

ENVIRONMENTAL STATEMENT (VOLUME III)

Appendix 9-11 Arboricultural Impact Assessment (Clean)

HyNet Carbon Dioxide Pipeline DCO

Planning Act 2008

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1. INTRODUCTION

1.1. BACKGROUND

- 1.1.1. The focus of this report is the Development Consent Order (DCO) Proposed Development. The DCO Proposed Development includes Ince Above Ground Installation (AGI) to Stanlow AGI Pipeline, Stanlow AGI to Flint AGI Pipeline, Flint AGI to Flint Connection Pipeline, four AGIs, six Block Valve Stations (BVS), other above ground infrastructure including Cathodic Protection (CP), connections infrastructure including power utilities, and temporary ancillary works including compounds and temporary access tracks.
- 1.1.2. Open-cut trenching methods will be used for the majority of the Newbuild Carbon Dioxide Pipeline. For complex crossings to avoid disruption to utilities, major highways, railways, watercourses, particular environmental sensitivities, e.g., ancient woodland and veteran trees, trenchless construction methods will be used.
- 1.1.3. A full description of the DCO Proposed Development is provided in **Chapter 3 – Description of the DCO Proposed Development (Volume II)**.

1.2. SCOPE OF REPORT

- 1.2.1. The purpose of this report is to identify all trees which have the potential to be affected by the DCO Proposed Development, assess the preliminary impact of the DCO Proposed Development on those trees, and to recommend protection measures as are necessary to ensure the health of retained trees.
- 1.2.2. The scope and level of detail included within this report is commensurate with that required for the adequate consideration of arboricultural features as part of the DCO Proposed Development.
- 1.2.3. Information provided complies with the requirements of British Standard 5837:2012 Trees in relation to design, demolition and construction – Recommendations and includes reference to the following:
- desk study search for baseline information on arboricultural statutory designations;
 - results of a BS 5837 walkover survey;
 - an Arboricultural Impact Assessment (AIA); and,
 - an Outline Arboricultural Method Statement (AMS).
- 1.2.4. Impacts should be defined as arboricultural removals and matters that need to be addressed within an AMS. As explained further in **Section 1.3** given the Preliminary Design stage, the impacts assessed are preliminary in nature.
- 1.2.5. This report presents the findings based on the seven sections of the DCO Proposed Development, as described in **Chapter 3 – Description of the DCO Proposed Development (Volume II)** and Sections 1-6 are shown on the

Preliminary Constraints and Impacts Plan (**Annex D**) and Section 7 is shown fully on the Tree Removal and Protection Plan (Section 7 of DCO Proposed Development) (**Annex E**).

1.3. LIMITATIONS AND ASSUMPTIONS

- 1.3.1. TPOs may be made whenever a local planning authority deems it appropriate with only those persons interested in the land served with a copy of the Order. Because of this, any reference to the presence of TPOs is only valid on the date at which the desk study search was undertaken.
- 1.3.2. Trees are influenced by a variety of environmental variables and their health and condition can rapidly change. Because of this, any recommendations made within this report are valid for a period of 24 months from the date of survey, when any site conditions change or pruning or other works unspecified in the report are carried out to, or affecting, the subject trees, whichever is the sooner.
- 1.3.3. This report does not constitute a health and safety survey. Where concerns for health and safety from trees exist then necessary and appropriate tree inspections should be carried out.
- 1.3.4. Owing to the Preliminary Design Stage, the assessment approach follows a reasonable worst-case basis, which is further discussed in Section 2.
- 1.3.5. Where topographical data wasn't available, the position of arboricultural features has been estimated using aerial photography and on-site GPS. The position and extent of these features should be regarded as approximate only.
- 1.3.6. Due to design development and access restrictions some areas were unable to be surveyed as part of this assessment and so have not been assessed. These areas are shown on the Preliminary Constraints and Impacts Plan as 'Areas Not Surveyed'. These areas should be surveyed and assessed at the detailed design stage.

1.4. RELEVANT LEGISLATION, POLICY AND GUIDANCE

- 1.4.1. This report has been compiled with reference to the following legislation, policy and guidance.

LEGISLATION

Town and Country Planning Act 1990

- 1.4.2. The Town and Country Planning Act (as amended by the Planning Act 2008) sets out the general duties of planning authorities in relation to tree preservation and planting of trees. This Act provides the law in which TPOs and trees in conservation areas are protected.

Town and Country Planning (Tree Preservation) (England) Regulations 2012

- 1.4.3. These Regulations, which apply in relation to England only, substantially revoke and replace the Town and Country Planning (Trees) Regulations 1999. They provide further statutory considerations in relation to TPOs and trees in conservation areas.

Town and Country Planning (Trees) (Amendment) (Wales) Regulations 2017

- 1.4.4. These Regulations, which apply in relation to Wales only, amend the Town and Country Planning (Trees) Regulations 1999. They provide further statutory considerations in relation to TPOs and trees in conservation areas.

NATIONAL POLICY

Planning Policy Wales (February 2021)

- 1.4.5. Planning Policy Wales sets a strong presumption against removal of trees, woodlands and hedgerows as they should be protected for their wildlife habitat and landscape character. It also states ancient woodland and individual ancient and veteran trees are irreplaceable habitat and should be afforded protection from development unless there are significant and clearly defined public benefits.

National Planning Policy Framework (NPPF) (revised 20 July 2021)

- 1.4.6. The NPPF sets a precedent that development should be refused if it causes the loss or deterioration of veteran and ancient trees and ancient woodland as these are considered 'irreplaceable habitats' unless there are exceptional reasons and appropriate compensation is given.

LOCAL POLICY

Flintshire County Council, Local Development Plan (2015-2030) (24 January 2023)¹

- 1.4.7. The DCO Proposed Development has taken cognisance of Flintshire County Council's Local Development Plan in particular Policy EN7 Development Affecting Trees, Woodlands, and Hedgerows. Under the policy, proposals that will result in significant loss of, or harm to, trees, woodlands, or hedgerows of biodiversity, historic, and amenity value will not be permitted. However, the DCO Proposed Development recognises that where the impact of development affecting trees, woodlands, or hedgerows is considered acceptable, they should maximise retention of these features, and where losses are expected they should be mitigated through planting that results in a net benefit in biodiversity (**Ref. 1**).

**Flintshire County Council, Supplementary Planning Guidance Note No.04
Trees and Development (17 January 2017)²**

- 1.4.8. The DCO Proposed Development recognises the additional guidance related to tree assessment and protection detailed within Flintshire Council Council's Supplementary Planning Guidance Note No.4 Trees and Development (**Ref. 2**). The DCO Proposed Development specifically recognises that large developments are required to have a comprehensive tree survey conducted in accordance with BS 5837.

**Cheshire West and Cheshire Council, Local Plan (Part Two) Land
Allocations and Detailed Policies (adopted 18 July 2019)³**

- 1.4.9. The DCO Proposed Development has also taken cognisance of the Cheshire West and Cheshire Council's Local Plan in particular Policy DM 45 – Trees, woodland and hedgerows. This policy recognises the need to conserve and enhance existing trees, woodland, orchards and hedgerows and where not possible development should include replacement trees. Particular attention should be given to veteran trees and ancient woodland as they are considered irreplaceable habitat (**Ref. 3**).

GUIDANCE

**British Standards Institute. BS 5837: 2012 Trees in relation to design,
demolition and construction – Recommendations. London: BSI**

- 1.4.10. The British Standard BS5837 gives recommendations on guidance on the relationship between trees and design, demolition, and construction processes. It sets out principles and procedures to be applied to achieve harmonious and sustainable relationship between trees and development and is applicable whether or not planning permission is required (**Ref. 4**).

1.5. ABBREVIATIONS OF TERMS USED

Table 1-1 List of abbreviations used within this report

Acronym	Definition
AIA	Arboricultural Impact Assessment
AMS	Arboricultural Method Statement - A methodology for the implementation of any aspect of development which is within the root protection area, or has the capacity to adversely affect, any retained tree.

Acronym	Definition
BS 5837	British Standard BS 5837:2012 'Trees in relation to design, demolition and construction – Recommendations' - This standard 'gives recommendations and guidance on the relationship between trees and the design, demolition and construction process. It sets out the principles and procedures to be applied to achieve a harmonious and sustainable relationship between trees and structures'.
CEZ	Construction Exclusion Zone - An area within which all site clearance and construction activities, access and storage of materials are prohibited.
RPA	Root Protection Area - Layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's vitality.
TPO	Tree Preservation Orders - An order made by the Local Planning Authority to protect specific trees, groups of trees or woodlands in the interests of amenity.

2. ARBORICULTURAL METHODOLOGY

2.1. STUDY AREA

- 2.1.1. The Study Area comprises the Newbuild Infrastructure Boundary plus a buffer of up to 15m. The purpose of the 15m buffer is to ensure compliance with BS 5837 which recommends that all arboricultural features whose Root Protection Areas (RPAs) may be impacted are identified, surveyed, and included within the assessment.

2.2. BASELINE DATA COLLECTION

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

- an arboricultural desk study; and
- a walkover survey of noteworthy arboricultural features within the Study Area.

2.3. DESK STUDY

- 2.3.1. A desk study was undertaken on 07 July 2022 as a means of identifying statutory and non-statutory arboricultural constraints within the Study Area. Details of the desktop study method are set out in **Annex A**.

2.4. WALKOVER SURVEY

- 2.4.1. A walkover survey was undertaken between April and May 2022 to identify arboricultural features within the Sections 1-6 Study Area. A walkover survey for Section 7 was undertaken in March 2022. To support the Change Request 1 additional surveys were undertaken in December 2022; the data of which has been used to update this report.
- 2.4.2. The surveys were undertaken to comply with BS 5837 and details of the methods used are presented in **Annex A**.

2.5. ASSESSMENT METHODOLOGY

- 2.5.1. Owing to the Preliminary Design Stage, the assessment approach follows a reasonable worst-case basis. For reasons of buildability and the large number of tree features, an automatic script has been used to provide a Red Amber Green (RAG) assessment approach for trees. A script has been designed within a Geographical Information System (GIS) process where all trees within an indicative 32m buffer of the Carbon Dioxide Pipeline have been automatically assessed as 'removed' (Red). Trees outside this area but within the Newbuild Infrastructure Boundary have been assessed as 'at risk of removal but aiming to retain' (ARAtR) (Amber). For the purpose of this assessment, these ARAtR trees are not considered to require removal however this assumes appropriate

mitigation will be adhered to and specified in a site-specific Arboricultural Method Statement (AMS) and shown on a Tree Protection Plan (TPP). All trees outside the Newbuild Infrastructure Boundary within the study area have been assessed as 'retained with protection measures' (RwPM) (Green). Tree groups which straddle assessment boundaries are assessed using a worst-case approach e.g. if a tree group is located between Red and Amber it will be assessed as 'partial removal' (Red).

- 2.5.2. However, some manual adjustment to the script results has been deemed necessary. Trees have been individually assessed where they are located within close proximity to a BVS, in areas of trenchless crossings, or where the tree has been identified as a veteran tree. A veteran tree workshop was undertaken on 17 June 2022 to determine potential impacts on veteran trees and, where feasible, embedded mitigation into the design development to allow retention of these important features. Although the automated script of RAG is shown on the Preliminary Constraints and Impacts Plan, where retention has been deemed possible, the RPAs of veteran trees have been manually amended to a hatched green. The assessment boundaries showing results of the RAG assessment are displayed on the Preliminary Constraints and Impacts Plan (as Annex D).
- 2.5.3. The impacts reported for tree features within Section 7, notably at Cornist Lane, Pentre Halkyn and Babell Block Valve Stations (BVS) have also been reported in a separate Arboricultural Impact Assessment concerning the separate TCPA Proposed Development as is described in **Chapter 3 – Description of the DCO Proposed Development (Volume II)**. Because they are isolated sections of work where the flexibility sought for pipeline construction is not applicable, the impact assessment for these features did not follow the above RAG assessment approach but have been assessed on a case-by-case basis, the results of which are displayed on a Tree Removal and Protection Plan (Section 7 of DCO Proposed Development) (Annex E).
- 2.5.4. A 'noteworthy' tree survey was provided for Sections 1-6, focusing on high quality (A grade as determined by BS 5837 and explained in Annex A) and moderate quality (B grade) tree features. According to BS 5837, low quality features (C grade) need not place a significant constraint on development and as such low-quality trees have been surveyed by desktop only with limited feature data collected. The details collected by this proportionate methodology is described further in Annex A. Tree survey data for Sections 1-6 is present within a tree survey schedule in Annex B. As trees associated with Section 7 were surveyed as part of the TCPA Proposed Development with a full tree survey being provided, and the results presented in a separate tree survey schedule within Annex C.
- 2.5.5. The indicative RPAs used at this Preliminary Design stage are based on a circle and are shown in the Preliminary Constraints and Impacts Plan at Annex D and the Tree Removal and Protection Plan (Section 7 of DCO Proposed Development) at Annex E. In line with a noteworthy survey, RPAs are shown on

the Preliminary Constraints and Impacts Plan for moderate and high-quality features only.

2.6. NEWBUILD INFRASTRUCTURE BOUNDARY DESIGN DEVELOPMENT, IMPACT AVOIDANCE AND EMBEDDED MITIGATION

2.6.1. The following measures are committed to and form part of the design through embedded mitigation. They are included in the **Register of Environmental Actions and Commitments (REAC) (Document reference D.6.5.1)** and will be secured via the Construction Environmental Management Plan (CEMP). Further embedded mitigation in relation to existing hedgerows, trees, and woodlands and mitigatory planting is detailed in **Chapter 9 – Biodiversity (Volume II)** and **Chapter 12 – Landscape and Visual (Volume II)**.

- The detailed design alignment of the Newbuild Carbon Dioxide Pipeline will, wherever practicable, be micro-sited to avoid locally valued landscape features including woodland, hedgerows, and field drains, including RPAs of existing mature trees (**D-LV-005 of the REAC**);
- Micro-siting techniques will be employed throughout the detailed design of the DCO Proposed Development, including during pre-construction and construction to avoid waterbodies, sensitive habitats, trees (including ancient and veteran trees and trees covered by Tree Preservation Orders and trees within Conservation Areas), hedgerows, etc., as much as practicably possible. Where opportunities exist for routing through existing gaps in hedgerows, scrub and woodlands, avoiding the need to remove vegetation, these will be prioritised (**D-BD-009 of the REAC**);
- Where practicable, areas of woodland and trees within the Newbuild Infrastructure Boundary will be retained and exclusion buffers clearly demarcated (where woodland does not encroach into the 32m construction corridor). Identified woodlands include (shown on Figure 9.11.1 within Appendix 9.11 – Arboricultural Impact Assessment Report, Volume III), but are not limited to:
 - G978
 - G552
 - G328
 - G109
- The extent of demarcation of retained woodlands/trees will be driven by assessed RPAs of retained trees. Where encroachment within RPAs is required to facilitate construction, ECoW and arboriculturist advice will be sought to discuss sensitive working methods in order to protect retained trees. (**D-BD-010 of the REAC**)
- Where trees (stems) sit outside of the Newbuild Infrastructure Boundary, the RPAs of these trees will be protected and retained. Protective measures will be detailed within a site-specific AMS and shown on a Tree Protection Plan

(TPP) and where necessary, working methods will be monitored by a suitable Arboricultural Clerk of Works (ACoW). The Construction Contractor will prepare the AMS following detailed design and will ensure works within RPAs will be appropriately supervised in line with BS5837:2012 (**D-LV-014 of the REAC**).

- Hedgerows, trees and woodland which are located between trenchless crossing entry/exit pits (i.e. that the Newbuild Carbon Dioxide Pipeline will cross via trenchless method) will be protected and retained, unless otherwise required for access (**D-LV-028 of the REAC**);
- Construction works will utilise existing accesses wherever practicable. Where new temporary construction accesses are required in existing hedgerows, the width to be lost will be kept to the minimum practicable and will not exceed 15m. Hedgerows, trees, and woodland outside of this 15m will be protected and retained. Protective measures will be detailed within a site specific AMS and shown on a Tree Protection Plan (TPP) and where necessary working methods will be monitored by a suitable Arboricultural Clerk of Works (ACoW) (**D-LV-030 of the REAC**);
- The detailed design will seek to minimise the loss of tree groups G576 and G578 which are anticipated to be impacted to make way for a temporary access track (**D-LV-031 of the REAC**).
- Ancient Woodland areas will be protected with a minimum 15m works exclusion zone. Where environmental mitigation works, drainage works, or construction works in areas restricted by existing infrastructure occur within the Root Protection Areas (RPAs) of the ancient woodland ,tree protection measures will be detailed within a site-specific AMS and shown on a Tree Protection Plan (TPP). Where necessary, working methods will be monitored by a suitable Arboricultural Clerk of Works (ACoW). The Construction Contractor will prepare the AMS approved as part of the CEMP. (**D-LV-015 of the REAC**).
- All veteran trees assessed as ‘retained with protection measures’ within Appendix 9.11 – Arboricultural Impact Assessment will be protected and retained during detailed design, construction, operation, and decommissioning (**D-BD-070 of the REAC**).

2.6.2. Through the employment of embedded mitigation and use of protective measures during construction, all veteran trees have been assessed as ‘retained with protection measures’.

3. ARBORICULTURAL SURVEY FINDINGS

3.1. ARBORICULTURAL FEATURES

Section 1

- 3.1.1. Section 1 is located entirely within the Cheshire West and Chester Council (CWACC) Local Authority boundary.
- 3.1.2. There are no arboricultural features protected by TPOs or conservation areas. The desk study also found no records of ancient or veteran trees nor ancient woodland.
- 3.1.3. The Study Area in Section 1 consists predominantly of arable agricultural land to the south and east of Elton Green. Part of the Study Area in Section 1 is located within industrial land where access was unavailable for the surveys, although vegetation cover as apparent on aerial photography appears to be low. Arboricultural features are predominantly associated with agricultural field boundaries with some landscape screening present around the M56 Junction services and adjacent to road infrastructure.
- 3.1.4. A total of 123 arboricultural features, consisting of 78 individual trees and 45 groups of trees, were surveyed within the Study Area in Section 1.
- 3.1.5. A summary of tree quality categories is in **Table 3-1**.

Table 3-1 Summary of BS 5837 tree quality categories for Section 1

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	1	0	1
Category B	Moderate	28	14	42
Category C	Low	40	31	71
Category U	Very Low	9	0	9
Total	-	78	45	123

Section 2

- 3.1.6. Section 2 is located entirely within the CWACC's boundary.
- 3.1.7. There are no arboricultural features protected by TPOs within the Study Area in Section 2. The desk study also found no records of ancient or veteran trees nor ancient woodland.
- 3.1.8. The Study Area in Section 2 intersects the Chester Canal Conservation Area (West) at two points and at the most westerly point the G868 survey feature is located within this conservation area boundary. Two additional conservation

areas (Thornton le Moors Conservation Area and Picton Conservation Area) are located fully outside of the Newbuild Infrastructure Boundary.

- 3.1.9. The Study Area in Section 2 consists predominantly of arable agricultural land located between Thornton-le-Moore and Liverpool Road near Backford. Arboricultural features are predominantly associated with agricultural field boundaries.
- 3.1.10. A total of 276 arboricultural features, consisting of 191 individual trees and 85 groups of trees, were surveyed within the Study Area in Section 2.
- 3.1.11. A summary of tree quality categories is in **Table 3-2**.

Table 3-2 Summary of BS5837 tree quality categories for Section 2

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	41	14	55
Category B	Moderate	55	27	82
Category C	Low	88	43	131
Category U	Very Low	7	1	8
Total	-	191	85	276

- 3.1.12. There are 11 surveyed features that have been assessed as either veteran or Category A within the Study Area in Section 2. These are predominantly ash, with one oak and one hawthorn.

Section 3

- 3.1.13. The Study Area in Section 3 is located predominantly within the CWACC's boundary, but part of the Section intersects FCC's Boundary too. This means Section 3 is located within both England and Wales.
- 3.1.14. One conservation area 'Chester Canal Conservation Area (West)' is located within the Study Area in Section 3 however is fully located outside of the Newbuild Infrastructure Boundary.
- 3.1.15. There are no arboricultural features protected by TPOs within the Study Area in Section 3. The desk study found no records of ancient or veteran trees nor ancient woodland within the Study Area in Section 3.
- 3.1.16. The Study Area in Section 3 consists predominantly of arable agricultural land located between Liverpool Road near Backford and Sealand Road south of Saughall. Arboricultural features are predominantly associated with agricultural field boundaries.

- 3.1.17. The additional surveys carried out to support Change Request 1 included eight new features within Section 3, consisting of seven individual trees and one group.
- 3.1.18. A total of 264 arboricultural features, consisting of 198 individual trees and 66 groups of trees, were surveyed within the Study Area in Section 3.
- 3.1.19. A summary of tree quality categories is in **Table 3-3**.

Table 3-3 Summary of BS5837 tree quality categories for Section 3

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	49	6	55
Category B	Moderate	87	23	110
Category C	Low	56	37	93
Category U	Very Low	6	0	6
Total	-	198	66	264

- 3.1.20. There are 15 surveyed features that have been assessed as either veteran or Category A within the Study Area in Section 3. These are predominantly oak and willow with one poplar and one alder.

Section 4

- 3.1.21. Section 4 is located entirely within the FCC's boundary.
- 3.1.22. There are no arboricultural features protected by TPOs or conservation areas within the Study Area in Section 4. The desk study also found no records of ancient or veteran trees.
- 3.1.23. Ancient Semi Natural Woodland as identified on the Natural Resource Wales ancient woodland inventory is located within the Study Area in Section 4 but outside of the Newbuild Infrastructure Boundary and is partially covered by survey feature G618.
- 3.1.24. The Study Area in Section 4 consists predominantly of arable agricultural land located around Sealand and Queensferry although some sections lies within or adjacent to urban and residential land associated with towns. Arboricultural features are predominantly associated with agricultural field boundaries.
- 3.1.25. A total of 229 arboricultural features, consisting of 147 individual trees and 82 groups of trees, were surveyed within the Study Area in Section 4.
- 3.1.26. A summary of tree quality categories is in **Table 3-4**.

Table 3-4 Summary of BS5837 tree quality categories for Section 4

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	19	5	24
Category B	Moderate	49	34	83
Category C	Low	76	43	119
Category U	Very Low	3	0	3
Total	-	147	82	229

3.1.27. There are seven surveyed features that have been assessed as either veteran or Category A within the Study Area in Section 4. These consist of three ash, three oak and two mixed broadleaves groups.

Section 5

3.1.28. The Study Area in Section 5 is located entirely within the FCC's boundary.

3.1.29. There are no arboricultural features protected by TPOs or conservation areas within the Study Area in Section 5. The desk study also found no records of ancient or veteran trees.

3.1.30. There are three areas of ancient woodland as identified on the Natural Resource Wales ancient woodland inventory within the Study Area in Section 5 around Northtop Hall. Two areas of Restored Ancient Woodland Site are located within the Study Area in Section 5 but outside of the Newbuild Infrastructure Boundary and one area of Ancient Semi Natural Woodland is almost completely encapsulated within the Newbuild Infrastructure Boundary.

3.1.31. The Study Area in Section 5 consists predominantly of arable agricultural land located around Ewloe and Northtop Hall. Arboricultural features are predominantly associated with agricultural field boundaries.

3.1.32. The additional surveys carried out to support Change Request 1 included 51 new features within Section 5 consisting of 42 individual trees and nine groups.

3.1.33. A total of 362 arboricultural features, consisting of 242 individual trees and 120 groups of trees, were surveyed within the Study Area in Section 5.

3.1.34. A summary of tree quality categories is in **Table 3-5**.

Table 3-5 Summary of BS5837 tree quality categories for Section 5

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	43	11	54

Category B	Moderate	83	42	125
Category C	Low	112	67	179
Category U	Very Low	4	0	4
Total	-	242	120	362

3.1.35. There are three surveyed features, an ash tree, a sycamore, and a group of mixed broadleaves, that have been assessed as veterans and Category A within the Study Area in Section 5.

Section 6

3.1.36. The Study Area in Section 6 is located entirely within the FCC's boundary.

3.1.37. There are no arboricultural features protected by TPOs or conservation areas within the Study Area in Section 6. The desk study also found no records of ancient or veteran trees.

3.1.38. There are two areas of ancient woodland as identified on the Natural Resource Wales ancient woodland inventory within the Study Area in Section 6 at and near Leadbrook Wood. The area within Leadbrook Wood is Restored Ancient Woodland Site whilst the other area to the north is Ancient Semi Natural Woodland. Both areas are within the Study Area in Section 6 but are located outside of the Newbuild Infrastructure Boundary.

3.1.39. The Study Area in Section 6 consists predominantly of arable agricultural land located between Northtop Hall and Flint. Arboricultural features are predominantly associated with agricultural field boundaries.

3.1.40. A total of 70 arboricultural features, consisting of 50 individual trees and 20 groups of trees, were surveyed within the Study Area in Section 6.

3.1.41. A summary of tree quality categories is in **Table 3-6**.

Table 3-6 Summary of BS5837 tree quality categories for Section 6

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	15	4	19
Category B	Moderate	25	10	35
Category C	Low	8	6	14
Category U	Very Low	2	0	2
Total	-	50	20	70

Section 7

- 3.1.42. Section 7 is located entirely within the FCC's boundary.
- 3.1.43. There are no arboricultural features protected by TPOs or conservation areas within the Study Area in Section 7. The desk study also found no records of ancient or veteran trees nor ancient woodland.
- 3.1.44. The Study Area in Section 7 consists predominantly of arable agricultural land located between the west of Flint and north-west of Babell. The arboricultural features are mostly typical individual and grouped field boundaries and hedgerows associated with agriculture.
- 3.1.45. The additional surveys carried out to support Change Request 1 included 21 new features within Section 7, consisting of ten individual trees and 11 groups.
- 3.1.46. A total of 90 arboricultural features, consisting of 41 individual trees and 49 groups of trees, were surveyed within the Study Area in Section 7.
- 3.1.47. A summary of Block Valve Stations tree quality categories is in **Table 3-7**.

Table 3-7 Summary of BS5837 tree quality categories for Section 7

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	3	0	3
Category B	Moderate	18	41	59
Category C	Low	17	8	25
Category U	Very low	3	0	3
Total	-	41	49	90

Overview of arboricultural survey findings

- 3.1.48. Overall, a total of 1,414 arboricultural features, consisting of 947 individual trees and 467 groups of trees, were surveyed within the seven sections of DCO Proposed Development.
- 3.1.49. Approximately, 15% of the features have been assessed as being of high quality, 38% of moderate quality, 45% of low quality and 2% of very low quality. A summary of the identified arboricultural features within the Study Area is provided in **Table 3-8**.

Table 3-8 Summary of BS5837 tree quality categories for DCO Proposed Development

BS 5837 Category	Quality	Individual Trees	Groups	Total
Category A	High	171	40	211
Category B	Moderate	345	191	536
Category C	Low	397	235	632
Category U	Very low	34	1	35
Total	-	947	467	1414

3.1.50. There are 35 surveyed features that have been assessed as veterans and Category A within Study Area. These consist of 31 individual trees and four groups with oak, willow, ash, hawthorn and mixed broadleaves groups present.

3.1.51. Tree survey data for Sections 1 – 6 is presented within a tree survey schedule in Annex B and shown on the Preliminary Constraints and Impacts Plan (Annex D) whilst tree survey data for Section 7 is presented within a separate tree survey schedule in Annex C and shown on a Tree Removal and Protection Plan (Section 7 of the DCO Proposed Development) (Annex E). Arboricultural Impact assessment

3.2. SCOPE OF ASSESSMENT

3.2.1. The scope of the AIA is to evaluate the preliminary effects of the DCO Proposed Development on arboricultural features and where possible recommend mitigation.

3.2.2. The assessment includes specific reference to the effects of tree loss and other potentially damaging activities which could foreseeably occur in the vicinity of retained trees.

3.2.3. Mitigation and best practice that may be applicable and is commensurate with the level of design detail available at this stage is summarised and discussed in the outline AMS.

3.2.4. The DCO Proposed Development design is displayed on the Preliminary Constraints and Impacts Plan at **Annex D** and Tree Removal and Protection Plan (Section 7 of the DCO Proposed Development) at **Annex E**.

3.3. ARBORICULTURAL FEATURES TO BE REMOVED

3.3.1. As mentioned in Section 1.2, the impact assessment has been split into the seven Sections of the DCO Proposed Development. The impact assessment results for Sections 1-7 are provided within Tables 4-1 to 4-7 below with an overview of total impacts for the DCO Proposed Development provided in Table 4-8.

3.3.2. The colours of the RAG assessment are provided in combination with the specific impact for individual trees and tree groups. Partial removal refers to groups that require one or more trees to be removed but where trees elsewhere within the group can still be retained. The tree impacts are also shown on the tree survey schedules within **Annex B** and **Annex C**.

3.3.3. Change Request 1 require an additional two removals from Section 3 and three removals from Section 5. However, Change Request 1 in Section 3 have avoided the removal of seven trees, five of which are high quality, and three of these being assessed as veteran.

SECTION 1

Table 3-9 Summary of RAG impact assessment for Section 1 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total
Trees	8	-	38	32	78
Groups	0	5	12	28	45
Total	8	5	50	60	123

SECTION 2

Table 3-10 Summary of RAG impact assessment for Section 2 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total
Trees	26	-	88	77	191
Groups	0	20	47	18	85
Total	26	20	135	95	276

SECTION 3

Table 3-11 Summary of RAG impact assessment for Section 3 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to	Retained with Protection	Total

			Retain (ARAtR)	Measures (RwPM)	
Trees	16	-	97	85	198
Groups	1	13	34	18	66
Total	17	13	131	103	264

SECTION 4

Table 3-12 Summary of RAG impact assessment for Section 4 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total
Trees	14	-	53	80	147
Groups	0	18	43	21	82
Total	14	18	96	101	229

SECTION 5

Table 3-13 Summary of RAG impact assessment for Section 5 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total
Trees	51	-	110	81	242
Groups	1	39	51	29	120
Total	52	39	161	110	362

SECTION 6

Table 3-14 Summary of RAG impact assessment for Section 6 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total

Trees	9	-	17	24	50
Groups	0	7	7	6	20
Total	9	7	24	30	70

SECTION 7

Table 3-15 Summary of RAG impact assessment for Section 7 features

Feature	Removed	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total
Trees	2	-	30	9	41
Groups	3	9	29	8	49
Total	5	9	59	17	90

SUMMARY OF THE ARBORICULTURAL FEATURES TO BE REMOVED

- 3.3.4. Table 4-8 below displays that the majority of tree features, (83%), within the Study Area have the potential to be retained given application of suitable mitigation, as will be described within a site-specific Arboricultural Method Statement and shown on a Tree Protection Plan.

Table 3-16 Summary of RAG impact assessment DCO Proposed Development

Feature	Removal	Partial Removal	At Risk of Removal Aiming to Retain (ARAtR)	Retained with Protection Measures (RwPM)	Total
Trees	126	-	433	388	947
Groups	5	111	223	128	467
Total	131	111	656	516	1414

- 3.3.5. As stated in paragraph in **Section 1.3**, mitigation has been embedded into the Preliminary Design of the DCO Proposed Development to ensure impacts on veteran trees are avoided. As such, all veteran trees have been assessed as 'retained with protection measures'. Where practicable, all veteran trees will be fully excluded from works with use of protective fencing, as described in the Outline AMS. (Annex F) Where not feasible, an arboriculturist will be consulted

and the site-specific AMS updated to include other suitable protective measures.

3.4. OTHER POTENTIAL ARBORICULTURAL IMPACTS

- 3.4.1. Other potential arboricultural impacts result from activities that do not require the direct removal of the tree, but have the potential, without mitigation, to cause damage to retained arboricultural features. **Table 4-1** provides the potential cause of damage of features and mitigatory measures which are proposed. Implementation of the recommended mitigation measures in Table 4-9 as well as the embedded mitigation in section 2.6 will be sufficient to ensure that arboricultural features can be retained without significant loss of value or a notable reduction in tree health or longevity.
- 3.4.2. As stated in **Section 1.3**, at this Preliminary Design stage, a precautionary approach has been taken to assess other potential arboricultural impacts. It is assumed that all trees within the Newbuild Infrastructure Boundary that are not located within the 32m construction working width (i.e. all Amber trees), have the potential to be encroached by some works associated with the construction of the DCO Proposed Development. However, it is also considered that these features can be retained with use of construction exclusion zones (CEZs) incorporating the RPAs and created by the erection of protective fencing, or other applied mitigation.
- 3.4.3. Regarding the proposed permanent access track to Babell BVS in Section 7, full exclusion is not feasible as the track directly encroaches within a RPA. The encroached feature is of low quality (G93a) and in this instance, special protection measures are required. Special protection measures, as detailed in **Table 4-1**, will also be applicable for the remaining groups of trees that require partial removal.

Table 3-17: Other potential arboricultural impacts, proposed mitigation and likely effects

Feature	Cause of Impact	Potential Impact	Mitigation Measures
G93a and remaining trees within partially removed groups	Earthworks and use of machinery associated with the construction.	<p>Significant encroachment of RPAs possibly severing feeder and/or structural roots as well as disturbing soil composition and reducing the available rooting area.</p> <p>Significant encroachment of canopy area possibly requiring canopy reduction which would reduce photosynthesising capability and create stress that may cause a decline in tree health.</p> <p>Significant below or above ground impacts described above is likely to cause the decline and ultimate death of trees if not appropriately mitigated.</p>	<p>Special site-specific measures may include one or a combination of the following in the areas of special measures as show on the Preliminary Constraints and Impacts Plan: design refinements to avoid or reduce encroachment, micro-siting, working from track side, hand digging and ‘no dig’ solutions such as geocellular ground protection and protective fencing.</p> <p>Where works within an RPA are required, supervision to be conducted by an Arboricultural Clerk of Works (ACoW) and any additional recommendations to be followed.</p>
All other retained features (Amber and Green)	Working space requirements during construction (below ground impact).	<p>Soil compaction and root damage for construction working space requirements.</p> <p>Loss of vitality and decline in health. Reduction in quality of trees / potential death of trees.</p>	<p>Where possible, establish a construction exclusion zone (CEZ) within an AMS for duration of construction which is demarcated by a tree protection fence.</p> <p>Where access only is required temporary ground protection measures will be installed to prevent soil compaction and root damage.</p> <p>Where works within an RPA are required, supervision to be conducted by ACoW and</p>

Feature	Cause of Impact	Potential Impact	Mitigation Measures
			any additional recommendations to be followed.
All other retained features (Amber and Green)	Working space requirements during construction. (above ground impact).	Injurious contact with above ground elements of retained trees. Loss of vitality and decline in health. Reduction in quality of trees / potential death of trees.	Establish a CEZ within an AMS for duration of construction and arboricultural supervision during construction near trees. Requirements for pruning to avoid injurious contact are to be determined with arboricultural supervision prior to commencing all activities.

3.5. COMPENSATION PLANTING

3.5.1. The DCO Proposed Development has been designed to avoid impacting on trees and vegetation where reasonably practicable. However, unavoidable tree loss will be mitigated through the implementation of landscape design including new tree planting (refer to **Chapter 12: Landscape and Visual (Volume II)**) New tree planting will use local provenance stock of native species with awareness to pests and diseases, with species and numbers agreed with the local planning authorities. The proposed landscape designs are shown on the following drawings:

- Flint AGI Landscape Layout (EN070007-D.2.14-LAY Sheet 0)
- Northop Hall AGI Landscape Layout (EN070007-D.2.14-LAY Sheet 1)
- Ince AGI Landscape Layout (EN070007-D.2.14-LAY Sheet 2)
- Aston Hill BVS Landscape Layout (EN070007-D.2.14-LAY Sheet 3)
- Mollington BVS Landscape Layout (EN070007-D.2.14-LAY Sheet 4)
- Rock Bank BVS Landscape Layout (EN070007-D.2.14-LAY Sheet 5)
- Babell BVS Landscape Layout (EN070007-D.2.14-LAY Sheet 6)
- Pentre Halkyn BVS Landscape Layout (EN070007-D.2.14-LAY Sheet 7)
- Cornist Lane BVS Landscape Layout (EN070007-D.2.14-LAY Sheet 8)

3.6. OUTLINE ARBORICULTURAL METHOD STATEMENT

3.6.1. An outline arboricultural method statement (AMS) is included in **Annex F**. The AMS adopts a precautionary approach to tree protection and addresses known construction activities which have the potential to cause damage to retained trees.

3.6.2. The AMS addresses, in principle, the following matters:

- arboricultural monitoring;
- tree protection fencing;
- temporary hard surfaces in RPAs;
- installation of underground services; and
- soft landscaping.

3.6.3. The Outline AMS will be a 'live document' and will be developed further by the Main Contractor(s) into a 'full' Arboricultural Method Statement to reflect the Detailed Design of the DCO Proposed Development. It will also be reviewed, as necessary throughout the subsequent design and construction stages.

3.6.4. All tree works undertaken must comply with British Standard 3998:2010 – Tree Work Recommendations and should therefore be carried out by skilled tree surgery contractors.

3.6.5. In instances where works unspecified in this report are to be undertaken, and which may impact trees, a further search for the presence of TPOs should be carried out prior to commencement.

3.7. SUMMARY AND CONCLUSIONS

3.7.1. A walkover survey of arboricultural features within the Study Area was undertaken between March and May 2022, with additional surveys in December 2022 to support Change Request 1.. The arboricultural surveys were undertaken in accordance with BS 5837.

3.7.2. A desk study was undertaken on 07 July 2022 which established there are no arboricultural features protected by TPOs within the Study Area. The desk study also found no records of ancient or veteran trees however the walkover identified 35 veteran features.

3.7.3. The desk study identified three conservation areas within the Study Area for Section 2 and Section 3. Thornton-le-Moor Conservation Area, Picton Conservation Area and Chester Canal Conservation Area are all located within Cheshire West and Chester Local Authority area. The desk study also identified six areas of ancient woodland between Sections 4-6 of the Study Area.

3.7.4. A total of 1,414 arboricultural features, consisting of 947 individual trees and 467 groups of trees, were surveyed within the DCO Proposed Development Study Area. Of these, 211 were assessed as high quality, 536 as moderate, 632 as low and 35 as very low quality features.

3.7.5. To facilitate construction of the DCO Proposed Development, 131 features have been preliminary assessed as requiring removal and another 111 grouped features as requiring partial removal.

3.7.6. Table 4-9 below provides a summary of the RAG impact assessment results in relation to the tree feature qualities.

Table 3-18 Summary of RAG impact assessment in relation to tree grades

BS5837: 2012 Grade	RAG Status			Total
	Removal / Partial Removal	At risk but aiming to retain	Retained with protection measures	
A	30	85	96	211
B	79	261	196	536
C	131	292	209	632
U	2	18	15	35
Total	242	656	516	1414

3.7.7. All of the 35 features assessed as veterans have been assessed as 'retained with protection measures'. Where practicable, all veteran trees will be fully

excluded from works with use of protective fencing, as described in the Outline AMS (Annex F). Where not feasible, an arboriculturist will be consulted and the site-specific AMS updated to include other suitable protective measures.

- 3.7.8. The remaining 1,172 Amber and Green features will be retained through use of protective measures during construction. These measures will be detailed within a detailed AMS which sets out the principles for tree protection whilst a Tree Protection Plan (TPP) will be used to detail the specific locations where these protective measures are required.
- 3.7.9. An Arboricultural Impact Assessment (AIA) will be undertaken for the Detailed Design of the DCO Proposed Development to accompany the site-specific AMS and TPP.

3.8. REFERENCES

- 1 - Flintshire County Council (2023). Local Development Plan - Flintshire 2015-2030. Available here: <https://www.flintshire.gov.uk/en/Resident/Planning/Flintshire-Local-Development-Plan.aspx> [Last accessed: 22/03/23]
- 2 - Flintshire County Council (2017). Supplementary Planning Guidance Note. No.04 Trees and Development. Available from: <https://www.flintshire.gov.uk/en/PDFFiles/Planning/Adopted-SPGNs/SPGN-No-4.-Trees-and-Development.pdf> [Last accessed: 18/08/22]
- 3 - Cheshire West and Chester Local Council (2019). Cheshire West and Chester Local Plan. Available from: <https://consult.cheshirewestandchester.gov.uk/kse/event/34617/section/5428432> [Last accessed: 18/08/22]
- 4 - British Standards Institute (2012). BS 5837: 2012 Trees in relation to design, demolition and construction – Recommendations. London: BSI

ANNEX A – ARBORICULTURAL SURVEY AND DESK STUDY METHODOLOGY

METHOD OF BASELINE DATA COLLECTION

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

- an arboricultural desk study, and;
- a walkover survey of all arboricultural features within the Study Area.

DESK STUDY

The arboricultural desk study for the DCO Proposed Development was undertaken on 07 July 2022. The desk study reviewed existing arboricultural information available in the public domain.

TPOs and Conservation Areas

CWACC is responsible for implementing legal controls imposed through TPOs and Conservation Areas within Sections 1 and 2 and most of Section 3 within the Study Area. FCC is responsible for implementing these legal controls within Sections 4 to 7 and part of Section 3 within the Study Area. Data was assessed using their publicly accessible information (**Ref. 1**) (**Ref. 2**) and the results are summarised in **Section 3 – Arboricultural survey findings** of this AIA.

Ancient Woodland

The potential presence of ancient woodland within the Study Area was assessed using the web-based Lle Map Browser (Wales) database (**Ref. 3**) and the MAGIC map database (England) (**Ref.4**) and the results of which are provided in **Section 3 – Arboricultural survey findings** of this AIA.

Ancient and Veteran Trees

The potential presence of ancient and veteran trees within the study area was checked using the Woodland Trust's Ancient Tree Inventory (**Ref. 5**) and the results of which are provided in **Section 3 - Arboricultural survey findings** of this AIA.

WALKOVER SURVEY

For Sections 1-6 a 'noteworthy' walkover survey was undertaken on trees between a period of April and May 2022 and undertaken in accordance with the following criteria:

- A noteworthy tree survey collects BS5837 survey information for high and moderate quality features whilst the location of stems only has been recorded for low and very low-quality features.

- Arboricultural features have been recorded as individual trees or tree groups where this has been deemed appropriate. Tree groups have been recorded on the basis that they form distinct arboricultural features either aerodynamically, visually or because they contain trees of similar cultural and biodiversity value.
- The trees have been visually inspected from ground level only.
- No tissue samples were taken nor was any internal investigation of the subject trees undertaken.
- Tree heights have been calculated using a clinometer and crown spreads have been estimated to the nearest 1m.
- Notes have been recorded where they relate to the quality of the arboricultural feature.

Tree features associated with Section 7 were surveyed as part of the TCPA Proposed Development in March 2022 where a full tree survey in accordance with BS 5837 was provided as opposed to a noteworthy tree survey.

Additional surveys were undertaken in December 2022 for Change Request 1 in accordance with BS 5837.

Stem diameters have been measured in accordance with Annex C of BS 5837. Diameters of single stem trees on level ground have been measured at 1.5m above ground level. The diameters of other commonly encountered stems have been measured as per the guidance. The combined stem diameters for multi-stemmed trees have been calculated in accordance with BS 5837 paragraph 4.6.1.

By default, RPAs are calculated as an area equivalent to a circle with a radius 12 times the stem diameter. A precautionary approach has been used for veteran trees where a 15m buffer the tree stem, has been applied to ensure consistency with the DCO Proposed Development's approach to ancient woodland. The shape of RPAs can be adjusted to ensure that sufficient area, and therefore soil volume is protected. An adjusted RPA has not been drawn but the location of the tree protection fence provides sufficient area around the retained trees to ensure protection during construction.

QUALITY ASSESSMENT

The quality of arboricultural features has been determined in accordance with BS 5837 Table 1 a copy of which is provided in Insert 1. The purpose of the quality assessment is to enable informed decisions to be made regarding the removal and retention of arboricultural features in the context of development. For an arboricultural feature to be included within a particular quality category it will accord with the description provided.

The quality of high and moderate quality arboricultural features are defined based on its sub-category. Sub-categories carry equal weight, do not influence retention priority and are simply included to indicate the primary value associated with each surveyed item. Sub-categories 1, 2 and 3 are intended to reflect arboricultural, landscape and cultural values, respectively.

The quality and sub-category assigned to each arboricultural feature are identified within the Arboricultural Survey Schedule included in **Annex B** of this report.

