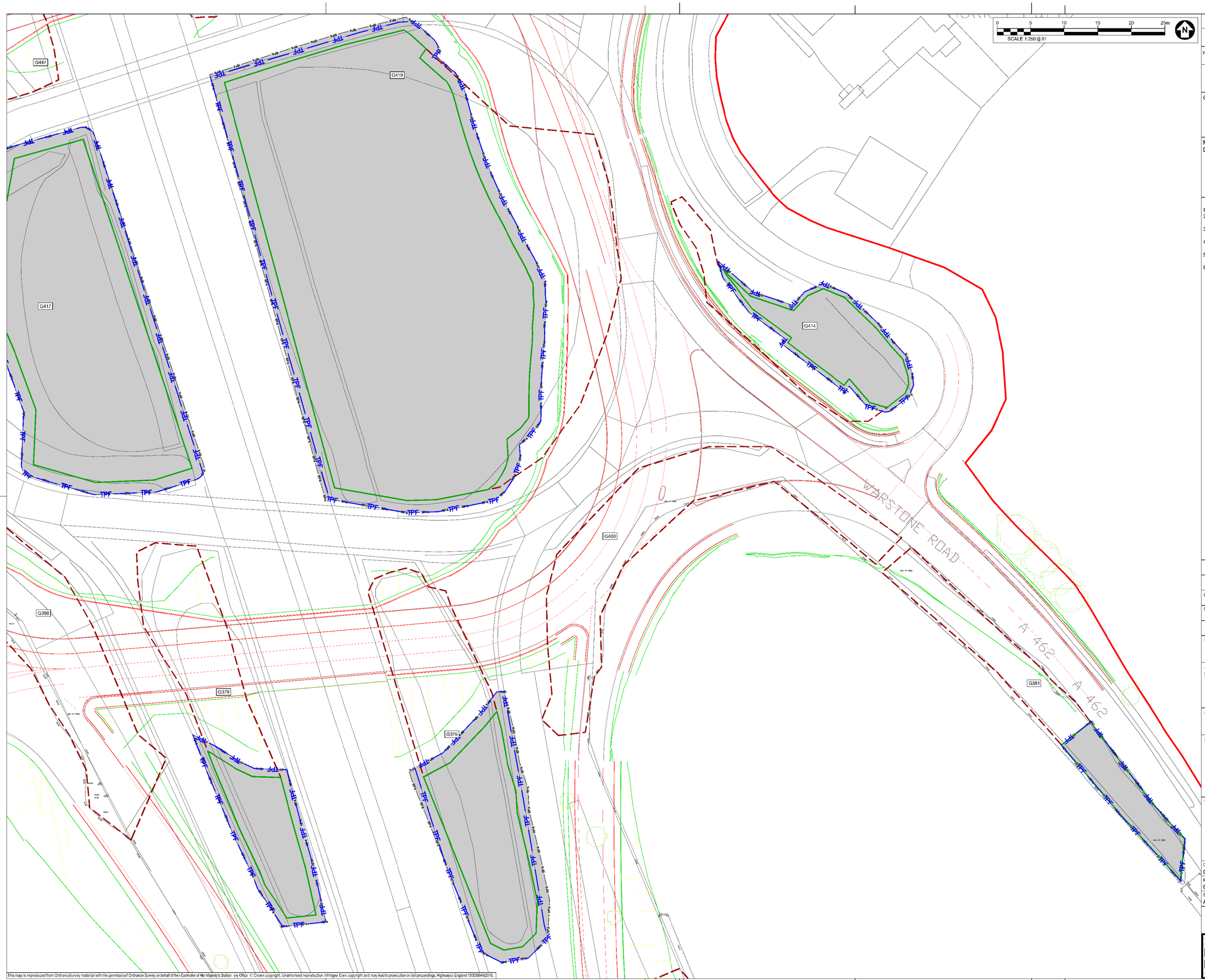
Drawing Number: Highways England PIN | Originator | Volume | Location | Type | Role | Number
HE 514465 - ACM - ELS - M54_SW_PR_Z - DR - AB - 0210

Rev: P02



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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By Check	Date	Suffix	

Purpose of issue: DCO APPLICATION

Client: Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number: TR010054

Project Title: M54 to M6 Link Road

Drawing Title: TREE PROTECTION PLAN SHEET 11 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWN	Zone Landscape

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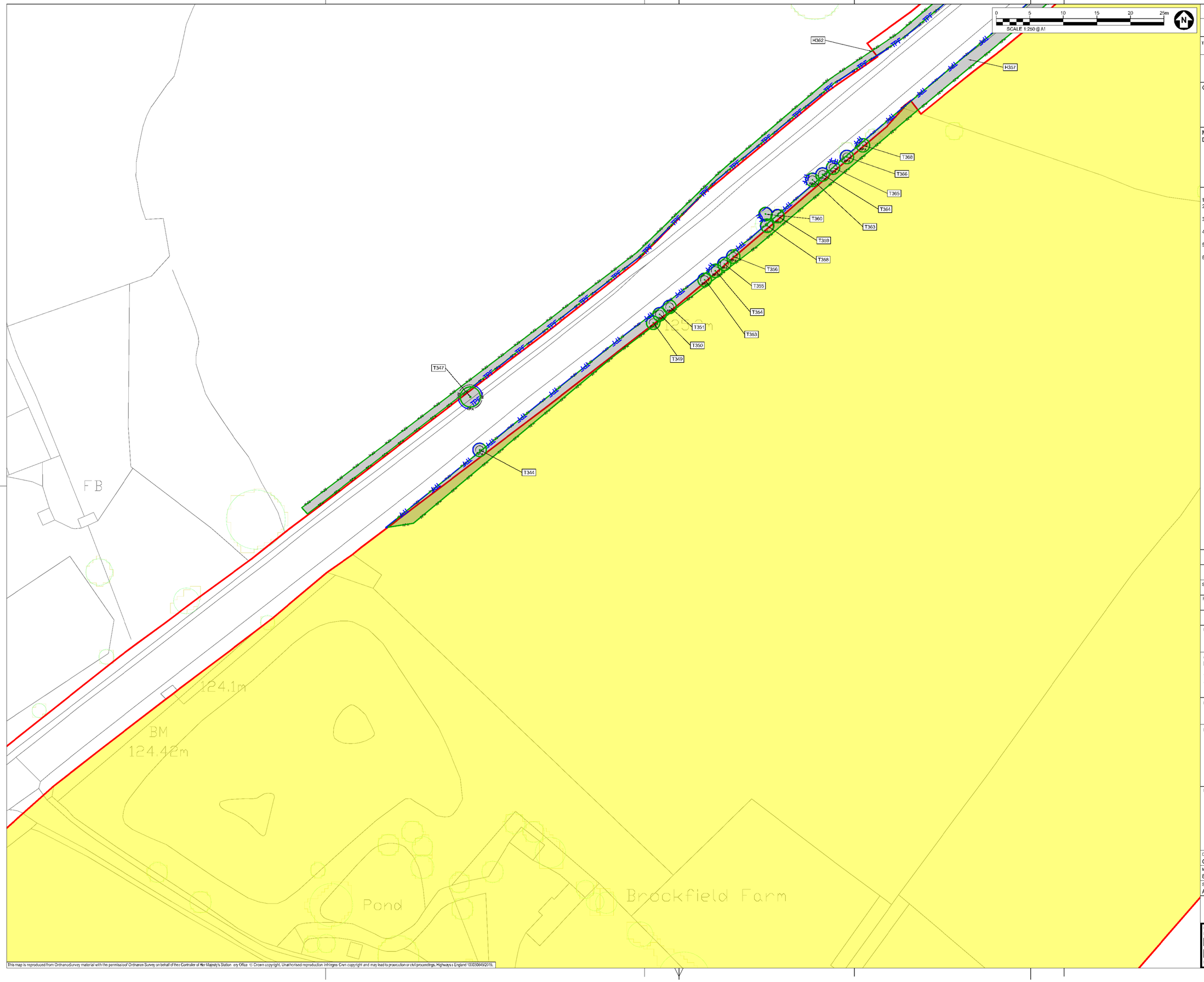
Drawing Number					Rev
Highways England PIN	Originator	Volume			
HE 514465	ACM	ELS			P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0211	



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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-S7-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- ORDER LIMITS
- EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREAS (RPA) OF RETAINED TREES *(AS DEFINED BY 5 5837:2012)*
- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
- CONSTRUCTION WORKING ZONE *(MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)*
- PROPOSED DEVELOPMENT LAYOUT *(BASED UPON DRAWING REFS. HE514465-ACM-HGN-M54_SW_PR_TJMD-CH-1001)*
- NATIONAL TREE MAP (NTM) DATA *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW		28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 12 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60539736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWN	Landscape

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Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	ACM	ELS	P02
Location	Type	Role	Number
M54_SW_PR_Z	DR	AB	0212

SCALE 1:250 @ A1

T371*
T367*
G369*
G370
3+400
SC 3+769.067
PI
Ward Brook
PI 3+716.534
Ls 125.000m
Ys 4.360m
Xs 124.887m
LT 72.467m
ST 52.602m
3+700
G346
CS 3+644.067
PI 3+602.035
¬ 01°40'24.3" LT
T 42.039m
L 84.071m
R 2878.500m
PC 3+559.996
CT 3+644.067
3+600
PI
PC 3+559.996
CS
G341
W342
T340*
T339*
T338*
G337
Pond
1.22m TK H
RPA
TPF

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Second Issue	CC	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 13 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60539736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location		Type	Role / Number	
M54_SW_PR_Z		DR	AB 0213	

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Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of Issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN
SHEET 14 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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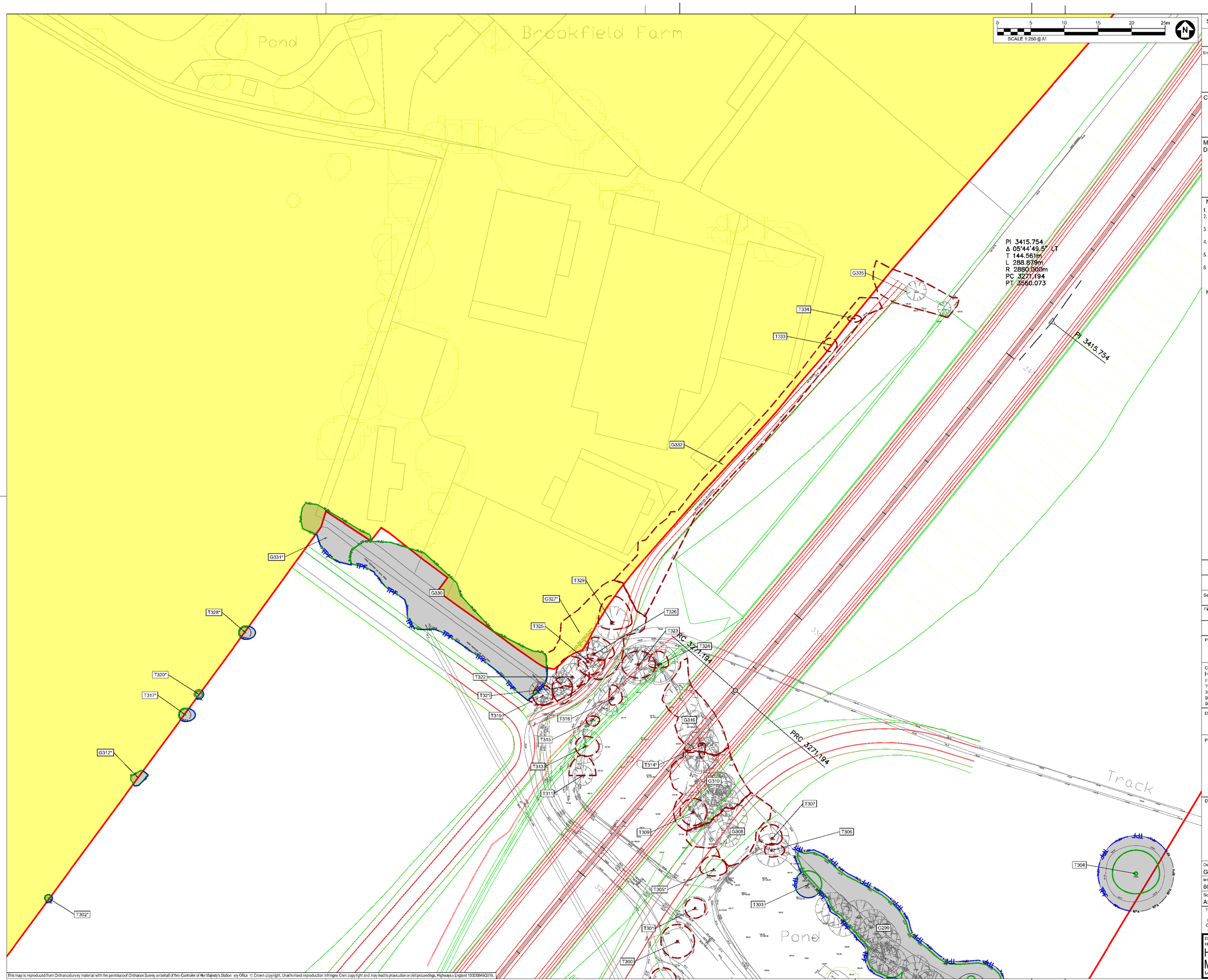
Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
M54_SW_PR_Z - DR - AB - 0214
Location | Type | Role | Number

Rev P02



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02	
Final Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue: DCO APPLICATION

Client: Highways England, Floor 5, Two Colmore Square, 38 Corporate Circus, Birmingham, B4 6BN

Development Consent Order Number: TR010054

Project Title: M54 to M6 Link Road

Drawing Title: TREE PROTECTION PLAN SHEET 15 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWNV	Zone Landscape