REFERENCES

- 1 - Cheshire West and Chester Local Authority (2022). Public Map Viewer [online]. Available at: https://maps.cheshirewestandchester.gov.uk/cwac/webmapping?&e=351493.96&n=364458.00&layers=AM_V_IDOXTreePreservation_POINT_CURRENT_RestrictedFields.AM_V_IDOXTreePreservation_POLY_CURRENT_RestrictedFields&s=200000.00&bm=oscolour (Last Accessed: 08/07/22)
- 2 - Flintshire County Council (2022). Interactive mapping search for TPOs and Conservation Areas [online]. Available at: <https://fccmapping.flintshire.gov.uk/connect/analyst/mobile/#!/main?mapcfg=TreePreservationOrders> (Last Accessed 06/04/22)
- 3 - Welsh Government and Natural Resources Wales (2022). Geo-Portal for Wales – Lle Map Browser [online]. Available at: <http://lle.gov.wales/map#b=europa&l=2042;&m=-3.32655,53.34055,14> (Last Accessed: 08/07/22)
- 4 - Magic (DEFRA) (2022), Multi Agency Geographic Information for the Countryside [online] Available at: < <https://magic.defra.gov.uk/MagicMap.aspx>> [Accessed 12 May 2022].
- 5 - Woodland Trust, Ancient Tree Inventory – tree search [online]. Available at: <https://ati.woodlandtrust.org.uk/tree-search/?v=2028744&ml=map&z=14&nwLat=53.36264753705163&nwLng=-3.4070289204979542&seLat=53.324779658439155&seLng=-3.2422339986229542> (Last Accessed: 18/07/22)

Insert 1- BS 5837 Table 1 - Cascade Chart for Tree Quality Assessment

Table 1 Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category 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	<ul style="list-style-type: none"> Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality <p><i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</i></p>			See Table 2
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	See Table 2
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	See Table 2
Category 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	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	See Table 2

NOTES AND LIMITATIONS

Arboricultural survey data is of a preliminary nature whereby intrusive investigations have not been carried out and data has been collected based on a desk study and ground level walkover survey only.

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

Arboricultural survey data is typically valid for a period of two years. After two years it is recommended that the trees are reinspected to see whether their condition has materially changed. Significant environmental events (such as extreme weather conditions) or changes to the identified baseline conditions may render the data invalid within a shorter timescale.

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

Where topographical data wasn't available, the position of arboricultural features has been estimated using aerial photography and on-site GPS. The position and extent of these features should be regarded as approximate only.

The noteworthy survey has resulted in the location of stems only being recorded for low and very low-quality trees within Sections 1 - 6.

ANNEX B – ARBORICULTURAL SURVEY SCHEDULE

EXPLANATORY NOTES

The schedule provides the survey data of each surveyed feature and should be used in conjunction with the Preliminary Constraints and Impacts Plan (Annex D) to elicit an understanding of the features geographical location and anticipated impacts in relation to the DCO Proposed Development.

Reference Abbreviations

- G – Group
- T - Tree

Measurements

Height of trees was measured with a clinometer.

Stem diameter measurements are in accordance with BS 5837:2012.

Crown spreads have been estimated as a maximum diameter.

Crown height is an estimate of the lowest point of foliage above ground level of the tree indicating the clearance below the tree.

Assessments

Life stage:

- SM – Semi-mature – <25% estimated life expectancy
- EM – Early Mature – < 50% estimated life expectancy
- M – Mature – >50% estimated life expectancy

Estimated remaining contribution - <10 years, 10+ years, 20+ years or 40+ years.

BS 5837 Category – A, B, C or U with a single sub-category recorded as 1, 2 or 3.

Root Protection Area

RPA is the circular radius associated with the tree as measured from the centre of the stem. The RPA for groups is the equivalent RPA for the largest tree in that group and is illustrated in the Preliminary Constraints and Impacts Plan at **Annex D**.

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1	Native Oak	750	7	7	2.5	-	Crown decline	Mature	9.0	20+	B1	Section 6	Retained with Protection Measures
T2	Native Oak	600	7	7	3	-	-	Mature	7.2	20+	B1	Section 6	Retained with Protection Measures
T3	Native Oak	1050	16	18	3	-	-	Mature	12.6	40+	A1	Section 6	Retained with Protection Measures
T4	Native Oak	700	12	10	3	-	-	Mature	8.4	20+	B1	Section 6	Retained with Protection Measures
T5	Native Oak	700	12	12	3	-	-	Mature	8.4	20+	B1	Section 6	Retained with Protection Measures
T6	Native Oak	450	6	7	2.5	-	-	Early Mature	5.4	20+	B1	Section 6	At risk of removal but aiming to retain
G7	Mixed Broadleaves	300	14	7	<0.5	60	Predominantly multi-stemmed Alder with Goat Willow to north end. Cumulative diameter estimated	Mature	3.6	20+	B2	Section 6	At risk of removal but aiming to retain
T8	Native Oak	700	6	7	3	-	-	Mature	8.4	20+	B1	Section 6	Retained with Protection Measures
T9	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
T10	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
T11	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
T12	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
T13	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
G18	Mixed Broadleaves	550	20	10	<0.5	500	Mature Oak woodland. Oak dominant species.	Mature	6.6	40+	A2	Section 6	At risk of removal but aiming to retain
T14	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
T15	Native Oak	700	13	13	3	-	Crown decline	Mature	8.4	20+	B1	Section 6	Retained with Protection Measures
T16	Native Oak	850	13	15	3	-	-	Mature	10.2	40+	A1	Section 6	Retained with Protection Measures
G17	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 6	Partial removal
T19	Native Oak	850	12	12	3	-	-	Mature	10.2	20+	B1	Section 6	At risk of removal but aiming to retain
T20	Native Oak	900	13	13	3	-	-	Mature	10.8	20+	B1	Section 6	At risk of removal but aiming to retain
T21	Native Oak	900	17	15	3	-	-	Mature	10.8	40+	A1	Section 6	At risk of removal but aiming to retain
T22	Native Oak	850	9	9	3	-	Crown decline	Mature	10.2	20+	B1	Section 6	At risk of removal but aiming to retain
T23	Native Oak	950	16	15	3	-	-	Mature	11.4	40+	A1	Section 6	At risk of removal but aiming to retain
T24	Native Oak	950	16	19	2.5	-	Southern crown extent lost to storm damage	Mature	11.4	20+	B1	Section 6	Removed

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T25	Native Oak	900	14	14	3	-	Western crown extent lost to historic storm damage, upper stem cavities as a result	Mature	10.8	20+	B1	Section 6	At risk of removal but aiming to retain
G26	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 6	At risk of removal but aiming to retain
T27	Native Oak	1000	15	15	3	-	-	Mature	12	40+	A1	Section 6	At risk of removal but aiming to retain
T28	Remotely surveyed	-	-	-	-	-	Stem sheared into three	-	-	<10	U	Section 6	Retained with Protection Measures
G29	Native Oak	700	13	12	2.5	6	-	Mature	8.4	20+	B2	Section 6	At risk of removal but aiming to retain
G30	Mixed Broadleaves	650	19	12	<0.5	22	Beech stand with Oak and mature Hawthorn	Mature	7.8	40+	A2	Section 6	Partial removal
T31	Native Oak	1000	18	19	3	-	-	Mature	12	40+	A1	Section 6	Removed
T32	Apple	350	7	6	3	-	-	Mature	4.2	20+	B1	Section 6	Removed
T33	Native Oak	950	15	13	3	-	-	Mature	11.4	20+	B1	Section 6	At risk of removal but aiming to retain
G38	Mixed Broadleaves	825	22	10	<0.5	12	-	Mature	9.9	40+	A2	Section 6	At risk of removal but aiming to retain
T37	Native Oak	850	13	12	3	-	-	Mature	10.2	40+	A1	Section 6	At risk of removal but aiming to retain
T36	Beech	700	14	10	2.5	-	-	Mature	8.4	40+	A1	Section 6	At risk of removal but aiming to retain
T35	Native Oak	900	14	15	3	-	-	Mature	10.8	40+	A1	Section 6	Retained with Protection Measures
T34	Native Oak	850	10	14	2.5	-	-	Mature	10.2	20+	B1	Section 6	Retained with Protection Measures
G39	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 6	At risk of removal but aiming to retain
T40	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Retained with Protection Measures
G41	Poplar	400	19	7	3	6	-	Early Mature	4.8	20+	B2	Section 6	Retained with Protection Measures
G42	Mixed Broadleaves	225	15	6	<0.5	30	-	Semi Mature	2.7	20+	B2	Section 6	Retained with Protection Measures
T43	Native Oak	800	10	14	3	-	-	Mature	9.6	40+	A1	Section 6	Removed
T44	Native Oak	1000	10	14	3	-	-	Mature	12	40+	A1	Section 6	Removed
T45	Native Oak	900	16	15	3	-	-	Mature	10.8	40+	A1	Section 6	Removed
G46	Mixed Broadleaves	300	19	8	0.5	25	-	Early Mature	3.6	20+	B2	Section 6	Retained with Protection Measures
T48	Native Oak	950	19	19	3.5	-	-	Mature	11.4	40+	A1	Section 6	At risk of removal but aiming to retain
G47	Mixed Broadleaves	300	19	7	<0.5	50	-	Early Mature	3.6	20+	B2	Section 6	Retained with Protection Measures
G49	Remotely surveyed	-	-	-	-	-	Narrow width section with wind blown trees, crown decline and storm damage	-	-	10+	C2	Section 6	Retained with Protection Measures
G50	Poplar	350	18	8	<0.5	10	-	Early Mature	4.2	20+	B2	Section 6	Retained with Protection Measures
T51	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 6	Removed

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T52	Native Oak	800	14	14	3.5	-	-	Mature	9.6	20+	B1	Section 6	Retained with Protection Measures
T53	Native Oak	900	16	15	3	-	-	Mature	10.8	20+	B1	Section 6	At risk of removal but aiming to retain
G54	Sycamore	600	16	12	1	3	-	Mature	7.2	20+	B2	Section 6	Partial removal
T55	Native Oak	600	12	9	3	-	-	Early Mature	7.2	20+	B1	Section 6	At risk of removal but aiming to retain
G58	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 6	Partial removal
G56	Mixed Broadleaves	425	15	8	<0.5	25	-	Early Mature	5.1	20+	B2	Section 6	Partial removal
T57	Native Oak	1000	16	20	4	-	-	Mature	12	40+	A1	Section 6	At risk of removal but aiming to retain
T59	Native Oak	700	7	6	2.5	-	-	Early Mature	8.4	20+	B1	Section 6	Retained with Protection Measures
G61	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 6	Partial removal
G60	Native Oak	775	15	12	2.5	3	-	Early Mature	9.3	40+	A2	Section 6	Partial removal
G62	Native Oak	850	17	13	2.5	4	-	Mature	10.2	20+	B2	Section 6	At risk of removal but aiming to retain
T63	Ash	480	14	9	3.5	-	-	Early Mature	5.8	20+	B1	Section 6	Retained with Protection Measures
T64	Native Oak	800	14	14	3	-	-	Mature	9.6	20+	B1	Section 6	At risk of removal but aiming to retain
T65	Native Oak	750	14	13	4	-	-	Mature	9	20+	B1	Section 6	Retained with Protection Measures
T66	Native Oak	850	15	17	3	-	-	Mature	10.2	20+	B1	Section 6	At risk of removal but aiming to retain
T67	Ash	800	18	12	3	-	-	Mature	9.6	20+	B1	Section 6	Retained with Protection Measures
T68	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 6	Removed
G69	Native Oak	875	15	13	3	3	-	Mature	10.5	40+	A2	Section 5	At risk of removal but aiming to retain
T70	Native Oak	850	14	14	3	-	-	Mature	10.2	40+	A1	Section 6	Removed
T71	Native Oak	850	15	14	3	-	-	Mature	10.2	20+	B1	Section 5	At risk of removal but aiming to retain
T72	Native Oak	950	13	16	3.5	-	-	Mature	11.4	40+	A1	Section 5	Retained with Protection Measures
T73	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 5	Retained with Protection Measures
G74	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T75	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T76	Native Oak	900	16	16	2.5	-	-	Mature	10.8	40+	A1	Section 5	At risk of removal but aiming to retain
T77	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G78	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T79	Native Oak	650	12	10	2	-	-	Early Mature	7.8	20+	B1	Section 6	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T80	Native Oak	900	13	13	3	-	Crown decline	Over Mature	10.8	20+	B1	Section 5	Removed
T81	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
G82	Native Oak	475	13	12	3	6	-	Early Mature	5.7	20+	B2	Section 5	Partial removal
T83	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T84	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T85	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T86	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T87	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T88	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T89	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T90	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T91	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T92	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T93	Native Oak	900	16	15	3	-	Crown decline	Over Mature	10.8	20+	B1	Section 5	Removed
G94	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T95	Native Oak	470	9	9	2.5	-	-	Early Mature	5.6	20+	B1	Section 5	Removed
T96	Native Oak	650	12	12	3	-	-	Early Mature	7.8	20+	B1	Section 5	At risk of removal but aiming to retain
T97	Native Oak	800	15	13	3	-	-	Mature	9.6	40+	A1	Section 5	At risk of removal but aiming to retain
T98	Native Oak	1000	15	14	4	-	Progressive decline	Over Mature	12	20+	B1	Section 5	At risk of removal but aiming to retain
T99	Remotely surveyed	-	-	-	-	-	Extensive bark death, only north flank of stem has viable bark. Short projected remaining life expectancy.	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T100	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T101	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T102	Native Oak	800	14	14	2.5	-	-	Mature	9.6	40+	A1	Section 5	At risk of removal but aiming to retain
G103	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T104	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T105	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T106	Native Oak	1050	17	16	3	-	-	Over Mature	12.6	40+	A1	Section 5	At risk of removal but aiming to retain
T107	Remotely surveyed	-	-	-	-	-	Progressive state of decline	-	-	10+	C1	Section 5	Retained with Protection Measures
T108	Remotely surveyed	-	-	-	-	-	Progressive and terminal state of decline.	-	-	10+	C1	Section 5	Retained with Protection Measures
G109	Mixed Broadleaves	575	20	12	<0.5	80	-	Mature	6.9	40+	A2	Section 5	At risk of removal but aiming to retain
T110	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 5	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G111	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G112	Mixed Broadleaves	500	20	12	<0.5	200	-	Mature	6	40+	A2	Section 5	At risk of removal but aiming to retain
G113	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T114	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G115	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G116	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T117	Native Oak	800	13	15	2.5	-	-	Mature	9.6	40+	A1	Section 5	At risk of removal but aiming to retain
T118	Native Oak	550	11	13	3	-	-	Early Mature	6.6	20+	B1	Section 5	Removed
T119	Apple	750	8	9	3	-	3 stems from 2m, diameter estimated	Mature	9	40+	A1	Section 5	Removed
T120	Ash	600	19	9	3	-	-	Early Mature	7.2	20+	B1	Section 5	At risk of removal but aiming to retain
T121	Native Oak	950	15	16	3	-	-	Mature	11.4	40+	A1	Section 5	At risk of removal but aiming to retain
T122	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T123	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T124	Native Oak	700	7	7	2.5	-	-	Mature	8.4	20+	B1	Section 5	At risk of removal but aiming to retain
T125	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T126	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T127	Ash	1040	21	19	3	-	-	Over Mature	12.5	40+	A1	Section 5	At risk of removal but aiming to retain
T128	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
G129	Mixed Broadleaves	500	17	10	<0.5	500	-	Mature	6	40+	A2	Section 5	Retained with Protection Measures
T130	Native Oak	950	17	15	2.5	-	Heavily pruned back from power lines	Mature	11.4	20+	B1	Section 5	Retained with Protection Measures
T131	Native Oak	900	17	15	2.5	-	-	Mature	10.8	20+	B1	Section 5	At risk of removal but aiming to retain
G132	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T133	Native Oak	900	16	15	2.5	-	-	Mature	10.8	40+	A1	Section 5	Retained with Protection Measures
T134	Native Oak	1000	18	17	3	-	-	Mature	12	40+	A1	Section 5	Retained with Protection Measures
G137	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T135	Native Oak	700	13	11	3	-	Crown fully biased south.	Mature	8.4	20+	B1	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T136	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T138	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T139	Native Oak	950	16	17	3	-	Central crown region lost to storm damage	Mature	11.4	20+	B1	Section 5	At risk of removal but aiming to retain
T140	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T141	Native Oak	850	12	12	3	-	-	Mature	10.2	20+	B1	Section 5	At risk of removal but aiming to retain
T142	Native Oak	900	17	14	3	-	-	Mature	10.8	40+	A1	Section 5	At risk of removal but aiming to retain
T143	Native Oak	1050	18	15	3	-	-	Mature	12.6	40+	A1	Section 5	Removed
T144	Native Oak	480	12	10	3	-	-	Early Mature	5.8	20+	B1	Section 5	Retained with Protection Measures
G145	Mixed Broadleaves	250	15	6	<0.5	50	-	Early Mature	3	20+	B2	Section 5	At risk of removal but aiming to retain
G146	Native Oak	750	14	13	3	6	Crown decline within group.	Mature	9	20+	B2	Section 5	Partial removal
T147	Native Oak	1050	17	18	3	-	-	Mature	12.6	40+	A1	Section 5	Retained with Protection Measures
T148	Native Oak	1000	18	18	3	-	-	Mature	12	40+	A1	Section 5	At risk of removal but aiming to retain
T149	Native Oak	650	9	8	>4.0	-	Crown decline, dense ivy.	Mature	7.8	20+	B1	Section 5	Removed
T150	Native Oak	750	14	15	3	-	-	Mature	9	20+	B1	Section 5	Retained with Protection Measures
G151	Mixed Broadleaves	275	13	7	2.5	20	-	Early Mature	3.3	20+	B2	Section 5	At risk of removal but aiming to retain
T152	Native Oak	1000	20	19	3.5	-	-	Mature	12	40+	A1	Section 5	Removed
G153	Mixed Broadleaves	250	13	6	<0.5	125	-	Semi Mature	3	20+	B2	Section 5	Partial removal
T154	Native Oak	1000	14	17	2.5	-	-	Mature	12	40+	A1	Section 5	Removed
G155	Native Oak	825	15	13	3	2	-	Mature	9.9	20+	B2	Section 5	Partial removal
T156	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 5	Retained with Protection Measures
G157	Mixed Broadleaves	375	14	7	<0.5	25	-	Early Mature	4.5	20+	B2	Section 5	Partial removal
G158	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Removed
T159	Native Oak	800	15	14	>4.0	-	-	Mature	9.6	20+	B1	Section 5	At risk of removal but aiming to retain
G160	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G161	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G162	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T163	Native Oak	750	12	13	>4.0	-	-	Mature	9	20+	B1	Section 5	Retained with Protection Measures
G164	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G165	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G166	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G167	Mixed Broadleaves	200	10	5	<0.5	100	-	Early Mature	2.4	20+	B2	Section 5	Partial removal
G168	Mixed Broadleaves	225	13	5	0.5	125	-	Semi Mature	2.7	20+	B2	Section 5	Partial removal
G169	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G170	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G171	Mixed Broadleaves	475	14	9	2.5	4	-	Early Mature	5.7	20+	B2	Section 5	At risk of removal but aiming to retain
T172	Native Oak	700	12	12	2	-	-	Early Mature	8.4	20+	B1	Section 5	Removed
T173	Native Oak	600	12	10	2.5	-	-	Early Mature	7.2	20+	B1	Section 5	At risk of removal but aiming to retain
G174	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T175	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T176	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T177	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G178	Mixed Broadleaves	250	13	6	<0.5	45	-	Early Mature	3	20+	B2	Section 5	Retained with Protection Measures
G179	Mixed Broadleaves	325	19	7	<0.5	400	-	Early Mature	3.9	40+	A2	Section 5	Retained with Protection Measures
G180	Mixed Broadleaves	550	23	9	<0.5	250	Mature Ash trees growing along steep southern bankside displaying vereran characteristics, indicating a far older woodland. Occasional mature Oak and more recenty colonised by Sycamore and Ash. Collective veteran characteristics of the mature Ash.	Veteran	15.0	40+	A3	Section 5	Retained with Protection Measures
T181	Norway Maple	550	11	12	2.5	-	-	Early Mature	6.6	20+	B1	Section 5	Retained with Protection Measures
T182	Lime	340	11	9	2.5	-	-	Semi Mature	4.1	20+	B1	Section 5	Retained with Protection Measures
T183	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T184	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T185	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G186	Mixed Broadleaves	525	14	8	2	14	-	Mature	6.3	20+	B2	Section 5	Retained with Protection Measures
G187	Remotely surveyed	-	-	-	-	-	Predominantly self set scrub growth. Unmanaged with dense undergrowth.	-	-	10+	C2	Section 5	Partial removal

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T188	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T189	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T190	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T191	Whitebeam	440	9	7	2	-	3 stems from 1.2m, diameter estimated	Early Mature	5.3	20+	B1	Section 5	At risk of removal but aiming to retain
G192	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G193	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G194	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T195	Native Oak	800	15	16	3	-	-	Mature	9.6	40+	A1	Section 5	Removed
T196	Native Oak	600	11	12	1	-	Twin stem from 1m, diameter estimated	Early Mature	7.2	20+	B1	Section 5	At risk of removal but aiming to retain
T197	Native Oak	700	12	13	1	-	2 stems from base	Early Mature	8.4	20+	B1	Section 5	At risk of removal but aiming to retain
T198	Native Oak	350	10	9	2	-	-	Early Mature	4.2	20+	B1	Section 5	At risk of removal but aiming to retain
T199	Ash	350	10	10	1	-	-	Early Mature	4.2	20+	B1	Section 5	At risk of removal but aiming to retain
G200	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G201	Mixed Broadleaves	250	13	7	0.5	500	-	Early Mature	3	20+	B2	Section 5	At risk of removal but aiming to retain
G202	Mixed Broadleaves	450	17	9	<0.5	50	-	Mature	5.4	40+	A2	Section 5	At risk of removal but aiming to retain
T203	Native Oak	650	10	10	3	-	-	Early Mature	7.8	20+	B1	Section 5	At risk of removal but aiming to retain
G204	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G205	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T206	Remotely surveyed	-	-	-	-	-	Progressive state of decline	-	-	10+	C1	Section 5	Retained with Protection Measures
T207	Native Oak	900	12	13	3	-	-	Mature	10.8	20+	B1	Section 5	At risk of removal but aiming to retain
T208	Native Oak	950	13	13	3	-	-	Mature	11.4	40+	A1	Section 5	At risk of removal but aiming to retain
T209	Native Oak	950	9	15	2.5	-	-	Mature	11.4	40+	A1	Section 5	Retained with Protection Measures
T210	Native Oak	950	8	11	2.5	-	-	Mature	11.4	20+	B1	Section 5	At risk of removal but aiming to retain
T211	Native Oak	950	16	16	3	-	-	Mature	11.4	40+	A1	Section 5	Removed
T212	Remotely surveyed	-	-	-	-	-	Dead standing tree	-	-	<10	U	Section 5	At risk of removal but aiming to retain
T213	Native Oak	950	16	16	2.5	-	-	Mature	11.4	40+	A1	Section 5	At risk of removal but aiming to retain
T214	Native Oak	1050	18	18	3	-	-	Mature	12.6	40+	A1	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T215	Native Oak	800	12	12	2.5	-	-	Mature	9.6	20+	B1	Section 5	Retained with Protection Measures
T216	Native Oak	1100	14	14	2	-	-	Mature	13.2	40+	A1	Section 5	Removed
T217	Native Oak	850	13	14	3	-	-	Mature	10.2	20+	B1	Section 5	At risk of removal but aiming to retain
T218	Remotely surveyed	-	-	-	-	-	Progressive state of decline	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G219	Remotely surveyed	-	-	-	-	-	Progressive state of decline	-	-	10+	C2	Section 5	Partial removal
T220	Native Oak	900	13	13	2.5	-	-	Mature	10.8	20+	B1	Section 5	Retained with Protection Measures
G221	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T222	Native Oak	900	16	16	2.5	-	Significant storm damage to crown	Mature	10.8	20+	B1	Section 5	At risk of removal but aiming to retain
T223	Native Oak	850	12	13	3	-	-	Mature	10.2	20+	B1	Section 5	At risk of removal but aiming to retain
T224	Ash	350	13	9	3	-	-	Semi Mature	4.2	20+	B1	Section 5	At risk of removal but aiming to retain
T225	Native Oak	900	12	12	3	-	-	Mature	10.8	20+	B1	Section 5	At risk of removal but aiming to retain
T226	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
G227	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G228	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T229	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T230	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T231	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G232	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T233	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T234	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T235	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G236	Norway Maple	385	16	9	1.5	8	-	Early Mature	4.6	20+	B2	Section 5	Retained with Protection Measures
T237	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T238	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T239	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T240	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T241	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T242	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T243	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T244	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T245	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T246	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T247	Native Oak	700	12	14	2.5	-	-	Mature	8.4	20+	B1	Section 5	Removed
G248	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T249	Native Oak	850	15	17	2	-	-	Mature	10.2	40+	A1	Section 5	At risk of removal but aiming to retain
G250	Native Oak	575	17	10	3	32	Closely spaced Oaks, possibly located on highway land, separated from larger woodland by stock fencing	Mature	6.9	40+	A2	Section 5	At risk of removal but aiming to retain
T251	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T252	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T253	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T254	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G255	Native Oak	700	14	13	3	15	-	Mature	8.4	40+	A2	Section 5	At risk of removal but aiming to retain
T256	Native Oak	1000	14	17	3	-	-	Mature	12	40+	A1	Section 5	At risk of removal but aiming to retain
T257	Native Oak	900	14	15	3.5	-	-	Mature	10.8	40+	A1	Section 5	Removed
T258	Native Oak	950	14	17	3	-	-	Mature	11.4	40+	A1	Section 5	Retained with Protection Measures
G259	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T260	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T261	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T262	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T263	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T264	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T265	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T266	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T267	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T268	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T269	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T270	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G271	Birch	375	14	9	2.5	3	-	Early Mature	4.5	20+	B2	Section 5	At risk of removal but aiming to retain
G272	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T273	Ash	1450	20	15	0.5	-	Historic hedgerow Ash. Basal buttress cavities with nesting material visible. Moderately dense ivy. Large diameter branch loss wounds. Inonotus hispidus detachment point. Crown decline. Veteran characteristics.	Veteran	21.8	40+	A3	Section 5	Retained with Protection Measures
G274	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T275	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T276	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T277	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T278	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T279	Native Oak	850	17	16	3	-	Storm damage	Mature	10.2	20+	B1	Section 5	Removed
T280	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T281	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T282	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T283	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T284	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T285	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T287	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T288	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G289	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G290	Ash	575	15	11	2.5	7	Lapsed Ash hedgerow	Mature	6.9	20+	B2	Section 5	At risk of removal but aiming to retain
G286	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
T291	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T292	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T293	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G294	Mixed Broadleaves	275	10	7	1	9	-	Early Mature	3.3	20+	B2	Section 5	At risk of removal but aiming to retain
G295	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G296	Mixed Broadleaves	250	14	5	<0.5	200	-	Early Mature	3	20+	B2	Section 5	At risk of removal but aiming to retain
T297	Ash	800	17	14	3.5	-	2 stems from base. Diameter estimated. High crown lift. Ash dieback present on sucker growth.	Mature	9.6	20+	B1	Section 5	At risk of removal but aiming to retain
G300	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T298	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T299	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G301	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G302	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G303	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T304	Ash	1350	12	14	2.5	-	Coppice origin, original stem lost at 3m with regrowth and established basal sucker growth. 5 stems from base. Diameter estimated.	Mature	16.2	20+	B1	Section 5	At risk of removal but aiming to retain
G305	Mixed Broadleaves	275	12	7	<0.5	100	Unmanaged copse. Dense undergrowth.	Mature	3.3	20+	B2	Section 5	Partial removal
T306	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G307	Mixed Broadleaves	225	9	5	<0.5	45	Mixed hawthorn and young Oak copse. 2 stems from base.	Mature	2.7	20+	B2	Section 5	Partial removal
T308	Native Oak	420	11	12	4	-	-	Mature	5	20+	B1	Section 5	Removed
G309	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T310	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
T311	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T312	Native Oak	910	10	16	3	-	Slight stem kink south. 2 stems from 4m. Crown biased to the south.	Mature	10.9	40+	A1	Section 5	Removed
G322	Mixed Broadleaves	225	6	6	<0.5	30	Historic hedgerow, unmanaged. Slight stem kink south. 2 stems from 4m. Crown biased south. Native Oak and Hawthorn.	Mature	2.7	20+	B2	Section 5	Partial removal
T313	Ash	600	13	12	>4.0	-	2 stems from base, crown lifted	Mature	7.2	20+	B1	Section 5	At risk of removal but aiming to retain
T314	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G315	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T316	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T317	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T318	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T319	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T320	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T321	Ash	940	11	12	3	-	Dense ivy to upper crown	Mature	11.3	20+	B1	Section 5	At risk of removal but aiming to retain
G323	Mixed Broadleaves	350	12	10	3	12	9 x silver birch, 3 x sycamore	Semi Mature	4.2	20+	B2	Section 5	Partial removal
T324	Sycamore	940	16	13	4	-	1m x 30cm cavity opening from 0.3m south	Mature	11.3	20+	B1	Section 5	At risk of removal but aiming to retain
G235	Remotely surveyed	-	-	-	-	-	Coppice origin. 1m x 30cm cavity opening from 0.3m south.	-	-	10+	C2	Section 5	Partial removal
G326	Mixed Broadleaves	400	15	6	<0.5	140	Mature Hawthorn wood from western end with character changing to self set young to early mature Sycamore, Ash, Goat Willow, Norway Maple, Buddleia and Oak.	Early Mature	4.8	20+	B2	Section 5	At risk of removal but aiming to retain
T327	Native Oak	1150	17	20	3	-	-	Mature	13.8	40+	A1	Section 5	Retained with Protection Measures
G328	Mixed Broadleaves	375	18	8	<0.5	500	Young to early mature mixed broadleaf woodland. Oak, Elm, Birch, Willow, Alder, Elder, Hawthorn, Ash and Sycamore present. Active badgers setts within woodland.	Early Mature	4.5	40+	A2	Section 5	At risk of removal but aiming to retain
G329	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G330	Norway Maple	400	15	6	2	14	-	Early Mature	4.8	20+	B2	Section 5	Retained with Protection Measures
G331	Mixed Broadleaves	175	7	4	<0.5	70	-	Mature	2.1	20+	B2	Section 5	Retained with Protection Measures
G332	Hawthorn	200	7	4	<0.5	75	-	Mature	2.4	20+	B2	Section 5	Partial removal
G333	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G334	Mixed Broadleaves	225	11	7	<0.5	50	Block planted carriageway screening	Semi Mature	2.7	20+	B2	Section 5	Retained with Protection Measures
G335	Ash	300	17	14	2.5	4	Multi-stemmed coppice origin, remnants of hedgerow. Cumulative diameter estimated.	Mature	3.6	20+	B2	Section 5	At risk of removal but aiming to retain
T336	Hazel	750	8	12	2.5	-	9+ stems from base. Diameter estimated.	Mature	9	20+	B1	Section 5	At risk of removal but aiming to retain
T337	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Removed
G338	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G339	Holly	200	9	10	<0.5	25	Coppice origin	Mature	2.4	20+	B2	Section 5	Partial removal
G340	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G341	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T342	Sycamore	350	10	7	3	-	-	Early Mature	4.2	20+	B1	Section 5	Retained with Protection Measures
G343	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G344	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G345	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Partial removal
G346	Mixed Broadleaves	250	14	8	<0.5	75	Lapsed hedgerow leading to woodland edge	Early Mature	3	20+	B2	Section 5	Retained with Protection Measures
T347	Eucalyptus	470	15	6	3.5	-	-	Early Mature	5.6	20+	B1	Section 5	At risk of removal but aiming to retain
G348	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G349	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
T350	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G351	Mixed Broadleaves	200	12	10	<0.5	30	Multi-stemmed Willow and Alder with Hawthorn.	Early Mature	2.4	20+	B2	Section 5	Retained with Protection Measures
T352	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G353	Mixed Broadleaves	300	14	8	<0.5	35	-	Early Mature	3.6	20+	B2	Section 5	At risk of removal but aiming to retain
T354	Sycamore	850	15	14	3	-	-	Mature	10.2	40+	A1	Section 5	At risk of removal but aiming to retain
G355	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
T356	Remotely surveyed	-	-	-	-	-	Progressive decline	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
T357	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G358	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
G359	Mixed Broadleaves	200	14	7	<0.5	125	-	Semi Mature	2.4	20+	B2	Section 5	Retained with Protection Measures
G360	Mixed Broadleaves, Cypress	200	9	5	0.5	25	-	Early Mature	2.4	20+	B2	Section 5	At risk of removal but aiming to retain
T361	Sycamore	850	17	15	3.5	-	-	Mature	10.2	40+	A1	Section 5	Retained with Protection Measures
T362	Native Oak	550	9	9	3	-	-	Early Mature	6.6	20+	B1	Section 5	Retained with Protection Measures
T363	Native Oak	700	12	16	3	-	-	Early Mature	8.4	40+	A1	Section 5	Removed
T364	Remotely surveyed	-	-	-	-	-	Topped to 4m stem with minor branches	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G365	Magnolia	625	19	10	3	7	-	Mature	7.5	20+	B2	Section 5	Partial removal
T366	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T367	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
T368	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G369	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
T370	Ash	650	16	12	3.5	-	-	Early Mature	7.8	20+	B1	Section 5	Retained with Protection Measures
T371	Ash	850	20	16	4	-	Crown biased east, due to neighbouring tree to west, since removed.	Mature	10.2	40+	A1	Section 5	Retained with Protection Measures
G372	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
T373	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	Retained with Protection Measures
G374	Native Oak	685	15	13	2.5	5	Linear row located along boundary with public play park. Very high amenity value.	Mature	8.2	40+	A2	Section 5	Retained with Protection Measures
G375	Mixed Broadleaves	300	13	8	<0.5	75	Lapsed hedgerow, valuable screen	Early Mature	3.6	20+	B2	Section 5	Retained with Protection Measures
T376	Native Oak	850	13	16	3	-	-	Mature	10.2	40+	A1	Section 5	Retained with Protection Measures
G377	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G378	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	At risk of removal but aiming to retain
T379	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 5	At risk of removal but aiming to retain
G380	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
G381	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 5	Retained with Protection Measures
T382	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T383	Sycamore	850	16	14	3	-	-	Mature	10.2	40+	A1	Section 4	Retained with Protection Measures
T384	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G385	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
T386	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T387	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G388	Mixed Broadleaves	475	18	10	<0.5	25	-	Mature	5.7	20+	B2	Section 4	At risk of removal but aiming to retain
T389	Native Oak	650	12	12	3	-	-	Early Mature	7.8	20+	B1	Section 4	At risk of removal but aiming to retain
T390	Ash	750	15	14	3	-	Twin stem from 1m	Early Mature	9	20+	B1	Section 4	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T391	Ash	700	14	12	3	-	-	Mature	8.4	20+	B1	Section 4	Retained with Protection Measures
G392	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T393	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T394	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G395	Willow	250	10	12	<0.5	12	Lapsed coppice origin hedgrow	Mature	3	20+	B2	Section 4	At risk of removal but aiming to retain
T396	Native Oak	950	13	15	3	-	Crown highly biased south	Mature	11.4	20+	B1	Section 4	At risk of removal but aiming to retain
T397	Ash	450	11	7	3	-	3 stems from base	Early Mature	5.4	20+	B1	Section 4	At risk of removal but aiming to retain
T398	Ash	950	15	2	3	-	0.5m x 10cm cavity opening from 1m north, opens into hollowed out stem with upper branch tear out cavity.	Veteran	15.0	40+	A3	Section 4	Retained with Protection Measures
G400	Remotely surveyed	-	-	-	-	-	0.5m x 10cm cavity opening from 1m north, opens into hollowed out stem with upper branch tear out cavity.	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T399	Remotely surveyed	-	-	-	-	-	Stem lost at 3m. 1 x 300mm x 12m long lateral to south and minor branch north	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T401	Native Oak	950	12	13	3	-	Crown decline	Mature	11.4	20+	B1	Section 4	At risk of removal but aiming to retain
G402	Native Oak	375	8	8	2.5	6	-	Semi Mature	4.5	20+	B2	Section 4	Retained with Protection Measures
T403	Native Oak	800	13	15	3.5	-	-	Mature	9.6	20+	B1	Section 4	Retained with Protection Measures
T404	Native Oak	950	14	16	2.5	-	-	Mature	11.4	20+	B1	Section 4	At risk of removal but aiming to retain
T405	Native Oak	850	13	15	2.5	-	-	Mature	10.2	20+	B1	Section 4	At risk of removal but aiming to retain
T406	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T407	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T408	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T409	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Removed
T410	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Removed
T411	Native Oak	400	8	9	3	-	-	Early Mature	4.8	20+	B1	Section 4	Removed
G412	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G413	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
T414	Native Oak	800	15	17	2.5	-	-	Mature	9.6	40+	A1	Section 4	Removed
T415	Native Oak	350	12	7	3	-	-	Early Mature	4.2	20+	B1	Section 4	Removed
G416	Mixed Broadleaves	525	15	10	2	10	-	Mature	6.3	20+	B2	Section 4	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T417	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T418	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T419	Native Oak	800	14	16	3	-	-	Mature	9.6	40+	A1	Section 4	At risk of removal but aiming to retain
G420	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G421	Willow	425	15	7	<0.5	15	Majority coppice origin, valuable screen	Early Mature	5.1	20+	B2	Section 4	At risk of removal but aiming to retain
T422	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T423	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G424	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T425	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T426	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T427	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T428	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T429	Native Oak	900	17	19	3	-	-	Mature	10.8	40+	A1	Section 4	At risk of removal but aiming to retain
G430	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T431	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Removed
T432	Ash	600	12	11	3.5	-	-	Early Mature	7.2	20+	B1	Section 4	Retained with Protection Measures
G433	Remotely surveyed	-	-	-	-	-	Multistemmed, progressive decline	-	-	10+	C2	Section 4	Partial removal
T434	Remotely surveyed	-	-	-	-	-	Multistemmed, progressive decline	-	-	10+	C1	Section 4	Removed
T435	Ash	700	15	12	3.5	-	-	Mature	8.4	20+	B1	Section 4	At risk of removal but aiming to retain
G439	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T436	Native Oak	460	13	13	3	-	-	Semi Mature	5.5	20+	B1	Section 4	Retained with Protection Measures
T437	Birch	350	13	7	3	-	-	Semi Mature	4.2	20+	B1	Section 4	Retained with Protection Measures
T438	Ash	450	10	8	3.5	-	Multistemmed	Early Mature	5.4	20+	B1	Section 4	Removed
T440	Ash	300	9	6	3.5	-	2 stems from base	Semi Mature	3.6	20+	B1	Section 4	Removed
T441	Ash	450	12	14	2.5	-	Coppice origin, multi-stemmed Ash. Diameter estimated.	Early Mature	5.4	20+	B1	Section 4	At risk of removal but aiming to retain
G442	Mixed Broadleaves	225	11	6	<0.5	150	Very closely spaced group	Early Mature	2.7	20+	B2	Section 4	At risk of removal but aiming to retain
G443	Mixed Broadleaves	550	23	9	1	19	-	Early Mature	6.6	20+	B2	Section 4	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G444	Scots Pine	305	23	6	1	19	-	Early Mature	3.7	20+	B2	Section 4	At risk of removal but aiming to retain
T445	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T446	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G447	Horse Chestnut	850	19	14	2.5	5	-	Mature	10.2	40+	A2	Section 4	At risk of removal but aiming to retain
T448	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T449	Ash	480	13	11	3	-	-	Early Mature	5.8	20+	B1	Section 4	Retained with Protection Measures
T450	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T452	Native Oak	1100	18	17	3	-	-	Mature	13.2	40+	A1	Section 4	At risk of removal but aiming to retain
G451	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T453	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Removed
G454	Native Oak	900	15	14	3.5	4	Trenched down east side of stems. Basal wounding and poor pruning	Over Mature	10.8	20+	B2	Section 4	Partial removal
G455	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T456	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T457	Native Oak	460	9	9	2	-	-	Early Mature	5.5	20+	B1	Section 4	At risk of removal but aiming to retain
T458	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T459	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G460	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
G461	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T462	Native Oak	950	14	14	2.5	-	-	Mature	11.4	20+	B1	Section 4	Retained with Protection Measures
T463	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G470	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T464	Native Oak	800	15	15	2	-	-	Mature	9.6	40+	A1	Section 4	Retained with Protection Measures
G465	Mixed Broadleaves	125	7	5	<0.5	35	Lapsed hedgerow	Mature	1.5	20+	B2	Section 4	Partial removal
G466	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
G467	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
G468	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T469	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T471	Lime	580	13	12	2.5	-	-	Early Mature	7	20+	B1	Section 4	At risk of removal but aiming to retain
G472	Mixed Broadleaves	225	9	5	<0.5	13	-	Semi Mature	2.7	20+	B2	Section 4	Partial removal
T473	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G474	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
G475	Mixed Broadleaves	325	9	7	2.5	3	-	Early Mature	3.9	20+	B2	Section 4	At risk of removal but aiming to retain
G476	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G477	Mixed Broadleaves	450	13	8	2	4	-	Early Mature	5.4	20+	B2	Section 4	At risk of removal but aiming to retain
G478	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T479	Horse Chestnut	480	9	8	3	-	-	Semi Mature	5.8	20+	B1	Section 4	At risk of removal but aiming to retain
T480	Horse Chestnut	540	9	8	2.5	-	-	Semi Mature	6.5	20+	B1	Section 4	At risk of removal but aiming to retain
G481	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G482	Horse Chestnut	525	7	10	2	1	-	Semi Mature	6.3	20+	B2	Section 4	At risk of removal but aiming to retain
G483	Scots Pine	300	10	6	2.5	2	-	Early Mature	3.6	20+	B2	Section 4	At risk of removal but aiming to retain
G484	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
G485	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T486	Native Oak	450	11	9	3	-	-	Early Mature	5.4	20+	B1	Section 4	Retained with Protection Measures
T487	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G488	Larch	200	8	5	2	2	-	Semi Mature	2.4	20+	B2	Section 4	At risk of removal but aiming to retain
G489	Mixed Broadleaves	375	8	8	2	2	-	Semi Mature	4.5	20+	B2	Section 4	At risk of removal but aiming to retain
G490	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T491	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G492	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T493	Poplar	750	15	15	2.5	-	-	Early Mature	9	20+	B1	Section 4	Retained with Protection Measures
T494	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G495	Mixed Broadleaves	350	15	8	2	11	-	Early Mature	4.2	20+	B2	Section 4	Partial removal