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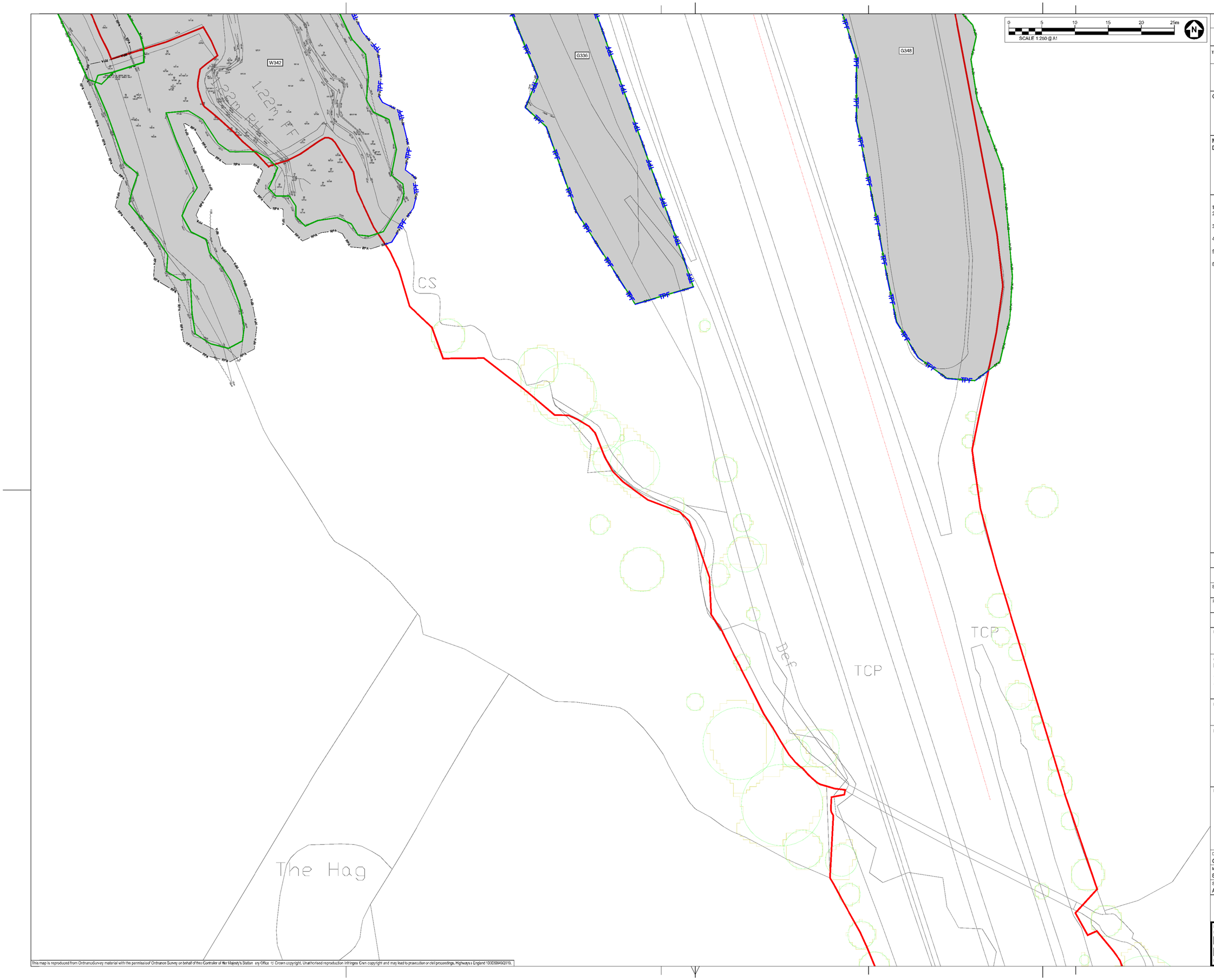
Drawing Number					Rev
Highways England PIN	Originator		Volume		
HE 514465	ACM		ELS		P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0215	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 16 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna. Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWN/	Landscape

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Drawing Number					Rev
Highways England PIN	Originator	Volume			
HE 514465	ACM	ELS			P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0216	

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   'OS MasterMap Topography incl. Labels'

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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 17 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN H/AS SHOWN V	Zone Landscape

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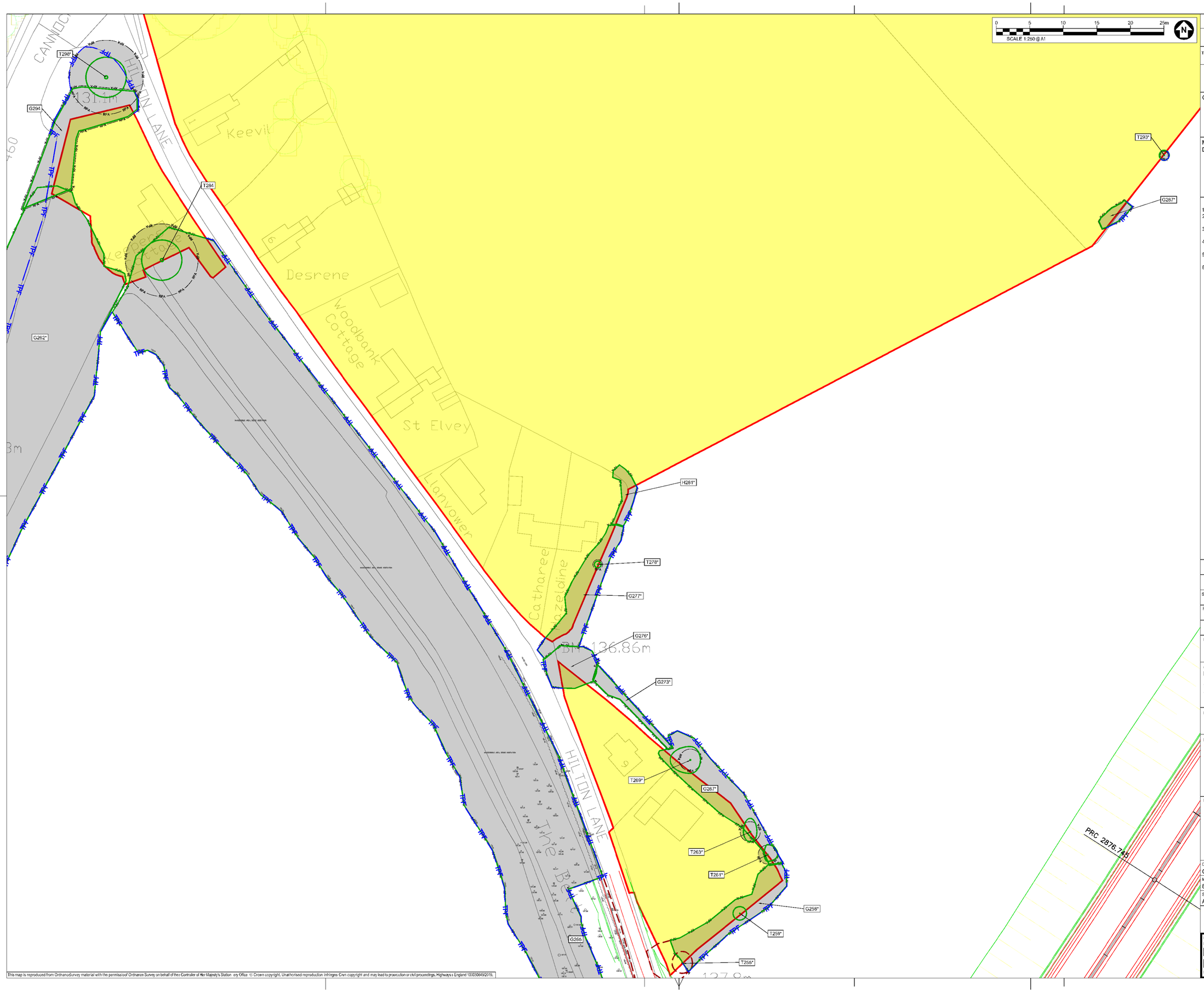
Drawing Number					Rev
Highways England PIN	Originator	Volume			
HE 514465	ACM	ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0217	



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Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 18 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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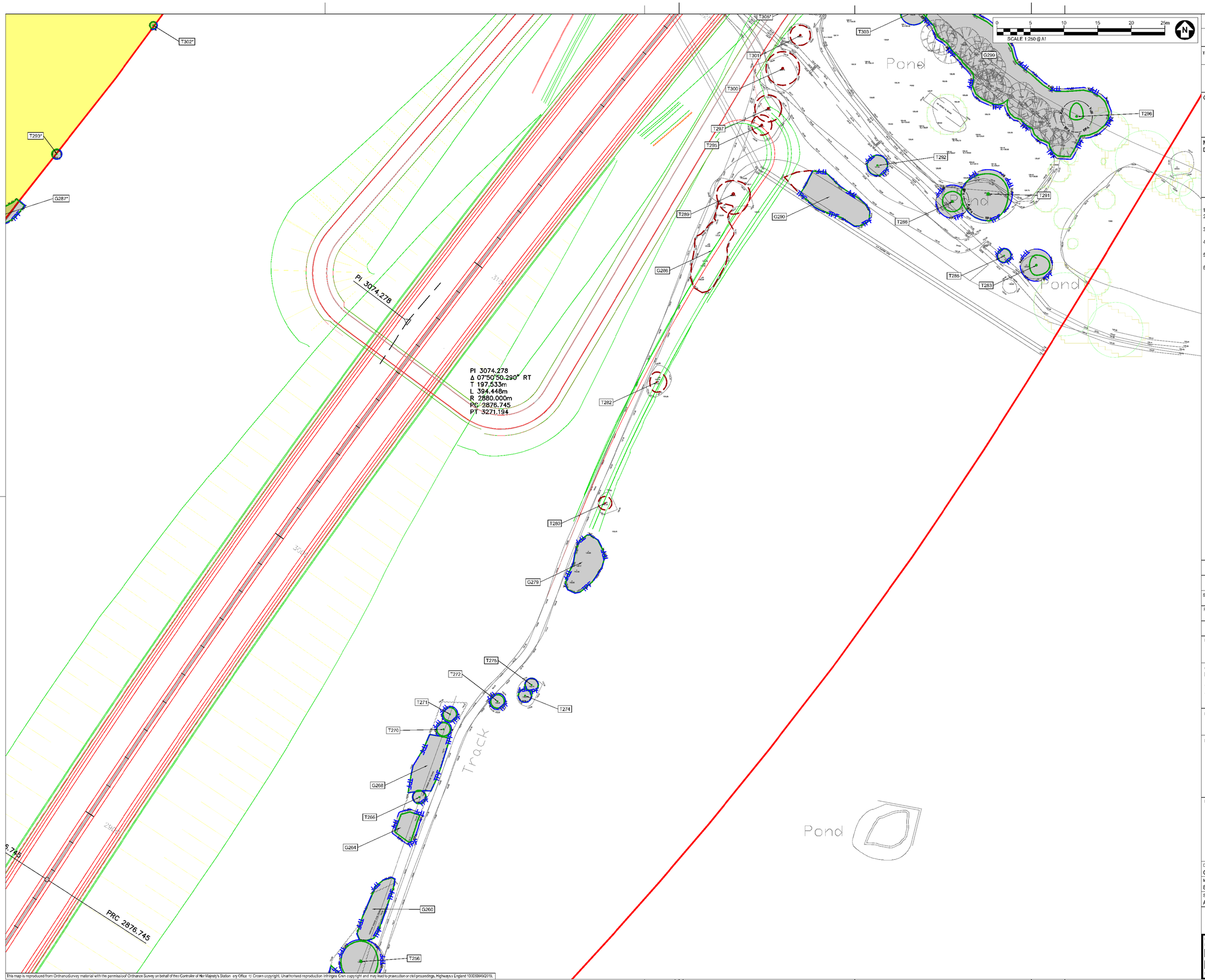
Drawing Number					Rev
Highways England PIN	Originator	Volume			
HE 514465	ACM	ELS			P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0218	



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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
4. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT.
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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-S7-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
- **EXISTING TREE, GROUP OR HEDGE TO BE REMOVED**
- **ROOT PROTECTION AREAS (RPA) OF RETAINED TREES** *(AS DEFINED BY BS 5837:2012)*
- **TREE PROTECTION FENCING**
- **CONSTRUCTION EXCLUSION ZONE** *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
- **CONSTRUCTION WORKING ZONE** *(MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)*
- **PROPOSED DEVELOPMENT LAYOUT** *(BASED UPON DRAWING REFS. HE514465-ACM-HGN-M54_SW_PR_TJM3-CH-1001)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC	AW	28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 19 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna. Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWN/	Landscape