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G496	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
G497	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T498	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G499	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
G500	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G501	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
T502	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T503	Native Oak	950	13	15	3	-	-	Mature	11.4	40+	A1	Section 4	Retained with Protection Measures
T504	Ash	950	14	12	2.5	-	5m exposed stem cavity from south of base, 50% stem loss. Original crown lost. Secondary crown established. Inonotus hispidus in crown at 4m south. Veteran characteristics.	Veteran	15.0	40+	A3	Section 4	Retained with Protection Measures
T505	Purple Cherry Plum	350	7	7	<0.5	-	-	Mature	4.2	20+	B1	Section 4	Retained with Protection Measures
G506	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T507	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T508	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T509	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T510	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T511	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T512	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G513	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Partial removal
T514	Native Oak	480	10	11	2.5	-	-	Semi Mature	5.8	20+	B1	Section 4	Retained with Protection Measures
T515	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T516	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T517	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T518	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T519	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T520	Native Oak	950	10	12	2.5	-	Crown retrenchment. Early stage veteran.	Over Mature	11.4	40+	A1	Section 4	At risk of removal but aiming to retain
T521	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T522	Native Oak	480	10	9	3	-	-	Semi Mature	5.8	20+	B1	Section 4	At risk of removal but aiming to retain
T523	Native Oak	780	8.5	9	3	-	Basal decay with cavity to buttress region, senescent Ganoderma spp. to west base. Crown retrenchment and production of secondary crown. Veteran characteristics.	Veteran	15.0	40+	A3	Section 4	Retained with Protection Measures
G524	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T525	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T526	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T527	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Removed
T528	Native Oak	950	14	18	2.5	-	-	Mature	11.4	40+	A1	Section 4	At risk of removal but aiming to retain
T529	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T530	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T531	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G532	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T533	Ash	700	9	9	3	-	Western extent of stem lost, probable lightning strike. Twin stems from 1.4m.	Mature	8.4	20+	B1	Section 4	Removed
T534	Native Oak	490	8	8	2.5	-	-	Early Mature	5.9	20+	B1	Section 4	Removed
T535	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Removed
T536	Ash	950	15	13	3	-	Storm damage and Inonotus hispidus colonisation	Over Mature	11.4	20+	B1	Section 4	At risk of removal but aiming to retain
G537	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
G538	Native Oak	850	16	12	2.5	3	-	Mature	10.2	40+	A2	Section 4	Retained with Protection Measures
T539	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T540	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T541	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T542	Native Oak	750	13	12	3.5	-	-	Mature	9	20+	B1	Section 4	Retained with Protection Measures
T543	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T544	Native Oak	950	8	7	3	-	Ongoing stem decay, exposed wound, significant stem cavity with ongoing cubicle decay from 2.5m. Early signs retrenchment. stunted growth. Veteran characteristics.	Veteran	15.0	40+	A3	Section 4	Retained with Protection Measures
T545	Hawthorn	450	6	7	2	-	4 stems from base. Diameter estimated.	Mature	5.4	20+	B1	Section 4	At risk of removal but aiming to retain
T546	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T547	Poplar	900	24	16	3.5	-	-	Mature	10.8	20+	B1	Section 4	At risk of removal but aiming to retain
G549	Mixed Conifer	350	12	6	2	40	-	Early Mature	4.2	20+	B2	Section 4	At risk of removal but aiming to retain
G550	Mixed Broadleaves	275	12	7	2	40	-	Early Mature	3.3	20+	B2	Section 4	At risk of removal but aiming to retain
T548	Poplar	800	23	14	3.5	-	-	Mature	9.6	20+	B1	Section 4	At risk of removal but aiming to retain
G551	Poplar	875	24	15	3.5	4	-	Mature	10.5	20+	B2	Section 4	At risk of removal but aiming to retain
G552	Willow	700	17	13	<0.5	25	Willows have large cavities, stem failures, snapped out scaffold branches, signs of decline.	Mature	8.4	20+	B2	Section 4	At risk of removal but aiming to retain
G553	Mixed Broadleaves	425	17	7	<0.5	12	Willows have large cavities, stem failures, snapped out scaffold branches, signs of decline. Veteran characteristics.	Veteran	15.0	40+	A3	Section 4	Retained with Protection Measures
T554	Sycamore	350	8.5	6	2.5	-	-	Early Mature	4.2	20+	B1	Section 4	Retained with Protection Measures
T555	Ash	900	18	16	3	-	Coppice origin. 4 stems from base.	Mature	10.8	40+	A1	Section 4	Retained with Protection Measures
T556	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
G557	Mixed Broadleaves	525	15	10	3	5	-	Early Mature	6.3	20+	B2	Section 4	Retained with Protection Measures
T558	Ash	750	16	15	3.5	-	3 stems, 300, 450, 500mm from base	Early Mature	9	20+	B1	Section 4	Retained with Protection Measures
T559	Native Oak	900	13	13	3	-	-	Over Mature	10.8	40+	A1	Section 4	Retained with Protection Measures
T560	Poplar	1400	24	23	3.5	-	-	Mature	16.8	40+	A1	Section 4	Retained with Protection Measures
G561	Sycamore	400	15	9	3	4	-	Early Mature	4.8	20+	B2	Section 4	Retained with Protection Measures
T562	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T563	Poplar	1050	20	18	3.5	-	-	Mature	12.6	20+	B1	Section 4	Retained with Protection Measures
G564	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T565	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T566	Native Oak	800	13	15	3	-	-	Mature	9.6	40+	A1	Section 4	Retained with Protection Measures
G567	Mixed Broadleaves	350	14	8	<0.5	100	-	Early Mature	4.2	20+	B2	Section 4	Retained with Protection Measures
T568	Ash	1050	15	11	3	-	Hollow stem. Multiple cavities. Inonotus hispidus in crown. Original crown lost, secondary crown establishing. Veteran characteristics.	Veteran	15.8	40+	A3	Section 4	Retained with Protection Measures
T569	Sycamore	900	15	11	3	-	-	Over Mature	10.8	20+	B1	Section 4	At risk of removal but aiming to retain
T570	Sycamore	900	16	12	2	-	-	Over Mature	10.8	20+	B1	Section 4	At risk of removal but aiming to retain
T571	Poplar	1100	23	17	>4.0	-	-	Mature	13.2	40+	A1	Section 4	At risk of removal but aiming to retain
T572	Sycamore	950	18	12	>4.0	-	-	Over Mature	11.4	20+	B1	Section 4	At risk of removal but aiming to retain
G573	Mixed Broadleaves	770	18	13	2	5	East to west, 2 x Sycamore, 1 x Ash, 1 x Oak and 1 x early mature Sycamore at west end. 4 x mature trees remnants of historic hedgerow. Extensive basal cavities. Fungal fruiting bodies. Hollow stems, crown decline and crown retrenchment. Veteran characteristics.	Veteran	15.0	40+	A3	Section 4	Retained with Protection Measures
G574	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G575	Mixed Broadleaves	550	22	8	<0.5	80	Stem set back from road, crowns roughly in line with road edge	Early Mature	6.6	20+	B2	Section 4	Retained with Protection Measures
G576	Hawthorn	200	8	5	<0.5	9	Lapsed hawthorn hedgerow. Viewed from public footpath.	Mature	2.4	20+	B2	Section 4	At risk of removal but aiming to retain
T577	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G578	Hawthorn	300	8	5	<0.5	20	Lapsed hawthorn hedgerow. Viewed from public footpath. Multistemmed. Diameter estimated.	Mature	3.6	20+	B2	Section 4	At risk of removal but aiming to retain
T579	Norway Maple	550	14	10	2	-	-	Early Mature	6.6	20+	B1	Section 4	Retained with Protection Measures
T580	Common Alder	750	12	12	1.5	-	-	Over Mature	9	20+	B1	Section 4	Retained with Protection Measures
G581	Mixed Broadleaves	425	13	9	<0.5	4	Wild Cherry, Birch, Laburnum, and Norway Maple	Early Mature	5.1	20+	B2	Section 4	Retained with Protection Measures
G582	Poplar	600	23	14	>4.0	192	South end of group, previously reduced with re-established crowns	Mature	7.2	20+	B2	Section 4	At risk of removal but aiming to retain
T583	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T584	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 4	Retained with Protection Measures
T585	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 4	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T586	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T587	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T588	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T589	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T590	Common Alder	800	16	12	2	-	-	Mature	9.6	20+	B1	Section 4	At risk of removal but aiming to retain
T591	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 4	At risk of removal but aiming to retain
G592	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	Retained with Protection Measures
T593	Common Alder	800	16	12	1.5	-	-	Mature	9.6	20+	B1	Section 4	At risk of removal but aiming to retain
T594	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	At risk of removal but aiming to retain
T595	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T596	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G597	Leyland Cypress	400	15	2	<0.5	19	-	Semi Mature	4.8	20+	B2	Section 4	Retained with Protection Measures
G598	Mixed Broadleaves	175	15	2	<0.5	19	-	Semi Mature	2.1	20+	B2	Section 4	Retained with Protection Measures
G599	Leyland Cypress	425	18	9	<0.5	55	-	Mature	5.1	20+	B2	Section 4	At risk of removal but aiming to retain
G600	Lombardy Poplar	375	24	7	<0.5	75	-	Early Mature	4.5	20+	B2	Section 4	At risk of removal but aiming to retain
T601	Lime	350	7.5	7.5	3	-	-	Semi Mature	4.2	20+	B1	Section 3	Retained with Protection Measures
T602	Sycamore	750	13	13	3.5	-	2 stems from 1m	Early Mature	9	20+	B1	Section 3	Retained with Protection Measures
G603	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G604	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
G605	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures
G606	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G607	Sycamore	200	10	6	0.5	12	-	Semi Mature	2.4	20+	B2	Section 3	Retained with Protection Measures
G608	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
G609	Poplar	500	20	9	2	9	-	Early Mature	6	20+	B2	Section 3	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T610	Weeping Willow	900	18	18	2	-	Storm damaged crown	Mature	10.8	20+	B1	Section 4	Retained with Protection Measures
T611	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T612	Ash	370	11	9	2.5	-	-	Early Mature	4.4	20+	B1	Section 3	Retained with Protection Measures
T613	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 3	Retained with Protection Measures
T614	Willow	750	14	9	3	-	-	Early Mature	9	20+	B1	Section 3	At risk of removal but aiming to retain
G615	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 4	At risk of removal but aiming to retain
T616	Willow	470	12	8	3	-	-	Early Mature	5.6	20+	B1	Section 3	At risk of removal but aiming to retain
G617	Willow	325	13	5	<0.5	5	-	Early Mature	3.9	20+	B2	Section 3	At risk of removal but aiming to retain
G618	Mixed Broadleaves	600	17	12	<0.5	20	-	Mature	7.2	40+	A2	Section 4	Retained with Protection Measures
T619	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T620	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T621	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
T622	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
G623	Willow	1025	20	15	<0.5	4	Veteran characteristics throughout group	Veteran	15.4	40+	A3	Section 3	Retained with Protection Measures
T624	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 4	Retained with Protection Measures
G625	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures
T626	Native Oak	320	8	8	1.5	-	-	Early Mature	3.8	20+	B1	Section 3	Retained with Protection Measures
T627	Sycamore	850	13	14	3.5	-	-	Mature	10.2	20+	B1	Section 4	Retained with Protection Measures
T628	Willow	1250	19	23	3	-	Historic stem failure, stabilised. Veteran characteristics.	Veteran	18.8	40+	A3	Section 3	Retained with Protection Measures
T629	Native Oak	300	6	7	0.5	-	-	Early Mature	3.6	20+	B1	Section 3	Retained with Protection Measures
G630	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures
T631	Willow	1400	22	19	<0.5	-	Historic pollard. Veteran characteristics.	Veteran	21.0	40+	A3	Section 3	Retained with Protection Measures
G632	Willow	625	15	11	<0.5	5	Multiple crown fractures	Mature	7.5	20+	B2	Section 3	Retained with Protection Measures
G633	Willow	800	20	15	<0.5	6	-	Mature	9.6	40+	A2	Section 3	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T634	Birch	500	13	12	4	-	-	Mature	6	20+	B1	Section 4	Retained with Protection Measures
T635	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T636	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T637	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T638	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
G639	Hawthorn	125	6	5	<0.5	200	Dense Hawthorn	Mature	1.5	20+	B2	Section 3	Partial removal
T640	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T641	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
G642	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T643	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T644	Native Oak	380	6	6	3	-	-	Early Mature	4.6	20+	B1	Section 3	Retained with Protection Measures
G645	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Removed
T646	Native Oak	800	15	14	1.5	-	-	Mature	9.6	40+	A1	Section 3	Retained with Protection Measures
G647	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
G648	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T649	Native Oak	350	10	9	3	-	-	Early Mature	4.2	20+	B1	Section 3	At risk of removal but aiming to retain
T650	Native Oak	320	9	7	3	-	-	Early Mature	3.8	20+	B1	Section 3	At risk of removal but aiming to retain
G651	Mixed Broadleaves	700	14	12	3	4	-	Mature	8.4	20+	B2	Section 3	At risk of removal but aiming to retain
G652	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
G653	Mixed Broadleaves	275	13	8	<0.5	35	-	Early Mature	3.3	20+	B2	Section 3	At risk of removal but aiming to retain
G654	Poplar	675	24	14	<0.5	18	-	Mature	8.1	20+	B2	Section 3	Retained with Protection Measures
T655	Native Oak	850	14	16	2.5	-	-	Mature	10.2	20+	B1	Section 3	Retained with Protection Measures
G657	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T656	Native Oak	350	11	8	3	-	-	Semi Mature	4.2	20+	B1	Section 3	At risk of removal but aiming to retain
T658	Native Oak	900	13	15	3	-	-	Mature	10.8	20+	B1	Section 3	Removed
T659	Ash	700	14	14	3	-	-	Mature	8.4	20+	B1	Section 3	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T660	Native Oak	1050	14	16	3.5	-	-	Mature	12.6	40+	A1	Section 3	Retained with Protection Measures
G661	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
G662	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
G663	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T664	Native Oak	1100	14	16	2	-	-	Mature	13.2	40+	A1	Section 3	At risk of removal but aiming to retain
T665	Ash	650	12	12	2.5	-	-	Mature	7.8	20+	B1	Section 3	At risk of removal but aiming to retain
T666	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T667	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
G668	Native Oak	725	16	14	1.5	5	-	Mature	8.7	20+	B2	Section 3	At risk of removal but aiming to retain
T669	Native Oak	750	14	14	3	-	-	Mature	9.0	20+	B1	Section 3	At risk of removal but aiming to retain
T670	Native Oak	650	13	14	2	-	-	Mature	7.8	20+	B1	Section 3	At risk of removal but aiming to retain
T671	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 3	Retained with Protection Measures
T672	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T673	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 3	Retained with Protection Measures
T674	Native Oak	500	8	9	1.5	-	-	Early Mature	6.0	20+	B1	Section 3	At risk of removal but aiming to retain
T675	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
G676	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T677	Native Oak	1000	14	17	2.5	-	-	Mature	12.0	40+	A1	Section 3	At risk of removal but aiming to retain
G678	Mixed Broadleaves	425	15	10	<0.5	9	Multi-stemmed Ash and Oak	Early Mature	5.1	20+	B2	Section 3	Partial removal
T679	Native Oak	880	13	15	2.5	-	-	Mature	10.6	20+	B1	Section 3	At risk of removal but aiming to retain
T680	Native Oak	850	15	13	2	-	-	Mature	10.2	20+	B1	Section 3	Retained with Protection Measures
T681	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
T682	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
G683	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
T684	Native Oak	270	9	7	3	-	-	Early Mature	3.2	20+	B1	Section 3	At risk of removal but aiming to retain
T685	Ash	650	14	10	1.5	-	-	Mature	7.8	20+	B1	Section 3	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T686	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
T687	Native Oak	380	8	8	2	-	-	Early Mature	4.6	20+	B1	Section 3	At risk of removal but aiming to retain
T688	Native Oak	850	14	13	3.5	-	-	Mature	10.2	20+	B1	Section 3	Retained with Protection Measures
G689	Mixed Broadleaves	250	18	6	<0.5	22	-	Early Mature	3.0	20+	B2	Section 3	At risk of removal but aiming to retain
G690	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T691	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T692	Native Oak	500	9	8	2	-	Multistemmed	Early Mature	6.0	20+	B1	Section 3	Retained with Protection Measures
T693	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T694	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T695	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T696	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
G697	Common Alder	150	6	4	<0.5	7	-	Early Mature	1.8	20+	B2	Section 3	At risk of removal but aiming to retain
G698	Native Oak	650	14	12	3	7	-	Mature	7.8	20+	B2	Section 3	At risk of removal but aiming to retain
T699	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
G700	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
G701	Native Oak	825	16	12	1.5	5	-	Mature	9.9	20+	B2	Section 3	At risk of removal but aiming to retain
T702	Native Oak	800	14	15	3	-	-	Mature	9.6	20+	B1	Section 3	At risk of removal but aiming to retain
T703	Native Oak	850	12	12	2	-	-	Mature	10.2	20+	B1	Section 3	At risk of removal but aiming to retain
G704	Mixed Broadleaves	625	20	14	<0.5	100	Multi species woodland belt running along either side of sunken brook.	Mature	7.5	40+	A2	Section 3	Partial removal
T705	Native Oak	800	10	10	3	-	-	Mature	9.6	20+	B1	Section 3	Retained with Protection Measures
T706	Native Oak	700	10	11	3	-	-	Mature	8.4	20+	B1	Section 3	Retained with Protection Measures
G707	Native Oak	675	13	11	<0.5	8	Closely spaced group around sunken pond.	Mature	8.1	40+	A2	Section 3	At risk of removal but aiming to retain
T709	Native Oak	600	10	9	3	-	-	Mature	7.2	20+	B1	Section 3	At risk of removal but aiming to retain
G708	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
T710	Native Oak	600	11	9	3	-	-	Mature	7.2	20+	B1	Section 3	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T711	Native Oak	700	14	12	3.5	-	-	Mature	8.4	20+	B1	Section 3	Retained with Protection Measures
G712	Mixed Broadleaves	425	13	9	<0.5	45	Multi species wooded copse around sunken pond	Mature	5.1	40+	A2	Section 3	At risk of removal but aiming to retain
T713	Native Oak	600	12	12	3	-	-	Mature	7.2	20+	B1	Section 3	At risk of removal but aiming to retain
G714	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures
T715	Native Oak	700	12	11	3	-	-	Mature	8.4	20+	B1	Section 3	At risk of removal but aiming to retain
T716	Native Oak	500	8	9	2.5	-	-	Early Mature	6.0	20+	B1	Section 3	Removed
T717	Native Oak	800	16	16	3	-	-	Mature	9.6	40+	A1	Section 3	At risk of removal but aiming to retain
T718	Native Oak	700	12	11	2	-	-	Mature	8.4	20+	B1	Section 3	At risk of removal but aiming to retain
T719	Native Oak	850	10	12	3	-	45 degree stem kink west from base	Mature	10.2	20+	B1	Section 3	Removed
T720	Native Oak	600	9	10	3	-	-	Early Mature	7.2	20+	B1	Section 3	Removed
T721	Native Oak	350	8	8	3	-	-	Semi Mature	4.2	20+	B1	Section 3	Retained with Protection Measures
G730	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
T722	Native Oak	900	15	15	3	-	-	Mature	10.8	20+	B1	Section 3	At risk of removal but aiming to retain
G723	Mixed Broadleaves	500	17	9	<0.5	20	-	Mature	6.0	20+	B2	Section 3	At risk of removal but aiming to retain
G724	Scots Pine	425	20	8	>4.0	4	-	Mature	5.1	20+	B2	Section 3	At risk of removal but aiming to retain
T725	Native Oak	850	13	15	3	-	-	Mature	10.2	40+	A1	Section 3	At risk of removal but aiming to retain
T726	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T727	Native Oak	900	10	13	2.5	-	-	Mature	10.8	20+	B1	Section 3	Retained with Protection Measures
G743	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T728	Native Oak	800	13	13	3	-	-	Mature	9.6	20+	B1	Section 3	Retained with Protection Measures
T729	Native Oak	800	9	12	3	-	-	Mature	9.6	20+	B1	Section 3	Retained with Protection Measures
T731	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T732	Native Oak	850	10	11	3	-	-	Mature	10.2	20+	B1	Section 3	Retained with Protection Measures
T733	Native Oak	650	13	11	3	-	-	Mature	7.8	20+	B1	Section 3	At risk of removal but aiming to retain
T734	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T735	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T736	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T737	Native Oak	850	14	16	2	-	Historic stem cavity from 3m north. Storm damaged crown.	Mature	10.2	20+	B1	Section 3	Retained with Protection Measures
T738	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T739	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T740	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T741	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
G742	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures
T744	Native Oak	850	12	12	3	-	Significant storm damage	Mature	10.2	20+	B1	Section 3	Retained with Protection Measures
T745	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
T746	Ash	330	10	6	3.5	-	-	Semi Mature	4.0	20+	B1	Section 3	At risk of removal but aiming to retain
T747	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
T748	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Removed
T749	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T750	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T751	Native Oak	900	18	15	3	-	Majority of northern crown over road, lost to previous storm damage	Mature	10.8	20+	B1	Section 3	Retained with Protection Measures
T752	Native Oak	400	10	12	3	-	-	Early Mature	4.8	20+	B1	Section 3	Retained with Protection Measures
T753	Native Oak	450	9	9	3	-	-	Early Mature	5.4	20+	B1	Section 3	Retained with Protection Measures
T754	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T755	Ash	400	9	9	2.5	-	2 x stems from base	Early Mature	4.8	20+	B1	Section 3	At risk of removal but aiming to retain
T756	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T757	Native Oak	800	11	14	3.5	-	-	Mature	9.6	20+	B1	Section 3	Retained with Protection Measures
G758	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
T759	Native Oak	800	13	14	3	-	-	Mature	9.6	40+	A1	Section 3	Retained with Protection Measures
T760	Native Oak	1100	19	18	3	-	Recent storm damage	Mature	13.2	40+	A1	Section 3	Retained with Protection Measures
T761	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
G762	Leyland Cypress	525	19	9	1.5	7	-	Mature	6.3	20+	B2	Section 3	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G763	Mixed Broadleaves	625	19	11	1.5	7	-	Mature	7.5	20+	B2	Section 3	At risk of removal but aiming to retain
G764	Native Oak	550	13	13	0.5	8	Group is the southern extent of much longer historic Oak and mixed Hawthorn hedgerow.	Mature	6.6	40+	A2	Section 3	At risk of removal but aiming to retain
T765	Native Oak	900	12	15	2.5	-	Stem lean south into field. Crown removed north due to electrical cable pruning.	Mature	10.8	20+	B1	Section 3	At risk of removal but aiming to retain
T766	Native Oak	850	17	16	0.5	-	-	Mature	10.2	40+	A1	Section 3	Retained with Protection Measures
G767	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T768	Native Oak	900	12	10	2.5	-	-	Over Mature	10.8	40+	A1	Section 3	At risk of removal but aiming to retain
T769	Ash	350	10	9	3.5	-	-	Early Mature	4.2	20+	B1	Section 3	Retained with Protection Measures
T770	Native Oak	700	12	14	3	-	-	Mature	8.4	20+	B1	Section 3	At risk of removal but aiming to retain
T771	Native Oak	990	18	17	3.5	-	-	Mature	11.9	40+	A1	Section 3	At risk of removal but aiming to retain
T772	Native Oak	800	15	13	3	-	-	Mature	9.6	20+	B1	Section 3	At risk of removal but aiming to retain
T773	Native Oak	750	16	14	3	-	-	Mature	9.0	20+	B1	Section 3	Retained with Protection Measures
G774	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T775	Native Oak	700	10	13	3	-	-	Mature	8.4	40+	A1	Section 3	Removed
T776	Native Oak	650	11	16	2.5	-	-	Mature	7.8	40+	A1	Section 3	At risk of removal but aiming to retain
T777	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T778	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T779	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T780	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T781	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T782	Native Oak	540	12	14	2	-	-	Early Mature	6.5	40+	A1	Section 3	At risk of removal but aiming to retain
T783	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T784	Native Oak	790	18	19	2.5	-	-	Mature	9.5	40+	A1	Section 3	At risk of removal but aiming to retain
T785	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T786	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T787	Common Alder	750	14	14	1.5	-	5 x stems from 0.5m. Diameter estimated. Veteran characteristics.	Veteran	15.0	40+	A3	Section 3	Retained with Protection Measures
G788	Common Alder	250	11	6	1	10	-	Early Mature	3.0	20+	B2	Section 3	At risk of removal but aiming to retain
T789	Horse Chestnut	460	9	7	1	-	-	Early Mature	5.5	20+	B1	Section 3	At risk of removal but aiming to retain
T790	Native Oak	880	19	16	2.5	-	Extensive basal hollowing.	Mature	10.6	20+	B1	Section 3	At risk of removal but aiming to retain
G791	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
T792	Plum	500	9	6	2	-	-	Over Mature	6.0	20+	B1	Section 3	Retained with Protection Measures
T793	Beech	460	12	10	3	-	-	Early Mature	5.5	20+	B1	Section 3	At risk of removal but aiming to retain
T794	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T795	Native Oak	950	12	16	3	-	-	Mature	11.4	20+	B1	Section 3	At risk of removal but aiming to retain
T796	Beech	600	15	14	3	-	-	Early Mature	7.2	40+	A1	Section 3	Retained with Protection Measures
G797	Mixed Broadleaves	300	13	6	<0.5	35	-	Semi Mature	3.6	20+	B2	Section 3	At risk of removal but aiming to retain
T798	Beech	550	15	14	3	-	-	Early Mature	6.6	40+	A1	Section 3	Retained with Protection Measures
T799	Ash	1000	20	16	3	-	Locally notable tree with some veteran characteristics. Socket cavities, Inonotus hispidus in crown.	Over Mature	12.0	40+	A1	Section 3	At risk of removal but aiming to retain
T800	Native Oak	1050	7	9	2.5	-	-	Over Mature	12.6	40+	A1	Section 3	At risk of removal but aiming to retain
T801	Remotely surveyed	-	-	-	-	-	Complete stem shear at 4m, 3 tertiary branches remain	-	-	<10	U	Section 3	At risk of removal but aiming to retain
T802	Native Oak	900	15	15	2.5	-	-	Mature	10.8	40+	A1	Section 3	At risk of removal but aiming to retain
T803	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	Retained with Protection Measures
T804	Native Oak	1000	16	20	3	-	-	Mature	12.0	40+	A1	Section 3	At risk of removal but aiming to retain
T805	Remotely surveyed	-	-	-	-	-	Significant basal decay to south base with senescent Ganoderma spp brackets present. Worn surface roots to south base have stress fractures. Approx 1m dry ditch to north base.	-	-	<10	U	Section 3	Retained with Protection Measures
T806	Native Oak	800	12	14	3	-	-	Mature	9.6	20+	B1	Section 3	Retained with Protection Measures
T807	Native Oak	1000	19	20	4	-	-	Mature	12.0	40+	A1	Section 3	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G808	Mixed Broadleaves	250	14	7	<0.5	25	-	Early Mature	3.0	20+	B2	Section 3	Retained with Protection Measures
G809	Mixed Broadleaves	225	14	6	<0.5	15	-	Semi Mature	2.7	20+	B2	Section 3	Retained with Protection Measures
T810	Hawthorn	400	6	5	2	-	-	Mature	4.8	20+	B1	Section 3	Retained with Protection Measures
T811	Native Oak	900	11	11	2.5	-	Historic basal decay with stem hollowing. Bifurcated at 1.5m. East stem reduced to 3m hollow leader. Exposed wound runs up east side of west stem. Veteran characteristics.	Veteran	15.0	40+	A3	Section 3	Retained with Protection Measures
T812	Native Oak	750	11	13	2	-	-	Mature	9.0	40+	A1	Section 3	Retained with Protection Measures
T813	Native Oak	750	8	10	3	-	-	Mature	9.0	20+	B1	Section 3	At risk of removal but aiming to retain
T814	Native Oak	850	15	16	3	-	-	Mature	10.2	40+	A1	Section 3	At risk of removal but aiming to retain
T815	Native Oak	700	12	10	2	-	Minor epicormics in crown cavity on basal minor deadwood	Mature	8.4	20+	B1	Section 3	Retained with Protection Measures
G819	Native Oak	-	-	-	-	-	Mature Oak minor epicormics in crown cavity on basal minor deadwood	-	-	10+	C2	Section 3	Retained with Protection Measures
G816	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures
T817	Native Oak	1150	13	16	1	-	-	Over Mature	13.8	40+	A1	Section 3	Retained with Protection Measures
T818	Native Oak	1200	15	16	3.5	-	Moderate ivy throughout crown, minor branch fracture wounds throughout crown	Over Mature	14.4	40+	A1	Section 3	Retained with Protection Measures
T820	Native Oak	500	10	9	2.5	-	Crown bias to South group pressure	Semi Mature	6.0	20+	B1	Section 3	Retained with Protection Measures
T821	Native Oak	1180	12	12	3	-	Large partially fractured limb rest on ground, multiple open cavities and branch fracture wounds throughout crown, significant deadwood.	Veteran	17.7	20+	A3	Section 3	Retained with Protection Measures
T822	Native Oak	550	12	10	2.5	-	-	Semi Mature	6.6	40+	A1	Section 3	At risk of removal but aiming to retain
T823	Native Oak	520	10	10	1.5	-	-	Semi Mature	6.2	40+	A1	Section 3	At risk of removal but aiming to retain
G829	Native Oak	-	-	-	-	-	Semi-mature Oak, no significant defects	-	-	10+	C2	Section 3	Partial removal
T824	Native Oak	880	10	9	1	-	Ddense ivy from base and throughout crown, minor basal decay	Mature	10.6	20+	B1	Section 3	At risk of removal but aiming to retain
T825	Native Oak	510	11	9	2	-	Crown bias to North, group pressure	Semi Mature	6.1	20+	B1	Section 3	Removed
T826	Native Oak	670	12	9	2	-	Crown slightly bias to North group pressure	Mature	8.0	20+	B1	Section 3	Removed
T827	Native Oak	650	11	5	4	-	Completely dead, multiple cavities, cracks and branch fracture wounds throughout crown, and fungal fruiting bodies on basal, Ganoderma spp.	Veteran	15.0	20+	A3	Section 3	Retained with Protection Measures
G828	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T830	Native Oak	840	12	12	2	-	-	Mature	10.1	40+	A1	Section 3	At risk of removal but aiming to retain
T831	Poplar	1500	10	6	3.5	-	7m tall hollow stem with a small amount growth from top of stem, main stem has recently failed at 7m, dense undergrowth obstructed access to lower main stem and basal.	Veteran	22.5	20+	A3	Section 3	Retained with Protection Measures
T832	Native Oak	1100	13	9	4	-	Tree is completely dead, multiple branch fracture wounds throughout crown, dense undergrowth obstructed access to lower main stem and basal.	Veteran	16.5	20+	A3	Section 3	Retained with Protection Measures
T833	Native Oak	480	12	11	2	-	Growing in hedgerow	Mature	5.8	40+	A1	Section 3	At risk of removal but aiming to retain
G834	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
G835	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
G836	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
T837	Native Oak	1030	6	15	2	-	Open cavity on East side of basal, good buttressing, minor basal decay North side of basal	Mature	12.4	20+	B1	Section 3	At risk of removal but aiming to retain
T838	Native Oak	820	15	14	1.5	-	Large partially occluded cavity East side of main stem 1m from ground level, 100cm x 15cm	Mature	9.8	20+	B1	Section 3	At risk of removal but aiming to retain
T839	Native Oak	810	16	11	2	-	Crown bias to South, group pressure, crown previously lifted	Mature	9.7	20+	B1	Section 3	At risk of removal but aiming to retain
T840	Native Oak	800	18	14	2	-	Crown bias to North	Mature	9.6	20+	B1	Section 3	At risk of removal but aiming to retain
T841	Native Oak	1000	14	14	2	-	Multiple branch fracture wounds and large cavities.	Veteran	15.0	20+	A3	Section 3	Retained with Protection Measures
T842	Native Oak	1100	16	19	2	-	-	Mature	13.2	40+	A1	Section 3	At risk of removal but aiming to retain
T843	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T844	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T845	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T846	Native Oak	1110	15	19	2.5	-	Some minor defects, deadwood, small cavity	Mature	13.3	40+	A1	Section 3	At risk of removal but aiming to retain
T847	Native Oak	1050	14	12	2	-	Central leader has failed	Mature	12.6	20+	B1	Section 3	At risk of removal but aiming to retain
T848	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T849	Native Oak	750	9	8	1.5	-	Multiple branch fracture wound and large cavities	Veteran	15.0	20+	A3	Section 3	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T850	Native Oak	1110	16	20	2	-	Multiple branch fracture wound and large cavities	Veteran	16.7	20+	A3	Section 3	Retained with Protection Measures
T851	Willow	700	15	18	1	-	Bifurcates at base. Eastern stem has failed into paddock.	Over Mature	8.4	20+	B1	Section 3	At risk of removal but aiming to retain
T852	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 3	At risk of removal but aiming to retain
T853	Willow	650	15	17	1	-	Bifurcates at base. Eastern stem has failed into paddock.	Over Mature	7.8	20+	B1	Section 3	At risk of removal but aiming to retain
T854	Native Oak	850	14	12	2	-	Early veteran. Deadwood, hollows, early secondary crown development.	Mature	10.2	40+	A1	Section 3	At risk of removal but aiming to retain
G855	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T856	Native Oak	750	15	13	3.5	-	-	Mature	9.0	20+	B1	Section 3	Retained with Protection Measures
T857	Willow	1200	13	23	0.5	-	Main stem has failed and re-rooted at ground contact points with large amounts of new growth from failed stem. Diameter was estimated due to condition of main stem. Excellent wildlife habitat.	Veteran	18.0	20+	A3	Section 3	Retained with Protection Measures
T858	Willow	1400	13	15	0.5	-	Main stem has failed and re-rooted at ground contact points with large amounts of new growth from failed stem. Diameter was estimated due to condition of main stem. Excellent wildlife habitat.	Veteran	21.0	20+	A3	Section 3	Retained with Protection Measures
T859	Willow	860	13	13	0.5	-	-	Mature	10.3	40+	A1	Section 3	Retained with Protection Measures
G860	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	Partial removal
G861	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 3	At risk of removal but aiming to retain
T862	Ash	350	11	8	1.5	-	Dense ivy from base and throughout crown, tree is growing out of hedgerow access to lower main stem was not possible	Semi Mature	4.2	20+	B1	Section 3	Retained with Protection Measures
T863	Sycamore	400	8	8	2	-	Dense ivy from base and throughout crown, tree is growing out of hedgerow access to lower main stem was not possible	Semi Mature	4.8	20+	B1	Section 3	Retained with Protection Measures
G864	Mixed Broadleaves	200	12	5	0.5	250	-	Semi Mature	2.4	20+	B2	Section 2	Retained with Protection Measures
T865	Sycamore	400	11	8	2	-	Multi-stemmed from base, growing out of hedgerow, access to lower main stems was not possible	Semi Mature	4.8	20+	B1	Section 3	Retained with Protection Measures
T866	Sycamore	650	10	9	3.5	-	Dense ivy from base and throughout crown	Mature	7.8	20+	B1	Section 3	Retained with Protection Measures
G867	Sycamore	-	-	-	-	-	Mature Sycamore dense ivy from base and throughout crown	-	-	10+	C2	Section 3	Retained with Protection Measures
G868	Mixed Broadleaves	625	19	12	<0.5	6	Self set Ash and Sycamore growing to top edge of old stone quarry	Mature	7.5	20+	B2	Section 2	At risk of removal but aiming to retain
G869	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T870	Native Oak	1000	17	17	3	-	-	Mature	12.0	40+	A1	Section 2	At risk of removal but aiming to retain
G871	Remotely surveyed	-	-	-	-	-	Historic basal cavity and hollow stem	-	-	10+	C2	Section 2	Partial removal
T872	Native Oak	900	15	14	3	-	3m stem wound with hollow stem from 3 to 5m	Mature	10.8	20+	B1	Section 2	At risk of removal but aiming to retain
T873	Ash	850	14	9	3	-	Historic basal cavity and hollow stem	Mature	10.2	20+	B1	Section 2	Removed
T874	Native Oak	900	12	14	3	-	Lost leader to storm damage	Mature	10.8	20+	B1	Section 2	At risk of removal but aiming to retain
T875	Native Oak	550	10	11	3	-	-	Early Mature	6.6	20+	B1	Section 2	Removed
T876	Native Oak	650	12	10	3	-	-	Early Mature	7.8	20+	B1	Section 2	Removed
T877	Ash	970	18	14	3	-	Historic hedgerow Ash. Basal stem decay and hollowing. Branch loss cavities. Inonotus hispidus in crown crown decline / retrenching.	Veteran	14.6	40+	A3	Section 2	Retained with Protection Measures
T878	Native Oak	500	10	9	3	-	-	Early Mature	6.0	20+	B1	Section 2	Removed
T879	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T880	Native Oak	900	14	14	3	-	-	Mature	10.8	40+	A1	Section 2	Removed
T881	Ash	700	13	11	3	-	-	Mature	8.4	20+	B1	Section 2	At risk of removal but aiming to retain
T882	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T883	Native Oak	900	14	14	3	-	-	Mature	10.8	40+	A1	Section 2	At risk of removal but aiming to retain
G884	Mixed Broadleaves	450	15	9	<0.5	30	-	Mature	5.4	40+	A2	Section 2	At risk of removal but aiming to retain
T885	Native Oak	900	14	14	3	-	De-barked basal region. Crown decline / retrenching.	Mature	10.8	20+	B1	Section 2	Retained with Protection Measures
T886	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T887	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T888	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T889	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	Retained with Protection Measures
T890	Native Oak	1000	18	20	2.5	-	-	Mature	12.0	40+	A1	Section 2	Retained with Protection Measures
T891	Ash	850	14	17	2	-	-	Mature	10.2	40+	A1	Section 2	At risk of removal but aiming to retain
G892	Mixed Broadleaves	550	22	12	<0.5	75	-	Mature	6.6	40+	A2	Section 2	Retained with Protection Measures
T893	Ash	750	13	14	2.5	-	-	Mature	9.0	40+	A1	Section 2	At risk of removal but aiming to retain
T894	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T895	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T896	Native Oak	1050	16	17	3	-	Crown decline	Mature	12.6	20+	B1	Section 2	Removed
T897	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T898	Ash	950	18	14	3	-	-	Mature	11.4	20+	B1	Section 2	At risk of removal but aiming to retain
T899	Native Oak	900	16	15	3	-	-	Mature	10.8	20+	B1	Section 2	Retained with Protection Measures
G900	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T901	Native Oak	950	17	16	2.5	-	-	Mature	11.4	40+	A1	Section 2	Retained with Protection Measures
T902	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T903	Ash	950	19	13	2.5	-	Veteran characteristics developing	Over Mature	11.4	40+	A1	Section 2	At risk of removal but aiming to retain
T904	Native Oak	1100	14	13	3	-	-	Mature	13.2	40+	A1	Section 2	Removed
T905	Ash	950	15	13	2.5	-	-	Over Mature	11.4	20+	B1	Section 2	At risk of removal but aiming to retain
G906	Native Oak	725	18	14	2	6	-	Mature	8.7	40+	A2	Section 2	Partial removal
G907	Ash	675	18	9	2	6	-	Mature	8.1	40+	A2	Section 2	Partial removal
G908	Mixed Broadleaves	925	18	14	3	10	-	Mature	11.1	40+	A2	Section 2	Partial removal
T909	Native Oak	650	7	7	2	-	-	Mature	7.8	20+	B1	Section 2	Retained with Protection Measures
T910	Remotely surveyed	-	-	-	-	-	Significant stem decay	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T911	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T912	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T913	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T914	Native Oak	950	16	14	3	-	-	Mature	11.4	40+	A1	Section 2	At risk of removal but aiming to retain
T915	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T916	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T917	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G918	Native Oak	925	15	12	3	5	-	Over Mature	11.1	20+	B2	Section 2	Retained with Protection Measures
T919	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G920	Native Oak	675	14	12	3.5	4	-	Mature	8.1	20+	B2	Section 2	Partial removal
G921	Ash	850	14	14	3.5	2	-	Over Mature	10.2	20+	B2	Section 2	Partial removal
G922	Native Oak	850	14	9	3.5	4	-	Mature	10.2	20+	B2	Section 2	At risk of removal but aiming to retain
G923	Native Oak	825	14	12	3.5	4	-	Mature	9.9	40+	A2	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T924	Native Oak	1470	20	19	>4.0	-	Significant ground compaction from field entrance and road. Historic basal damage. Bifurcates at 4m. Excessive crown lifting. Crown decline.	Over Mature	17.6	40+	A1	Section 2	Retained with Protection Measures
T925	Native Oak	1200	10	14	3	-	Basal cavities with animal excavations. Burred stem. Significant retrenchment. Veteran characteristics.	Veteran	18.0	40+	A3	Section 2	Retained with Protection Measures
T926	Native Oak	1100	14	20	3.5	-	-	Mature	13.2	40+	A1	Section 2	At risk of removal but aiming to retain
G927	Remotely surveyed	-	-	-	-	-	Coppice origin, historic hedgerow	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T928	Ash	800	19	19	>4.0	-	Coppice origin, historic hedgerow	Mature	9.6	20+	B1	Section 2	At risk of removal but aiming to retain
T929	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T930	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G931	Poplar	515	23	9	3.5	13	-	Early Mature	6.2	20+	B2	Section 2	Partial removal
T932	Native Oak	650	9	9	3	-	-	Early Mature	7.8	20+	B1	Section 2	At risk of removal but aiming to retain
T933	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T934	Native Oak	1050	20	20	>4.0	-	-	Mature	12.6	40+	A1	Section 2	At risk of removal but aiming to retain
T935	Native Oak	900	16	15	3	-	-	Mature	10.8	40+	A1	Section 2	Retained with Protection Measures
T936	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T937	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T938	Sycamore	400	11	9	2	-	-	Early Mature	4.8	20+	B1	Section 2	Retained with Protection Measures
T939	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Removed
T940	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T941	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T942	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T943	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T944	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	At risk of removal but aiming to retain
G945	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	At risk of removal but aiming to retain
T946	Native Oak	520	14	12	3.5	-	-	Early Mature	6.2	20+	B1	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T947	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	At risk of removal but aiming to retain
T948	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	Retained with Protection Measures
T949	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G950	Mixed Broadleaves	200	11	7	3.5	9	-	Semi Mature	2.4	20+	B2	Section 2	At risk of removal but aiming to retain
T951	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	At risk of removal but aiming to retain
T952	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	At risk of removal but aiming to retain
T953	Sycamore	400	11	9	3.5	-	-	Semi Mature	4.8	20+	B1	Section 2	Retained with Protection Measures
G954	Native Oak	600	17	13	3	12	-	Mature	7.2	40+	A2	Section 2	Partial removal
T955	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 2	Retained with Protection Measures
G957	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Retained with Protection Measures
G956	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Retained with Protection Measures
T958	Remotely surveyed	-	-	-	-	-	Collapsed stems with multiple regrowth	-	-	10+	C1	Section 2	Retained with Protection Measures
T959	Native Oak	400	8	8.5	3.5	-	-	Semi Mature	4.8	20+	B1	Section 2	At risk of removal but aiming to retain
T960	Native Oak	280	8	7	3.5	-	Swept stem	Semi Mature	3.4	20+	B1	Section 2	At risk of removal but aiming to retain
T961	Native Oak	320	9	8	3.5	-	-	Semi Mature	3.8	20+	B1	Section 2	At risk of removal but aiming to retain
T962	Native Oak	250	8	7	3	-	2 stems from base	Semi Mature	3.0	20+	B1	Section 2	Retained with Protection Measures
T963	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G964	Native Oak	650	15	12	3	6	-	Mature	7.8	40+	A2	Section 2	Retained with Protection Measures
G965	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G966	Native Oak	625	16	12	3	6	Moderately dense ivy	Mature	7.5	40+	A2	Section 2	Retained with Protection Measures
T967	Native Oak	500	7	9	2.5	-	-	Early Mature	6.0	20+	B1	Section 2	Retained with Protection Measures
T968	Native Oak	550	9	9	3	-	-	Early Mature	6.6	20+	B1	Section 2	Retained with Protection Measures
T969	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T970	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T971	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T972	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T973	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T974	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T975	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G976	Native Oak	775	17	14	3	4	-	Mature	9.3	40+	A2	Section 2	Retained with Protection Measures
T977	Native Oak	1000	14	12	3.5	-	-	Mature	12.0	40+	A1	Section 2	Retained with Protection Measures
G978	Mixed Broadleaves	475	18	10	<0.5	100	-	Mature	5.7	40+	A2	Section 2	At risk of removal but aiming to retain
G979	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
T980	Ash	1390	16	17	1.5	-	Ganoderma spp. brackets to west base. Extensive basal cankers, hollow stem. Original crown lost, secondary crown grown and declining. Basal suckers have Ash Dieback. Veteran characteristics.	Veteran	20.9	40+	A3	Section 2	Retained with Protection Measures
G981	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
T982	Remotely surveyed	-	-	-	-	-	Snapped out leader with reforming crown	-	-	10+	C1	Section 2	Removed
T983	Ash	850	20	14	3	-	Significant stem / crown epicormic	Mature	10.2	20+	B1	Section 2	Retained with Protection Measures
T984	Native Oak	1000	17	17	3	-	Mid / upper storm damage. Secondary diagonal leader shear, currently stable.	Mature	12.0	20+	B1	Section 2	Retained with Protection Measures
T985	Ash	800	19	14	3.5	-	Secondary leader loss. Crown decline.	Mature	9.6	20+	B1	Section 2	Retained with Protection Measures
T986	Ash	950	19	13	2	-	-	Over Mature	11.4	40+	A1	Section 2	Retained with Protection Measures
G987	Mixed Broadleaves	600	19	12	<0.5	30	Sycamore and Ash with Hawthorn.	Mature	7.2	20+	B2	Section 2	At risk of removal but aiming to retain
T988	Sycamore	800	18	14	2.5	-	-	Mature	9.6	20+	B1	Section 2	Removed
T989	Sycamore	480	15	10	2.5	-	-	Early Mature	5.8	20+	B1	Section 2	Removed
T990	Sycamore	550	12	10	3	-	-	Early Mature	6.6	20+	B1	Section 2	Removed
T991	Remotely surveyed	-	-	-	-	-	Progressive decline	-	-	10+	C1	Section 2	Removed
T992	Sycamore	600	15	12	2.5	-	-	Early Mature	7.2	20+	B1	Section 2	Removed
G993	Native Oak	850	18	13	3	3	-	Mature	10.2	40+	A2	Section 2	At risk of removal but aiming to retain
G994	Sycamore	650	18	12	3	3	-	Mature	7.8	40+	A2	Section 2	At risk of removal but aiming to retain
G995	Mixed Broadleaves	525	22	12	<0.5	125	-	Mature	6.3	40+	A2	Section 2	Retained with Protection Measures
G996	Native Oak	800	14	12	2.5	3	Moderately dense ivy. East crowns heavily reduced radially due to power lines	Mature	9.6	20+	B2	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T997	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T998	Native Oak	920	11	9	1.5	-	2 branch fracture wounds in lower crown	Mature	11.0	20+	B1	Section 2	Retained with Protection Measures
G1001	Native Oak	-	-	-	-	-	Mature Oak 2 branch fracture wounds in lower crown	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G999	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1000	Native Oak	710	5	4	1.5	-	Bifurcates at 2m, both stems have failed leaving 2 large stem fracture wounds, hollow stem with 2 open cavities	Veteran	15.0	20+	A3	Section 2	Retained with Protection Measures
T1002	Ash	650	14	13	3	-	Inonotus hispidus and ivy present	Early Mature	7.8	20+	B1	Section 2	Retained with Protection Measures
G1007	Remotely surveyed	-	-	-	-	-	Lapsed twin hedgerow with track between. Previously managed as coppiced hedgerow. Inonotus fungus and ivy present.	-	-	10+	C2	Section 2	Retained with Protection Measures
T1003	Ash	270	8	7	3	-	Crown fully biased to the east	Early Mature	3.2	20+	B1	Section 2	Retained with Protection Measures
T1004	Native Oak	850	13	16	2.5	-	-	Mature	10.2	20+	B1	Section 2	Retained with Protection Measures
G1005	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1006	Ash	1000	9	8	3	-	Major leader detachment with Inonotus hispidus present at 3m north. Bifurcates at 4m. Original crown fully lost. Secondary crown early stage establishment. Veteran characteristics.	Veteran	15.0	40+	A3	Section 2	Retained with Protection Measures
T1008	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1009	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1010	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1011	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1012	Native Oak	770	17	15	3	-	-	Mature	9.2	40+	A1	Section 2	Retained with Protection Measures
T1013	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1014	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1015	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G1016	Ash	175	12	7	3	3	Coppice origin, multi-stemmed	Semi Mature	2.1	20+	B2	Section 2	Retained with Protection Measures
G1017	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
G1018	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1019	Ash	850	18	14	3.5	-	Ivy, branch fractures	Mature	10.2	20+	B1	Section 2	Retained with Protection Measures
G1020	Remotely surveyed	-	-	-	-	-	3 stems from base of 250, 280, and 300mm	-	-	10+	C2	Section 2	Retained with Protection Measures
T1021	Ash	500	13	10	3	-	3 stems from base of 250, 280, and 300mm	Early Mature	6.0	20+	B1	Section 2	Retained with Protection Measures
G1022	Mixed Broadleaves	600	14	12	<0.5	9	-	Mature	7.2	20+	B2	Section 2	At risk of removal but aiming to retain
T1023	Ash	390	9	9	3.5	-	-	Semi Mature	4.7	20+	B1	Section 2	At risk of removal but aiming to retain
T1024	Native Oak	750	14	15	3	-	-	Mature	9.0	40+	A1	Section 2	Retained with Protection Measures
T1025	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1026	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1027	Native Oak	750	16	15	3.5	-	-	Mature	9.0	40+	A1	Section 2	Retained with Protection Measures
G1029	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1028	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1030	Native Oak	950	16	18	3.5	-	-	Mature	11.4	40+	A1	Section 2	Retained with Protection Measures
T1031	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1032	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1033	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1034	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1035	Native Oak	700	14	12	3	-	-	Mature	8.4	40+	A1	Section 2	At risk of removal but aiming to retain
T1036	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1037	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1038	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1039	Native Oak	750	14	15	3	-	-	Mature	9.0	40+	A1	Section 2	At risk of removal but aiming to retain
G1046	Mixed Broadleaves	450	18	10	<0.5	45	Native Oak	Mature	5.4	20+	B2	Section 2	At risk of removal but aiming to retain
T1040	Native Oak	450	10	8	3	-	-	Early Mature	5.4	20+	B1	Section 2	At risk of removal but aiming to retain
T1041	Native Oak	600	12	11	3	-	-	Early Mature	7.2	20+	B1	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1042	Ash	1150	18	20	3	-	2 stems from 1.5m	Mature	13.8	20+	B1	Section 2	At risk of removal but aiming to retain
T1043	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1044	Willow	275	11	8	<0.5	10	Multi-stemmed	Early Mature	3.3	20+	B2	Section 2	Retained with Protection Measures
T1045	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1047	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1048	Ash	950	9	7	3	-	Semi ancient Ash fully hollow stem with large cavity openings to either side. Crown almost fully dead. Epicormic growth to stem at 1.5m and 2 - 3m.	Veteran	15.0	40+	A3	Section 2	Retained with Protection Measures
T1049	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1050	Native Oak	800	10	12	2.5	-	-	Over Mature	9.6	20+	B1	Section 2	At risk of removal but aiming to retain
T1051	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1052	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1053	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1054	Native Oak	-	-	-	-	-	Multiple stem/branch fracture wounds and cavities throughout crown	-	-	10+	C2	Section 2	Retained with Protection Measures
G1055	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Retained with Protection Measures
T1056	Native Oak	1090	13	11	1.5	-	Large open wound on lower limb on East side of crown, multiple branch fracture wounds throughout crown, significant deadwood throughout crown	Veteran	16.4	20+	A3	Section 2	Retained with Protection Measures
G1057	Native Oak	-	-	-	-	-	Large open wound on lower limb on East side of crown, multiple branch fracture wounds throughout crown, significant deadwood throughout crown	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1058	Native Oak	860	12	8	2.5	-	Multiple stem/branch fracture wounds and cavities throughout crown	Veteran	15.0	20+	A3	Section 2	Retained with Protection Measures
G1059	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
T1060	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1061	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Retained with Protection Measures
G1062	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1063	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1064	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1065	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1066	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1067	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1068	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1069	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1070	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G1071	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1072	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
G1073	Mixed Broadleaves	-	-	-	-	-	Alder, Poplar, Elder, Hawthorn and other broadleaves	-	-	10+	C2	Section 2	Partial removal
T1074	Hawthorn	650	8	7	<0.5	-	Veteran Hawthorn	Veteran	15.0	40+	A3	Section 2	Retained with Protection Measures
G1078	Mixed Broadleaves	300	16	6	<0.5	150	Veteran Hawthorn present (T1074)	Early Mature	3.6	20+	B2	Section 2	At risk of removal but aiming to retain
G1075	Mixed Broadleaves	450	16	9	<0.5	35	Lapsed Oak and Hawthorn hedgerow	Mature	5.4	20+	B2	Section 2	Partial removal
T1076	Native Oak	800	16	16	>4.0	-	-	Mature	9.6	40+	A1	Section 2	Removed
G1077	Willow	-	-	-	-	-	Lapsed and regenerated Willow. Low retention value	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1079	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1080	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1081	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G1082	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1083	Mixed Broadleaves	290	16	8	<0.5	60	-	Semi Mature	3.5	20+	B2	Section 2	At risk of removal but aiming to retain
T1084	Native Oak	410	13	11	3	-	-	Early Mature	4.9	20+	B1	Section 2	At risk of removal but aiming to retain
T1085	Native Oak	390	13	9	2.5	-	-	Early Mature	4.7	20+	B1	Section 2	Retained with Protection Measures
G1086	Mixed Broadleaves	550	18	12	0.5	75	-	Mature	6.6	20+	B2	Section 2	At risk of removal but aiming to retain
G1087	Willow	600	19	12	2	3	-	Mature	7.2	20+	B2	Section 2	At risk of removal but aiming to retain
G1088	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G1089	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
T1090	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G1091	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1092	Mixed Broadleaves	285	12	9	2	35	-	Early Mature	3.4	20+	B2	Section 2	At risk of removal but aiming to retain
G1093	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
G1094	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1095	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1096	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1097	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G1098	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1099	Common Alder	700	9	7	3	-	Previously reduced	Mature	8.4	20+	B1	Section 2	At risk of removal but aiming to retain
G1100	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
T1101	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
T1102	Native Oak	300	9	8	<0.5	-	-	Early Mature	3.6	20+	B1	Section 2	Retained with Protection Measures
G1103	Mixed Broadleaves	350	14	10	<0.5	70	Native Oak	Early Mature	4.2	20+	B2	Section 2	At risk of removal but aiming to retain
T1104	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Removed
T1105	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Removed
T1106	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Removed
T1107	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1108	Native Oak	540	10	10	>4.0	-	-	Mature	6.5	20+	B1	Section 2	Removed
G1109	Mixed Broadleaves	375	16	9	2.5	40	-	Early Mature	4.5	20+	B2	Section 2	At risk of removal but aiming to retain
G1110	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1111	Native Oak	1100	16	21	2.5	-	-	Mature	13.2	40+	A1	Section 2	At risk of removal but aiming to retain
T1112	Native Oak	300	7	8	2.5	-	-	Semi Mature	3.6	20+	B1	Section 2	Retained with Protection Measures
G1113	Mixed Broadleaves	500	18	10	<0.5	45	-	Mature	6.0	20+	B2	Section 2	At risk of removal but aiming to retain
T1114	Native Oak	490	10	12	2.5	-	-	Early Mature	5.9	20+	B1	Section 2	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1115	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1116	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1117	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1118	Native Oak	520	14	13	3	-	Weak union at 4m	Early Mature	6.2	20+	B1	Section 2	Removed
T1119	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1120	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
T1121	Native Oak	950	19	14	3.5	-	-	Mature	11.4	40+	A1	Section 2	At risk of removal but aiming to retain
T1122	Sycamore	880	20	14	3	-	-	Mature	10.6	40+	A1	Section 2	At risk of removal but aiming to retain
G1128	Mixed Broadleaves	275	16	8	<0.5	100	Screen planting, mixed broadleaves including Horse Chestnut and Sycamore	Semi Mature	3.3	20+	B2	Section 2	At risk of removal but aiming to retain
T1123	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1124	Native Oak	550	10	10	3	-	-	Mature	6.6	20+	B1	Section 2	At risk of removal but aiming to retain
G1125	Mixed Broadleaves	400	15	12	1.5	25	-	Mature	4.8	20+	B2	Section 2	At risk of removal but aiming to retain
T1126	Native Oak	800	13	11	3	-	-	Mature	9.6	20+	B1	Section 2	At risk of removal but aiming to retain
T1127	Native Oak	700	15	14	3	-	-	Mature	8.4	40+	A1	Section 2	Removed
T1129	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
G1130	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Partial removal
T1131	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1132	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1133	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
G1134	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1135	Native Oak	850	18	13	3	-	-	Mature	10.2	40+	A1	Section 2	Removed
G1136	Mixed Broadleaves	250	11	8	0.5	40	Oak and Hawthorn	Early Mature	3.0	20+	B2	Section 1	Retained with Protection Measures
T1137	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1138	Ash	950	20	14	2.5	-	Moderate ivy	Mature	11.4	40+	A1	Section 2	At risk of removal but aiming to retain
T1139	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1140	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G1141	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Partial removal
T1142	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1143	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1144	Mixed Broadleaves	275	17	7	0.5	80	-	Semi Mature	3.3	20+	B2	Section 2	Partial removal
T1145	Native Oak	800	14	14	3	-	Basal damage	Mature	9.6	20+	B1	Section 2	At risk of removal but aiming to retain
T1146	Native Oak	540	9	9	3	-	-	Early Mature	6.5	20+	B1	Section 2	At risk of removal but aiming to retain
T1147	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1148	Mixed Broadleaves	275	15	7	0.5	100	-	Semi Mature	3.3	20+	B2	Section 2	Retained with Protection Measures
T1149	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	At risk of removal but aiming to retain
T1150	Ash	680	16	9	>4.0	-	Veteran qualities Ash	Veteran	15.0	40+	A3	Section 2	Retained with Protection Measures
G1151	Remotely surveyed	-	-	-	-	-	Pond and vegetation	-	-	10+	C2	Section 2	At risk of removal but aiming to retain
T1152	Sycamore	900	18	12	>4.0	-	Dense ivy	Mature	10.8	20+	B1	Section 2	Retained with Protection Measures
T1153	Ash	560	14	5	2.5	-	Veteran qualities, twin stem	Veteran	15.0	20+	A3	Section 2	Retained with Protection Measures
G1154	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 2	Retained with Protection Measures
G1155	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
T1156	Native Oak	970	18	14	>4.0	-	Moderate ivy. Historic hedgerow oak.	Mature	11.6	40+	A1	Section 2	At risk of removal but aiming to retain
T1157	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 2	Retained with Protection Measures
G1158	Mixed Broadleaves	-	-	-	-	-	Semi mature Norway maple and Hawthorn	-	-	10+	C2	Section 1	Partial removal
G1159	Mixed Broadleaves	425	10	9	2.5	8	-	Early Mature	5.1	20+	B2	Section 1	At risk of removal but aiming to retain
T1160	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1161	Mixed Broadleaves	350	12	8	<0.5	75	Block planted, shelter belt	Semi Mature	4.2	20+	B2	Section 1	Retained with Protection Measures
T1162	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
T1163	Weeping Willow	700	9	12	1	-	-	Mature	8.4	20+	B1	Section 1	Retained with Protection Measures
T1164	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
G1165	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G1166	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
T1167	Native Oak	110	9	11	4	-	Historic western basal cavity to 3m	Mature	1.3	20+	B1	Section 1	Retained with Protection Measures
G1168	Native Oak	225	8	7	<0.5	40	Mixed broadleaf around sunken pond. Bifurcates at 2m. Diameter taken at 1m.	Semi Mature	2.7	20+	B2	Section 1	At risk of removal but aiming to retain
T1169	Native Oak	720	9	12	4	-	Bifurcates at 2m. Diameter taken at 1m.	Mature	8.6	40+	A1	Section 1	At risk of removal but aiming to retain
T1170	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	At risk of removal but aiming to retain
T1171	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	At risk of removal but aiming to retain
G1172	Remotely surveyed	-	-	-	-	-	Scrub growth around pond	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
G1173	Native Oak	735	9	8	4	5	Historic hedgerow Oaks	Mature	8.8	20+	B2	Section 1	At risk of removal but aiming to retain
T1174	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1175	Native Oak	570	8	9	4	-	Crown lifted over fields	Mature	6.8	20+	B1	Section 1	Retained with Protection Measures
T1176	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	Retained with Protection Measures
T1177	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1178	Remotely surveyed	-	-	-	-	-	Scrub	-	-	10+	C2	Section 1	Retained with Protection Measures
T1179	Native Oak	490	8	8	4	-	Crown lifted over fields	Mature	5.9	20+	B1	Section 1	Retained with Protection Measures
T1180	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1181	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1182	Native Oak	610	8	8	4	-	Crown lifted over fields	Mature	7.3	20+	B1	Section 1	Removed
T1183	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Removed
G1184	Remotely surveyed	-	-	-	-	-	Self-set	-	-	10+	C2	Section 1	Retained with Protection Measures
T1185	Native Oak	690	9	9	4	-	Crown suppressed south	Mature	8.3	20+	B1	Section 1	At risk of removal but aiming to retain
T1186	Native Oak	490	8	7	4	-	Basal root collar cavity. Crown biased to the west.	Mature	5.9	20+	B1	Section 1	Retained with Protection Measures
T1187	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
T1188	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	At risk of removal but aiming to retain
T1189	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Removed
T1190	Native Oak	590	10	9	>4.0	-	Base lower in ditch approx. 1.5m. No access over ditch.	Mature	7.1	20+	B1	Section 1	Removed