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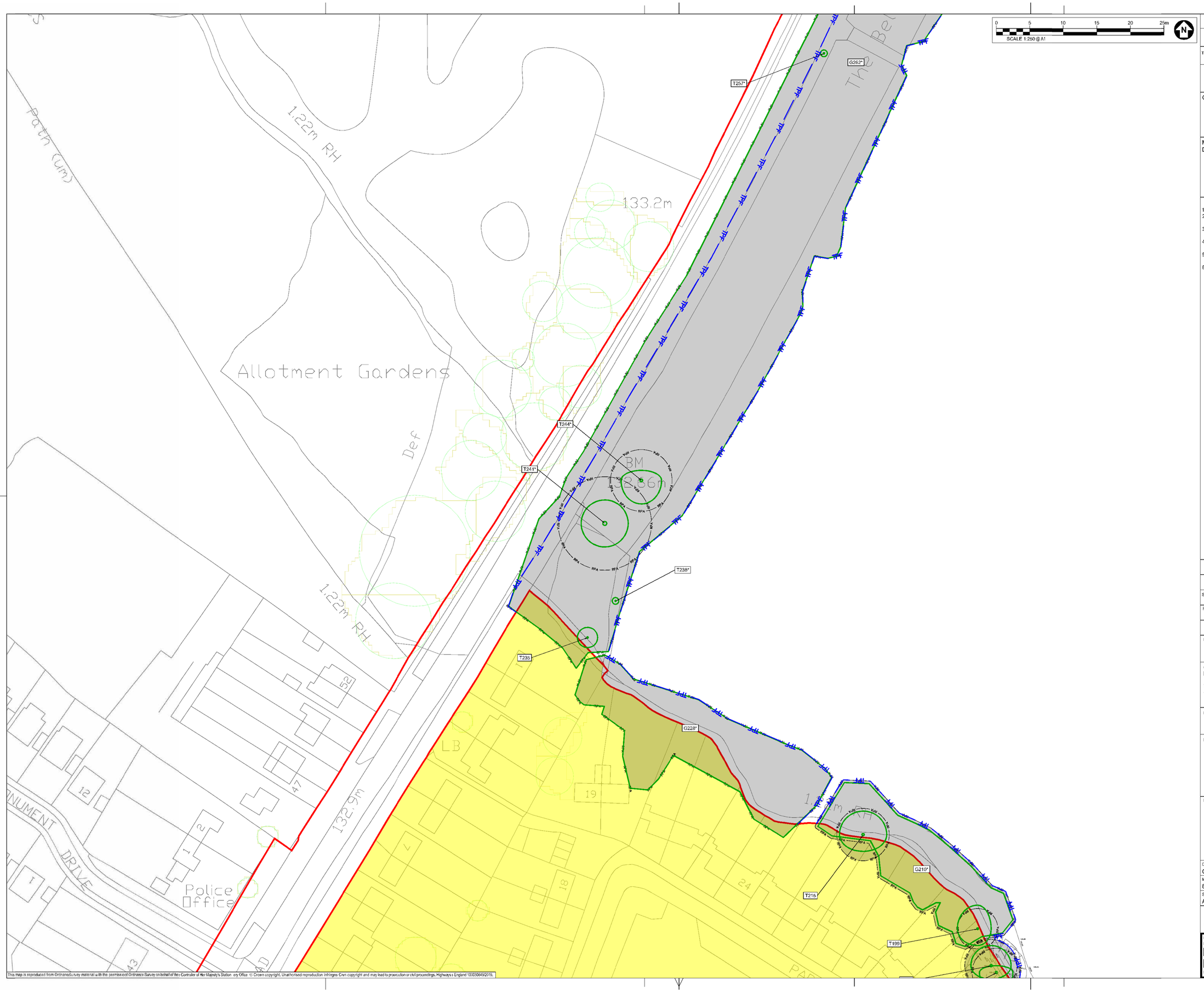
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	ACM	ELS	P02
Location	Type	Role	Number
M54_SW_PR_Z	DR	AB	0219



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

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- NATIONAL TREE MAP (NTM) DATA *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 20 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWNV	Zone Landscape

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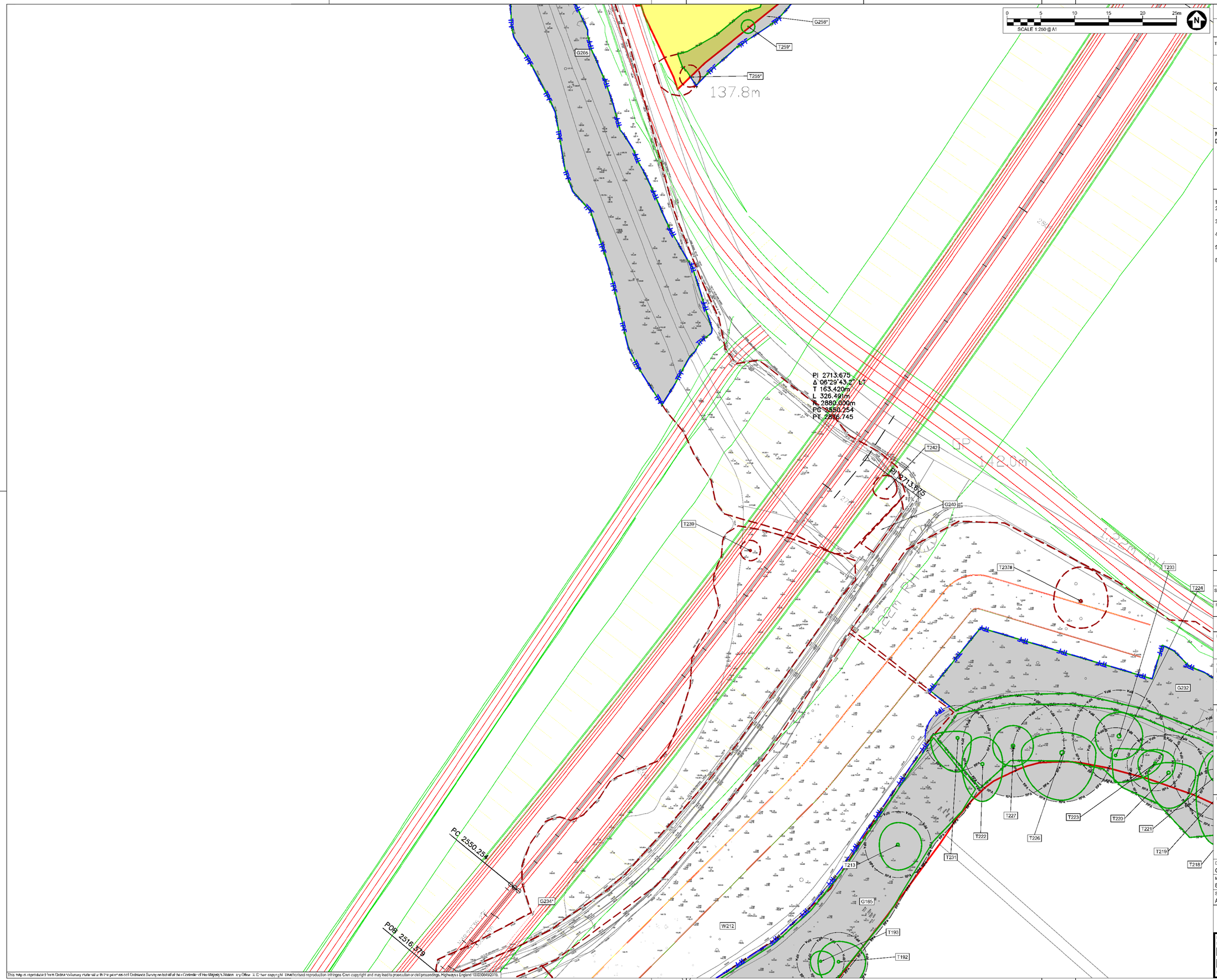
Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	ACM	ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0220	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

- ORDER LIMITS
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- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_PR_T-MEX-CH-1001)
- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 21 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWN	Zone Landscape

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Drawing Number					Rev.
Highways England PIN	Originator		Volume		
HE 514465	ACM		ELS		P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0221	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SF-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC AW		28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 22 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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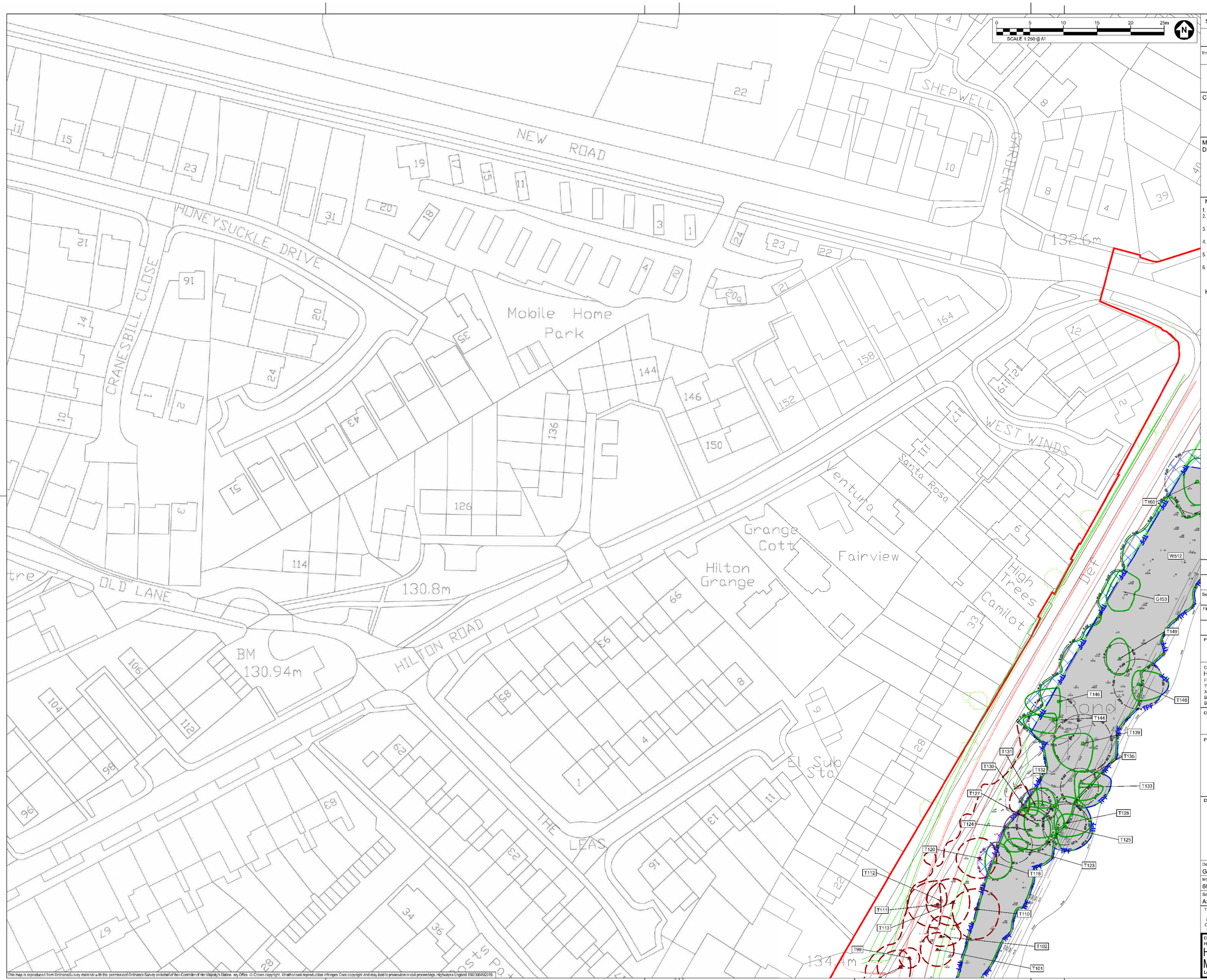
Drawing Number					Rev
Highways England PIN	Originator		Volume		
HE 514465	ACM		ELS		P02
M54_SW_PR_Z		DR	AB	0222	
Location		Type	Role	Number	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'WOLV-AECOM-P1-00-M3-SF-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue: **DCO APPLICATION**

Client: Highways England, Floor 5, Two Colmore Square, 38 Colmore Circus, Birmingham, B4 6BN

Development Consent Order Number: **TR010054**

Project Title: **M54 to M6 Link Road**

Drawing Title: **TREE PROTECTION PLAN SHEET 23 OF 47**

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna. Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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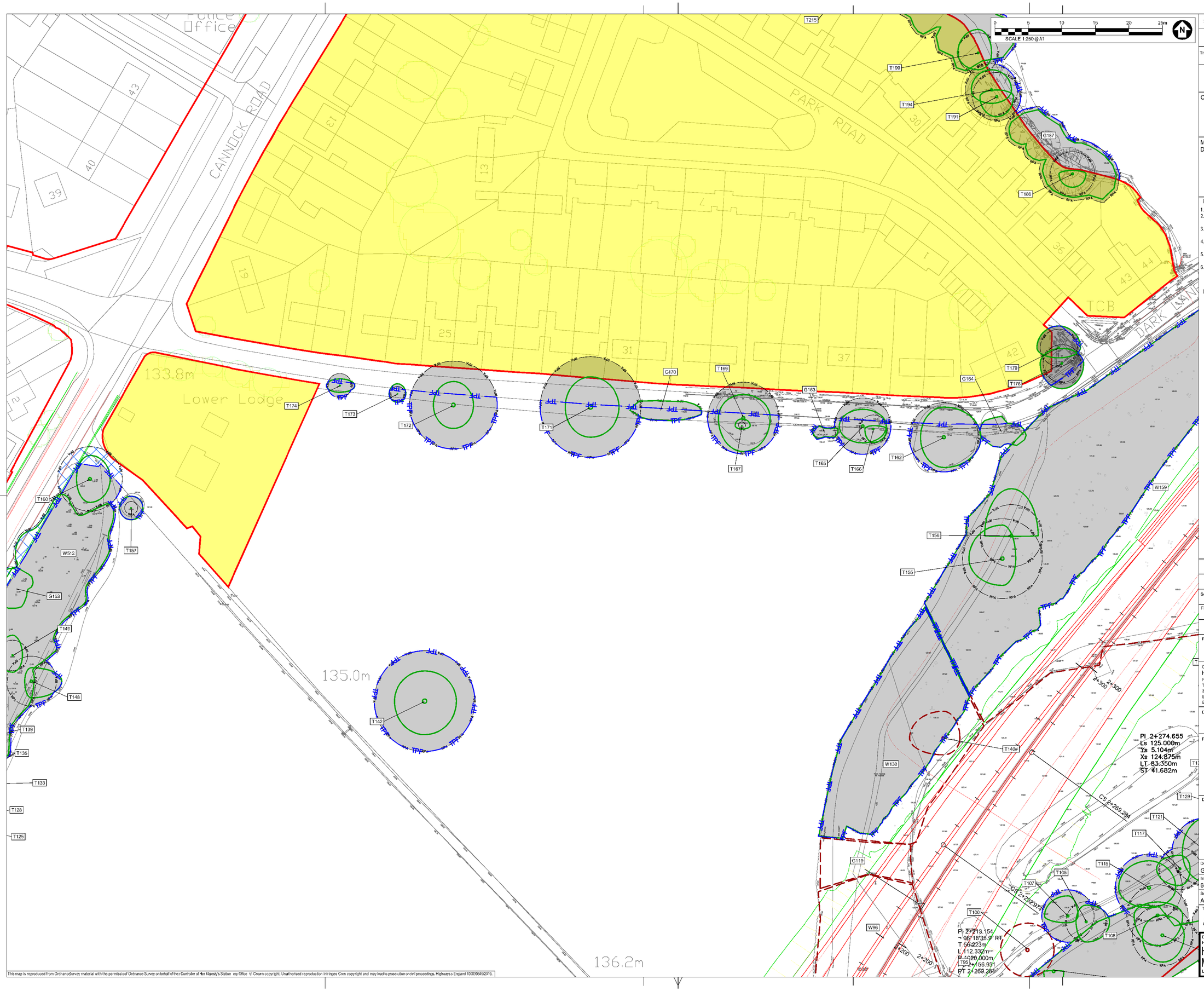
Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location		Type	Role / Number	
M54_SW_PR_Z		DR	AB / 0223	