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1191	Native Oak	530	8	8	4	-	Crown lifted over fields	Mature	6.4	20+	B1	Section 1	At risk of removal but aiming to retain
T1192	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1193	Native Oak	490	14	10	3.5	-	-	Mature	5.9	20+	B1	Section 1	Retained with Protection Measures
T1194	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1195	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1196	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	Removed
T1197	Native Oak	720	8	10	4	-	Historic lean south	Mature	8.6	20+	B1	Section 1	At risk of removal but aiming to retain
T1198	Native Oak	510	8	9	4	-	Swept stem to base	Mature	6.1	20+	B1	Section 1	Retained with Protection Measures
G1199	Mixed Broadleaves	425	19	8	4	80	Aspen with Sycamore and Willow	Semi Mature	5.1	20+	B2	Section 1	At risk of removal but aiming to retain
T1200	Lime	250	7	8	3	-	-	Semi Mature	3.0	20+	B1	Section 1	Retained with Protection Measures
G1201	Crack Willow	-	-	-	-	-	3 x Crack willow	-	-	10+	C2	Section 1	Retained with Protection Measures
G1202	Mixed Broadleaves	375	19	9	4	15	Semi mature Poplar, Sycamore and Crack Willow	Semi Mature	4.5	20+	B2	Section 1	Retained with Protection Measures
T1203	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1204	Mixed Broadleaves	-	-	-	-	-	Ash and Alder	-	-	10+	C2	Section 1	Retained with Protection Measures
G1205	Aspen	225	13	8	>4.0	12	-	Semi Mature	2.7	20+	B2	Section 1	Retained with Protection Measures
T1206	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	Retained with Protection Measures
T1207	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1219	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
G1208	Mixed Broadleaves	175	11	5	<0.5	200	Block planted screen planting	Early Mature	2.1	20+	B2	Section 1	Retained with Protection Measures
G1209	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
T1210	Native Oak	770	12	12	4	-	Hedgerow Oak, 4m clearance over fields	Mature	9.2	20+	B1	Section 1	Retained with Protection Measures
T1211	Native Oak	730	10	11	4	-	Historic stem wound from 3m west to 4.5m	Mature	8.8	20+	B1	Section 1	Retained with Protection Measures
T1212	Native Oak	740	9	10	4	-	Historic stem wound from east base to 3m	Mature	8.9	20+	B1	Section 1	Retained with Protection Measures
G1213	Mixed Broadleaves	200	12	5	<0.5	250	Block planted screen planting	Semi Mature	2.4	20+	B2	Section 1	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
G1214	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
G1215	Wild Cherry	350	9	8	1	4	-	Early Mature	4.2	20+	B2	Section 1	Retained with Protection Measures
G1216	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
T1217	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	At risk of removal but aiming to retain
T1218	Ash	700	12	14	3	-	Dense ivy	Mature	8.4	20+	B1	Section 1	Retained with Protection Measures
T1220	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
G1221	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
T1222	Native Oak	800	8	11	2	-	Leaning south over sunken pond	Mature	9.6	20+	B1	Section 1	Retained with Protection Measures
G1223	Mixed Broadleaves	200	10	7	0.5	350	Block planted screen planting.	Early Mature	2.4	20+	B2	Section 1	Retained with Protection Measures
T1224	Native Oak	950	12	13	4	-	Pond-edge Oak, 4m clearance over fieldward sides	Mature	11.4	20+	B1	Section 1	At risk of removal but aiming to retain
T1225	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1226	Native Oak	490	10	10	4	-	Hedgerow Oak, 4m clearance over fields	Mature	5.9	20+	B1	Section 1	At risk of removal but aiming to retain
G1227	Mixed Broadleaves	200	10	7	<0.5	40	-	Semi Mature	2.4	20+	B2	Section 1	Retained with Protection Measures
G1228	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
T1229	Native Oak	550	9	11	4	-	Hedgerow Oak, 4m clearance over fields	Mature	6.6	20+	B1	Section 1	At risk of removal but aiming to retain
T1230	Native Oak	750	10	11	4	-	Hedgerow Oak, 4m clearance over fields	Mature	9.0	20+	B1	Section 1	At risk of removal but aiming to retain
T1231	Native Oak	420	6	8	4	-	Hedgerow Oak, 4m clearance over fields	Mature	5.0	20+	B1	Section 1	At risk of removal but aiming to retain
G1232	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
T1233	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	At risk of removal but aiming to retain
G1234	Mixed Broadleaves	300	14	8	<0.5	100	Multi-stemmed Willow stand with Hazel and Hawthorn	Early Mature	3.6	20+	B2	Section 1	Retained with Protection Measures
T1235	Native Oak	780	10	12	4	-	Hedgerow Oak, 4m clearance over fields	Mature	9.4	20+	B1	Section 1	Retained with Protection Measures
T1236	Native Oak	1000	12	13	4	-	Hedgerow Oak, 4m clearance over fields	Mature	12.0	20+	B1	Section 1	Retained with Protection Measures
T1237	Native Oak	470	7	7	4	-	Hedgerow Oak, 4m clearance over fields	Mature	5.6	20+	B1	Section 1	Retained with Protection Measures
G1238	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1239	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
T1240	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
T1241	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1242	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1243	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1244	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
G1245	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Partial removal
T1246	Willow	650	12	12	2	-	9+ stems from 0.5m. Diameter estimated	Mature	7.8	20+	B1	Section 1	At risk of removal but aiming to retain
G1247	Mixed Broadleaves	-	-	-	-	-	Self-set Willow and Hawthorn	-	-	10+	C2	Section 1	Retained with Protection Measures
T1248	Willow	750	13	13	2	-	9+ stems from 0.5m. Diameter estimated	Mature	9.0	20+	B1	Section 1	At risk of removal but aiming to retain
T1249	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1250	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
G1251	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
G1252	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
G1253	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	Retained with Protection Measures
G1254	Hawthorn	-	-	-	-	-	Unmanaged Hawthorn hedge	-	-	10+	C2	Section 1	Partial removal
T1255	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	At risk of removal but aiming to retain
T1256	Remotely surveyed	-	-	-	-	-	-	-	-	<10	U	Section 1	At risk of removal but aiming to retain
G1258	Hawthorn	-	-	-	-	-	Unmanaged Hawthorn hedge	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
G1257	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
G1259	Hawthorn	-	-	-	-	-	Unmanaged Hawthorn hedge	-	-	10+	C2	Section 1	Partial removal
T1260	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1261	Hawthorn	-	-	-	-	-	Unmanaged Hawthorn hedge	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
T1262	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
T1263	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1264	Remotely surveyed	-	-	-	-	-	-	-	-	10+	C1	Section 1	Retained with Protection Measures
G1265	Hawthorn	-	-	-	-	-	Unmanaged Hawthorn hedge	-	-	10+	C2	Section 1	At risk of removal but aiming to retain
T1266	English Oak	970	19	8 - 11 - 5 - 8	2	-	Suppressed on south by large oak. Dead limbs present.	Mature	11.6	40+	B1	Section 3	Retained with Protection Measures
T1267	Sessile Oak	1350	25	10 - 10 - 10 - 7	3	-	Large longitudinal fracture, lots of basal damage from grazing animals, largest oak in area, some broken branches, snap out hazard on main stem.	Mature	16.2	20-40	U	Section 3	Retained with Protection Measures
T1268	English Oak	950e	10	5 - 9 - 0 - 3	2	-	Potential veteran. Back side of tree has approximately 2.5m high of mulch like material up against stem and extending 5m west and south. Lots of dead branches and snapouts. Lots of cavities.	Veteran	15.0	40+	A3	Section 3	Retained with Protection Measures
T1269	English Oak	810	13	8 - 3 - 5 - 7	3	-	Lots of dead branches in internal canopy, reaction wood around 1m from barbed wire against it. Fungi up one branch eastward.	Mature	9.7	40+	B1	Section 3	Removed
T1270	English Oak	1050	16	8 - 10 - 11 - 6	2	-	Buttressed base. Several snapped limbs up main stem. Still holding some leaf late in year. Some pruned lower limbs sealed over with response wood.	Mature	12.6	40+	B1	Section 3	Removed
G1271	Cypress	300e	4	2 - 2 - 2 - 2	0	-	Hedge maintained along boundary	Mature	3.6	40+	B2	Section 3	Retained with Protection Measures
T1272	English Oak	1000e	19	10 - 10 - 9 - 9	3	-	On private land. All figures estimated. Large pruning wound approximately 4m up stem. Has had other works done also in crown.	Mature	12.0	40+	A1	Section 3	Retained with Protection Measures
T1273	English Oak	850e	18	7 - 8 - 8 - 7	4	-	On private land so all figures estimated. Lowest branch has snapped limb detached and wound exposed. Previous pruning wounds approximately 5, 6, and 8m up stem.	Mature	10.2	40+	B1	Section 3	Retained with Protection Measures
T1274	English Oak	830	15	9 - 10 - 10 - 10	3	-	Ground around base heavily trampled by cattle.	Mature	10.0	40+	A2	Section 5	Retained with Protection Measures
T1275	English Oak	950	15	10 - 10 - 10 - 10	2	-	Ground around base heavily trampled by cattle, entire canopy in decline, major deadwood throughout canopy.	Mature	11.4	10-20	C2	Section 5	Retained with Protection Measures
T1276	English Oak	950	15	2 - 9 - 10 - 8	2	-	Ground around base heavily trampled by cattle, large stem torn out at 2m exposing large area of heartwood 1mx0.5m leaving the canopy mostly bare to the north.	Mature	11.4	10-20	C2	Section 5	Retained with Protection Measures
T1277	English Oak	850	13	8 - 8 - 8 - 8	2	-	Ground around base heavily trampled by cattle, minor pruning from 33kv overhead conductors to west, swelling of stem from 0.5m to 3m.	Mature	10.2	40+	B2	Section 5	Retained with Protection Measures
T1278	English Oak	1030	17	10 - 10 - 10 - 10	2	-	Ground around base heavily trampled by cattle, crown lifted to 5m, moderate deadwood throughout canopy	Mature	12.4	40+	A2	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1279	English Oak	800	15	10 - 10 - 10 - 10	2	-	Moderate deadwood on north side of canopy at 8m, ground around base heavily trampled by cattle, crown lifted to 5m.	Mature	9.6	40+	A2	Section 5	At risk of removal but aiming to retain
T1280	Sycamore	950e	17	11 - 11 - 11 - 11	2.5	-	9m from hedge to south, snapped out limb hung up in west side of canopy at 4m.	Mature	11.4	40+	A2	Section 5	Retained with Protection Measures
T1281	Norway Maple	450e	13	5 - 5 - 6 - 5	2	-	Grown in maintained lawn area of garden.	Early Mature	5.4	40+	B2	Section 5	Retained with Protection Measures
G1282	Hawthorn	75	1.5	0.5 - 0.5 - 0.5 - 0.5	0	-	Maintained hedgerow.	Semi Mature	0.9	40+	C1	Section 5	At risk of removal but aiming to retain
T1283	Ash	880	14	7 - 7 - 7 - 4	3	-	31.6m from fence and 32.8m from tank, prolific ivy on stems to 8m, crown lifted to 3m, growing from coppice stool on descending bank to road, 5 stems of average 330mm.	Early Mature	10.6	10-20	B2	Section 5	At risk of removal but aiming to retain
T1284	Ash	600e	10	5 - 2 - 5 - 4	1	-	30.6m from tank and 29.7m from fence measured from hedgerow, 4m roadside of hedge, prolific ivy on stems to 7m, growing from coppice stool on descending bank to road, 4 stems of average 250mm.	Early Mature	7.2	10-20	B2	Section 5	At risk of removal but aiming to retain
T1285	Ash	600e	18	6 - 7 - 9 - 3	2	-	Ivy to 14m, 2m behind hedgerow, 24.5m to fence and 25.5m to tank measured from hedgerow.	Early Mature	7.2	10-20	B2	Section 5	At risk of removal but aiming to retain
T1286	Ash	650e	20	7 - 7 - 9 - 4	4	-	Ivy to 15m, 2m behind hedgerow, 22.1m to fence and 23.6m to tank measured from hedgerow.	Early Mature	7.8	10-20	B2	Section 5	At risk of removal but aiming to retain
T1287	Sycamore	550e	20	6 - 7 - 8 - 4	5	-	Prolific ivy on stem to 16m, 2m from hedgerow to south, 20.4m from fence and 22.6m from tank measured from hedgerow.	Early Mature	6.6	40+	B2	Section 5	At risk of removal but aiming to retain
T1288	Ash	650e	20	7 - 7 - 12 - 12	5	-	20.4m from fence and 21.8m from tank measured from hedgerow, ivy on stem to 14m, split and torn branch stubs at 8m and 9m on south-east side of canopy, 2m from hedgerow to south.	Mature	7.8	40+	B2	Section 5	At risk of removal but aiming to retain
T1289	Sycamore	650e	19	9 - 9 - 9 - 6	5	-	Entire canopy in decline, prolific ivy throughout canopy, major deadwood appearing throughout canopy, four stems of 650, 500, 300, 400mm, growing on descending woodland bank 2m from fence, 22m from fence and 26m from tank measured from fence line.	Mature	7.8	10-20	C2	Section 5	Retained with Protection Measures
T1290	Sycamore	650e	22	3 - 7 - 8 - 6	3	-	Prolific ivy covering most of the tree to 20m, 6m from fence line to east on descending woodland bank, 20.8m from fence and 25.6m from tank.	Mature	7.8	40+	B2	Section 5	Retained with Protection Measures

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1291	English Oak	1200e	20	6 - 13 - 12 - 7	2.5	-	26.8m from fence and 31.6m from tank measured from fence line, prolific ivy throughout canopy, large decline branch to north growing from 1m, major deadwood located at 4m on east side.	Mature	14.4	40+	A2	Section 5	Retained with Protection Measures
T1292	English Oak	500e	20	3 - 8 - 6 - 2	3	-	4m from fence to east, 37.5m from tank and 32.5m from fence surrounding tank measured from fence line, prolific ivy on stem to 14m, moderate deadwood off main stem from 7-16m.	Early Mature	6.0	40+	B2	Section 5	Retained with Protection Measures
T1293	Sycamore	700e	20	5 - 8 - 8 - 4	2.5	-	4m from fence line to east, growing on descending woodland bank, 42.3m to tank and 37.5m to fence measured from fence line.	Mature	8.4	40+	B2	Section 5	Retained with Protection Measures
T1294	Sycamore	1100e	20	5 - 9 - 9 - 8	1.5	-	Two stems at base, 4m from fence line to east, growing on descending woodland bank, 49.5m to tank and 44m to fence measured from fence line.	Mature	13.2	40+	B2	Section 5	Retained with Protection Measures
T1295	Sycamore	680e	22	5 - 7 - 6 - 8	3	-	4m from fence line to south-east, growing on descending woodland bank, 59m to tank and 54m to fence measured from fence line, ivy on stem to 14m.	Early Mature	8.2	40+	B2	Section 5	At risk of removal but aiming to retain
T1296	Sycamore	620e	22	3 - 7 - 6 - 8	2	-	3m from fence line to south-east, growing on descending woodland bank, 63m to tank measured from fence line, ivy on stem to 14m.	Early Mature	7.4	40+	B2	Section 5	At risk of removal but aiming to retain
T1297	Sycamore	980e	22	3 - 8 - 6 - 2	1.5	-	Two stems from 0.5m, 3m from fence line to south-east, growing on descending woodland bank, 68m to tank measured from fence line.	Early Mature	11.7	40+	B2	Section 5	At risk of removal but aiming to retain
T1298	Ash	700e	20	4 - 8 - 10 - 4	4	-	Prolific ivy on stem to 18m, 3m from fence to east, crown lifted to 4m over field not occluding.	Mature	8.4	20-40	B2	Section 5	At risk of removal but aiming to retain
T1299	Sycamore	1125	22	3 - 8 - 9 - 4	1.5	-	Three stems from 1m of 500, 550, 550mm, 4m from fence line to SE, growing on descending woodland bank .	Early Mature	13.5	40+	B2	Section 5	Retained with Protection Measures
G1300	Blackthorn, Ash, Elder, Hawthorn, Sycamore	75	5	1 - 1 - 1 - 1	0	-	Self-set between fence and trees on top of bank.	Young	0.9	10-20	C2	Section 5	At risk of removal but aiming to retain
G1301	Sycamore, Alder, Ash	500e	20	8 - 8 - 8 - 8	2	-	Ivy on stems, growing from descending bank, 3m from hedgerow to south, 19.2m from fence, 22.5m from tank measured from hedgerow.	Early Mature	6.0	40+	B2	Section 5	At risk of removal but aiming to retain
G1302	Hazel, Ash, English Oak, Sycamore	75	7	4 - 4 - 4 - 4	0	-	Self set, on top of woodland bank, behind fence, 82m from tank.	Young	0.9	40+	C2	Section 5	Retained with Protection Measures
T1303	Sycamore	1400	15	-	0	-	-	Mature	16.8	40+	A1	Section 5	Retained with Protection Measures
T1304	Sycamore	500	14	-	0	-	-	Early Mature	6.0	40+	B2	Section 5	Retained with Protection Measures
T1305	English Oak	600	16	-	0	-	-	Early Mature	7.2	40+	B2	Section 5	Retained with Protection Measures
T1306	English Oak	1100	18	-	0	-	-	Mature	13.2	40+	A2	Section 5	Removed

Ref	Species	Stem diameter	Height	Crown Spread	Crown Height	Count	Comments	Ages Class	RPA	ERC	Cat	Section	Impact
T1307	Sycamore	550	15	-	0	-	-	Mature	6.6	40+	B2	Section 5	Removed
T1308	Sycamore	550	15	-	0	-	-	Early Mature	6.6	40+	B2	Section 5	Removed
T1309	English Oak	600	15	-	0	-	-	Early Mature	7.2	40+	B2	Section 5	At risk of removal but aiming to retain
G1310	Sycamore	650	17	-	0	-	-	Mature	7.8	40+	B2	Section 5	At risk of removal but aiming to retain
G1311	Sycamore, Ash, English Oak	500	14	-	0	-	-	Early Mature	6.0	40+	B2	Section 5	At risk of removal but aiming to retain
G1312	Sycamore, Ash	500	17	-	0	-	-	Early Mature	6.0	40+	B2	Section 5	At risk of removal but aiming to retain
G1313	English Oak	600	17	-	0	-	-	Early Mature	7.2	40+	B2	Section 5	At risk of removal but aiming to retain
G1314	English Oak, Ash, Silver Birch, Goat Willow, Hawthorn	800	18	-	0	-	-	Mature	9.6	40+	B2	Section 5	At risk of removal but aiming to retain
T1315	English Oak	700	14	-	0	-	-	Early Mature	8.4	40+	B2	Section 5	Retained with Protection Measures
T1316	English Oak	700	14	-	0	-	-	Early Mature	8.4	40+	B2	Section 5	Retained with Protection Measures
T1317	English Oak	700	14	-	0	-	-	Early Mature	8.4	40+	B2	Section 5	Retained with Protection Measures
T1318	Sycamore	900	16	-	0	-	-	Mature	10.8	40+	B2	Section 5	Retained with Protection Measures
T1319	English Oak	500	12	-	0	-	-	Early Mature	6.0	40+	B2	Section 5	At risk of removal but aiming to retain
T1320	English Oak	750	15	-	0	-	-	Early Mature	9.0	40+	B2	Section 5	At risk of removal but aiming to retain
T1321	English Oak	550	10	-	0	-	-	Early Mature	6.6	40+	B2	Section 5	At risk of removal but aiming to retain
T1322	Sycamore	500	12	-	0	-	-	Early Mature	6.0	40+	B2	Section 5	At risk of removal but aiming to retain
T1323	English Oak	500	15	-	0	-	-	Early Mature	6.0	40+	B2	Section 5	Retained with Protection Measures
T1324	English Oak	400	15	-	0	-	-	Early Mature	4.8	40+	B2	Section 5	Retained with Protection Measures

ANNEX C – ARBORICULTURAL SURVEY SCHEDULE (SECTION 7)

Explanatory Notes

The schedule provides the survey data of each surveyed feature and should be used in conjunction with the Tree Removal and Protection Plan (Annex E) to elicit an understanding of the features geographical location and anticipated impacts in relation to the DCO Proposed Development.

Reference Abbreviations

- G – Group
- T – Tree

A suffix of 'a' is added to the tree numbers for Section 7 to avoid reference clashes between the trees surveyed as part of the TCPA Proposed Development and those surveyed for the DCO Proposed Development.

Measurements

Height of trees was measured with a clinometer.

Stem diameter measurements are in accordance with BS 5837:2012.

Crown spreads have been estimated in the four cardinal points.

LCH is the lowest canopy height. It is an estimate of the lowest point of foliage above ground level of the tree indicating the clearance below the tree.

LBH is the lowest branch height and is the height above ground level of the first branch union.

Assessments

Life stage:

- Y – Young – planted within the last three years (unless heavy/extra heavy standard)
- SM – Semi-mature – <25% estimated life expectancy
- EM – Early Mature – < 50% estimated life expectancy
- M – Mature – >50% estimated life expectancy

Physiological condition – Good, Fair Poor or Dead

Structural condition – Good, Fair, Poor or Unstable

Estimated remaining contribution - <10 years, 10+ years, 20+ years or 40+ years.

BS 5837 Category – A, B, C or U with a single sub-category recorded as 1, 2 or 3.

Root Protection Area

RPA is the circular radius associated with the tree as measured from the centre of the stem.

The RPA for groups is the equivalent RPA for the largest tree in that group and is illustrated in the Tree Removal and Protection Plan (Section 7 of the DCO Proposed Development) at **Annex E**.

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
T78a	Ash, Fraxinus excelsior	19	910	6 - 6 - 6 - 6	3	4.5	M	P	P	Bark canker throughout canopy, snapped out central stem at 10m with cavity appearing to descend down stem, snapped out branches in East side of canopy at 13m, cavities on main stems at 9m, 10 and 13m on South side, tag number 0876.	10.9	<10	B2	At risk of removal but aiming to retain
T79a	Ash, Fraxinus excelsior	18	850	1 - 6 - 6 - 6	3	4.5	M	P	F	Uncharacteristic epicormic throughout canopy with little vigour, sparse canker throughout canopy, moderate deadwood throughout canopy.	10.2	<10	C1	At risk of removal but aiming to retain
T80a	Ash, Fraxinus excelsior	19	880	7 - 7 - 6 - 6	4	3	M	F	F	Minor deadwood throughout canopy.	10.6	40+	B1	At risk of removal but aiming to retain
T81a	European larch, Larix decidua	8	360	4 - 1 - 1 - 4	4	2.5	EM	P	P	Wound on stem at 1m, holes throughout central leader, dieback in central leader.	4.3	10+	C1	Removal
T82a	European larch, Larix decidua	11	450	6 - 1 - 1 - 6	2	2.5	EM	P	P	Wound on stem at 1m, holes throughout central leader, dead lead stem.	5.4	10+	C1	At risk of removal but aiming to retain
T83a	European larch, Larix decidua	9	450	1 - 1 - 4 - 5	2	3	EM	F	F	Suppressed from east.	5.4	20+	C1	At risk of removal but aiming to retain
T84a	European larch, Larix decidua	8	410	1 - 5 - 4 - 0	2	5	EM	F	P	Suppressed from west, vertical lean to east of approx 20 degrees, large wound on west side from base of 1.25m x 25cm, reactive growth around old branch union that has occluded at 3m.	4.9	10+	C1	At risk of removal but aiming to retain
T85a	European larch, Larix decidua	6	300	0 - 0 - 0 - 0	-	-	-	D	U	Dead.	3.6	<10	U	At risk of removal but aiming to retain
T86a	European larch, Larix decidua	11	180	1 - 1 - 1 - 1	7	7	EM	P	P	Wound at base on west side of 1.25m x 20cm.	2.2	<10	C1	At risk of removal but aiming to retain
T87a	European larch, Larix decidua	12	280	13 - 2 - 2 - 3	5	5	EM	P	P	Significant wound at base on west side of 2m x 20cm, moderate deadwood on main stem.	3.4	<10	C1	At risk of removal but aiming to retain
T88a	European larch, Larix decidua	7	380	4 - 2 - 2 - 3	5	5	EM	P	P	Torn branch at 4m on South side, decay evident.	4.6	10+	C1	At risk of removal but aiming to retain
T89a	Ash, Fraxinus excelsior	8	610	1 - 1 - 1 - 1	2	2	M	P	P	Snapped out main stem with epicormic regenerating, grown over a large boulder, cavity down to base.	7.3	10+	C1	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
T90a	Ash, <i>Fraxinus excelsior</i>	19	640	6 - 7 - 4 - 3	3	7	M	F	F	Major deadwood on east side at 15m, and moderate throughout canopy, cavity at 5m on east side partially occluded.	7.7	40+	B1	At risk of removal but aiming to retain
T91a	Ash, <i>Fraxinus excelsior</i>	19	780	3 - 7 - 7 - 6	2	2	M	P	F	Moderate deadwood throughout canopy, fungal bracket at 14m on main stem potentially inonotus sp., Ash dieback evident.	9.4	40+	C1	Removal
T92a	Sycamore, <i>Acer pseudoplatanus</i>	0	680	6 - 6 - 6 - 6	4	5	M	F	F	Minor deadwood, in hedge, twin stem from 5m.	8.2	40+	B1	Retained with Protection Measures
G93a	European larch, <i>Larix decidua</i>	9	400	2 - 3 - 1 - 1	4	4	EM	P	P	Wounding at base of both trees, moderate deadwood in canopies, suppressed from west by ash.	4.8	<10	C1	At risk of removal but aiming to retain
G94a	Blackthorn, <i>Prunus spinosa</i> , Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i> , Elder, <i>Sambucus nigra</i>	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	Partial removal
G95a	Blackthorn, <i>Prunus spinosa</i> , Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i> , Elder, <i>Sambucus nigra</i>	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	Partial removal
G96a	Blackthorn, <i>Prunus spinosa</i> , Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i> , Elder, <i>Sambucus nigra</i>	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	At risk of removal but aiming to retain
G97a	Blackthorn, <i>Prunus spinosa</i> , Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i> , Elder, <i>Sambucus nigra</i>	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	At risk of removal but aiming to retain
G98a	Blackthorn, <i>Prunus spinosa</i> , Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i> , Elder, <i>Sambucus nigra</i>	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
G99a	Blackthorn, Prunus spinosa, Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	Removal
G100a	Blackthorn, Prunus spinosa, Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra	2.5	200	0.5 - 0.5 - 0.5 - 0.5	0	0	M	F	F	Maintained hedgerow.	2.4	40+	B2	At risk of removal but aiming to retain
T101a	Hawthorn, Crataegus monogyna	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	SM	F	F	Flailed at 2m.	1.1	40+	C1	Retained with Protection Measures
T102a	Hawthorn, Crataegus monogyna	6	160	2 - 0.5 - 2 - 2	0	0	SM	F	F	Flailed at on east side.	1.9	40+	C1	At risk of removal but aiming to retain
T103a	Sycamore, Acer pseudoplatanus	18	680e	8 - 8 - 8 - 8	4	4	M	F	F	In hedgerow, minor deadwood on main stem.	8.2	40+	A1	At risk of removal but aiming to retain
T104a	Sycamore, Acer pseudoplatanus	17	650e	8 - 8 - 8 - 8	4	4	M	F	F	In hedgerow, minor deadwood on main stem.	7.8	40+	A1	Retained with Protection Measures
T105a	Sycamore, Acer pseudoplatanus	17	1120e	8 - 8 - 8 - 8	4	4	M	F	F	In hedgerow, minor deadwood on main stem, twin stem from 4m.	13.4	40+	B1	At risk of removal but aiming to retain
T106a	Sycamore, Acer pseudoplatanus	17	780e	7 - 7 - 7 - 7	3	0	M	F	F	In hedgerow, minor deadwood on main stem, 3 additional stems at base, prolific ivy on stem from 4-16m.	9.4	40+	B1	At risk of removal but aiming to retain
G107a	Hawthorn, Crataegus monogyna	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	SM	F	F	Maintained hedgerow.	1.1	40+	B2	Retained with Protection Measures
G108a	Hawthorn, Crataegus monogyna, Sycamore, Acer pseudoplatanus	16	500	5 - 5 - 5 - 5	0	0	EM	F	F	Copse of sycamore with hawthorn on edges, minor deadwood, hawthorn has been maintained.	6.0	40+	B2	Retained with Protection Measures
G109a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Blackthorn, Prunus spinosa	3	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow, 33kv pole in hedge, pipeline in hedge ref 17.01.	1.6	40+	B2	At risk of removal but aiming to retain
G110a	Blackthorn, Prunus spinosa	1.5	90	0.5 - 0.5 - 0.5 - 0.5	0	0	SM	F	F	Maintained hedgerow.	1.1	40+	C2	At risk of removal but aiming to retain
G111a	Blackthorn, Prunus spinosa	1.5	90	0.5 - 0.5 - 0.5 - 0.5	0	0	SM	F	F	Maintained hedgerow.	1.1	40+	C2	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
G112a	Hawthorn, Crataegus monogyna, Sycamore, Acer pseudoplatanus, Ash, Fraxinus excelsior, Elder, Sambucus nigra, Hazel, Corylus avellana	17	750	7 - 7 - 7 - 7	1	0	M	F	F	On a bank, prolific ivy on some sycamore stems.	9.0	40+	B2	At risk of removal but aiming to retain
G113a	Hawthorn, Crataegus monogyna, Hazel, Corylus avellana, Blackthorn, Prunus spinosa	10	200	2 - 2 - 2 - 2	0	0	EM	F	F	Maintained hedgerow.	2.4	40+	C2	At risk of removal but aiming to retain
G114a	Hawthorn, Crataegus monogyna, Blackthorn, Prunus spinosa	1	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	Partial removal
G115a	Hawthorn, Crataegus monogyna, Blackthorn, Prunus spinosa	1	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	Removal
G116a	Hawthorn, Crataegus monogyna, Blackthorn, Prunus spinosa	1	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	At risk of removal but aiming to retain
G117a	Hawthorn, Crataegus monogyna, Blackthorn, Prunus spinosa	1	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	Removal
G118a	Hawthorn, Crataegus monogyna, Blackthorn, Prunus spinosa	4.5	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow, 33kv pole in hedge, pipeline in hedge ref 17.01.	1.6	40+	B2	Partial removal
G119a	Hawthorn, Crataegus monogyna, Sycamore, Acer pseudoplatanus, Blackthorn, Prunus spinosa	2	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	Partial removal
T120a	Ash, Fraxinus excelsior	7	450e	1 - 3 - 1 - 1	2	2	EM	P	U	Main stem snapped out at 7m, held up in surrounding canopies.	5.4	<10	U	At risk of removal but aiming to retain
T121a	English Elm, Ulmus procera	8	350e	4 - 4 - 4 - 4	3	2	SM	D	P	Dead elm.	4.2	<10	U	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
G134a	Sycamore, Acer pseudoplatanus, Holly, Ilex aquifolium, Hawthorn, Crataegus monogyna, English Oak, Quercus robur	16	400	5 - 5 - 5 - 5	0	0	EM	F	F	On edge of steep bank that drops to the road, mostly sycamore often multi stem from base, pruning from 11kv overheads on northeast side of group, prolific ivy on some stems.	4.8	40+	B2	At risk of removal but aiming to retain
G135a	Hawthorn, Crataegus monogyna	6	90	1 - 1 - 2 - 1	0	0	EM	F	F	Hedgerow, 11kv overhead, stems covered in ivy.	1.1	40+	C2	At risk of removal but aiming to retain
G136a	Blackthorn, Prunus spinosa	6	90	1 - 1 - 2 - 1	0	0	EM	F	F	Hedgerow and suckering stems, stems covered in ivy.	1.1	40+	C2	At risk of removal but aiming to retain
G137a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.1	40+	B2	At risk of removal but aiming to retain
G138a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.1	40+	B2	Partial removal
G139a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.1	40+	B2	Retained with Protection Measures
G140a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	1	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.1	40+	B2	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
G141a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow, 11kv pole in hedge at Eastern end of group, mostly holly.	1.1	40+	B2	At risk of removal but aiming to retain
G142a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra	8	100e	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Mostly holly, 11kv close to west edge of group, sides of hedge maintained.	1.2	40+	B2	Partial removal
G143a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	2	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow, 11kv pole in hedge at Eastern end of group, mostly holly.	1.1	40+	B2	Partial removal
G144a	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium, Elder, Sambucus nigra, Blackthorn, Prunus spinosa	1.5	90	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow, 11kv pole in hedge at Eastern end of group, mostly holly.	1.1	40+	B2	Retained with Protection Measures
G145a	Wild Cherry, Prunus avium, Common Walnut, Juglans regia, Norway spruce, Picea abies, Rowan, Sorbus aucuparia	8	250e	3 - 3 - 3 - 3	1	0	SM	F	F	1 walnut 1 spruce 4 cherry 1 rowan, on private land offsite.	3.0	40+	B2	At risk of removal but aiming to retain
G149	Hawthorn, Crataegus monogyna	3	90	0.5 - 0.5 - 0.5 - 0.5	0	0	SM	F	F	Maintained hedgerow.	1.1	40+	B2	At risk of removal but aiming to retain
G150	Hawthorn, Crataegus monogyna, Sycamore, Acer pseudoplatanus, Blackthorn, Prunus spinosa	2	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	At risk of removal but aiming to retain