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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

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- NATIONAL TREE MAP (NTM) DATA *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW		28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By / Check		Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 24 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location	Type	Role	Number	
M54_SW_PR_Z	DR	AB	0224	

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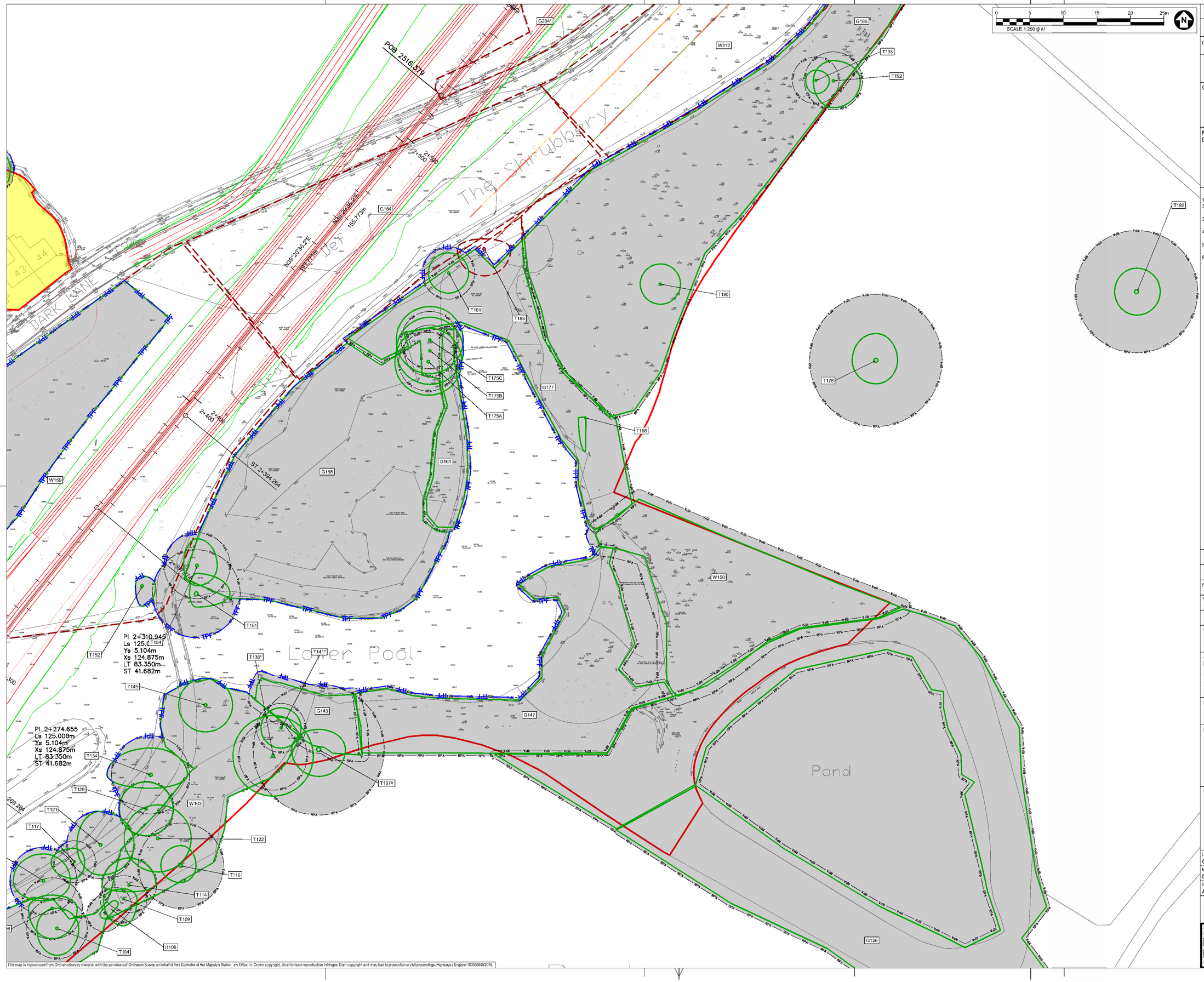

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-S7-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
- **EXISTING TREE, GROUP OR HEDGE TO BE REMOVED**
- **ROOT PROTECTION AREAS (RPA) OF RETAINED TREES** *(AS DEFINED BY 65 5837:2012)*
- **TREE PROTECTION FENCING**
- **CONSTRUCTION EXCLUSION ZONE** *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
- **CONSTRUCTION WORKING ZONE** *(MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)*
- **PROPOSED DEVELOPMENT LAYOUT** *(BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_FP_ZJMD-CH-1001)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 25 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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Drawing Number

Highways England PIN	Originator	Volume		Rev
HE 514465	ACM	ELS	-	P02
M54_SW_PR_Z	-	DR	AB 0225	
Location		Type	Role Number	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

1. TREE CATEGORIES AS DEFINED BY BS 5837:2012.
2. TREE LOCATIONS ARE BASED ON THE TOPOGRAPHICAL SURVEY AND GPS CO-ORDINATES FROM ON SITE WALKOVER.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-S7-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Cornone Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN
SHEET 26 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location		Type	Role / Number	
M54_SW_PR_Z		DR	AB 0226	

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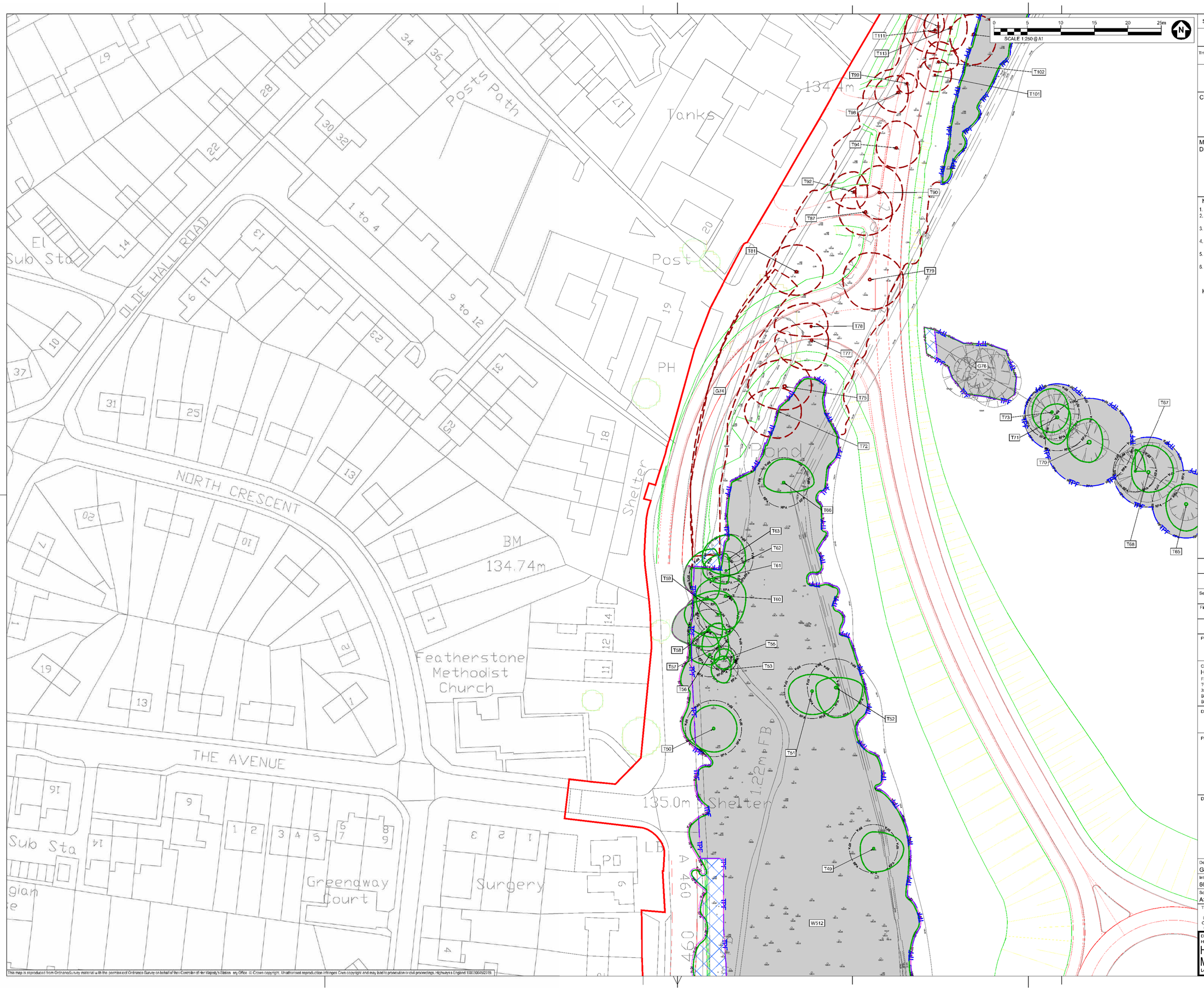

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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   'OS MasterMap Topography incl. Labels'

KEY

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- NATIONAL TREE MAP (NTM) DATA *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN
SHEET 27 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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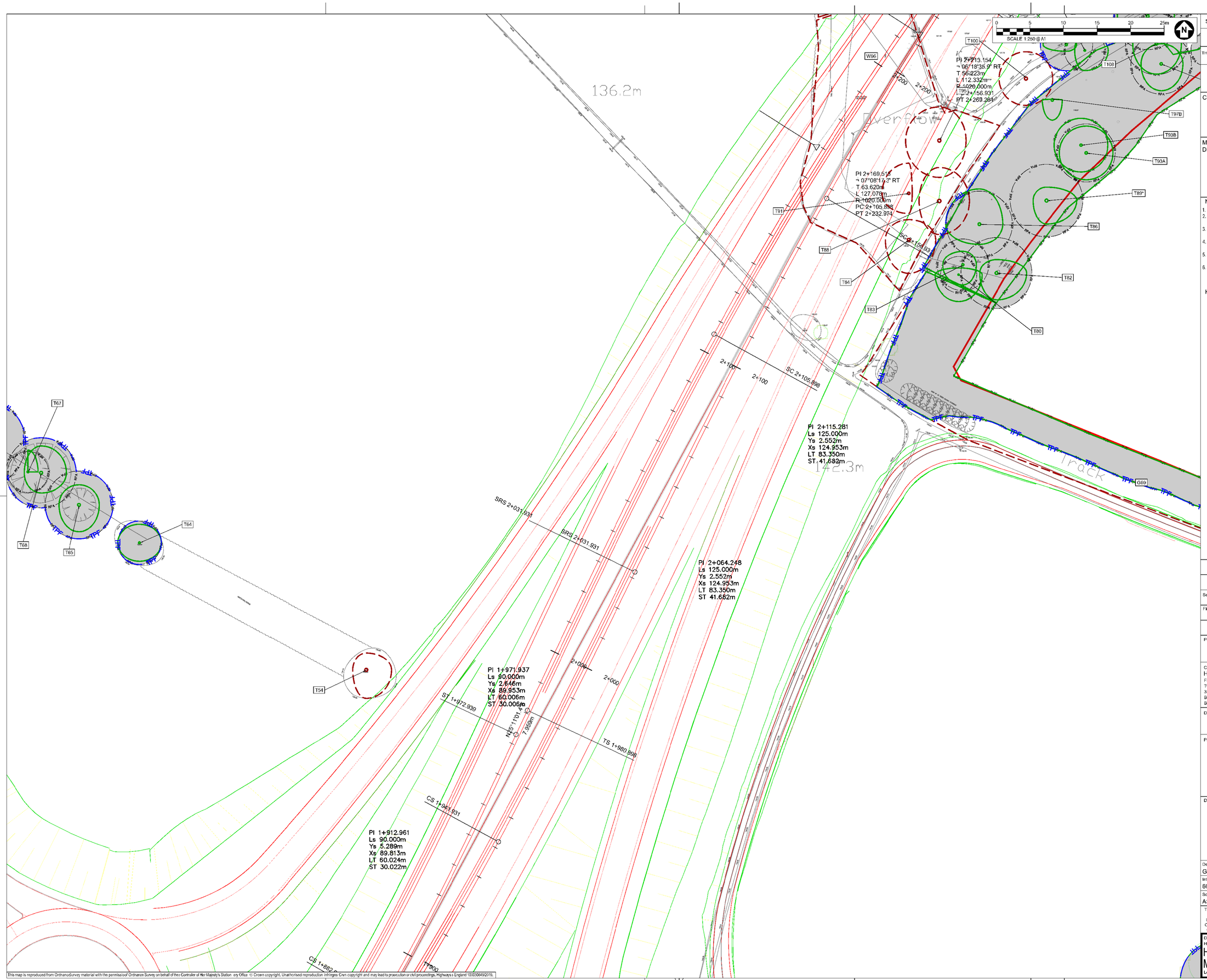
Drawing Number
Highways England P/N | Originator | Volume | Location | Type | Role | Number | Rev
HE 514465 - ACM - ELS - M54_SW_PR_Z - DR - AB - 0227 | P02



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

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- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFS. HE514465-ACM-HGN-M54_SW_PR_DR-0001)
- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of issue: DCO APPLICATION

Client: Highways England, Floor 5, Two Colmore Square, 38 Cornmore Circus, Birmingham, B4 6BN

Development Consent Order Number: TR010054

Project Title: M54 to M6 Link Road

Drawing Title: TREE PROTECTION PLAN SHEET 28 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWNV	Landscape

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Drawing Number: Highways England PIN | Originator | Volume | Location | Type | Role | Number | Rev

HE 514465 - ACM - ELS - M54_SW_PR_Z - DR - AB - 0228 | P02

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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   'WOLV-AECOM-P1-00-M3-SF-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
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- **PROPOSED DEVELOPMENT LAYOUT** *(BASED UPON DRAWING REFS. HE514465-ACM-HGN-M54_SW_PR_TJMD-CH-1001)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Fiber 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 29 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWN	Landscape

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Drawing Number					Rev
Highways England PIN	Originator	Volume			
HE 514465	ACM	ELS			P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0229	

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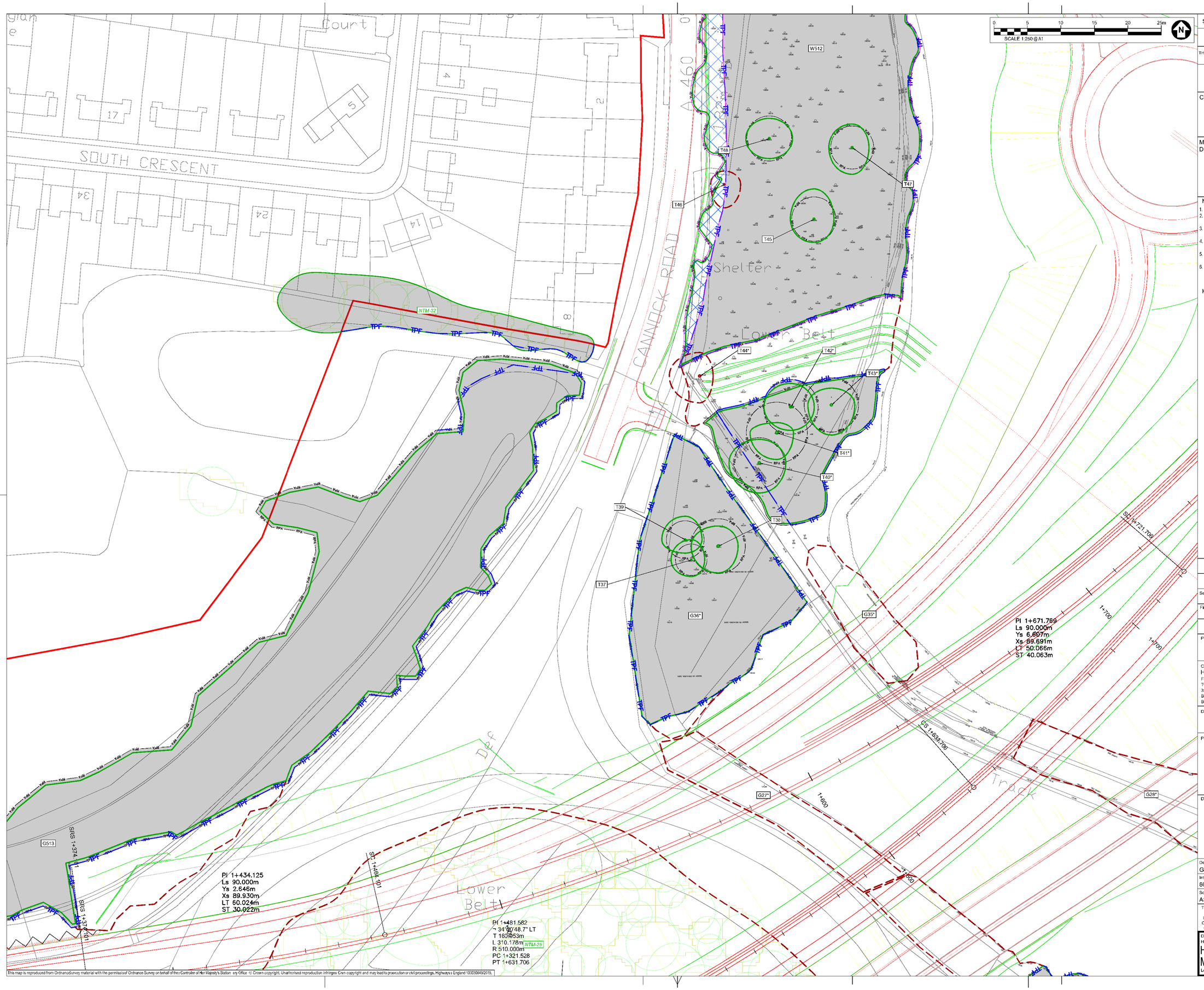

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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   'WOLV-AECOM-P1-00-M3-SF-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- ORDER LIMITS
- EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
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- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 30 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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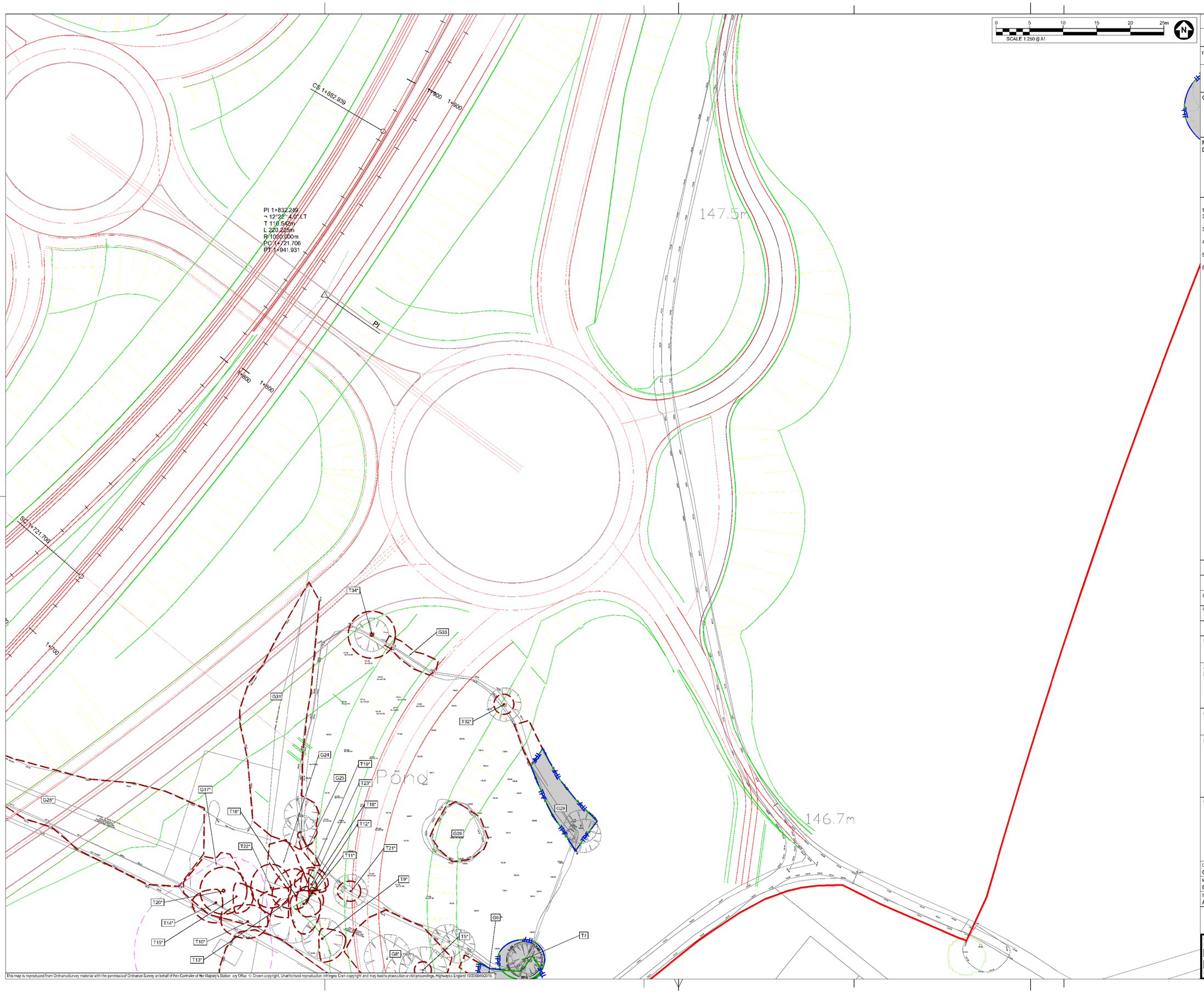
Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location	Type	Role	Number	
M54_SW_PR_Z	DR	AB	0230	



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0 5 10 15 20 25m
SCALE 1:250 @ A1

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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KEY

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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN SHEET 31 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
Location | Type | Role | Number
M54_SW_PR_Z - DR - AB - 0231

Rev P02

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-SF-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- ORDER LIMITS
- EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREAS (RPA) OF RETAINED TREES (AS DEFINED BY 15 5837:2012)
- TPF TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE (TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)
- CONSTRUCTION WORKING ZONE (MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)
- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFS. HE514465-ACM-HGN-M54_SW_FP_TJM3-CH-1001)
- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 32 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWN	Zone Landscape

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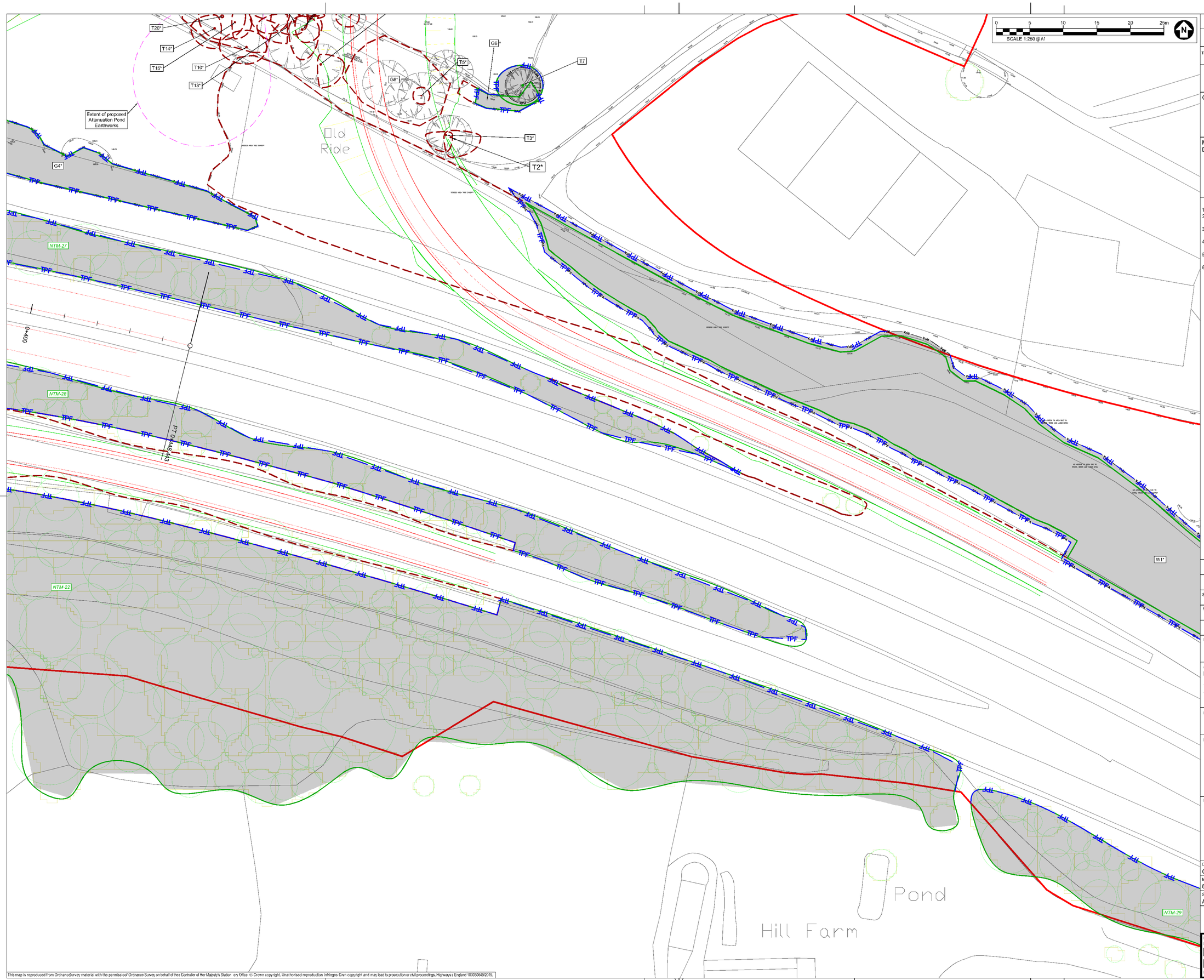
Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
Location | Type | Role | Number
M54_SW_PR_Z - DR - AB - 0232

Rev P02



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 33 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWNV	Zone Landscape