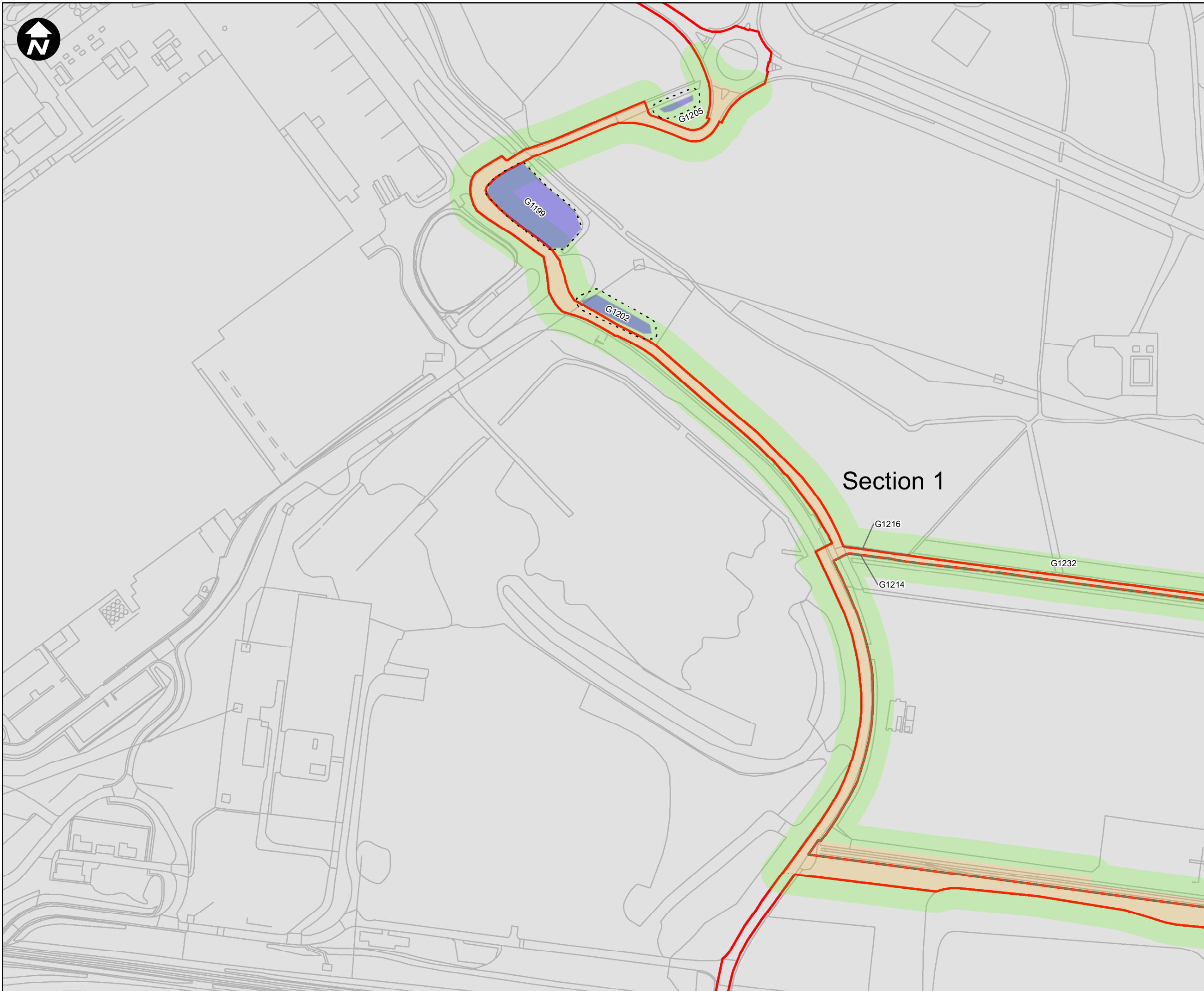
Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
G151	Hawthorn, Crataegus monogyna, Sycamore, Acer pseudoplatanus, Blackthorn, Prunus spinosa	2	130	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	F	F	Maintained hedgerow.	1.6	40+	B2	At risk of removal but aiming to retain
G152	Sycamore, Acer pseudoplatanus, Holly, Ilex aquifolium, Hawthorn, Crataegus monogyna, English Oak, Quercus robur	16	400	5 - 5 - 5 - 5	0	0	EM	F	F	On edge of steep bank that drops to the road. Mostly sycamore. Often multi stem from base. Pruning from 11kv overheads on northeast side of group. Prolific ivy on some stems.	4.8	40+	B2	At risk of removal but aiming to retain
G153	Holly, Ilex aquifolium, Hawthorn, Crataegus monogyna, Hazel, Corylus avellana, Sycamore, Acer pseudoplatanus	14	200	3 - 3 - 3 - 3	0	0	EM	F	F	Growing on descending bank. 11kv overhead cables.	2.4	40+	C2	At risk of removal but aiming to retain
T154	Ash, Fraxinus excelsior	8	250	5 - 4 - 1 - 1	2	3	SM	F	F	Stem grown up against BT pole. Pruned heavily from BT cables on south and west sides of canopy.	3.0	10-20	C2	At risk of removal but aiming to retain
T155	Sycamore, Acer pseudoplatanus	14	280	5 - 6 - 2 - 5	3	0	SM	G	F	Three stems of 280, 230, 200 grown against BT pole. Heavily pruned from road and BT cables on south side of canopy.	3.4	20-40	C2	At risk of removal but aiming to retain
T156	Ash, Fraxinus excelsior	8	250	3 - 3 - 3 - 3	0	0	SM	F	F	Grown in hedge. Against BT pole. Pruned from BT cables in west side of canopy.	3.0	10-20	C2	At risk of removal but aiming to retain
T157	Ash, Fraxinus excelsior	8	250	3 - 3 - 3 - 3	0	0	SM	F	F	Grown in hedge. Against BT pole. Pruned from BT cables in west side of canopy.	3.0	10-20	C2	At risk of removal but aiming to retain
T158	Ash, Fraxinus excelsior	10	250	3 - 3 - 3 - 3	0	0	SM	F	F	Grown in hedge. Against BT pole. Pruned from BT cables in west side of canopy.	3.0	10-20	C2	At risk of removal but aiming to retain
T159	English Oak, Quercus robur	20	630	8 - 8 - 8 - 5	4	6	EM	F	F	Growing on road side bank. Prolific ivy throughout canopy. Moderate deadwood up to 12m on west side of main stem.	7.6	40+	B2	At risk of removal but aiming to retain
T160	Wych Elm, Ulmus glabra	16	550	8 - 8 - 8 - 8	6	4	EM	G	G	Prolific ivy throughout canopy. Twin stem from 4m. Moderate deadwood in central canopy on main stem.	6.6	10-20	A2	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
T161	Sycamore, Acer pseudoplatanus	20	600	9 - 9 - 9 - 9	3	5	M	G	G	Prolific ivy throughout canopy.	7.2	40+	B2	At risk of removal but aiming to retain
G1325	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium	2	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow, 11kv conductors running east-west through hedge.	0.9	20-40	B2	At risk of removal but aiming to retain
G1326	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium	2	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow.	0.9	20-40	B2	At risk of removal but aiming to retain
T1327	English Oak, Quercus robur	14	860	6 - 7 - 6 - 6	2	2	M	G	G	Major dead stem at 3m on south side of stem.	10.3	40+	B2	At risk of removal but aiming to retain
G1328	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium	2	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow.	0.9	20-40	B2	At risk of removal but aiming to retain
T1344	English Oak, Quercus robur	17	920e	6 - 6 - 6 - 6	3	3	M	G	G	Ivy on stem to 15m, in hedgerow obscuring inspection.	11.0	40+	B2	At risk of removal but aiming to retain
T1330	English Oak, Quercus robur	15	950e	6 - 7 - 6 - 6	2.5	2.5	M	F	F	Uncharacteristic epicormic growth in top of canopy to north-east side, in hedgerow obscuring inspection, two moderate stems of deadwood in central canopy at 3m.	11.4	40+	B2	Retained with Protection Measures
G1329	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium	2	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow.	0.9	20-40	B2	At risk of removal but aiming to retain
G1331	English Oak, Quercus robur	15	850e	7 - 8 - 4 - 7	2	2	M	G	G	Moderate deadwood in northern tree on main stem at 5-8m, cavity at base and at 2.5m on north side of stem of south tree and lead stem including union with decay to heartwood with cavity, potential bat habitat.	10.2	40+	B2	Retained with Protection Measures
T1332	Ash, Fraxinus excelsior	17	260	7 - 7 - 7 - 7	2	0	M	G	F	Old coppice at 0.5m, cavity at base of coppice, 5 stems	3.1	10-20	B2	Retained with Protection Measures
T1333	English Oak, Quercus robur	14	850	7 - 8 - 5 - 7	2	3	M	G	G	Major deadwood at 3m on west side of stem	10.2	40+	B2	Retained with Protection Measures
T1334	English Oak, Quercus robur	17	850e	8 - 8 - 4 - 5	2	1	M	G	G	In hedgerow obscuring inspection.	10.2	40+	B2	Retained with Protection Measures
G1335	Hawthorn, Crataegus monogyna, Holly, Ilex aquifolium	2	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow.	0.9	20-40	B2	At risk of removal but aiming to retain

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
T1336	Ash, <i>Fraxinus excelsior</i>	16	680	7 - 8 - 7 - 8	5	1	M	F	F	Old pollard at 1m, prolific ivy on stem to 12m, moderate deadwood throughout canopy, uncharacteristic epicormic growth throughout canopy, decay cavities at base of pollard where old stems would have been located.	8.2	10-20	B2	Retained with Protection Measures
T1337	Ash, <i>Fraxinus excelsior</i>	20	620	7 - 4 - 7 - 7	5	4	M	F	F	Prolific ivy on stem to 18m obscuring inspection, epicormic growth on tips of branches throughout canopy consistent with response to ash dieback.	7.4	10-20	B2	Retained with Protection Measures
G1338	Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i>	3	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow.	0.9	20-40	B2	At risk of removal but aiming to retain
G1339	Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i>	2	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow, 11kv conductors running east-west through hedge.	0.9	20-40	B2	Partial removal
T1340	English Oak, <i>Quercus robur</i>	12	530	6 - 6 - 6 - 6	2	0	EM	G	G	Two stems, ivy on stems to 9m, in hedgerow obscuring inspection.	6.4	40+	B2	At risk of removal but aiming to retain
T1341	English Oak, <i>Quercus robur</i>	15	600e	6 - 6 - 6 - 6	2	5	EM	G	G	Ivy on stem to 10m, in hedgerow obscuring inspection.	7.2	40+	B2	At risk of removal but aiming to retain
G1342	Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i>	3	75	0.5 - 0.5 - 0.5 - 0.5	0	0	EM	G	G	Maintained hedgerow.	0.9	20-40	B2	Retained with Protection Measures
G1343	Blackthorn, <i>Prunus spinosa</i> , Hawthorn, <i>Crataegus monogyna</i> , Holly, <i>Ilex aquifolium</i> , Hazel, <i>Corylus avellana</i> , Alder, <i>Alnus glutinosa</i>	7	200av	1 - 1 - 1 - 1	0	0	SM	F	F	Unmaintained hedgerow.	2.4	10-20	C2	Retained with Protection Measures

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category	Impact
G1345	English Oak, Quercus robur, Ash, Fraxinus excelsior, Wild Cherry, Prunus avium, Sycamore, Acer pseudoplatanus, Alder, Alnus glutinosa, English Elm, Ulmus procera, Norway Maple, Acer platanoides	20	550av	7 - 7 - 7 - 7	2	2	M	G	G	Woodland on embankment.	6.6	40+	B1	Retained with Protection Measures

ANNEX D – PRELIMINARY CONSTRAINTS AND IMPACTS PLAN



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	 A
● B	 B
● C	 C
● U	 U

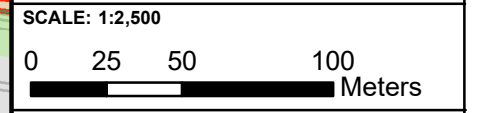
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE
Preliminary Constraints and Impacts Plan
Page 1 of 46

DRAWING STATUS
 UPDATE FOLLOWING DCO HEARING

DRAWN AB	CHECKED JH	APPROVED MW	AUTHORISED DC
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SCALE @ A3 SIZE 1:2,500	DATE 16/06/2023	REVISION C
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DRAWING NUMBER
 EN070007-PA-PEI-3.1-Sheet 1



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A A
- B B
- C C
- U U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
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- Constructions Layers**
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HyNet North West

PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

DRAWING TITLE
Preliminary Constraints and Impacts Plan
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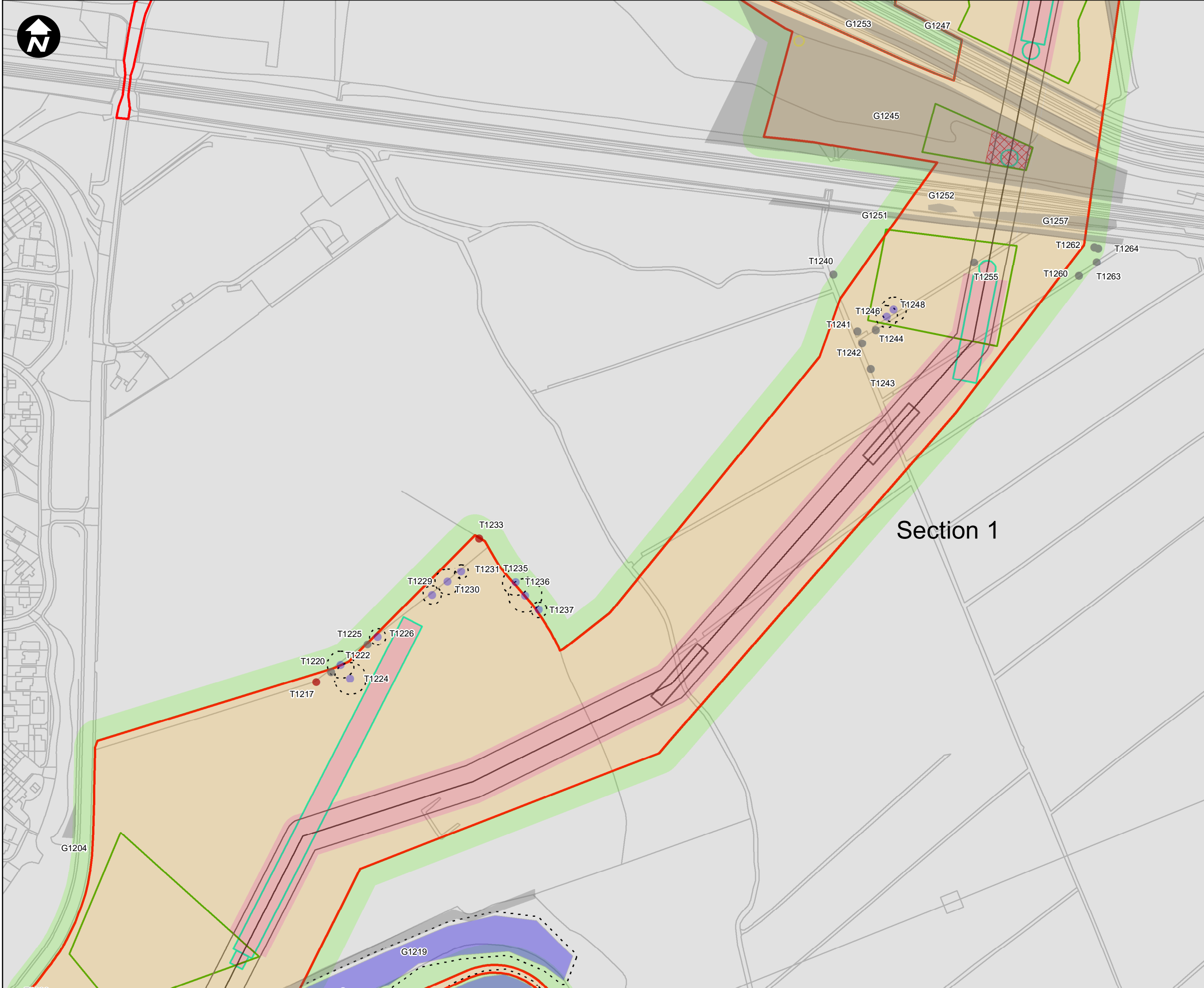
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 EN070007-PA-PEI-3.1-Sheet 2





Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

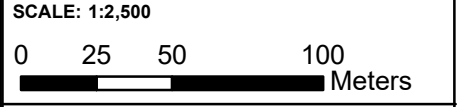
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- Root Protection Areas (RPA)
- Root Protection Areas (RPA)
- Veteran Trees - RPA's
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

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Preliminary Constraints and Impacts Plan
Page 3 of 46

DRAWING STATUS
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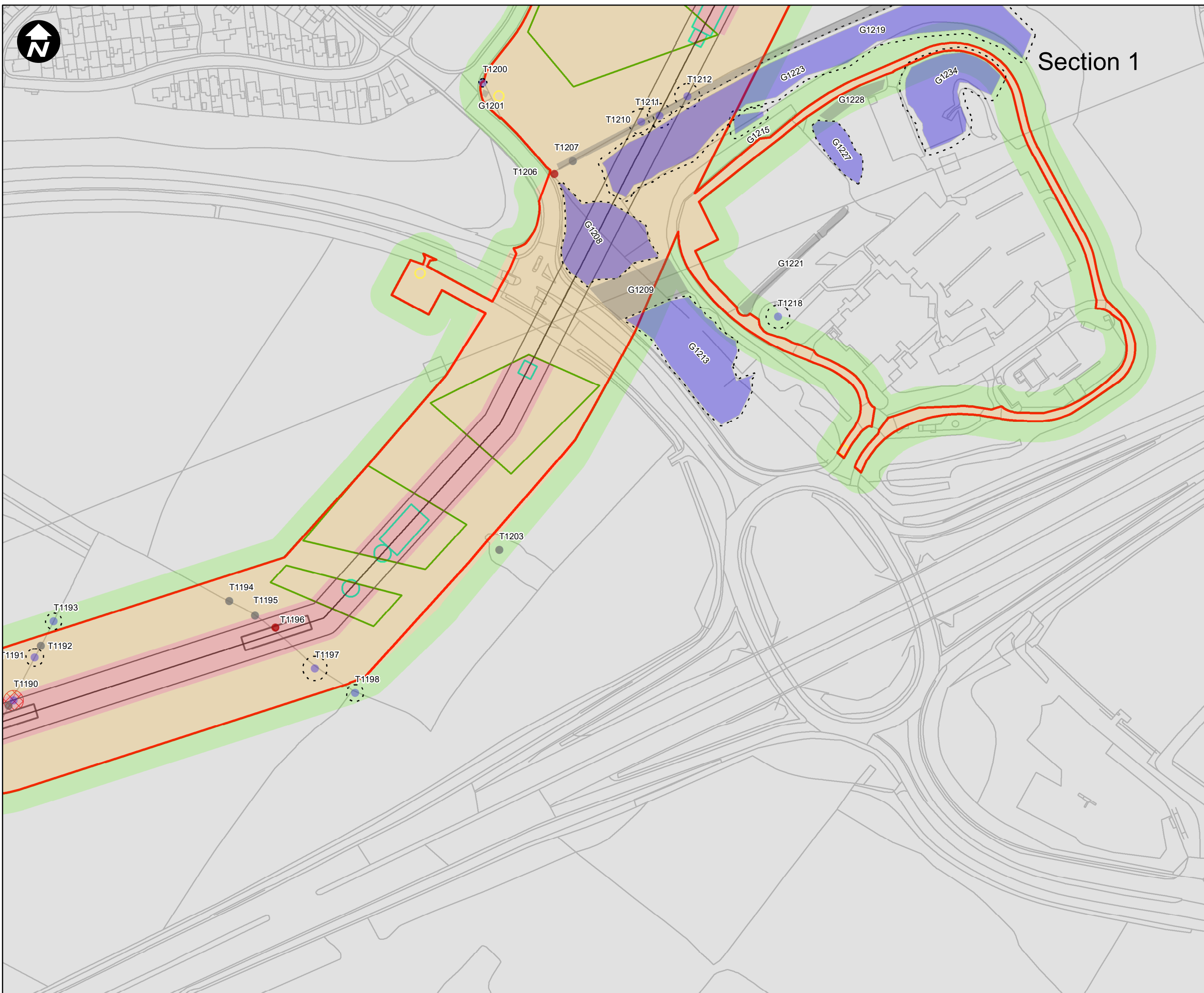
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Section 1



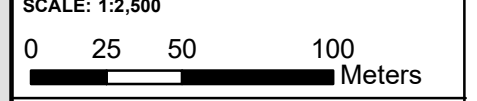
Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removals
- Root Protection Areas (RPA)**
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's**
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound



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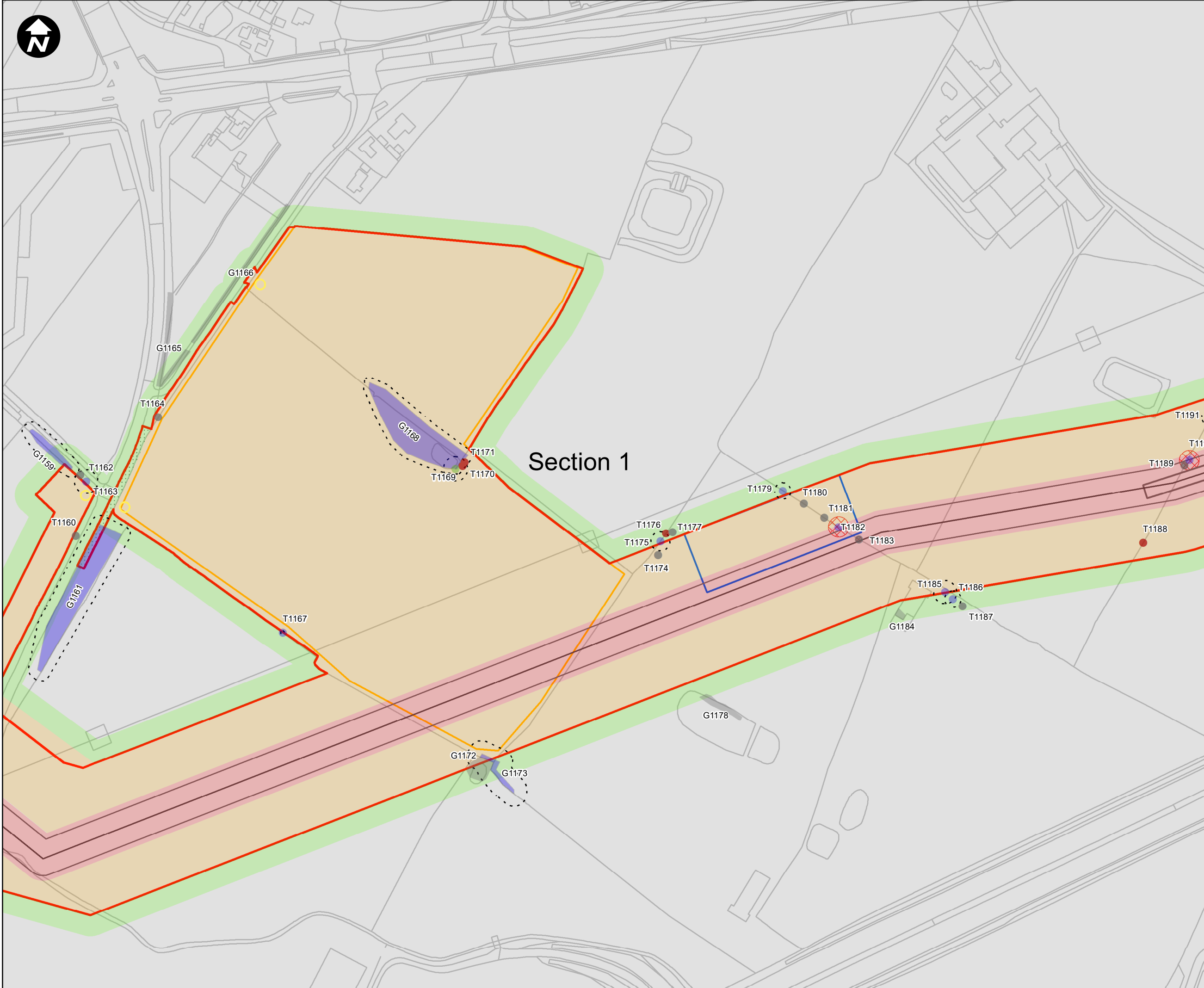
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EN070007-PA-PEI-3.1-Sheet 4



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound

SCALE: 1:2,500

0 25 50 100 Meters

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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

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Page 5 of 46**

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EN070007-PA-PEI-3.1-Sheet 5



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
 - A
 - B
 - C
 - U
- Preliminary Removals
- Root Protection Areas (RPA)**
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's**
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound

SCALE: 1:2,500



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

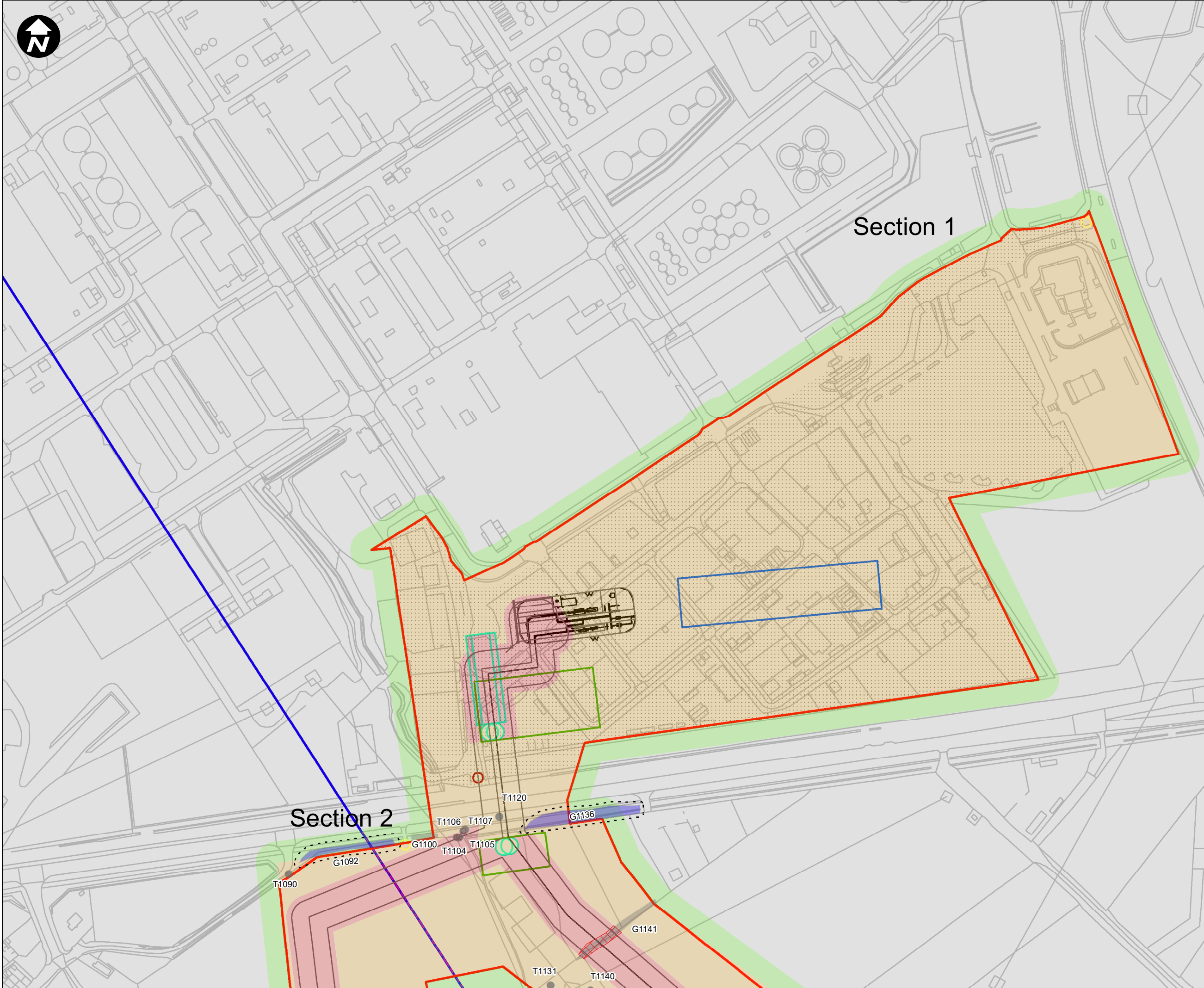
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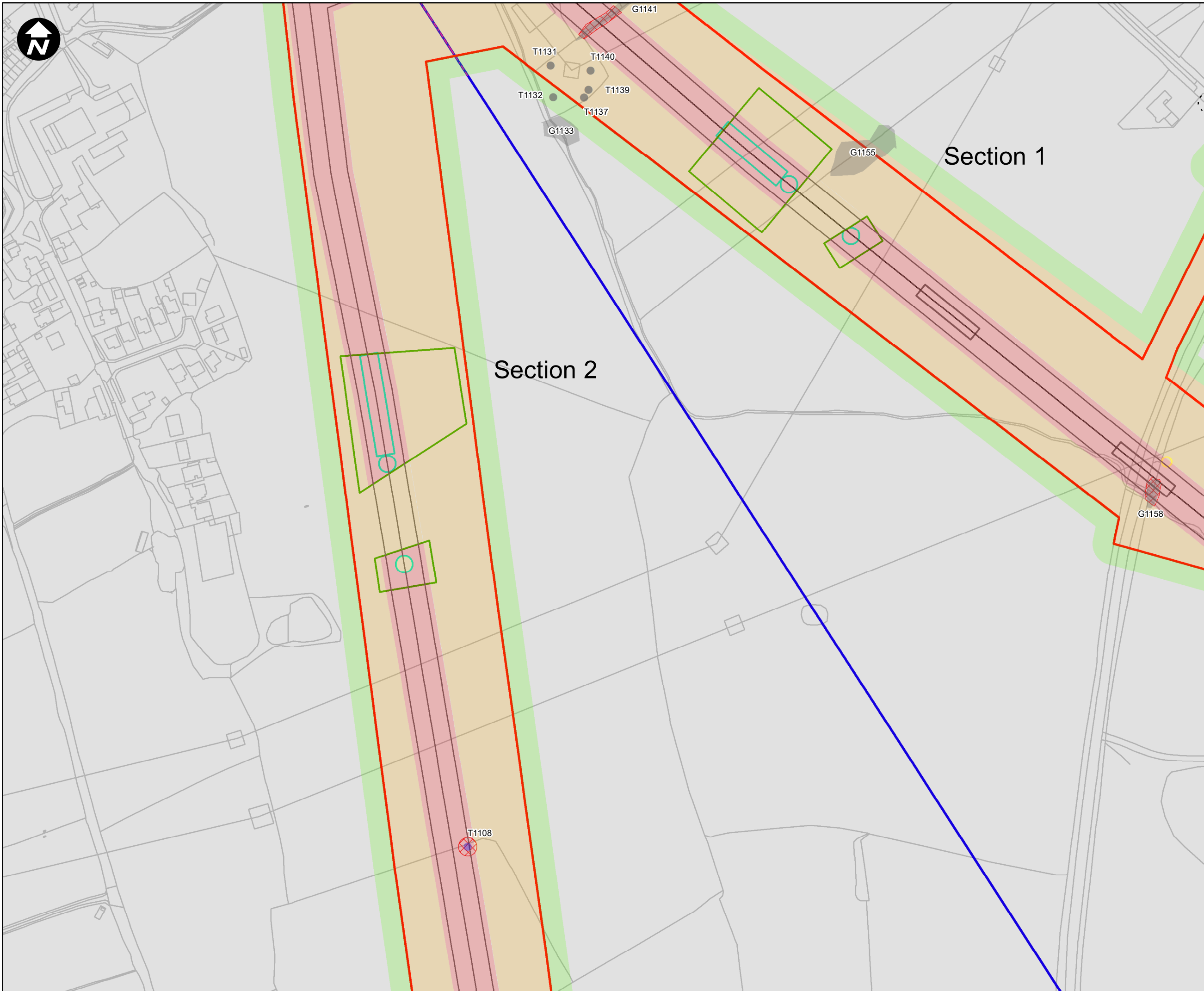
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Section 1

Section 2



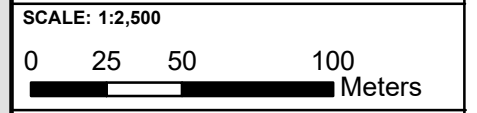
Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	 A
● B	 B
● C	 C
● U	 U

- Preliminary Removals
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

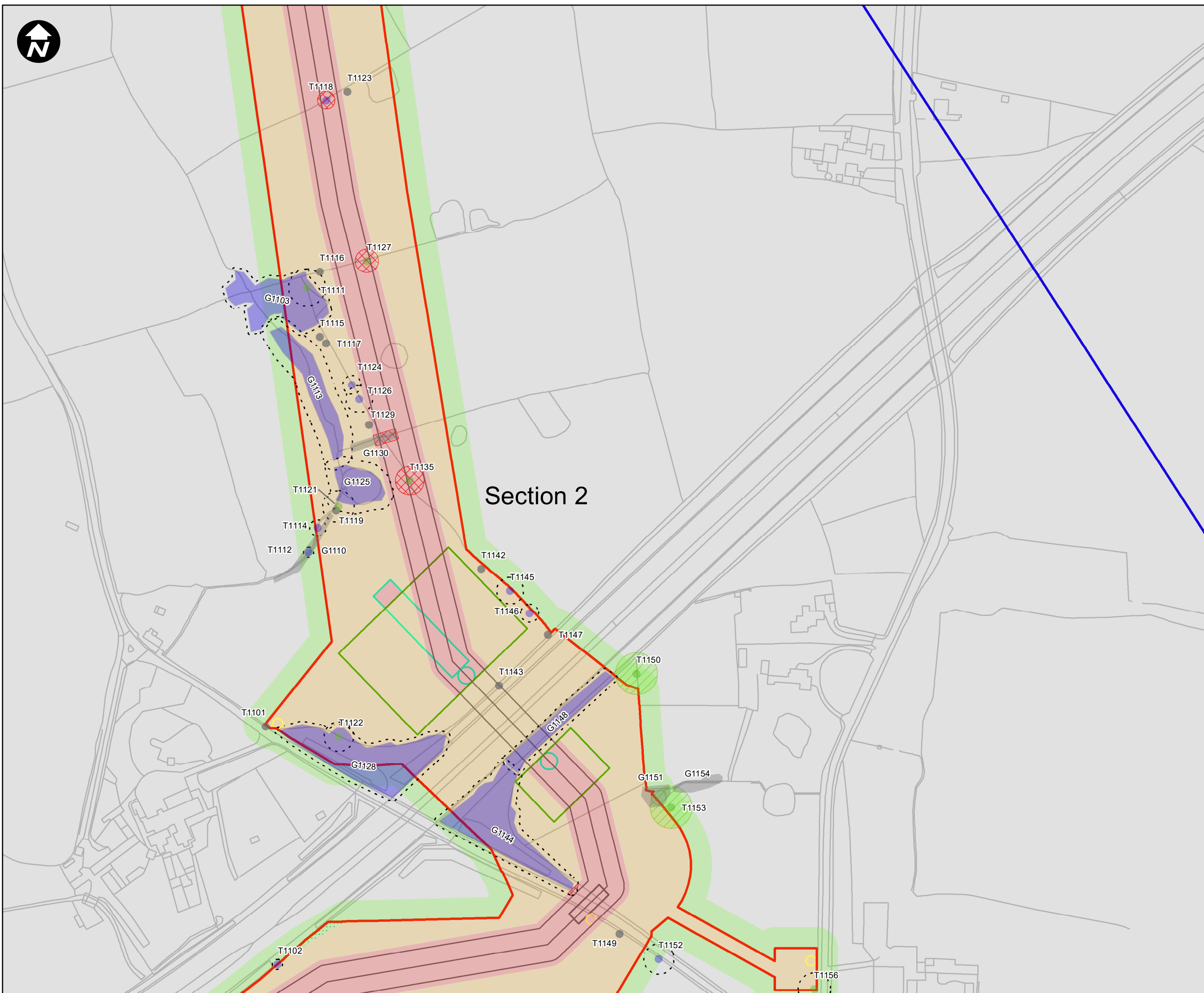
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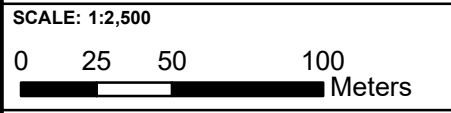
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Section 2

Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
 - A
 - B
 - C
 - U
- Preliminary Removals
- Root Protection Areas (RPA)**
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's**
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access - Existing Access Point
 - Construction Access - New Access Point
 - Localised Compound



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Page 8 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 8



Section 2



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

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

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound

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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

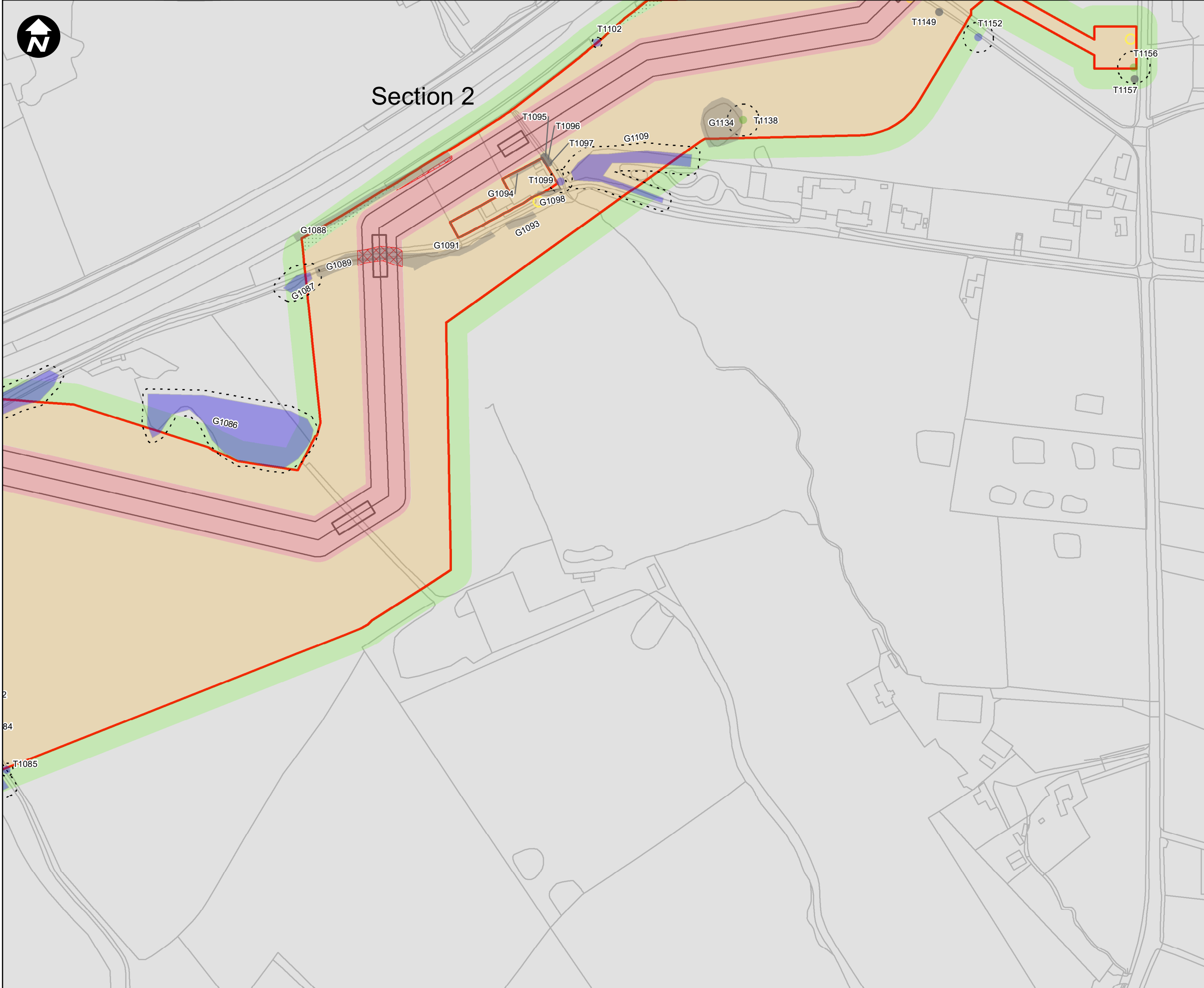
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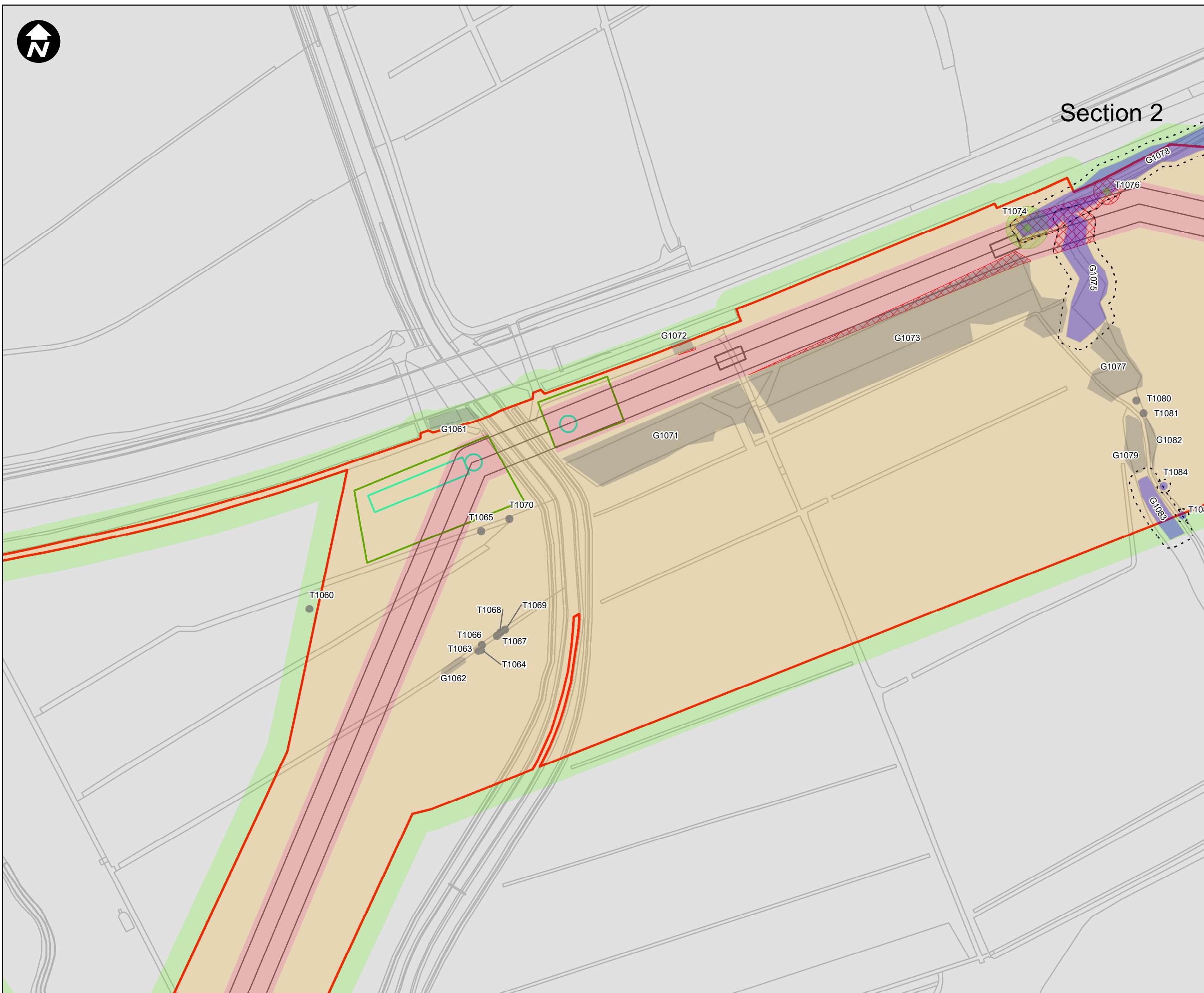
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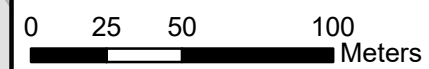
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Key:

- New Infrastructure Development Boundary
 - Areas Not Surveyed
 - Proposed Sections
- BS 5837 Tree Category Grading**
- | | |
|--|---|
| ● A | A |
| ● B | B |
| ● C | C |
| ● U | U |
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
- Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound

SCALE: 1:2,500



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

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Preliminary Constraints and Impacts Plan
Page 10 of 46

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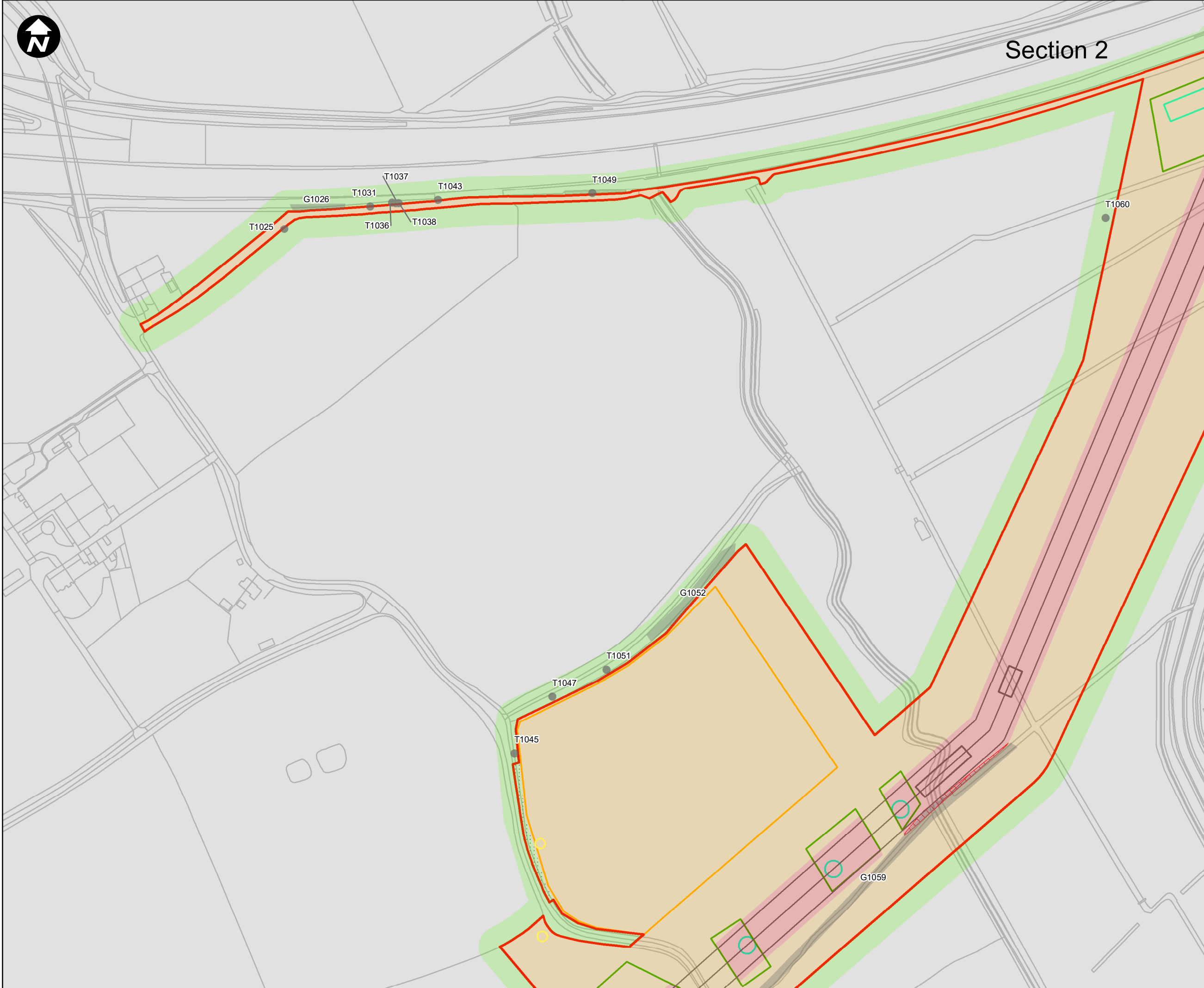
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EN070007-PA-PEI-3.1-Sheet 10



Section 2



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Preliminary Removes

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

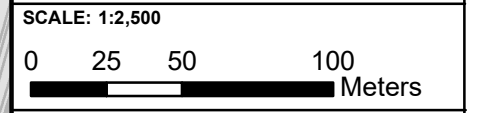
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

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Page 11 of 46

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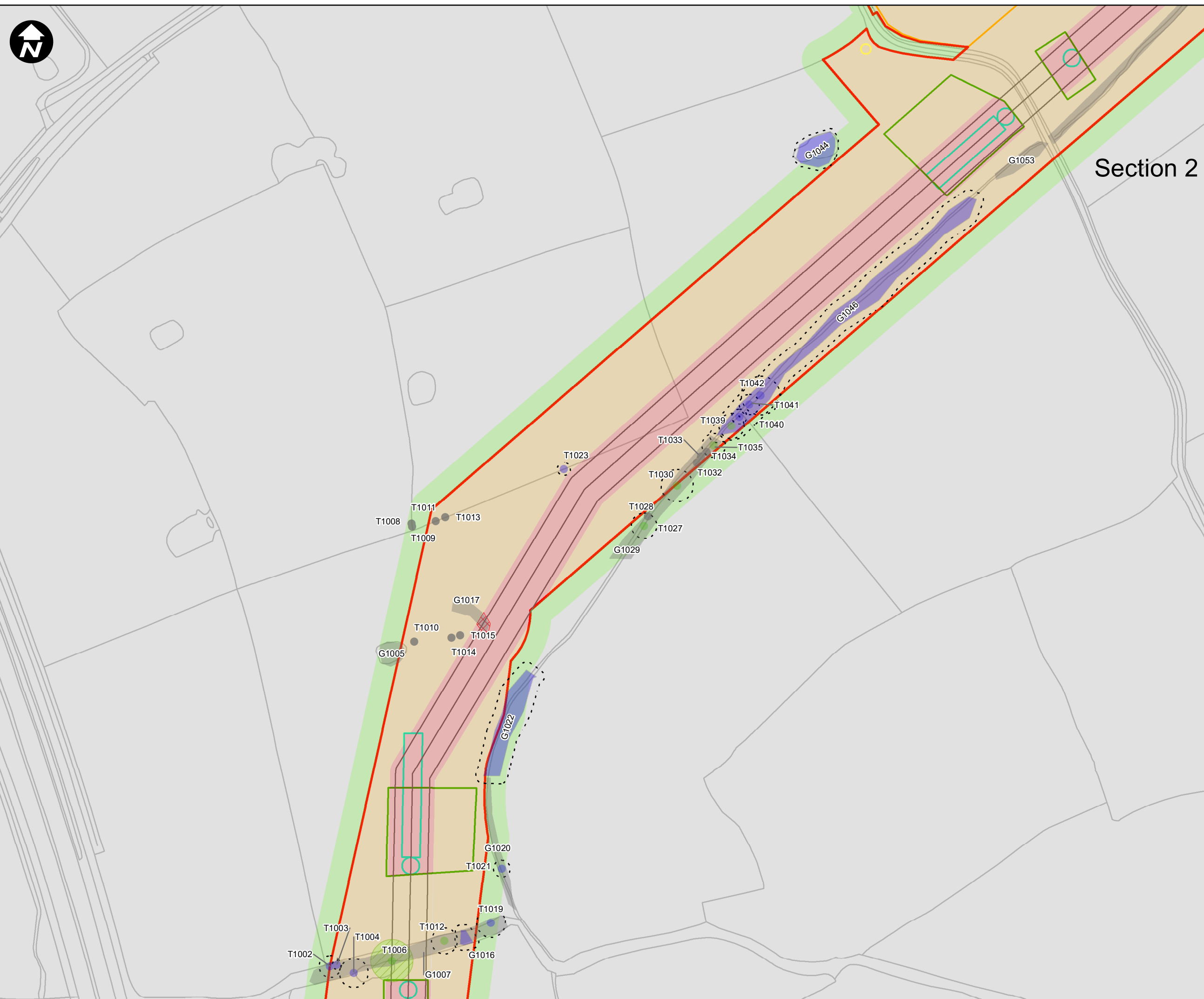
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EN070007-PA-PEI-3.1-Sheet 11



Section 2



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

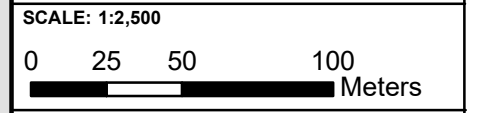
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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HyNet Carbon Dioxide Pipeline DCO

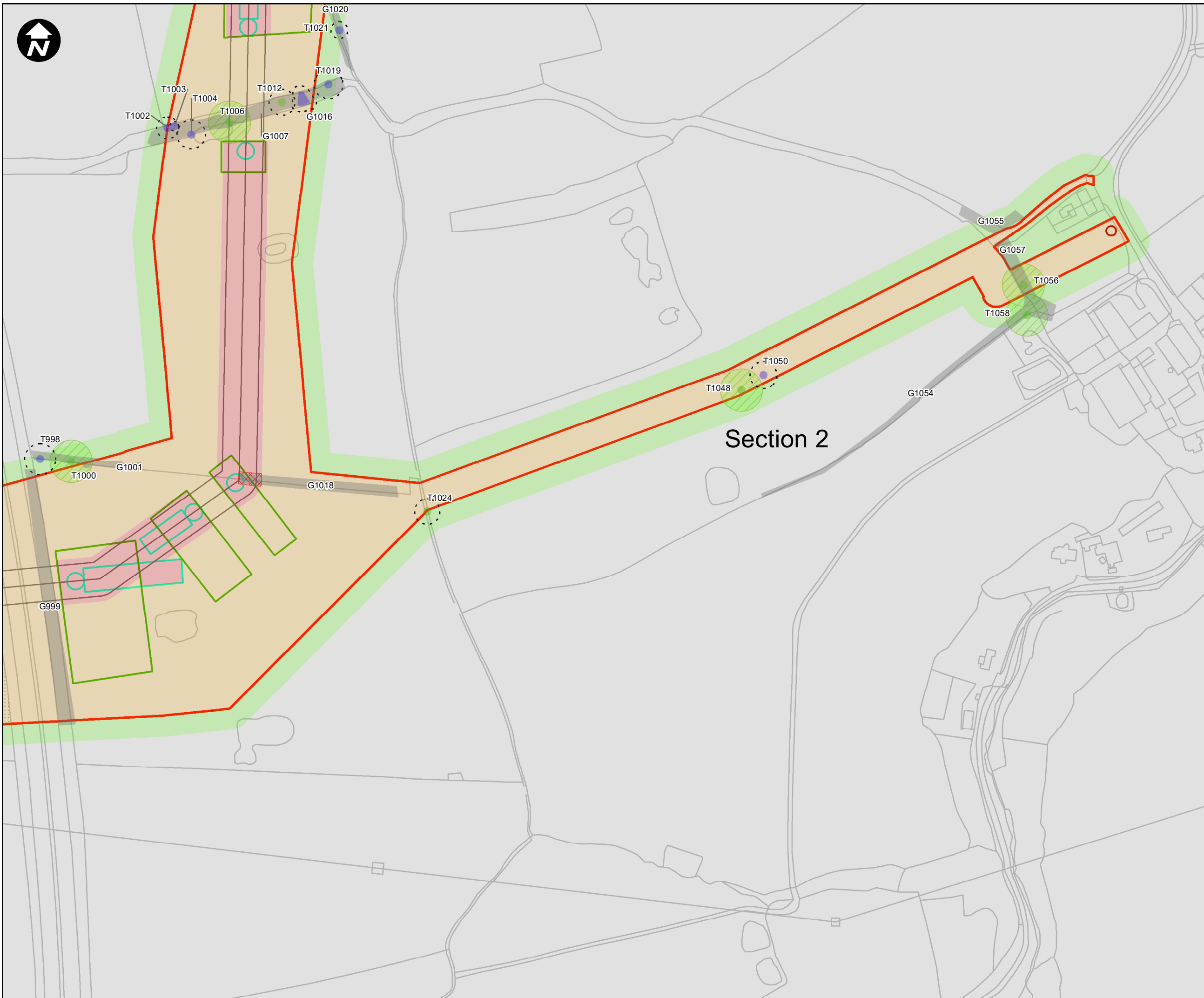
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EN070007-PA-PEI-3.1-Sheet 12



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

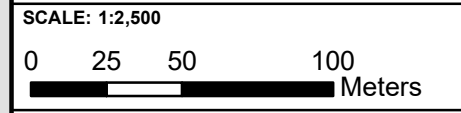
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

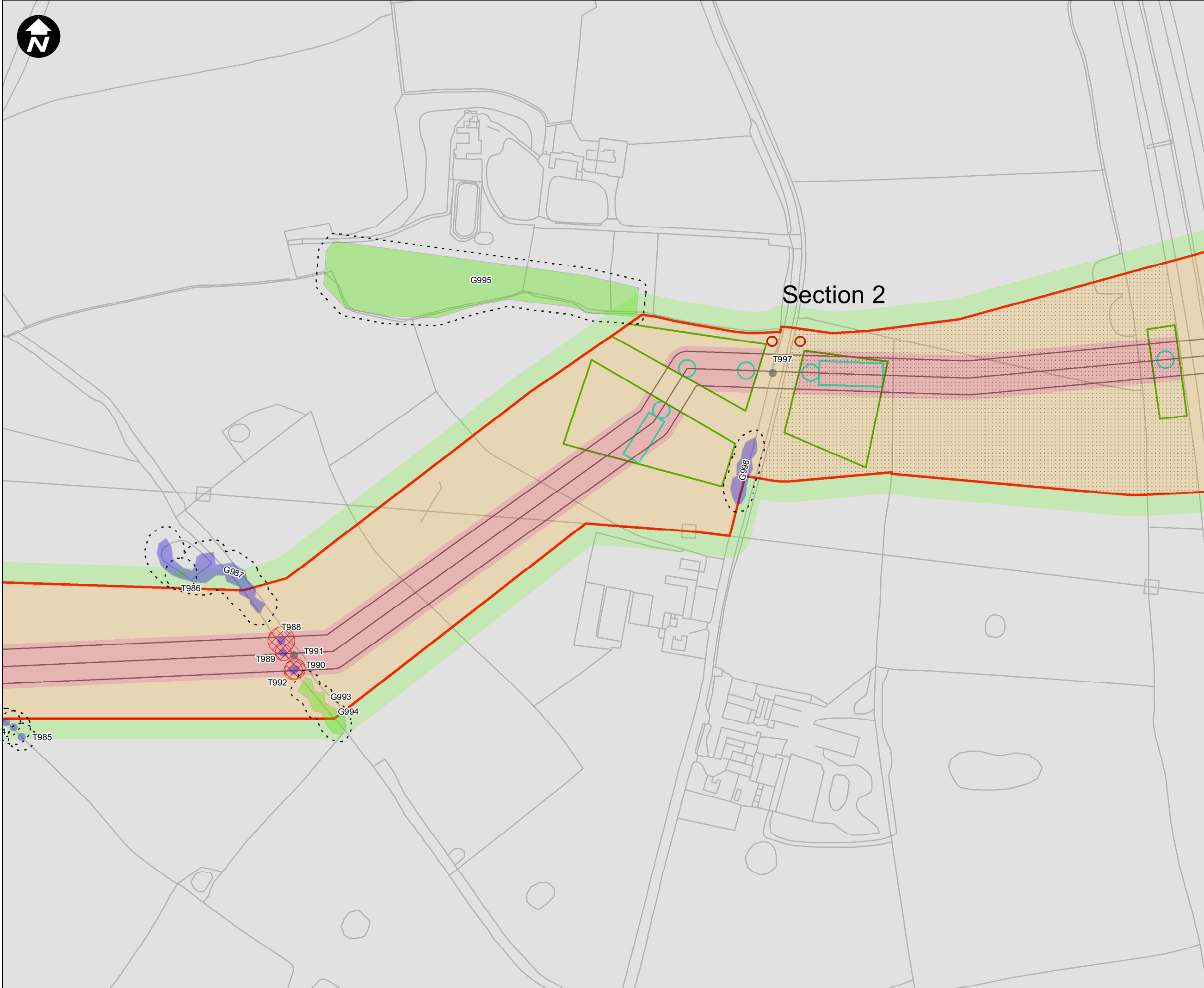
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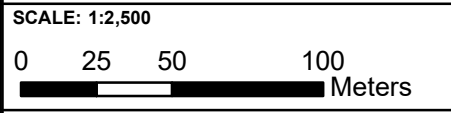
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Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A A
- B B
- C C
- U U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
- Green - Retained
- Constructions Layers**
- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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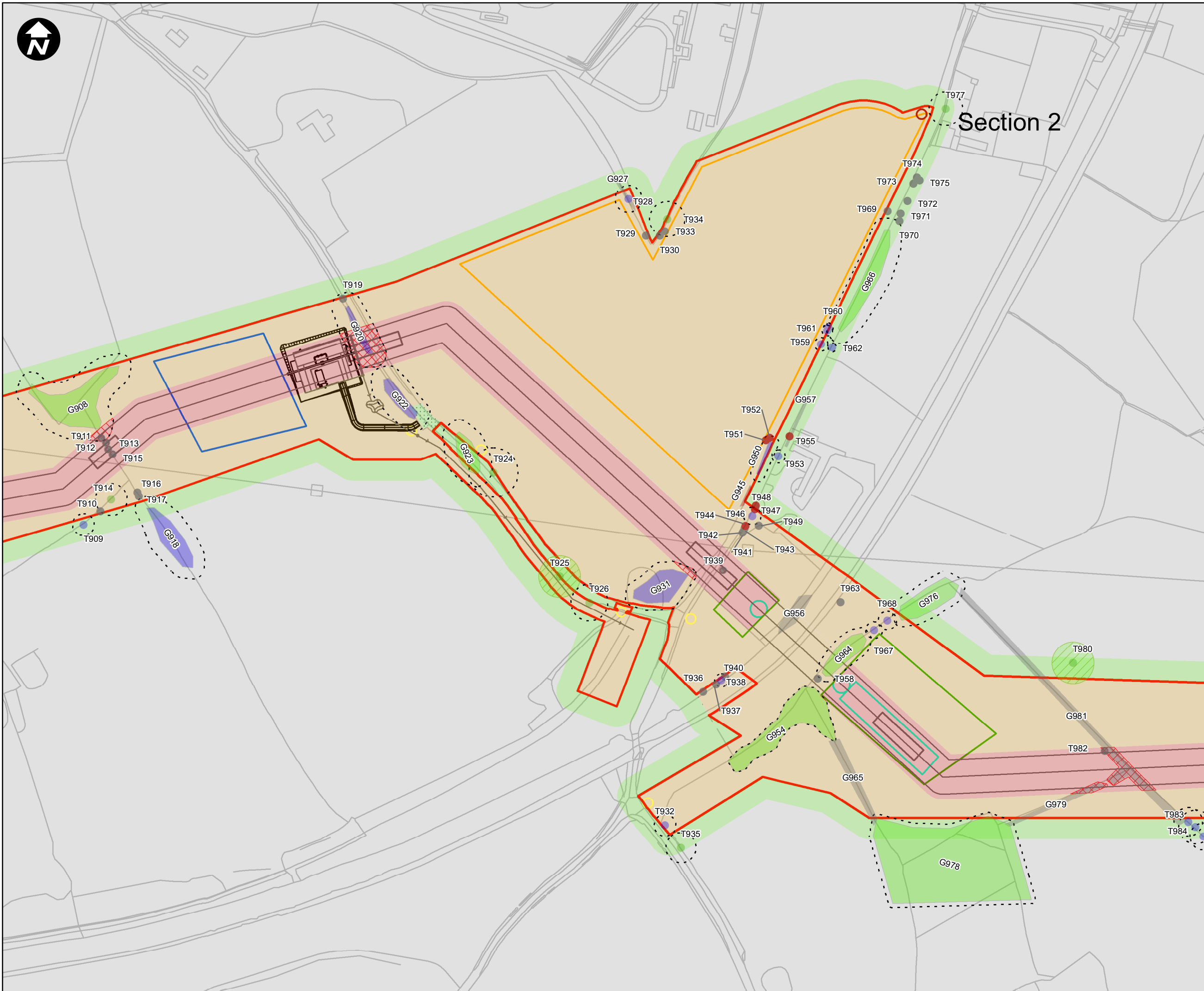
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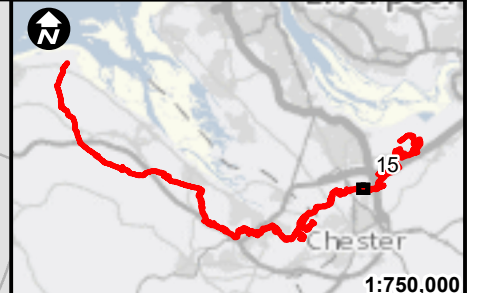
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EN070007-PA-PEI-3.1-Sheet 14



Section 2



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

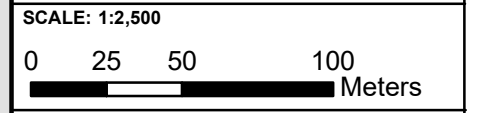
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

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Page 15 of 46

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AB	JH	MW	DC

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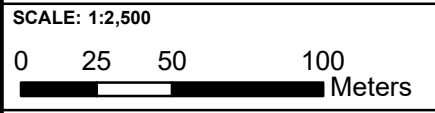
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Key:

- New Infrastructure Development Boundary
 - Areas Not Surveyed
 - Proposed Sections
- BS 5837 Tree Category Grading**
- A
 - B
 - C
 - U

- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
 - Amber - At Risk
 - Green - Retained

- Constructions Layers**
- Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access - Existing Access Point
 - Construction Access - New Access Point
 - Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

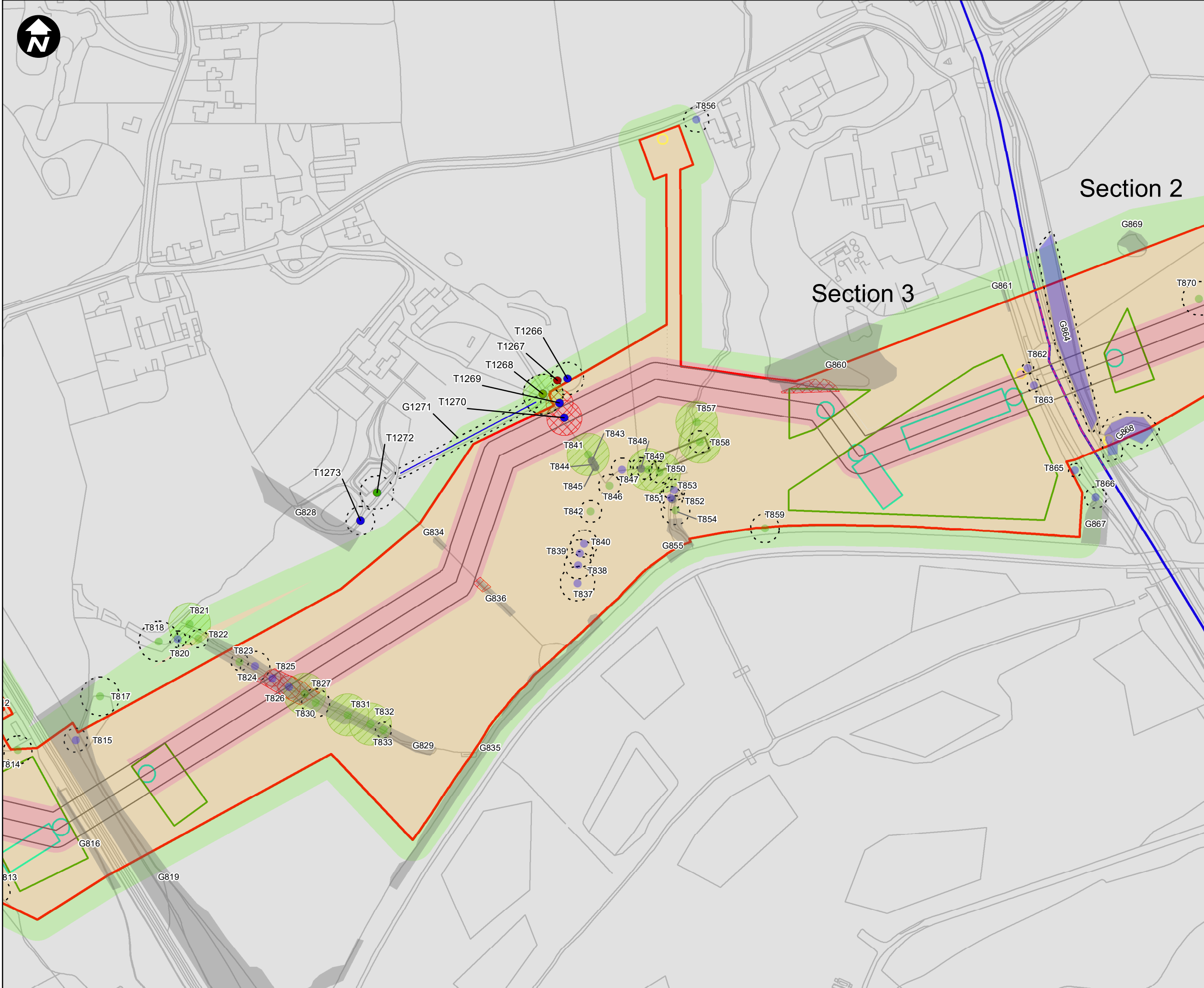
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Page 16 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 16



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A A
- B B
- C C
- U U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
- Green - Retained
- Constructions Layers**
- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound

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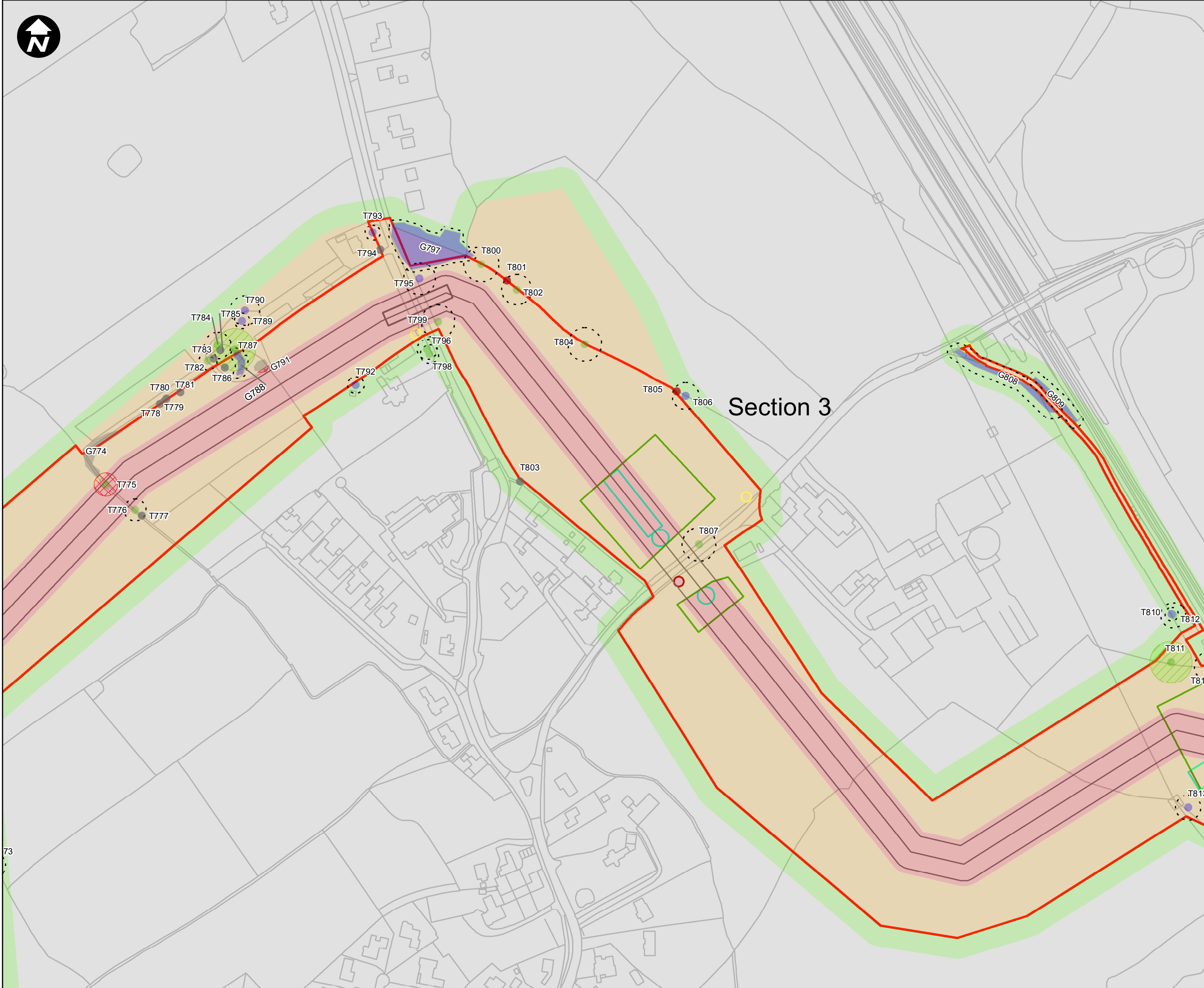
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Page 17 of 46

DRAWING STATUS
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DRAWING NUMBER
EN070007-PA-PEI-3.1-Sheet 17



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	 A
● B	 B
● C	 C
● U	 U

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

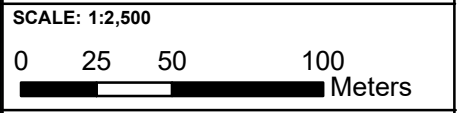
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

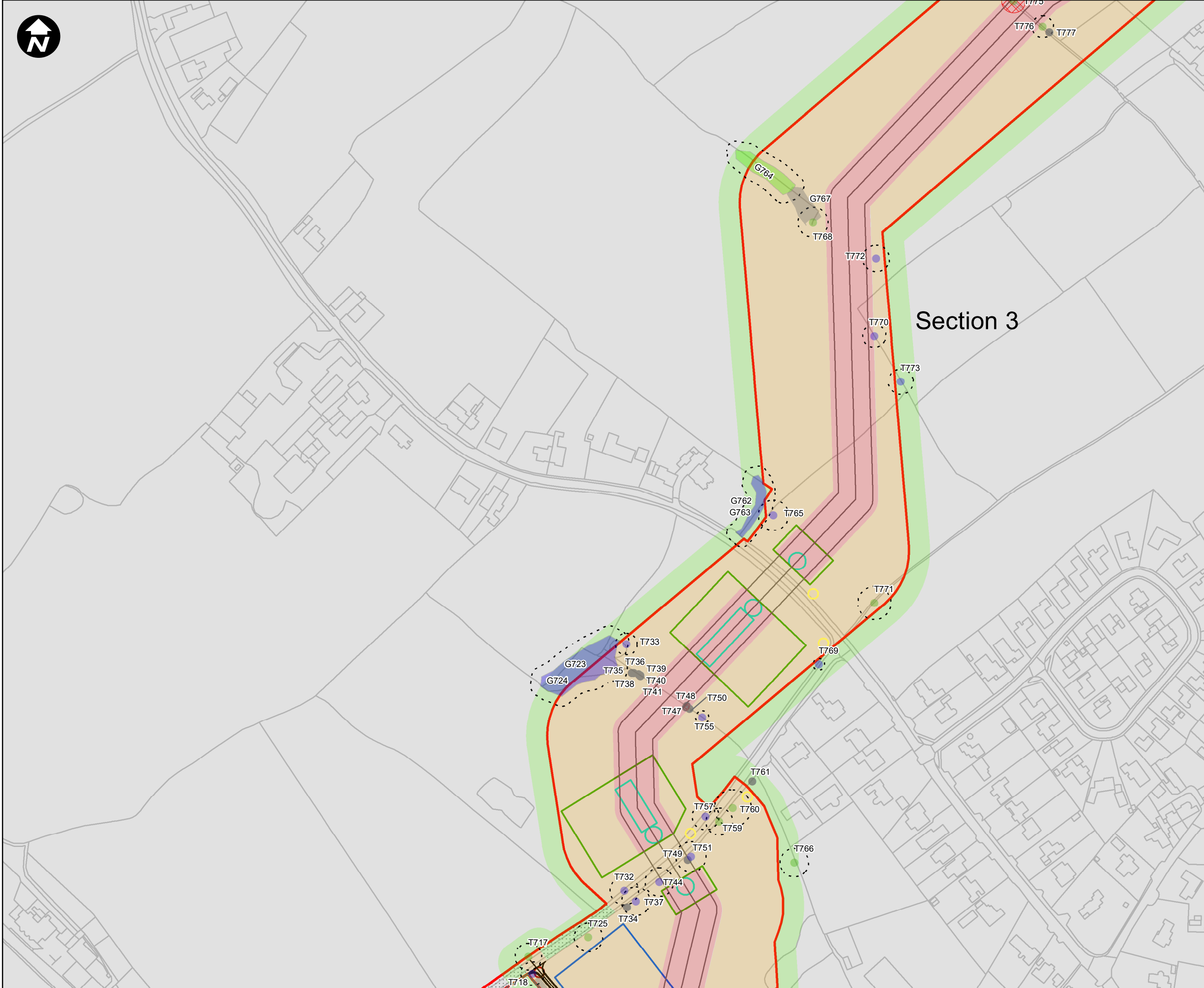
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Page 18 of 46**

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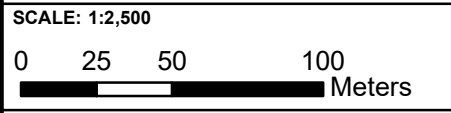
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EN070007-PA-PEI-3.1-Sheet 18



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A
- B
- C
- U
- A
- B
- C
- U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
- Green - Retained
- Constructions Layers**
- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

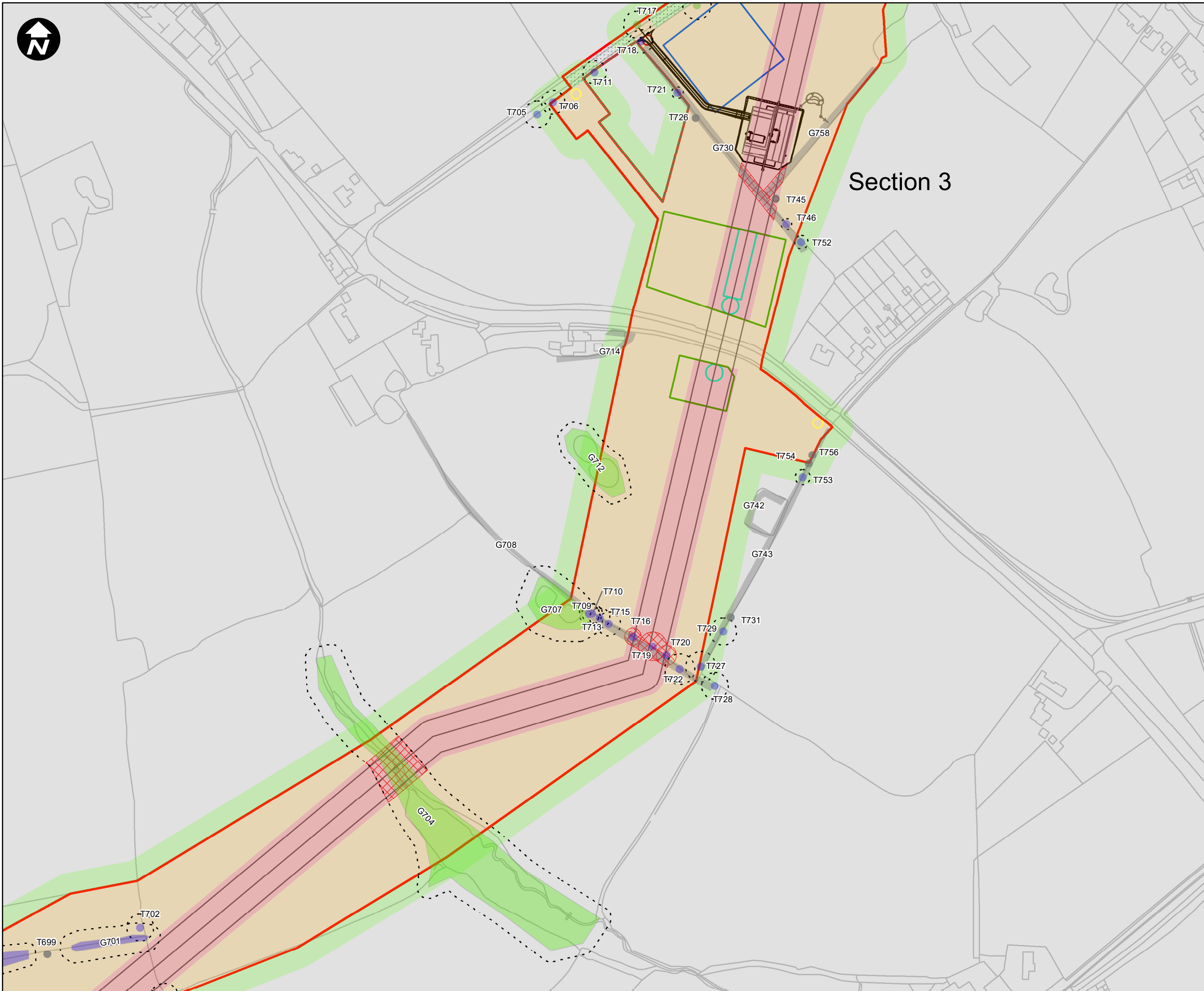
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Page 19 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 19



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Preliminary Removes

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

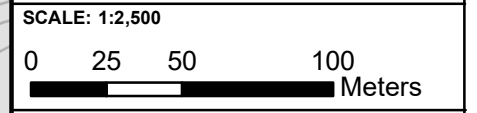
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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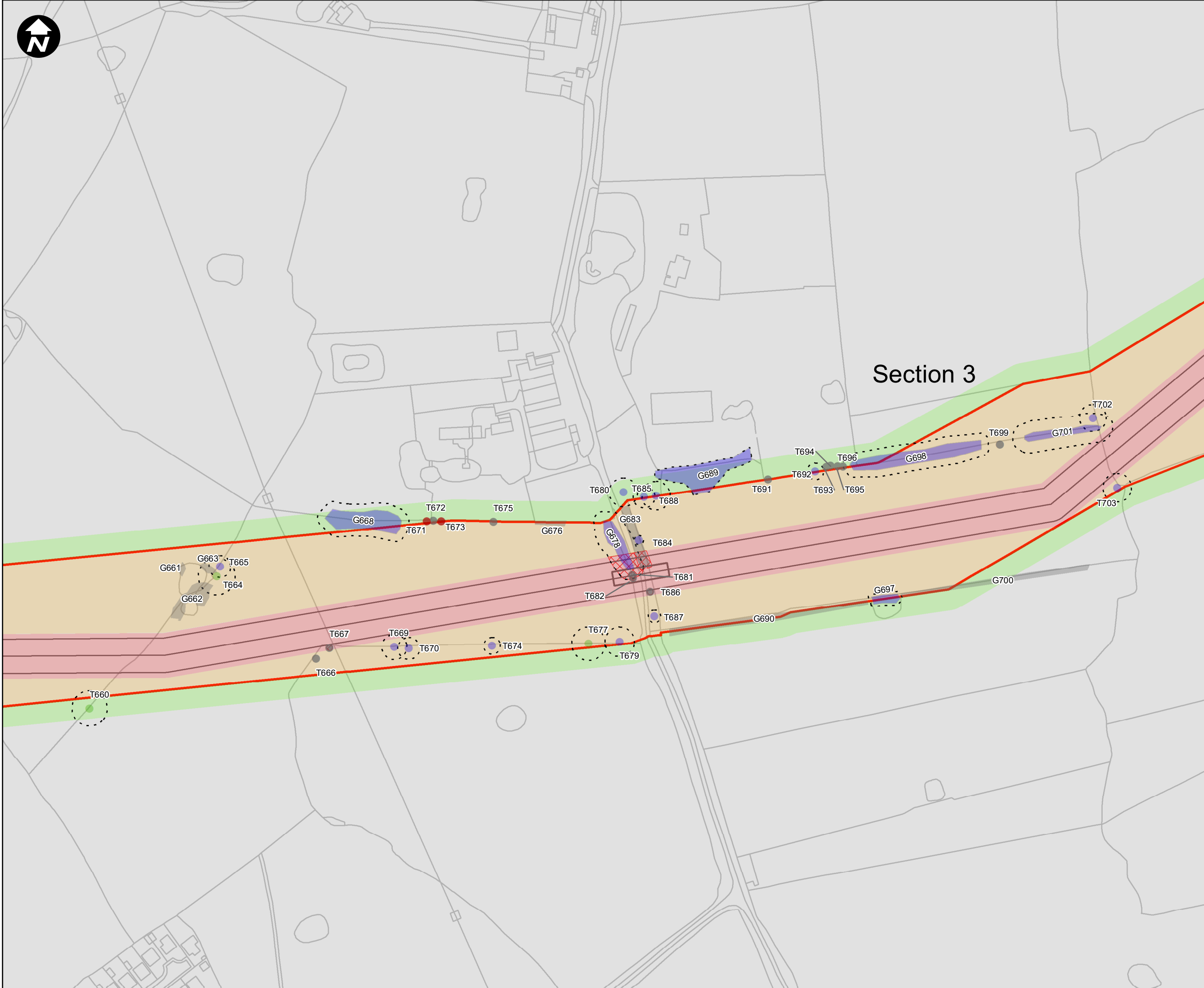
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Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
 - A
 - B
 - C
 - U
- Preliminary Removals
- Root Protection Areas (RPA)**
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's**
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound