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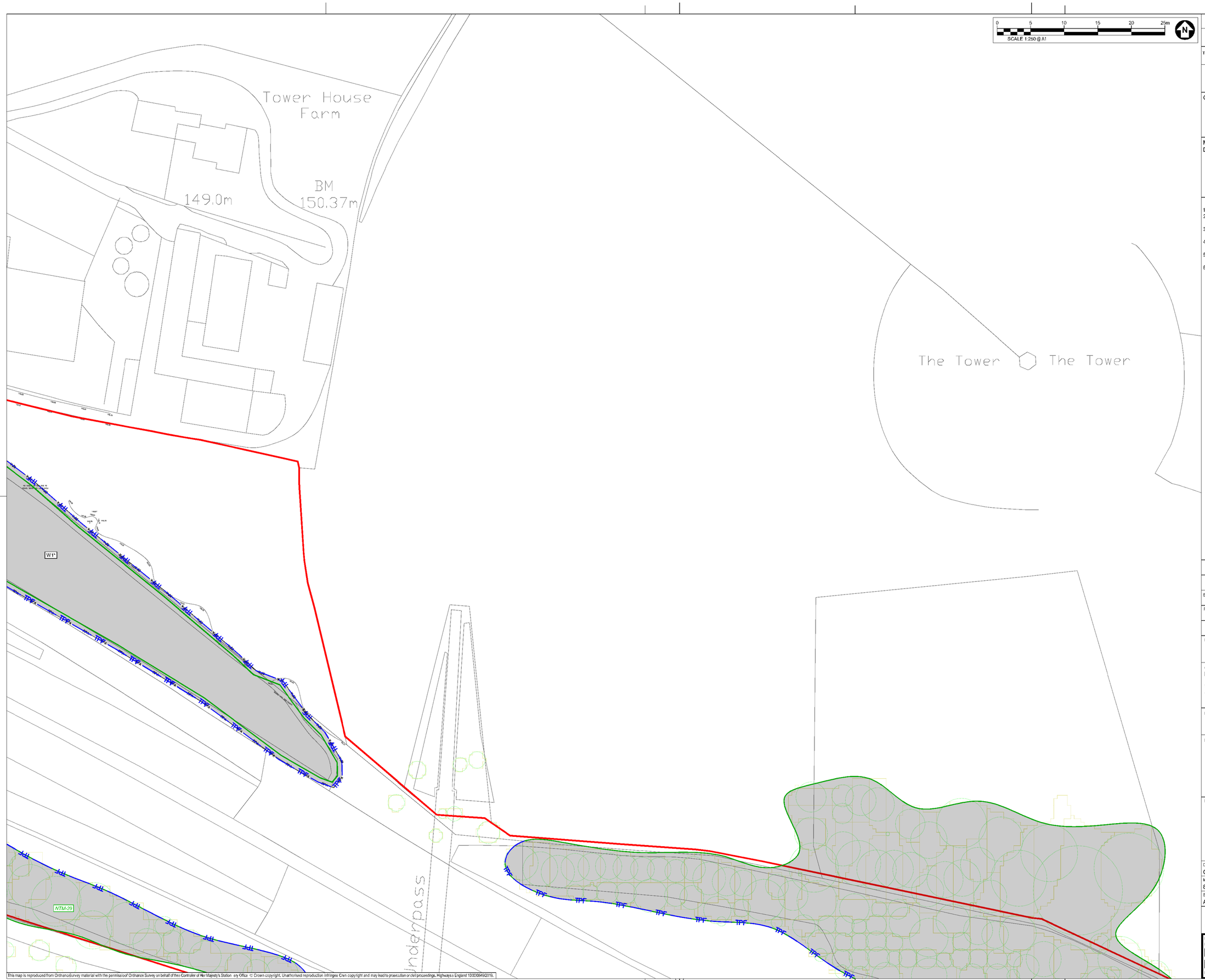
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	ACM	ELS	P02
Location	Type	Role	Number
M54_SW_PR_Z	DR	AB	0233



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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
- **EXISTING TREE, GROUP OR HEDGE TO BE REMOVED**
- **ROOT PROTECTION AREAS (RPA) OF RETAINED TREES** *(AS DEFINED BY 65 5837:2012)*
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- **PROPOSED DEVELOPMENT LAYOUT** *(BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_FP_7-MD-CH-1001)*
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Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of Issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 34 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60538736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWNV	Landscape

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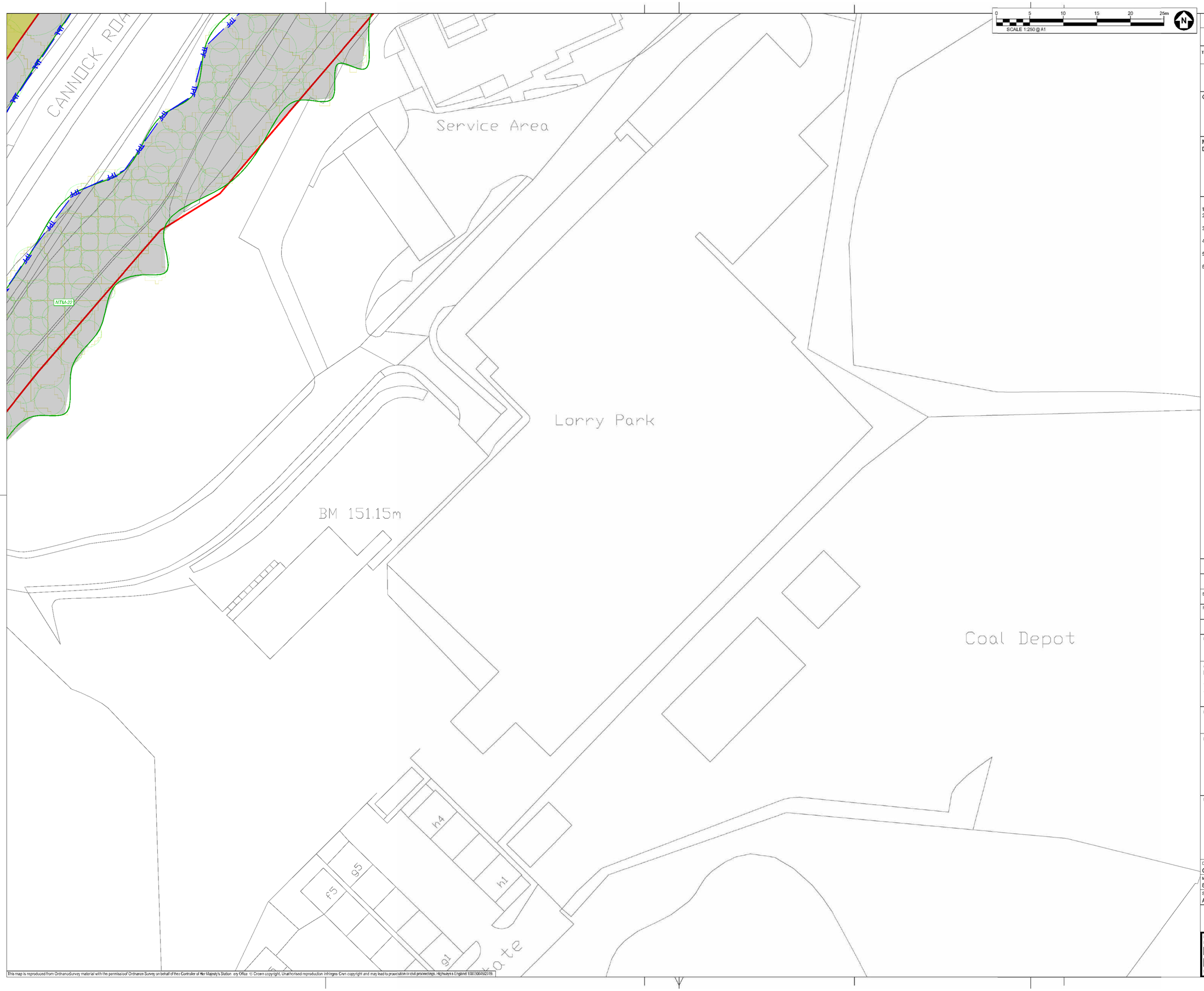
Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	ACM	ELS	-		P02
M54_SW_PR_Z		DR	AB	0234	
Location		Type	Role	Number	



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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 35 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWNH/AS SHOWNV	Zone Landscape

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Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	ACM	ELS	-		P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0235	

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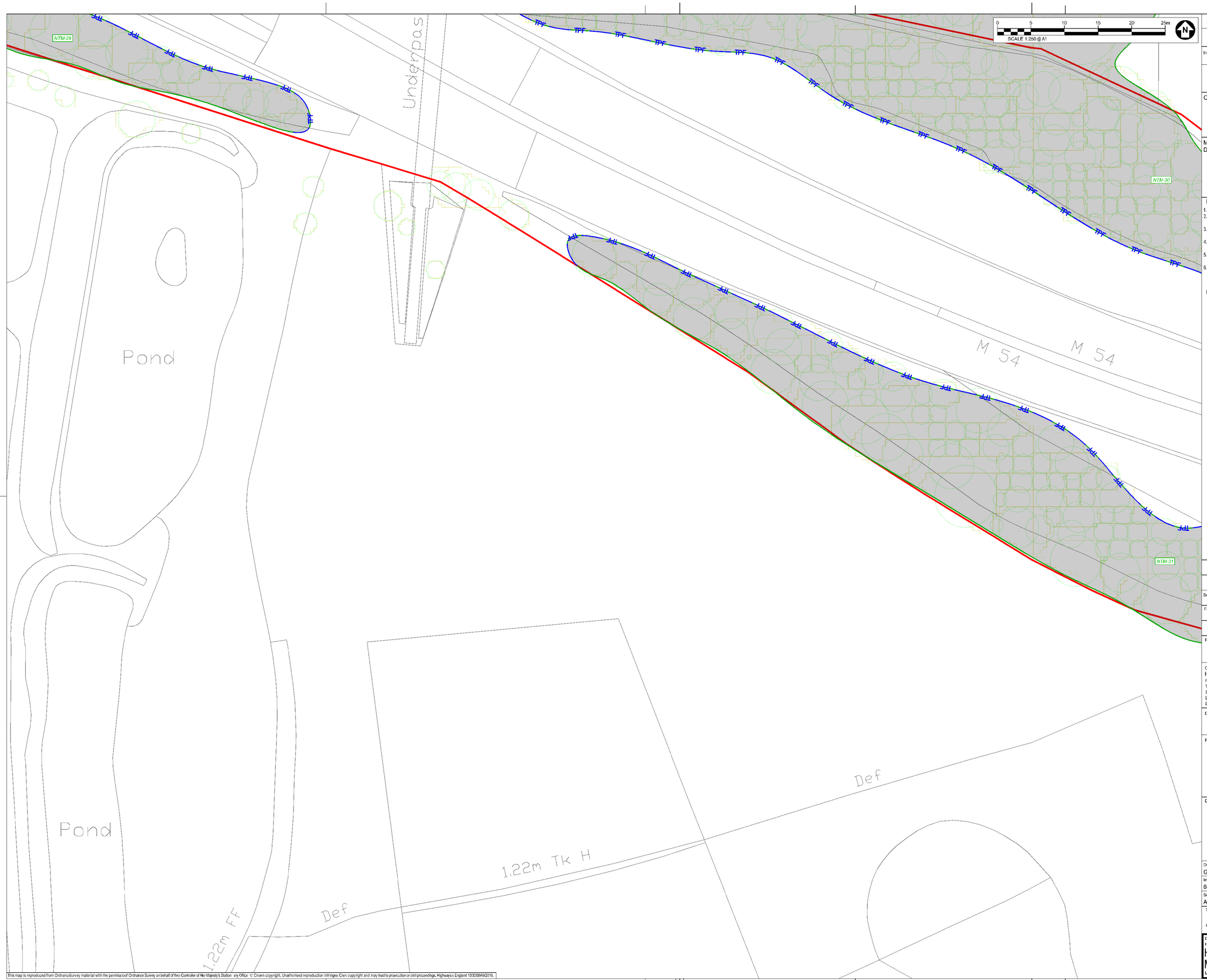

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   'OS MasterMap Topography incl. Labels'

KEY

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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 36 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWN/V	Landscape

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Drawing Number						Rev
Highways England PIN		Originator		Volume		
HE 514465	-	ACM	-	ELS	-	P02
Location		Type	Role	Number		
M54_SW_PR_Z		DR	AB	0236		

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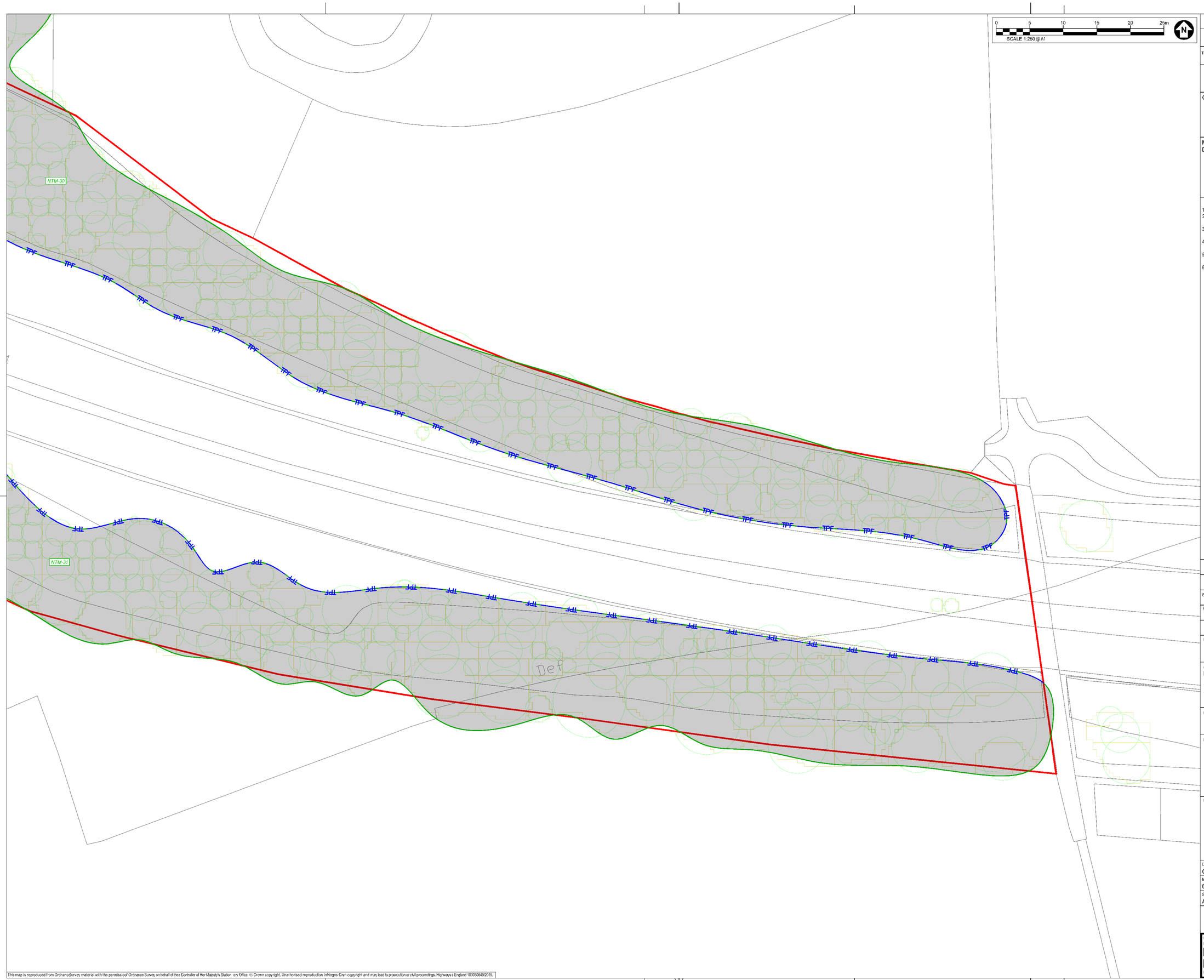