Section 3



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HyNet Carbon Dioxide Pipeline DCO

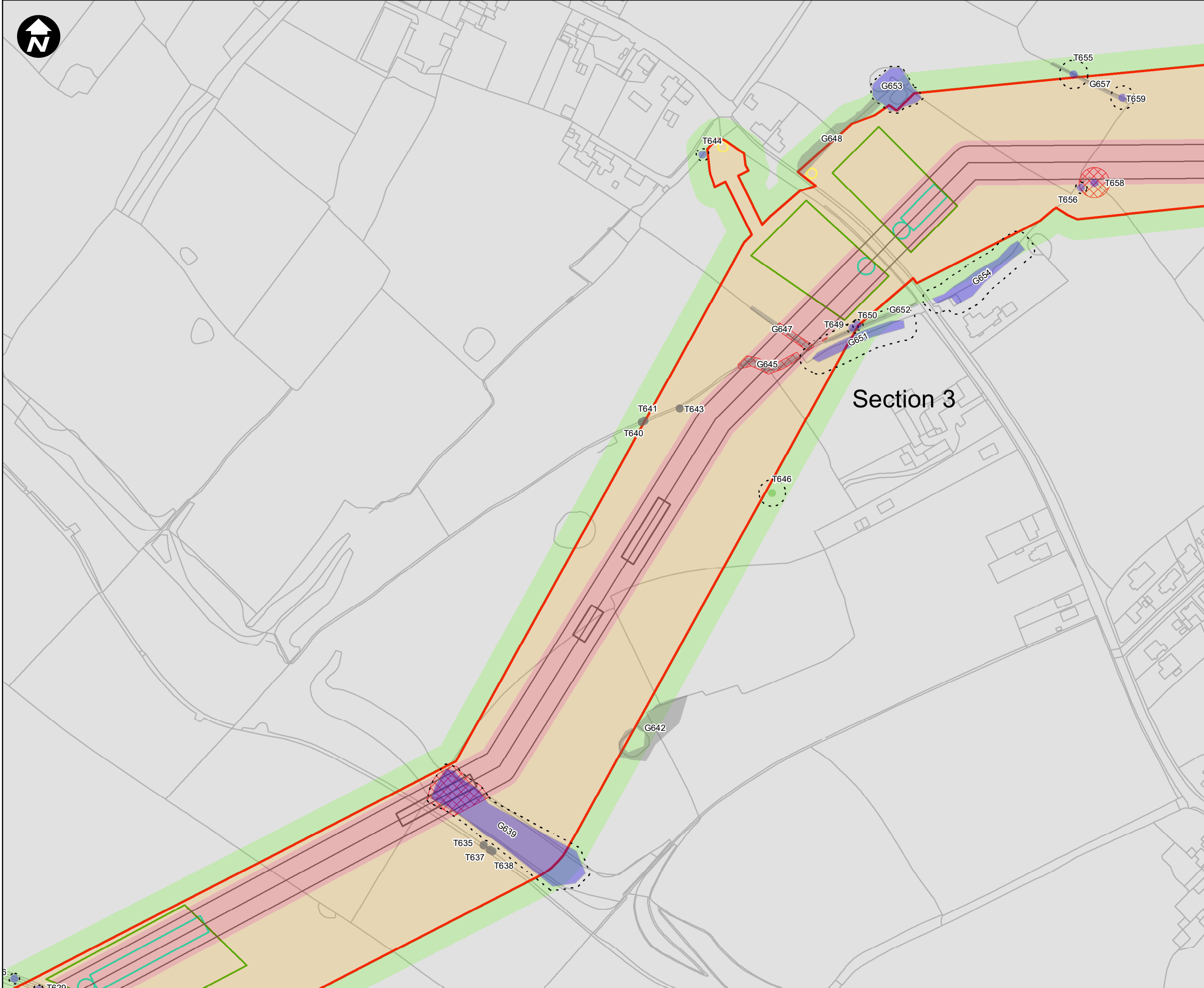
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EN070007-PA-PEI-3.1-Sheet 21



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

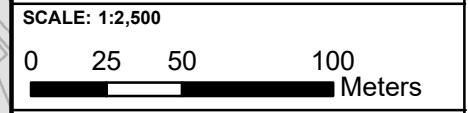
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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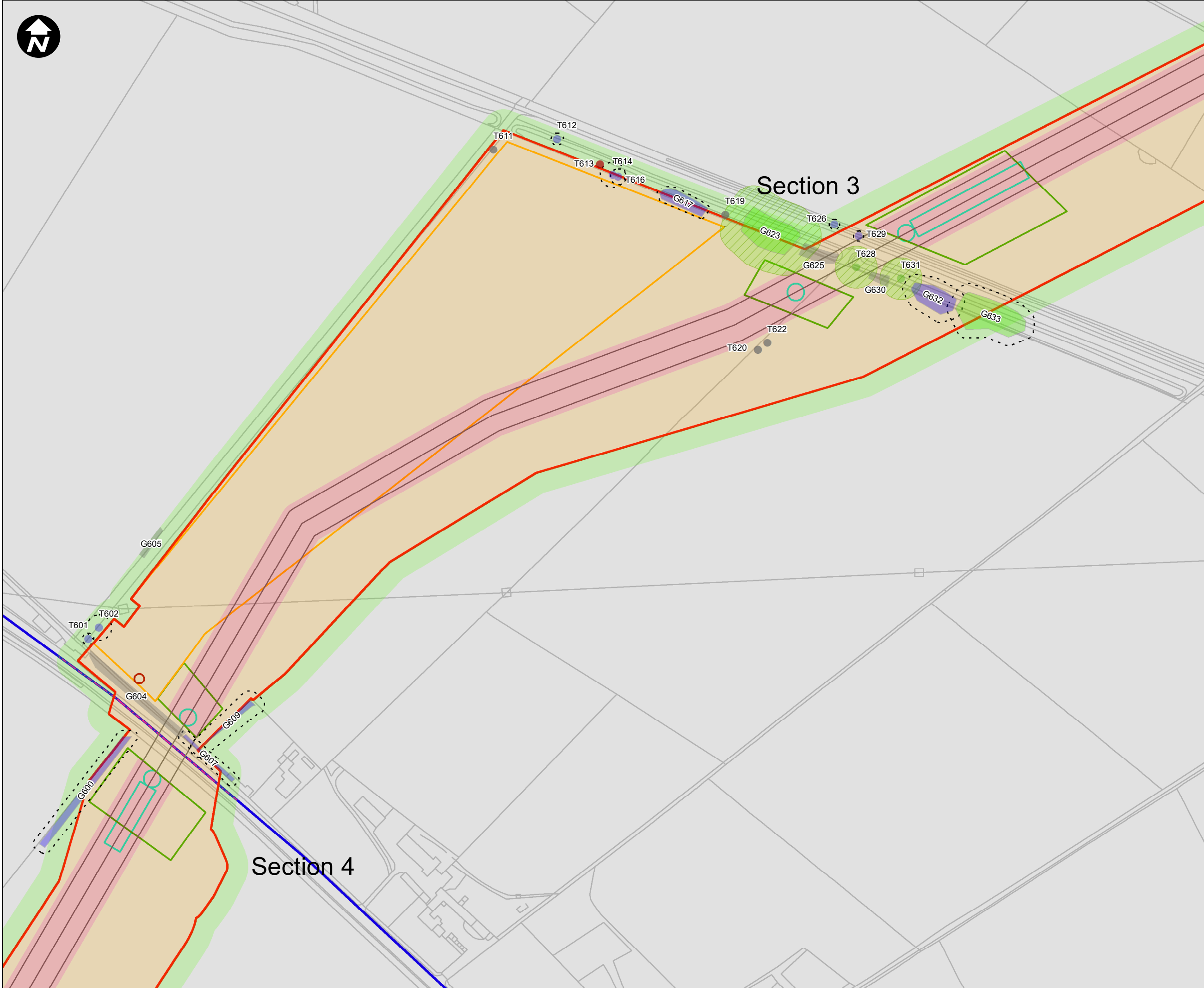
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Page 22 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 22



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Preliminary Removals

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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DRAWING STATUS
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Section 3

Section 4



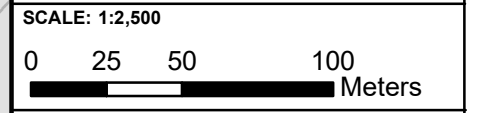
Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	■ A
● B	■ B
● C	■ C
● U	■ U

- Preliminary Removals
- Root Protection Areas (RPA)
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

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 EN070007-PA-PEI-3.1-Sheet 24





Section 4



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

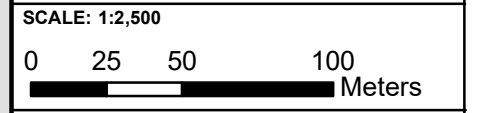
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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PROJECT TITLE
 HyNet Carbon Dioxide Pipeline DCO

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 Preliminary Constraints and Impacts Plan
 Page 25 of 46

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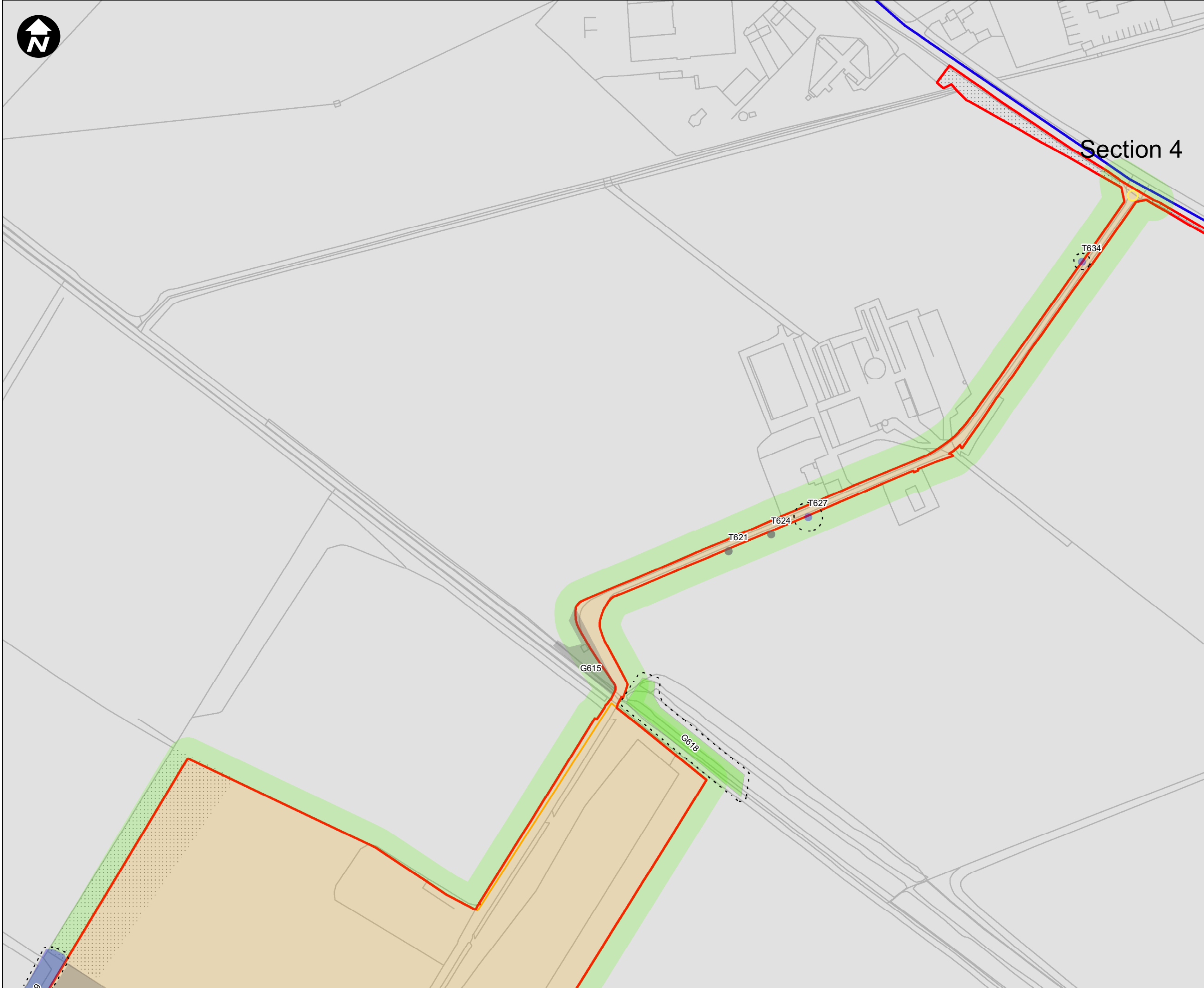
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 EN070007-PA-PEI-3.1-Sheet 25



Section 4



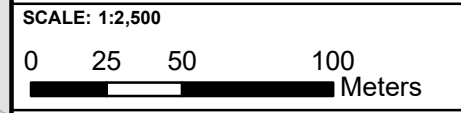
Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	■ A
● B	■ B
● C	■ C
● U	■ U

- Preliminary Removals
- Root Protection Areas (RPA)
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers
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 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

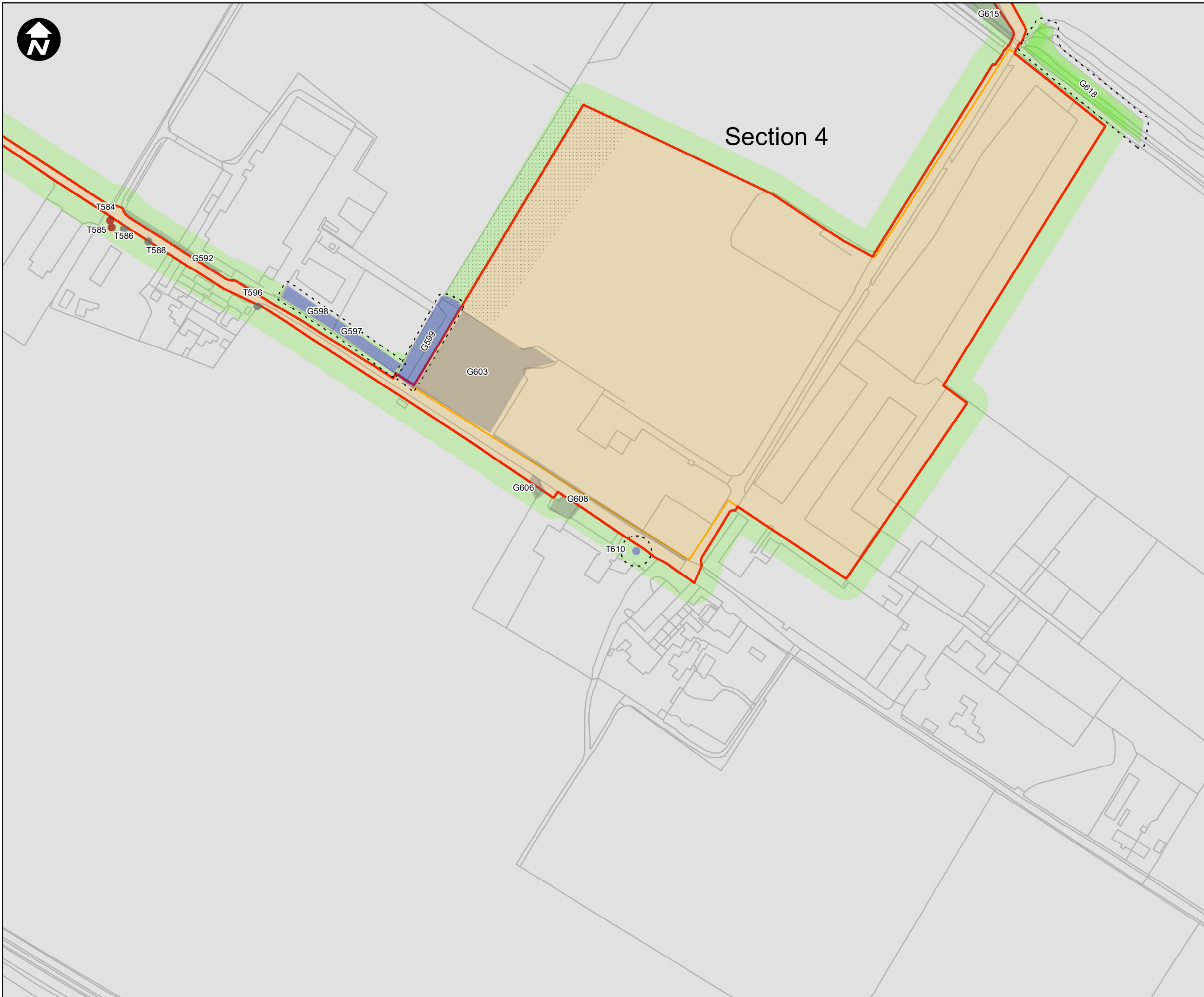
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Page 26 of 46**

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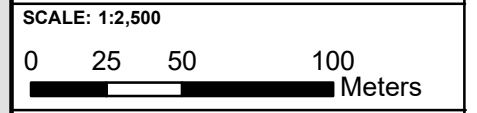
Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removes
- Root Protection Areas (RPA)**
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's**
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers**
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access - Existing Access Point
 - Construction Access - New Access Point
 - Localised Compound



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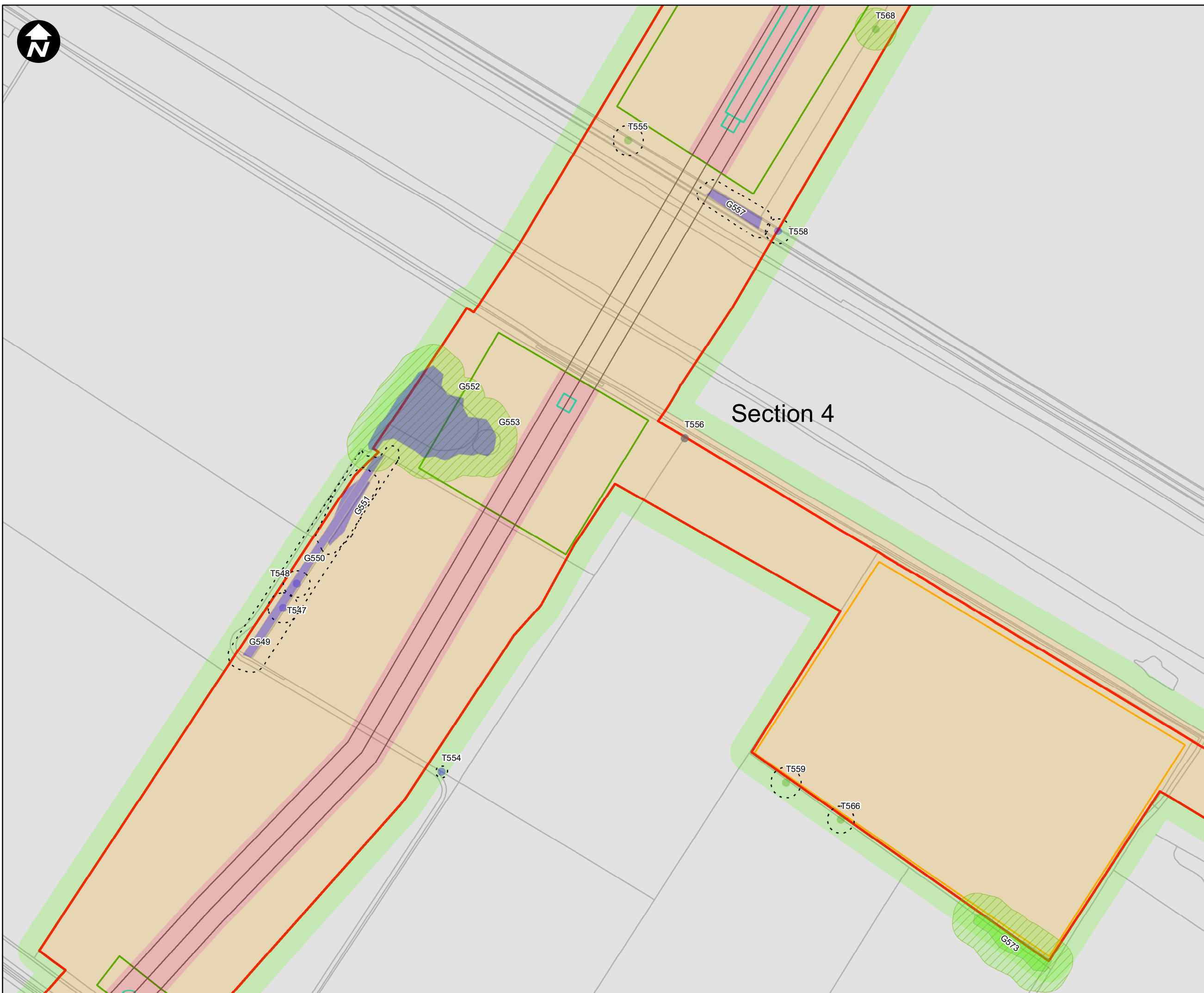
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EN070007-PA-PEI-3.1-Sheet 27



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

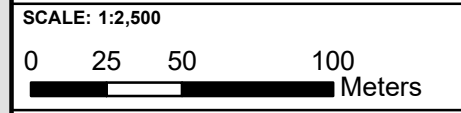
Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound

Section 4



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Page 28 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 28



Section 4



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A
- B
- C
- U
- A
- B
- C
- U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
- Green - Retained
- Constructions Layers**
- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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HyNet Carbon Dioxide Pipeline DCO

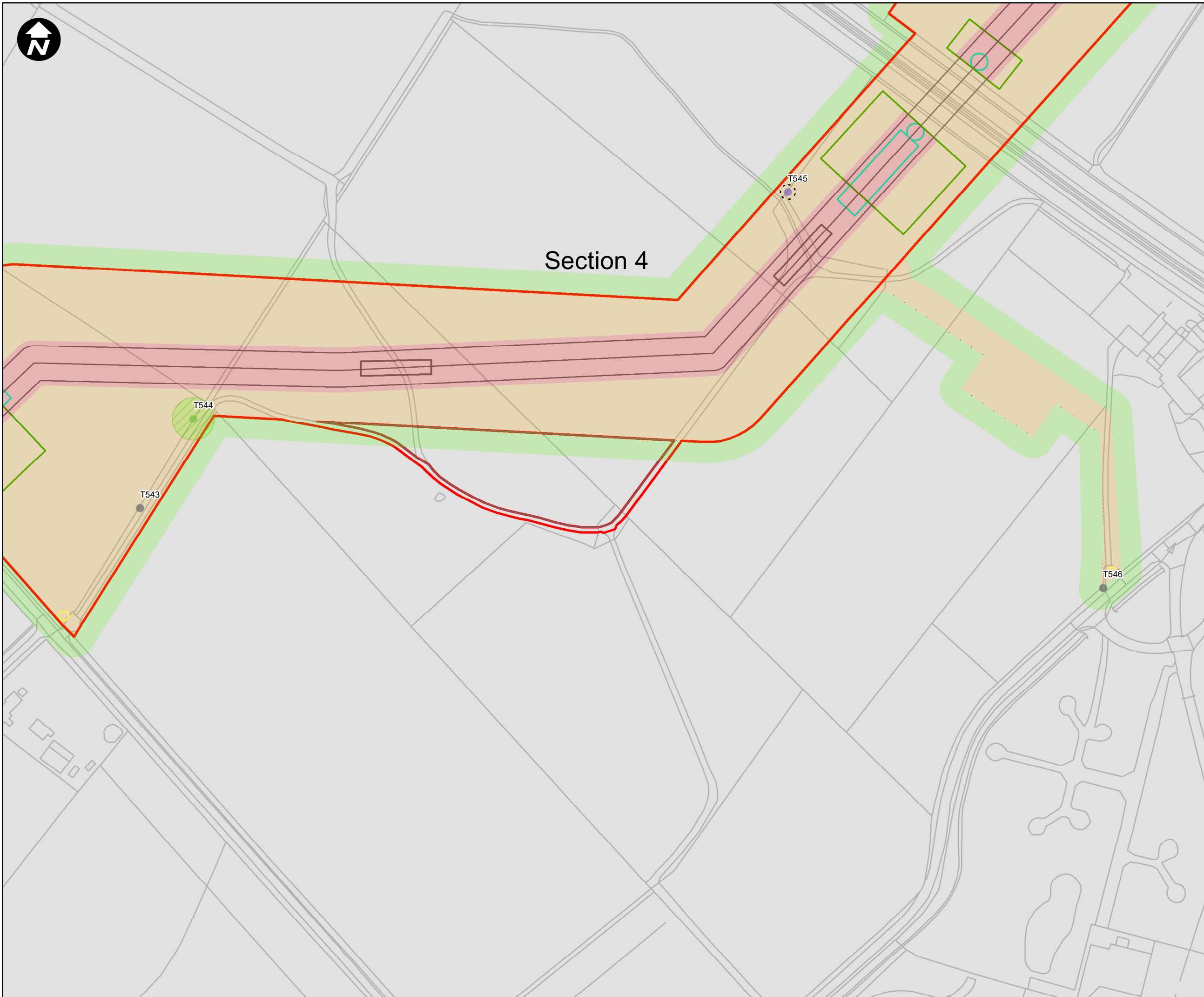
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Page 29 of 46**

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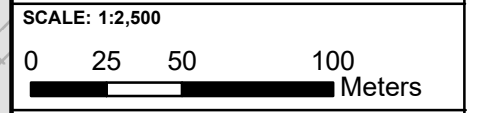
Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	■ A
● B	■ B
● C	■ C
● U	■ U

- Preliminary Removals
- Root Protection Areas (RPA)
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment
 - Red - Removed
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- Constructions Layers
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 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

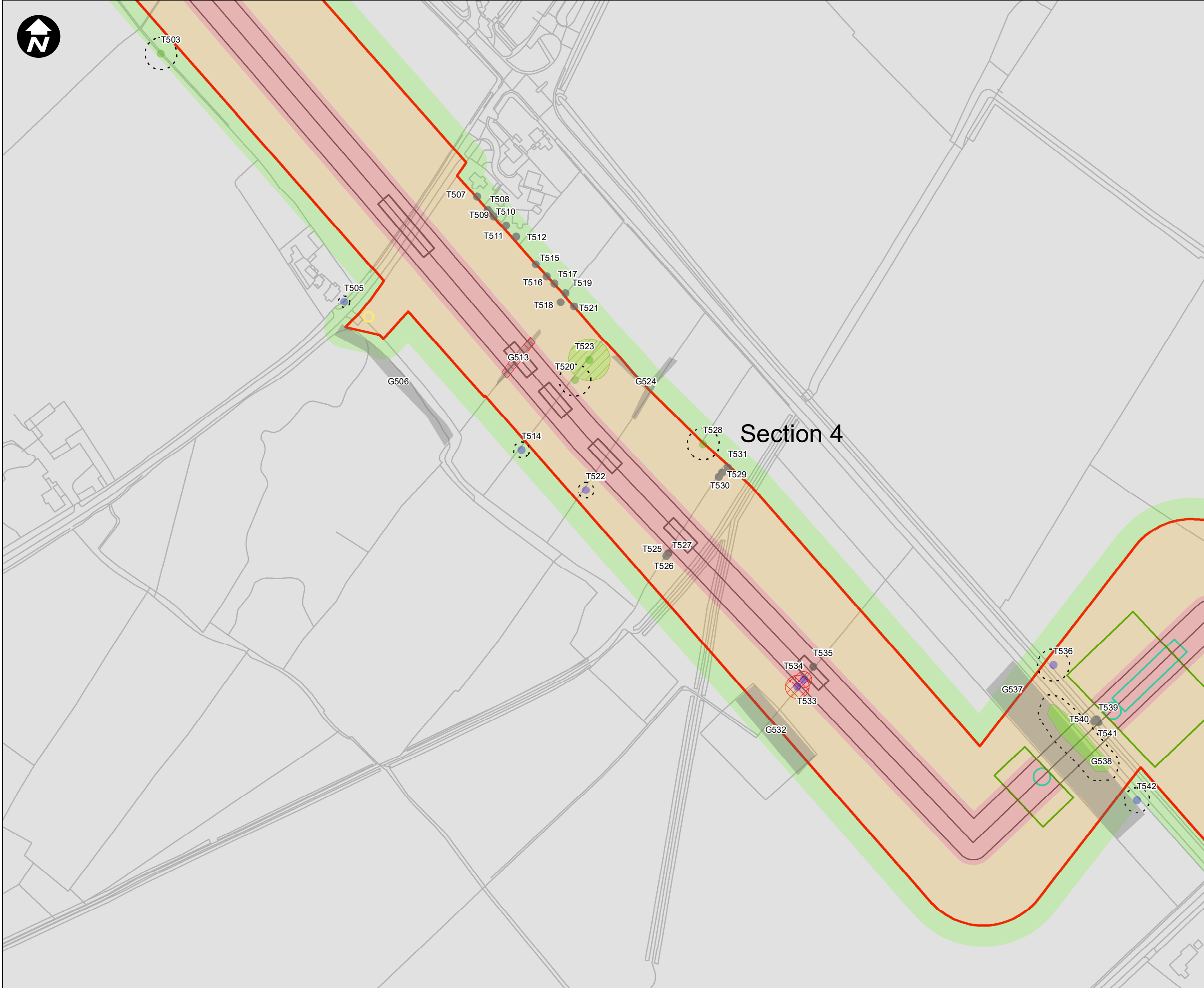
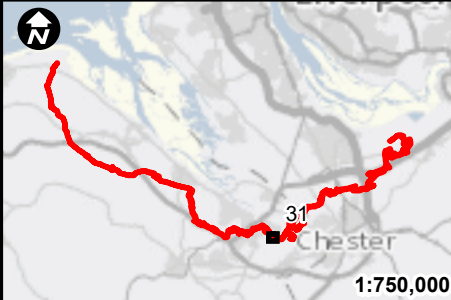
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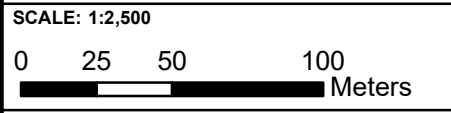
- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removals
- Root Protection Areas (RPA)
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access - Existing Access Point
 - Construction Access - New Access Point
 - Localised Compound

Section 4



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HyNet Carbon Dioxide Pipeline DCO

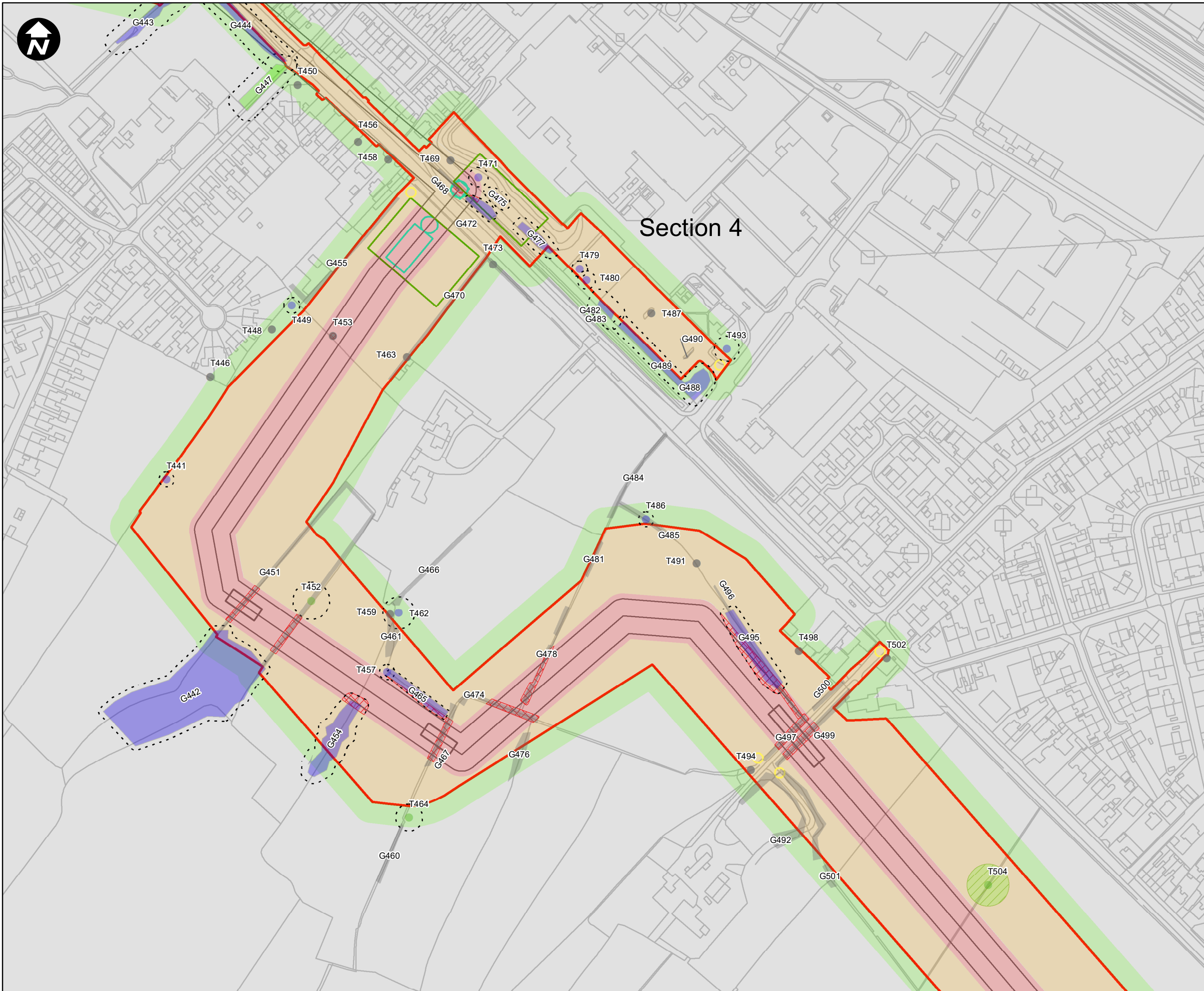
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Page 31 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 31



Section 4



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

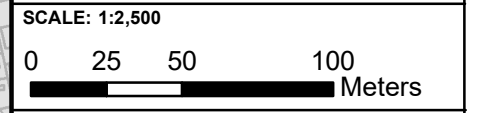
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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PROJECT TITLE
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**Preliminary Constraints and Impacts Plan
Page 32 of 46**

DRAWING STATUS
UPDATE FOLLOWING DCO HEARING

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SCALE @ A3 SIZE	DATE	REVISION
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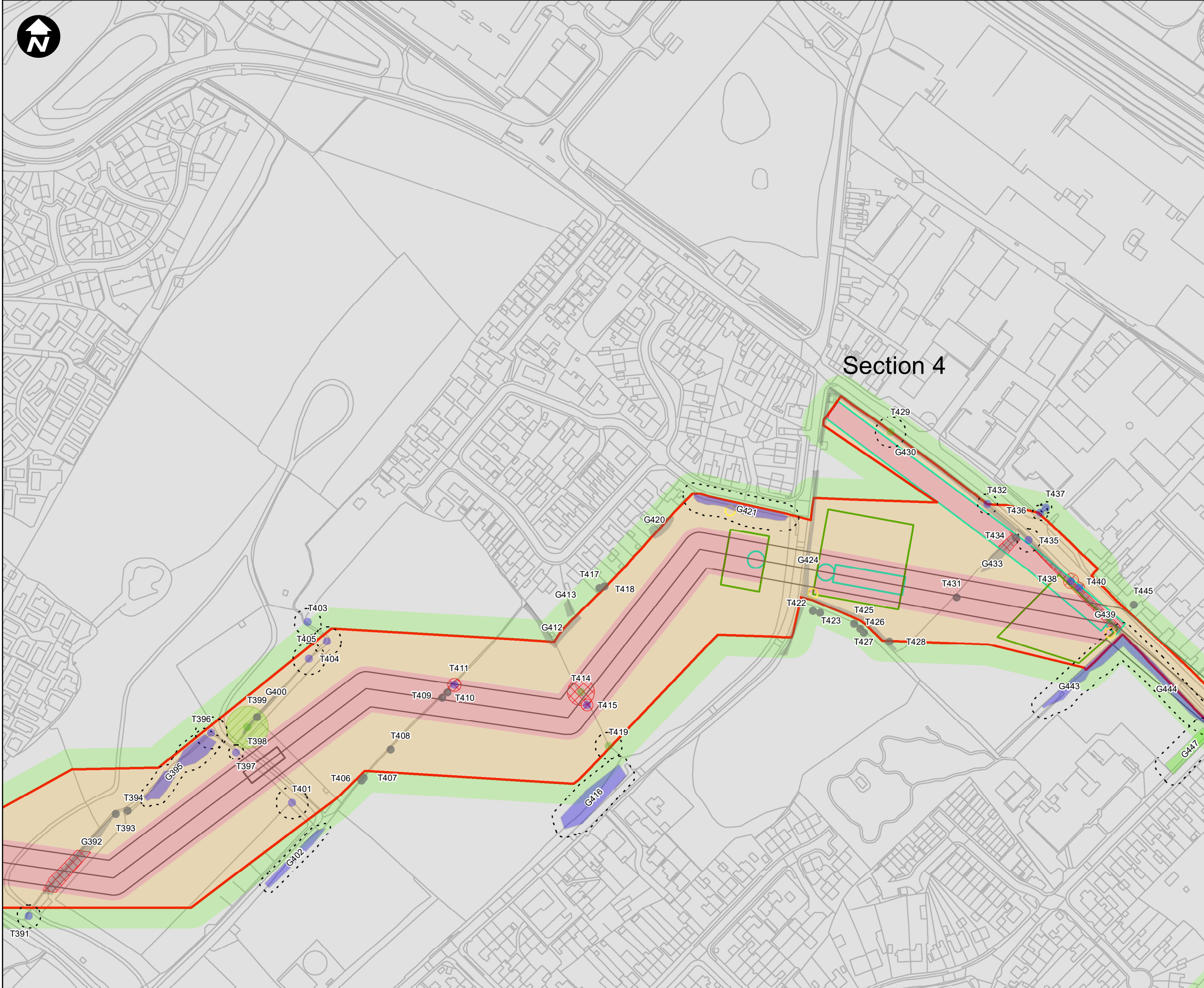
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Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A
- B
- C
- U
- A
- B
- C
- U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
- Green - Retained
- Constructions Layers**
- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound

Section 4



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PROJECT TITLE
HyNet Carbon Dioxide Pipeline DCO

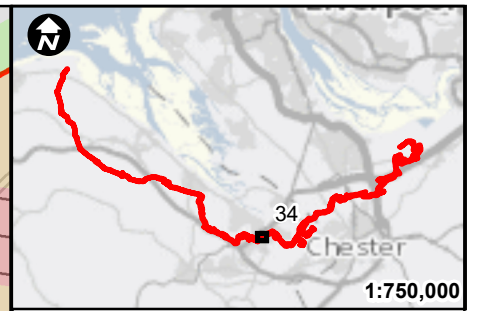
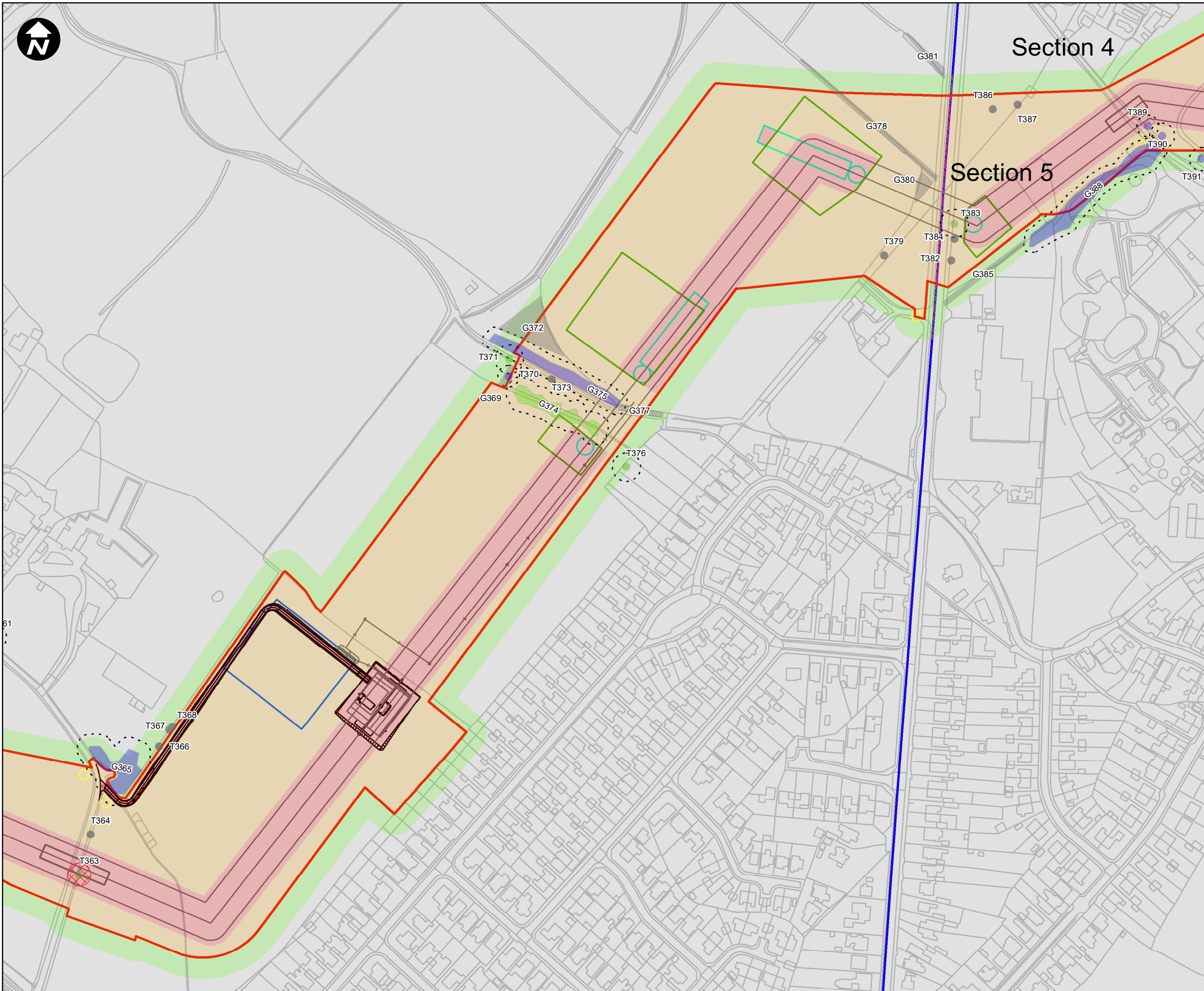
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 EN070007-PA-PEI-3.1-Sheet 33