0 5 10 15 20 25m
SCALE 1:250 @ A1

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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   'OS MasterMap Topography incl. Labels'

KEY

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Second Issue	CC / AW	28/09/20	P02
First Issue	/	23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN
SHEET 37 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna. Project No. 60536736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWN	Zone Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
Location | Type | Role | Number
M54_SW_PR_Z - DR - AB - 0237

Rev P02

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0 5 10 15 20 25m
SCALE 1:250 @ A1

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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Second Issue	CC	AW	28/09/20	P02
First Issue			23/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN
SHEET 38 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60535736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location	Type	Role	Number	
M54_SW_PR_Z	DR	AB	0238	

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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3. * INDICATES A TREE / GROUP WHOSE POSITION IS APPROXIMATE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-S7-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- ORDER LIMITS
- EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
- ROOT PROTECTION AREAS (RPA) OF RETAINED TREES *(AS DEFINED BY 5 5837:2012)*
- TREE PROTECTION FENCING
- CONSTRUCTION EXCLUSION ZONE *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
- CONSTRUCTION WORKING ZONE *(MANAGED CONSTRUCTION PROCESSES PERMITTED IN ACCORDANCE WITH THE PRINCIPLES SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)*
- PROPOSED DEVELOPMENT LAYOUT *(BASED UPON DRAWING REFS. HE514465-ACM-HGN-M54_SW_PR_Z-MDI-CH-1001)*
- NATIONAL TREE MAP (NTM) DATA *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 39 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna. Project No.	Suitability
60538736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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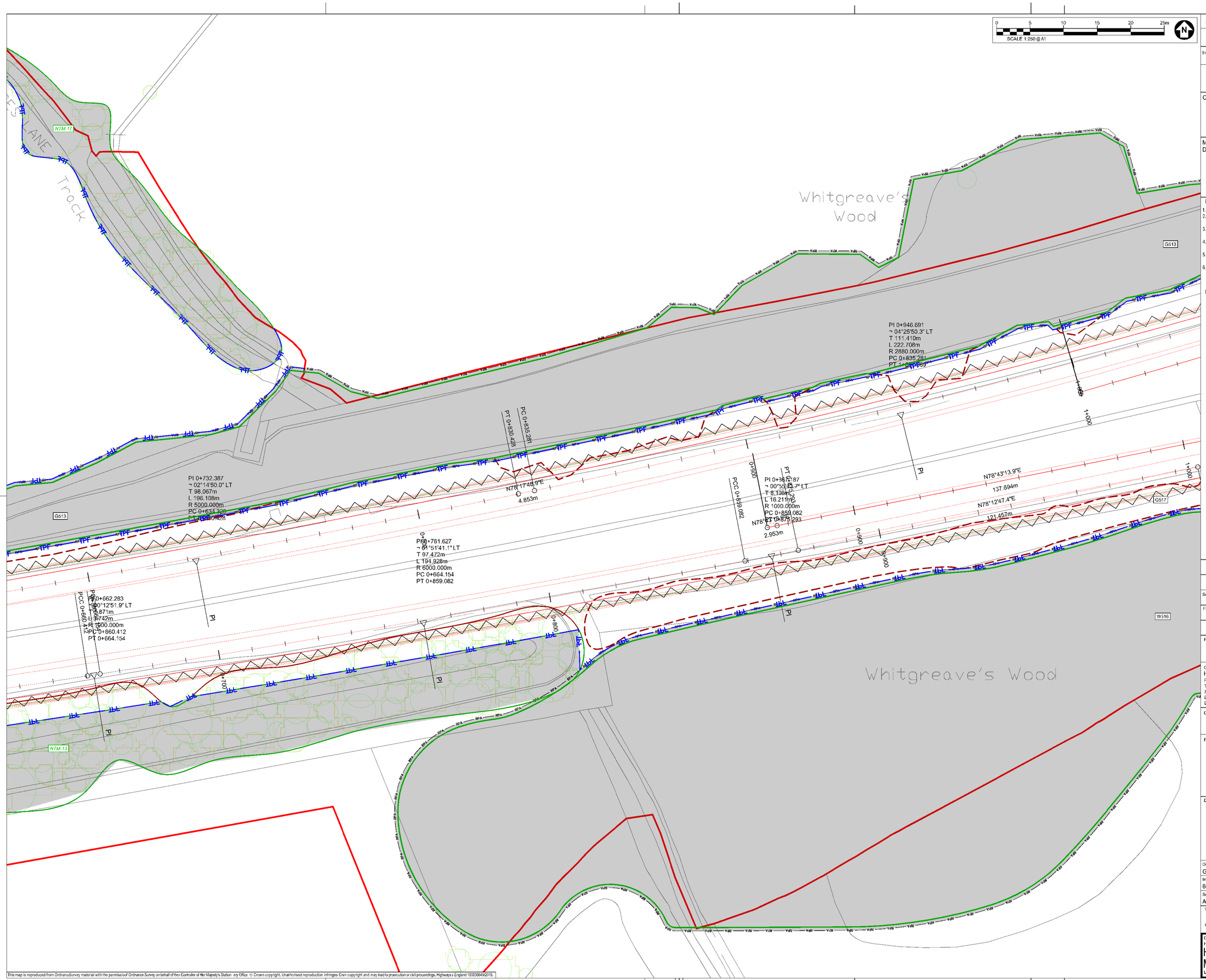
Drawing Number

Highways England PIN	Originator	Volume	Rev
HE 514465	ACM	ELS	P02
Location	Type	Role	Number
M54_SW_PR_Z	DR	AB	0239



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MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

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- PROPOSED DEVELOPMENT LAYOUT (BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_P2_2-MD-CH-1001)
- NATIONAL TREE MAP (NTM) DATA (BLUESKY INTERNATIONAL LTD.)

Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01

Purpose of Issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 40 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60538736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
M54_SW_PR_Z - DR - AB - 0240
Location | Type | Role | Number

Rev P02

0 5 10 15 20 25m
SCALE 1:250 @ A1

Pond

120.4m

BROOKHOUSE LANE

WHITE HOUSES LANE

Track

NTM-15

NTM-16

NTM-17

G513

PI 0+447.700
¬ 00°24'00.5" LT
T 12.953m
L 25.906m
R 3709.542m
PC 0+434.747
PT 0+460.653

PC 0+434.747

PRC 0+460.653

PRC 0+469.631

PI 0+465.142
¬ 00°30'51.7" RT
T 4.489m
L 8.977m
R 1000.000m
PC 0+460.653
PT 0+469.631

PC 0+595.244

PI 0+607.374
¬ 00°31'09.5" LT
T 12.130m
L 24.260m
R 2678.545m
PC 0+595.244
PT 0+619.504

PCC 0+619.504

PI 0+628.912
¬ 00°59'56.2" LT
T 7.409m
L 14.811m
R 1000.000m
PC 0+619.504
PT 0+634.320

PI 0+565.033
¬ 02°11'04.6" LT
T 95.402m
L 190.781m
R 5003.650m
PC 0+469.631
PT 0+660.412

PI

PI

PI

0+600

0+500

0+600

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

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   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
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- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN SHEET 41 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No. 60538736	Suitability S8
Scale @ A1 AS SHOWN/AS SHOWNV	Zone Landscape

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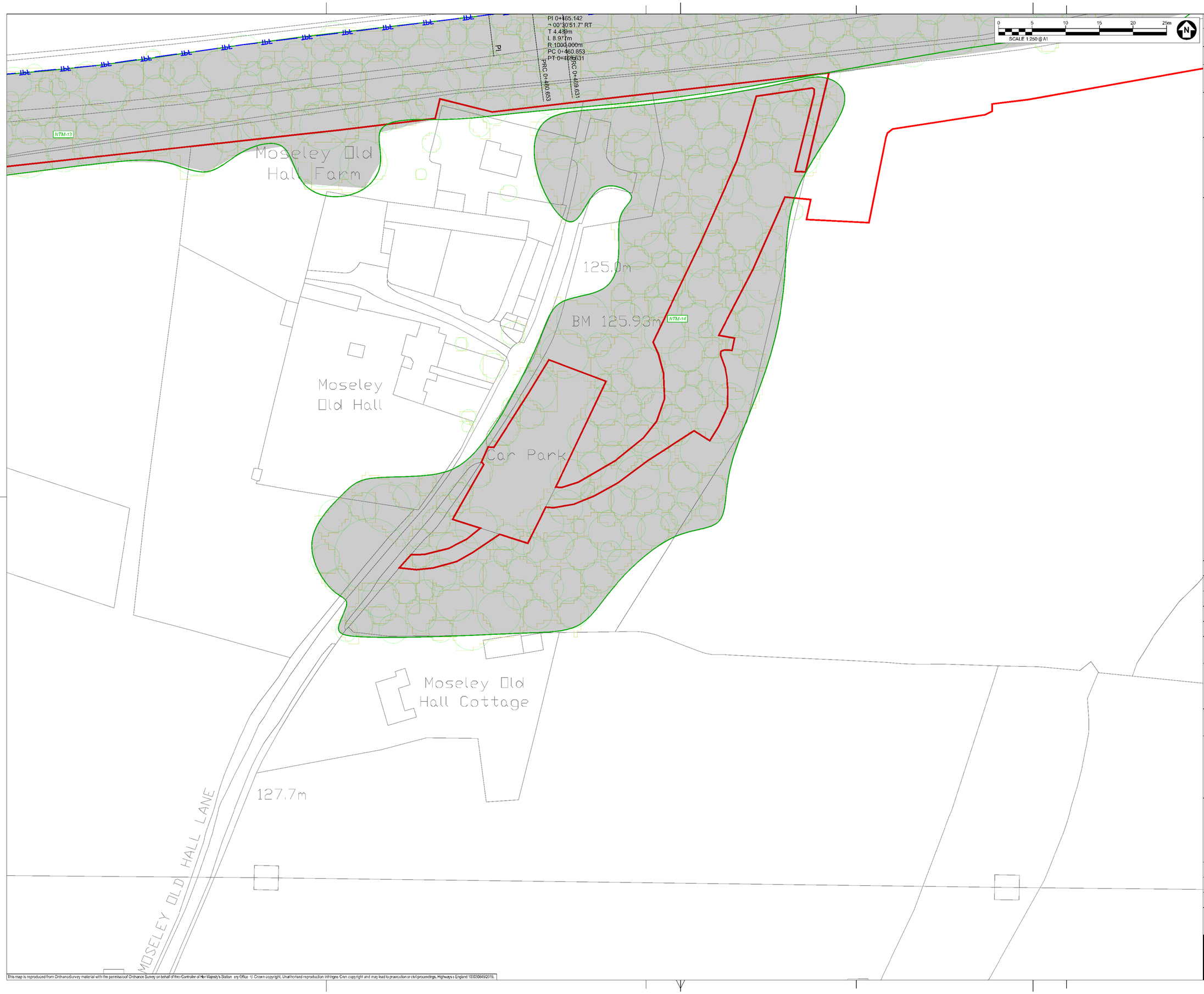
Drawing Number					Rev
Highways England PIN	Originator		Volume		
HE 514465	ACM		ELS		P02
M54_SW_PR_Z			DR	AB 0241	
Location			Type	Role Number	



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KEY

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Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 42 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWN	Landscape

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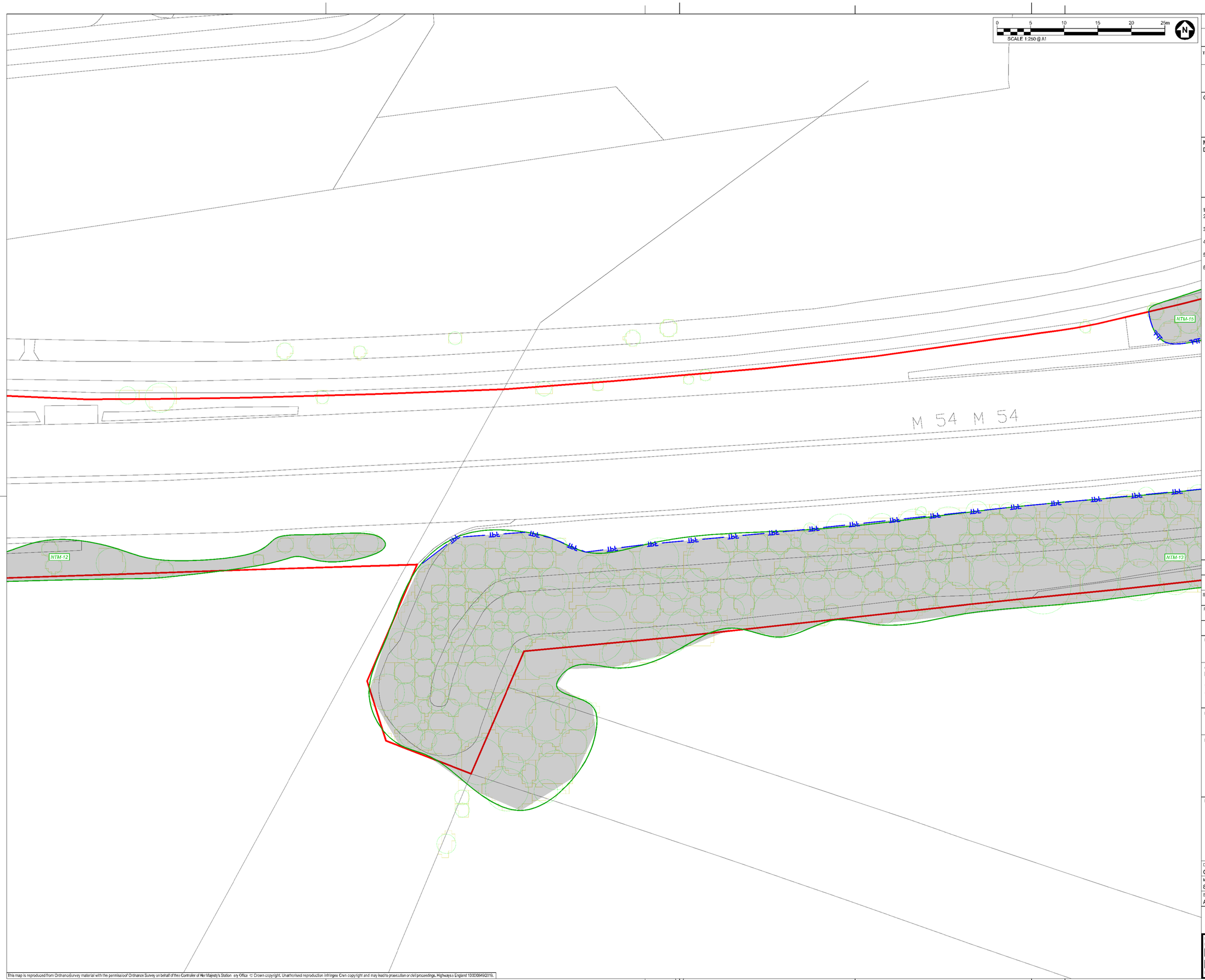
Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
M54_SW_PR_Z - DR - AB - 0242
Location | Type | Role | Number

Rev P02



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Second Issue	CC / AW	28/09/20	P02
Final Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 43 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWNH/AS SHOWNV	Landscape

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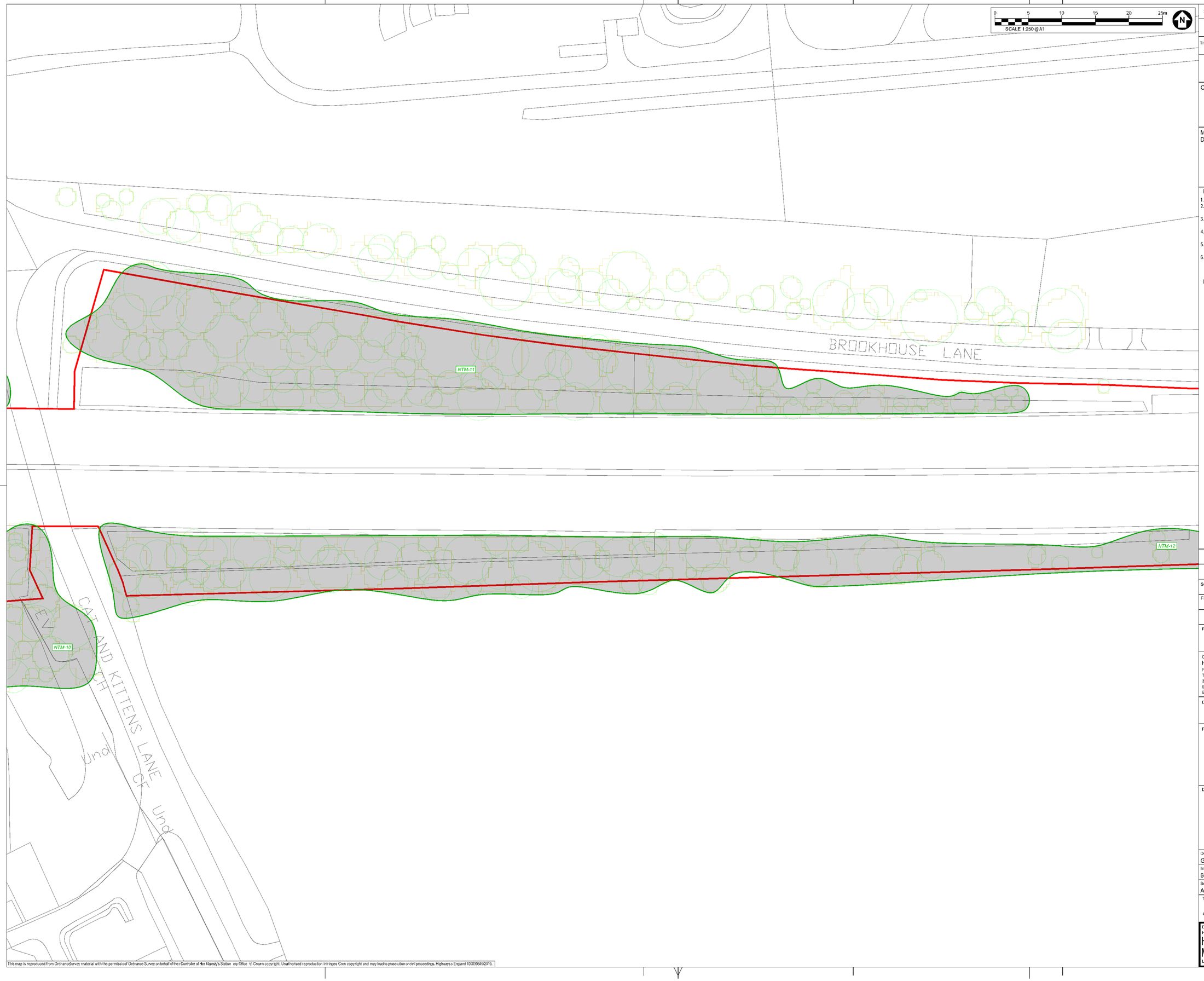
Drawing Number

Highways England PIN	Originator	Volume	Type	Role	Number	Rev
HE 514465	ACM	ELS	DR	AB	0243	P02
Location						
M54_SW_PR_Z						



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   'OS MasterMap Topography incl. Labels'

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Second Issue	CC / AW	28/09/20	P02	
First Issue		23/01/20	P01	
Revision Details	By / Check	Date	Suffix	

Purpose of Issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 44 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWNV	Landscape

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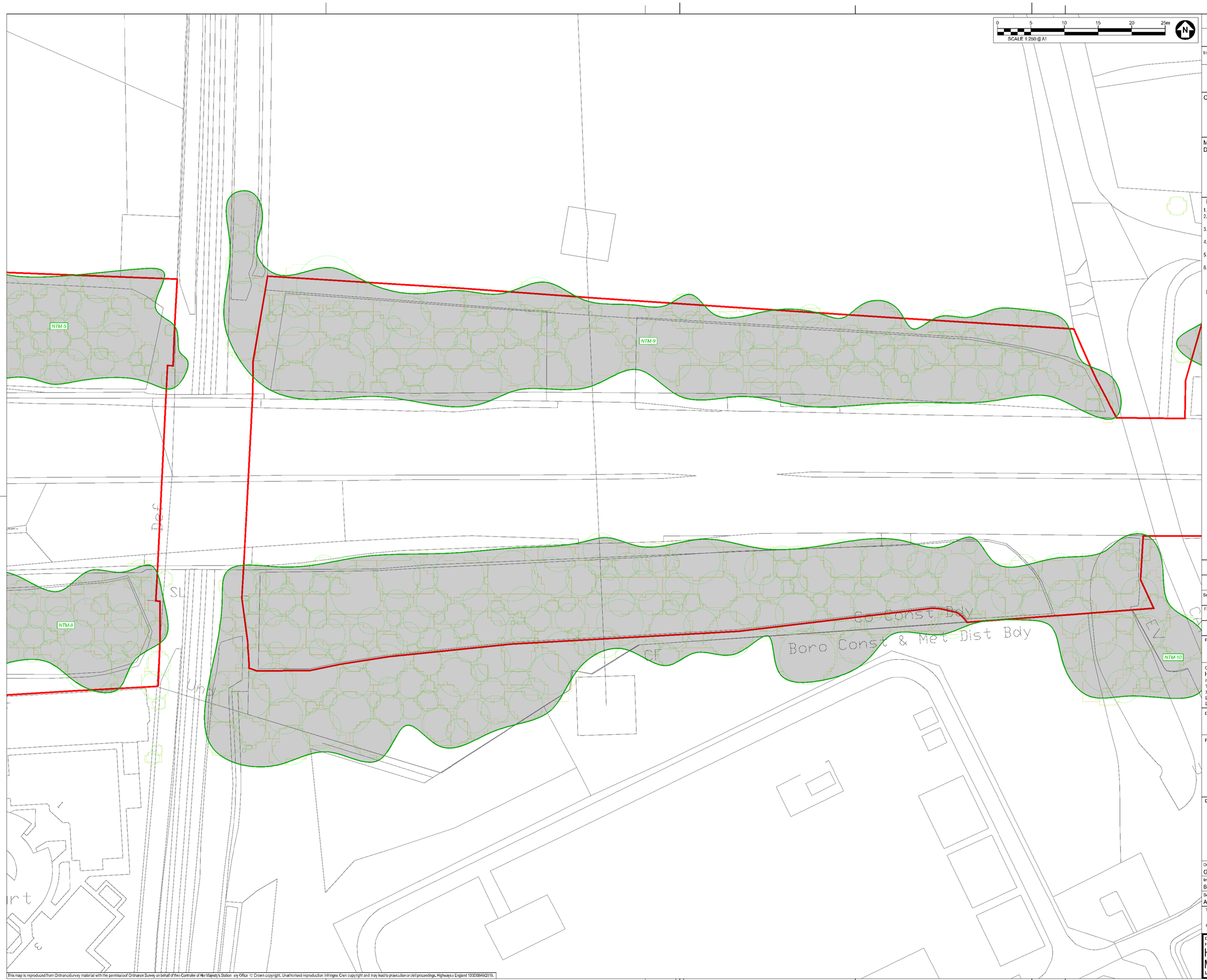
Drawing Number

Highways England PIN	Originator	Volume			Rev
HE 514465	ACM	ELS	-	-	P02
Location		Type	Role	Number	
M54_SW_PR_Z		DR	AB	0244	



0 5 10 15 20 25m
SCALE 1:250 @ A1

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6. DRAWING REFERNCES:
   'WOLV-AECOM-P1-00-M3-S7-00002'
   'OS MasterMap Topography incl. Labels'

KEY

- **ORDER LIMITS**
- **EXISTING TREE, GROUP OR HEDGE TO BE RETAINED**
- **EXISTING TREE, GROUP OR HEDGE TO BE REMOVED**
- **ROOT PROTECTION AREAS (RPA) OF RETAINED TREES** *(AS DEFINED BY 15 5837:2012)*
- **TREE PROTECTION FENCING**
- **CONSTRUCTION EXCLUSION ZONE** *(TRACKING OF PLANT, MATERIALS STORAGE, EXCAVATION AND ALL OTHER CONSTRUCTION ACTIVITIES ARE EXCLUDED WITHIN THESE AREAS FOR THE PURPOSES OF PROTECTING TREE HEALTH)*
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- **PROPOSED DEVELOPMENT LAYOUT** *(BASED UPON DRAWING REFS: HE514465-ACM-HGN-M54_SW_FP_TJMD-CH-1001)*
- **NATIONAL TREE MAP (NTM) DATA** *(BLUESKY INTERNATIONAL LTD.)*

Second Issue	CC / AW	28/09/20	P02
First Issue		23/01/20	P01
Revision Details	By / Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Drawing Title
TREE PROTECTION PLAN
SHEET 45 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/AS SHOWNV	Landscape

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Drawing Number
Highways England PIN | Originator | Volume
HE 514465 - ACM - ELS -
Location | Type | Role | Number
M54_SW_PR_Z - DR - AB - 0245

Rev. P02

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CONSTRUCTION

MAINTENANCE / OPERATION / DECOMMISSIONING / DEMOLITION

NOTES

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Revision Details	By / Check	Date	Suffix
Second Issue	CC / AW	28/09/20	P02
Final Issue	/	23/01/20	P01

Purpose of issue

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Client
Highways England
Floor 5
Two Colmore Square
38 Cornone Circus
Birmingham
B4 6BN

highways england

Development Consent Order Number

TR010054

Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 46 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Internal Project No.	Suitability
60536736	S8
Scale @ A1	Zone
AS SHOWN/H/AS SHOWNV	Landscape

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Drawing Number				Rev
Highways England PIN	Originator	Volume		
HE 514465	ACM	ELS		P02
Location		Type	Role / Number	
M54_SW_PR_Z		DR	AB / 0246	

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Development Consent Order Number

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Project Title

M54 to M6 Link Road

Drawing Title

TREE PROTECTION PLAN
SHEET 47 OF 47

Designed	Drawn	Checked	Approved	Date
GT	CC	GT	AW	28/09/20

Interna Project No.	Suitability
60536736	S8
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Highways England PIN	Originator	Volume		Rev
HE 514465	ACM	ELS	-	P02
Location		Type	Role / Number	
M54_SW_PR_Z		DR	AB / 0247	

~~Annex D: Tree Preservation Order Plans~~