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

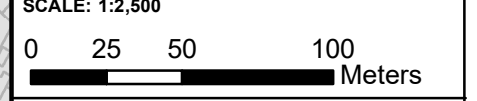
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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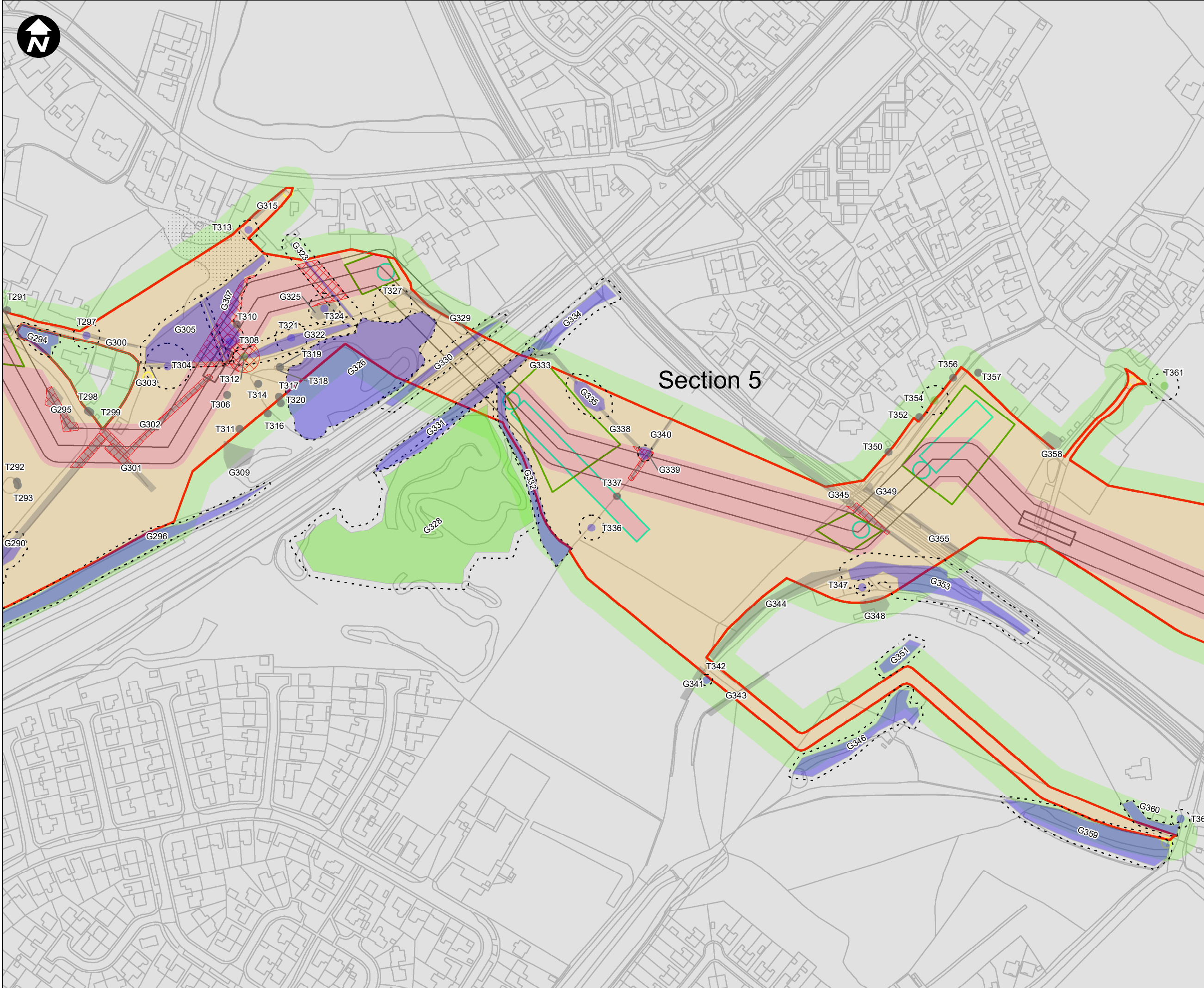
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 EN070007-PA-PEI-3.1-Sheet 34



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Preliminary Removes

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

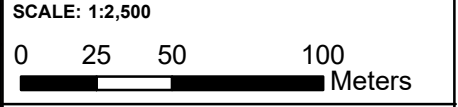
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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**Preliminary Constraints and Impacts Plan
Page 35 of 46**

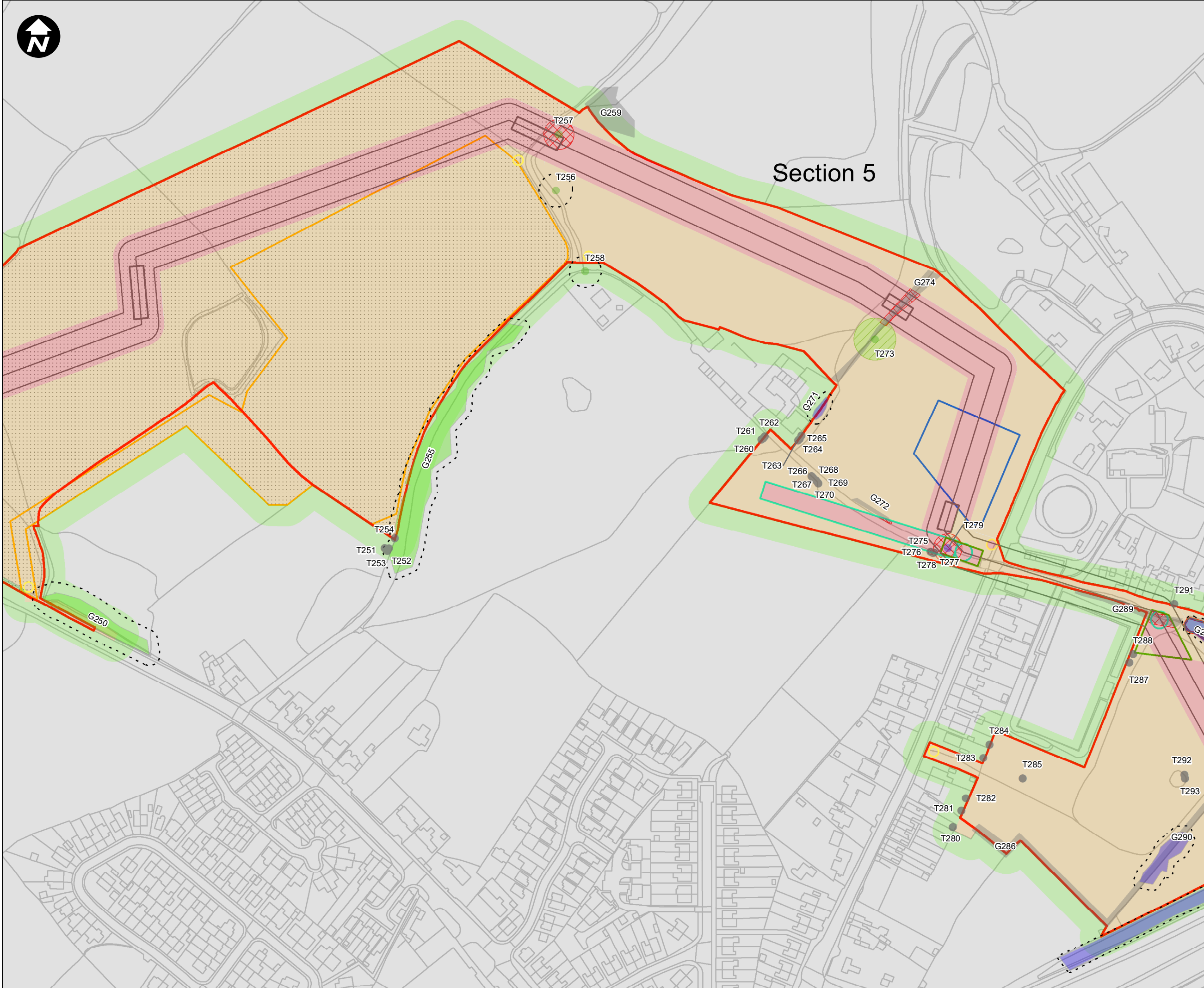
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EN070007-PA-PEI-3.1-Sheet 35



Section 5



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

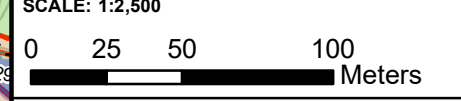
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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Page 36 of 46

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SCALE @ A3 SIZE	DATE	REVISION
1:2,500	16/06/2023	C

DRAWING NUMBER
EN070007-PA-PEI-3.1-Sheet 36



Section 5

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Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound

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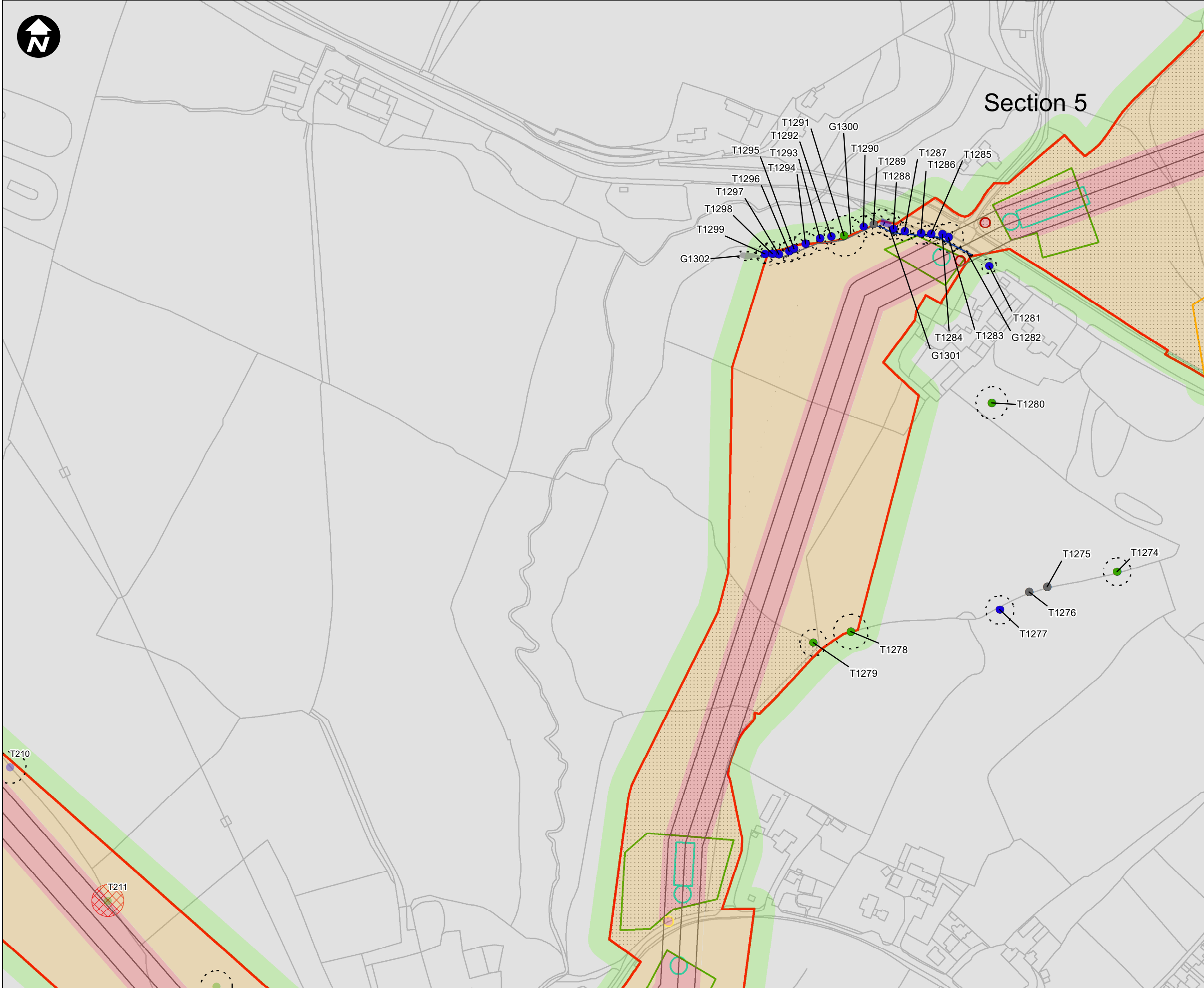
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Page 37 of 46**

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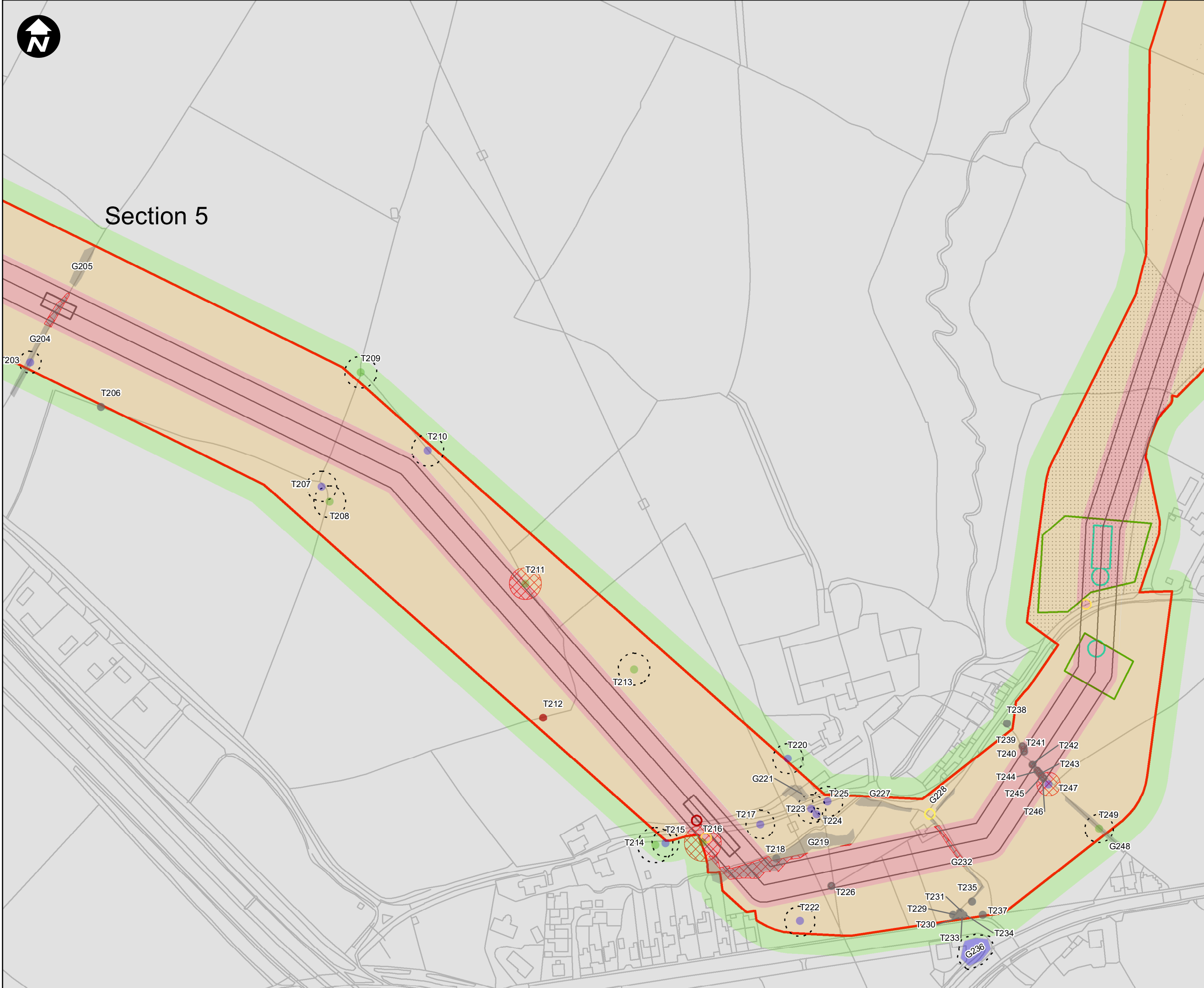
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DRAWING NUMBER
EN070007-PA-PEI-3.1-Sheet 37





Section 5



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

- A
- B
- C
- U

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

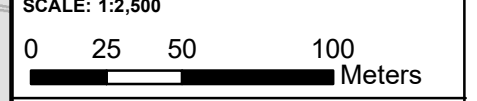
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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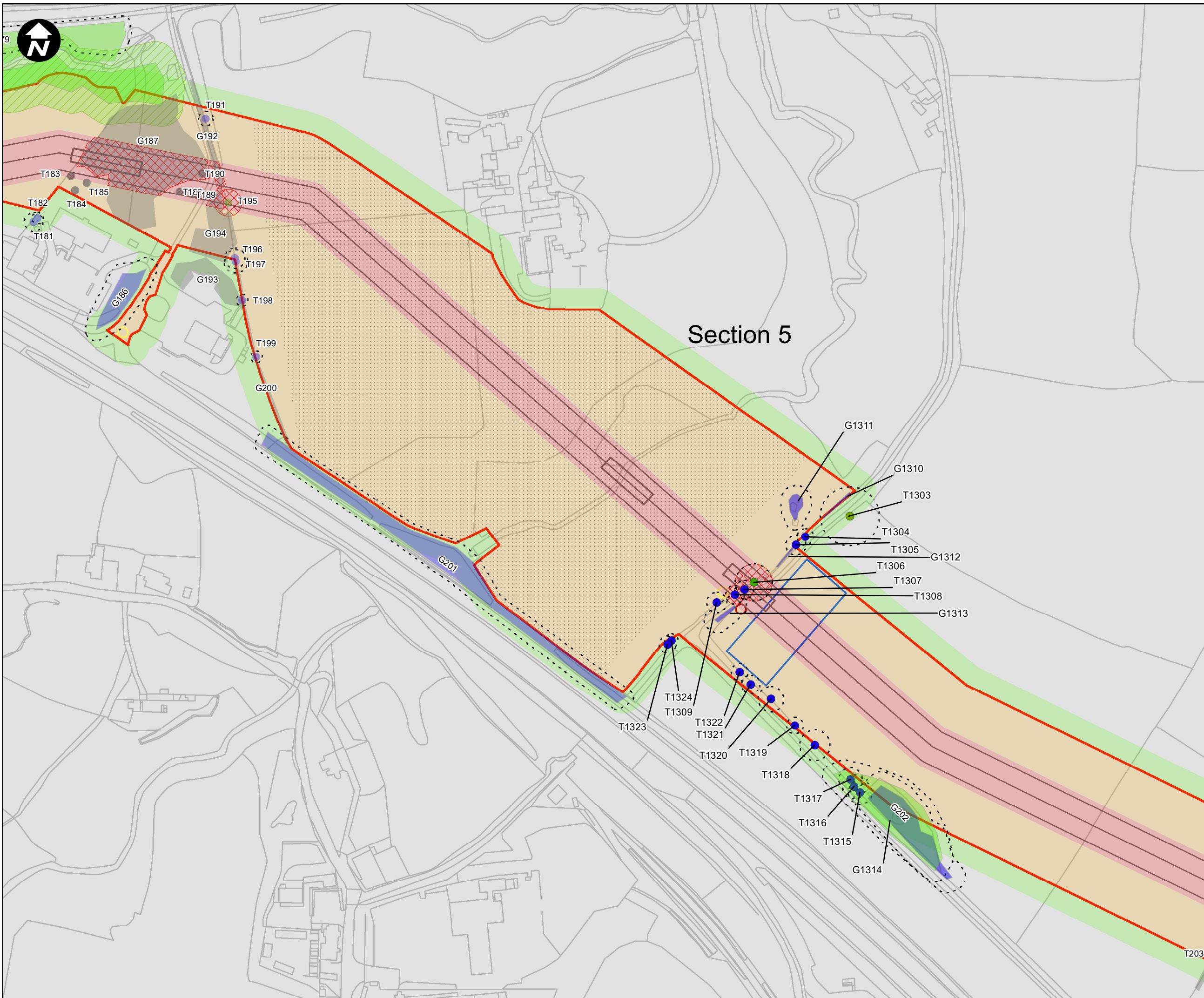
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Page 38 of 46

DRAWING STATUS
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SCALE @ A3 SIZE 1:2,500	DATE 16/06/2023	REVISION C
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DRAWING NUMBER
EN070007-PA-PEI-3.1-Sheet 38



Section 5



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	 A
● B	 B
● C	 C
● U	 U

- Preliminary Removals
- Root Protection Areas (RPA)
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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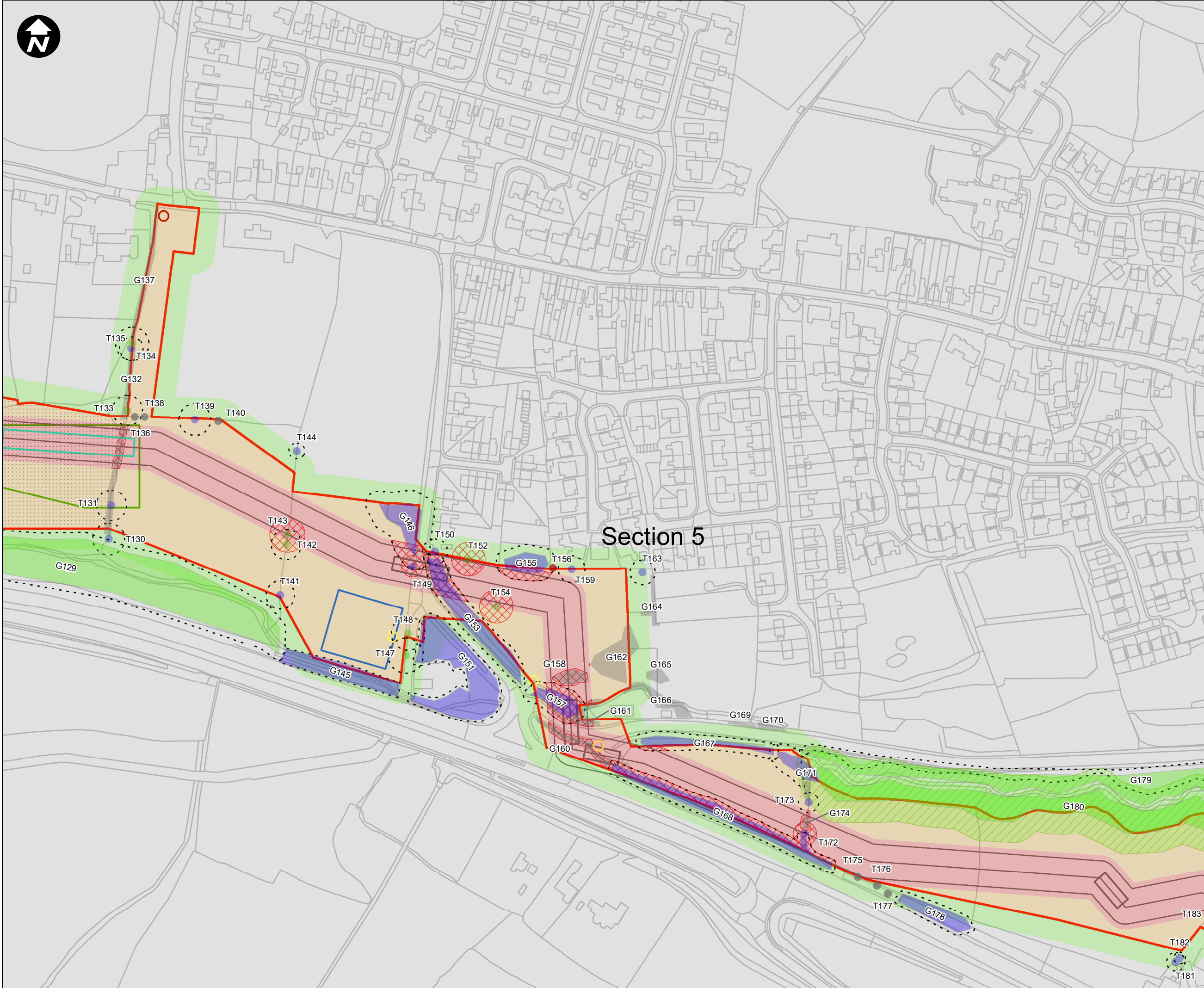
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Page 39 of 46**

DRAWING STATUS
UPDATE FOLLOWING DCO HEARING

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SCALE @ A3 SIZE 1:2,500	DATE 16/06/2023	REVISION C	

DRAWING NUMBER
EN070007-PA-PEI-3.1-Sheet 39



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections
- BS 5837 Tree Category Grading**
- A A
- B B
- C C
- U U
- Preliminary Removals
- Root Protection Areas (RPA)**
- Root Protection Areas (RPA)
- Veteran Trees - RPA's**
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment**
- Red - Removed
- Amber - At Risk
- Green - Retained
- Constructions Layers**
- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound

Section 5

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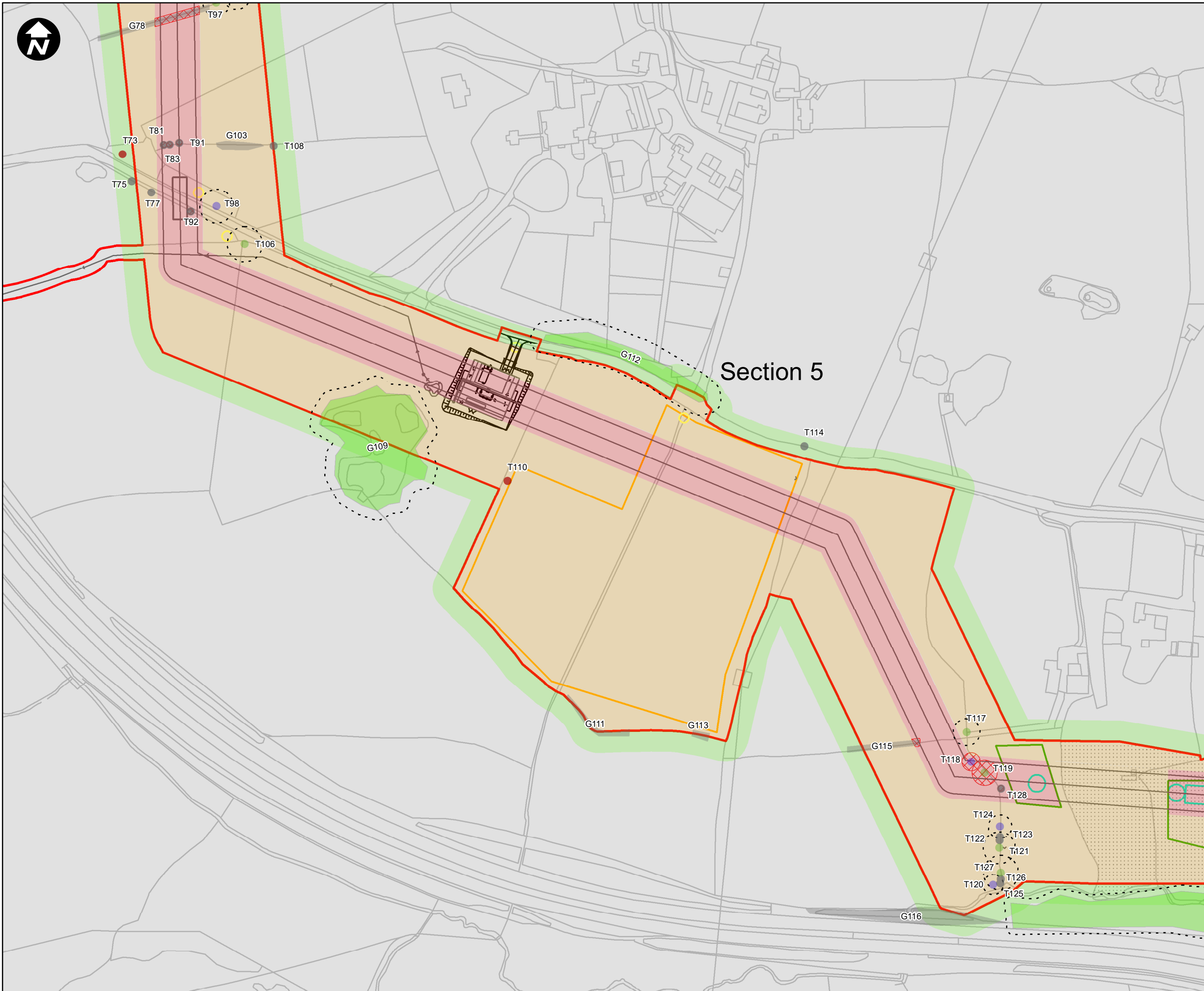
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Page 40 of 46**

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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 40



1:750,000

Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

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

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

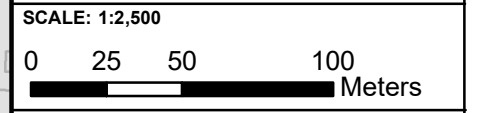
- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access - Existing Access Point
- Construction Access - New Access Point
- Localised Compound



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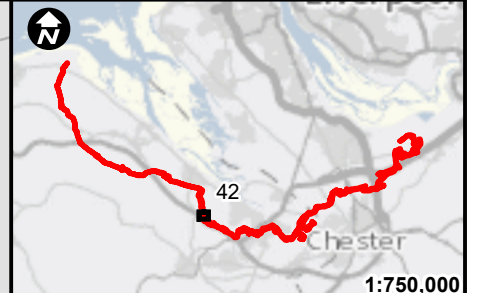
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SCALE @ A3 SIZE	DATE	REVISION
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Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

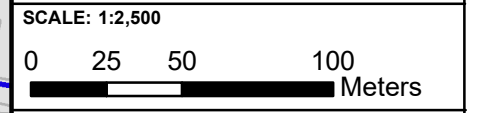
- A
- B
- C
- U

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 42



Section 6

Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

A	A
B	B
C	C
U	U

- Preliminary Removals

Root Protection Areas (RPA)

- Root Protection Areas (RPA)

Veteran Trees - RPA's

- Veteran Tree to be Retained
- Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

- Red - Removed
- Amber - At Risk
- Green - Retained

Constructions Layers

- Proposed Development Design
- Trenchless Crossing
- Centralised Compound
- Open-cut trench Crossings
- Trenchless Crossing Compound
- Construction Access – Existing Access Point
- Construction Access – New Access Point
- Localised Compound



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EN070007-PA-PEI-3.1-Sheet 43





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Section 6

Key:

- New Infrastructure Development Boundary
 - Areas Not Surveyed
 - Proposed Sections
- BS 5837 Tree Category Grading**
- | | |
|---|---|
| A | A |
| B | B |
| C | C |
| U | U |

Preliminary Removals

Root Protection Areas (RPA)

Root Protection Areas (RPA)

Veteran Trees - RPA's

Veteran Tree to be Retained

Veteran Tree at Risk, aiming to Retain

Preliminary RAG Impact Assessment

Red - Removed

Amber - At Risk

Green - Retained

Constructions Layers

Proposed Development Design

Trenchless Crossing

Centralised Compound

Open-cut trench Crossings

Trenchless Crossing Compound

Construction Access – Existing Access Point

Construction Access – New Access Point

Localised Compound

SCALE: 1:2,500



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PROJECT TITLE
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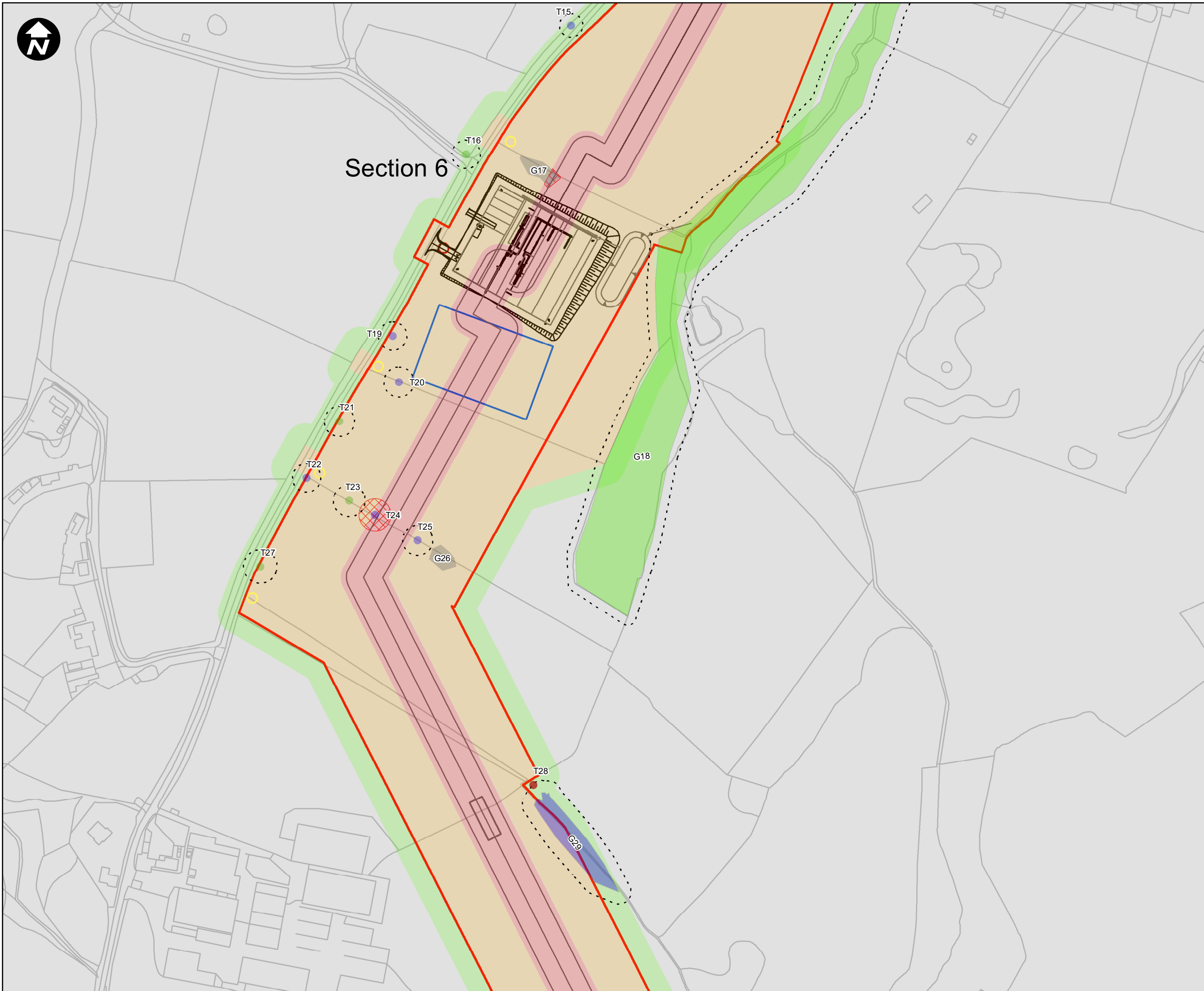
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Section 6



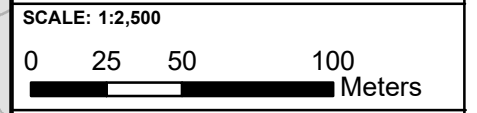
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- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	■ A
● B	■ B
● C	■ C
● U	■ U

- Preliminary Removals
- Root Protection Areas (RPA)
- Veteran Trees - RPA's
- Preliminary RAG Impact Assessment
- Constructions Layers



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SCALE @ A3 SIZE	DATE	REVISION
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EN070007-PA-PEI-3.1-Sheet 45



Key:

- New Infrastructure Development Boundary
- Areas Not Surveyed
- Proposed Sections

BS 5837 Tree Category Grading

● A	■ A
● B	■ B
● C	■ C
● U	■ U

- Preliminary Removals
- Root Protection Areas (RPA)
 - Root Protection Areas (RPA)
- Veteran Trees - RPA's
 - Veteran Tree to be Retained
 - Veteran Tree at Risk, aiming to Retain
- Preliminary RAG Impact Assessment
 - Red - Removed
 - Amber - At Risk
 - Green - Retained
- Constructions Layers
 - Proposed Development Design
 - Trenchless Crossing
 - Centralised Compound
 - Open-cut trench Crossings
 - Trenchless Crossing Compound
 - Construction Access – Existing Access Point
 - Construction Access – New Access Point
 - Localised Compound



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DRAWING NUMBER
EN070007-PA-PEI-3.1-Sheet 46

ANNEX E – TREE REMOVAL AND PROTECTION PLAN (SECTION 7 OF THE DCO PROPOSED DEVELOPMENT)



Key:

- Newbuild Infrastructure Boundary
- Arboricultural Study Area
- Tree Canopies
- Babell BVS
- Special Measures Area
- Root Protection Area (RPA)
- Indicative Protective Fencing
- Indicative Tree Removals

BS5837 2012 Tree Category

A	A
B	B
C	C
U	U

SCALE: 1:500

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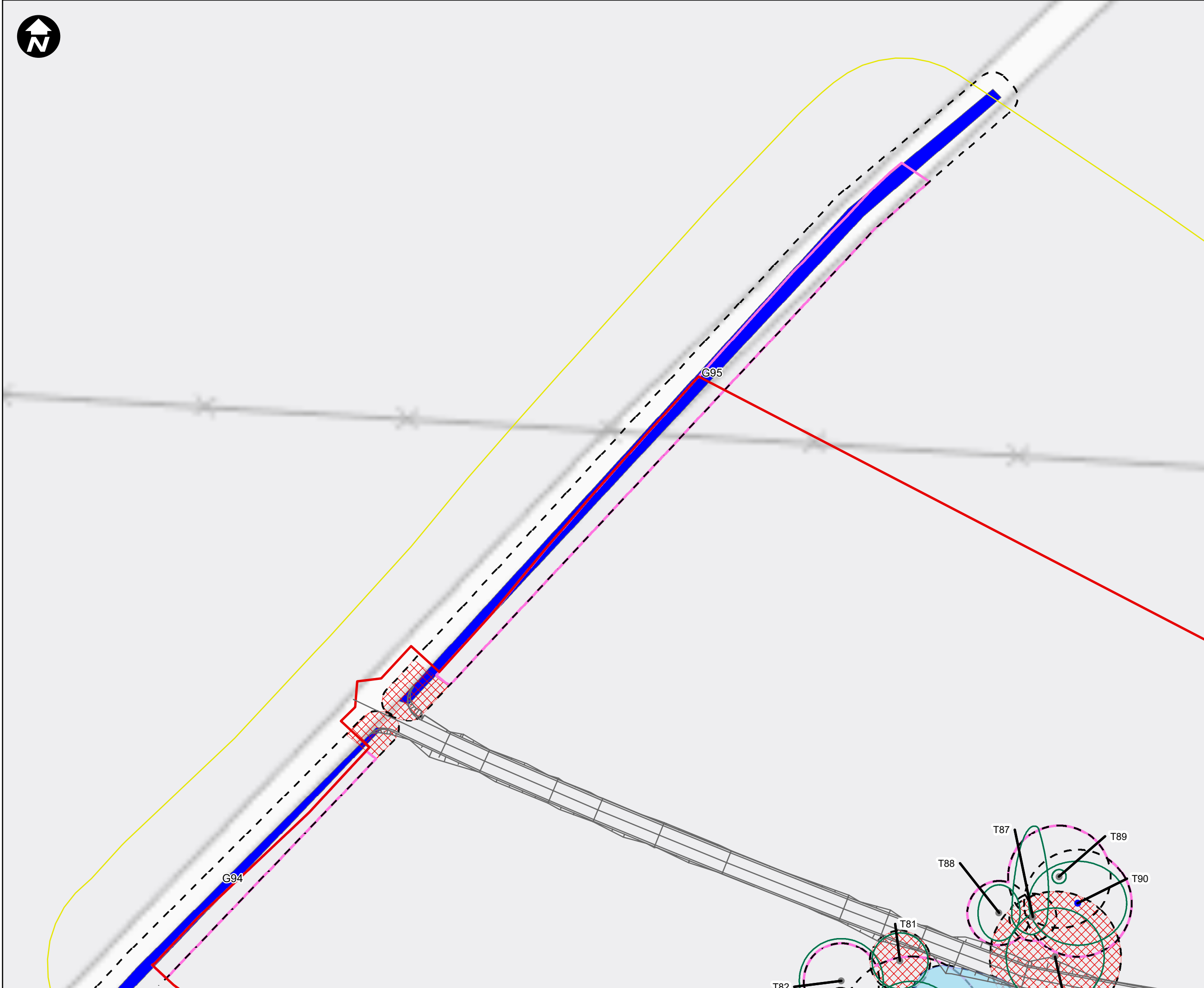
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 Tree Removal and Protection Plan
 SHEET 1 OF 11

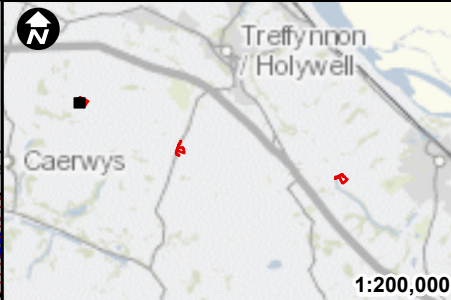
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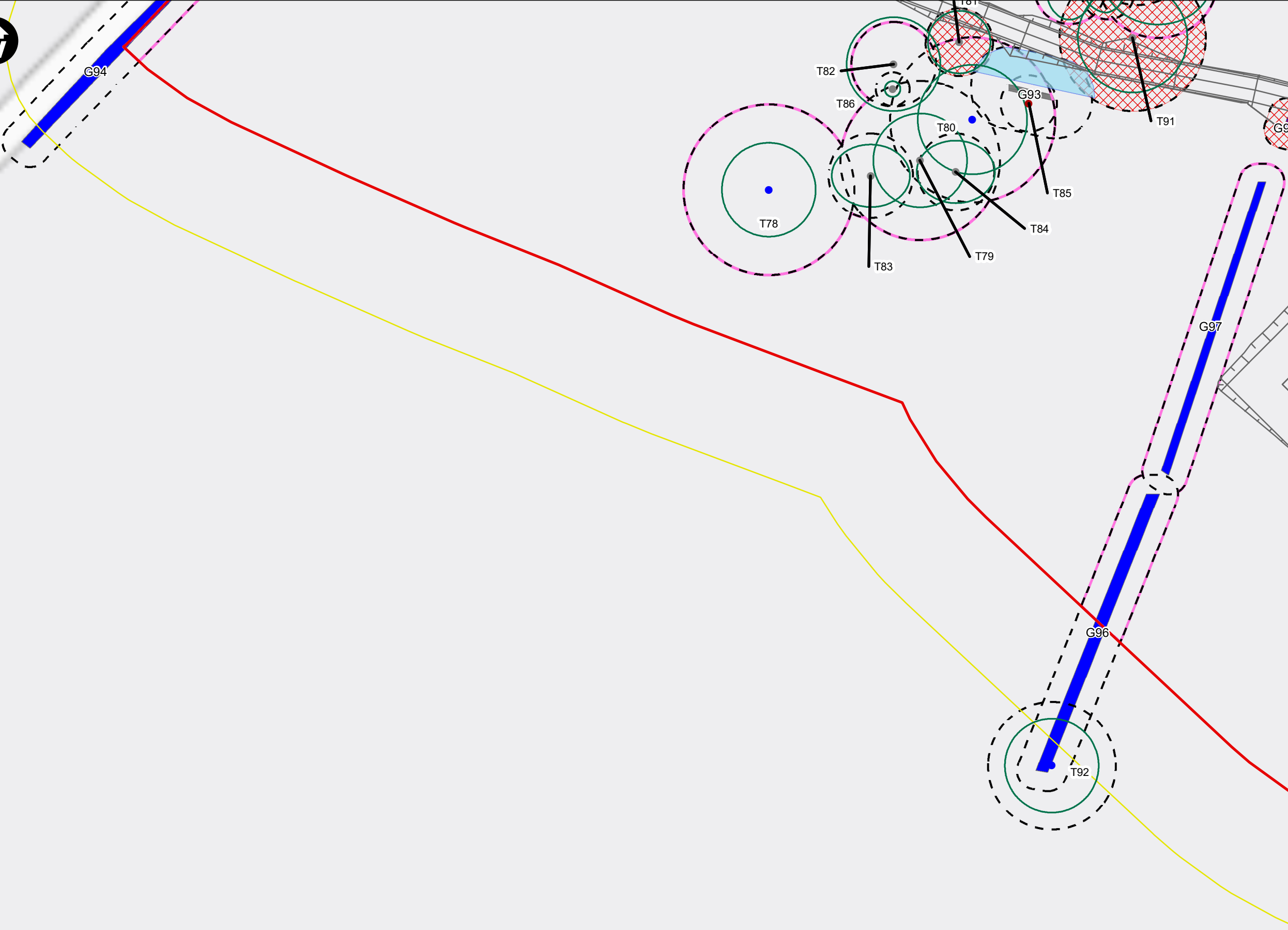
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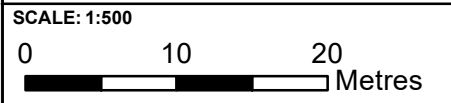


Key:

- Newbuild Infrastructure Boundary
- Arboricultural Study Area
- Tree Canopies
- Babell BVS
- Special Measures Area
- Root Protection Area (RPA)
- Indicative Protective Fencing
- Indicative Tree Removals

BS5837 2012 Tree Category

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



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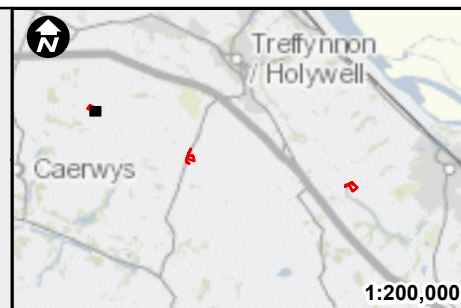
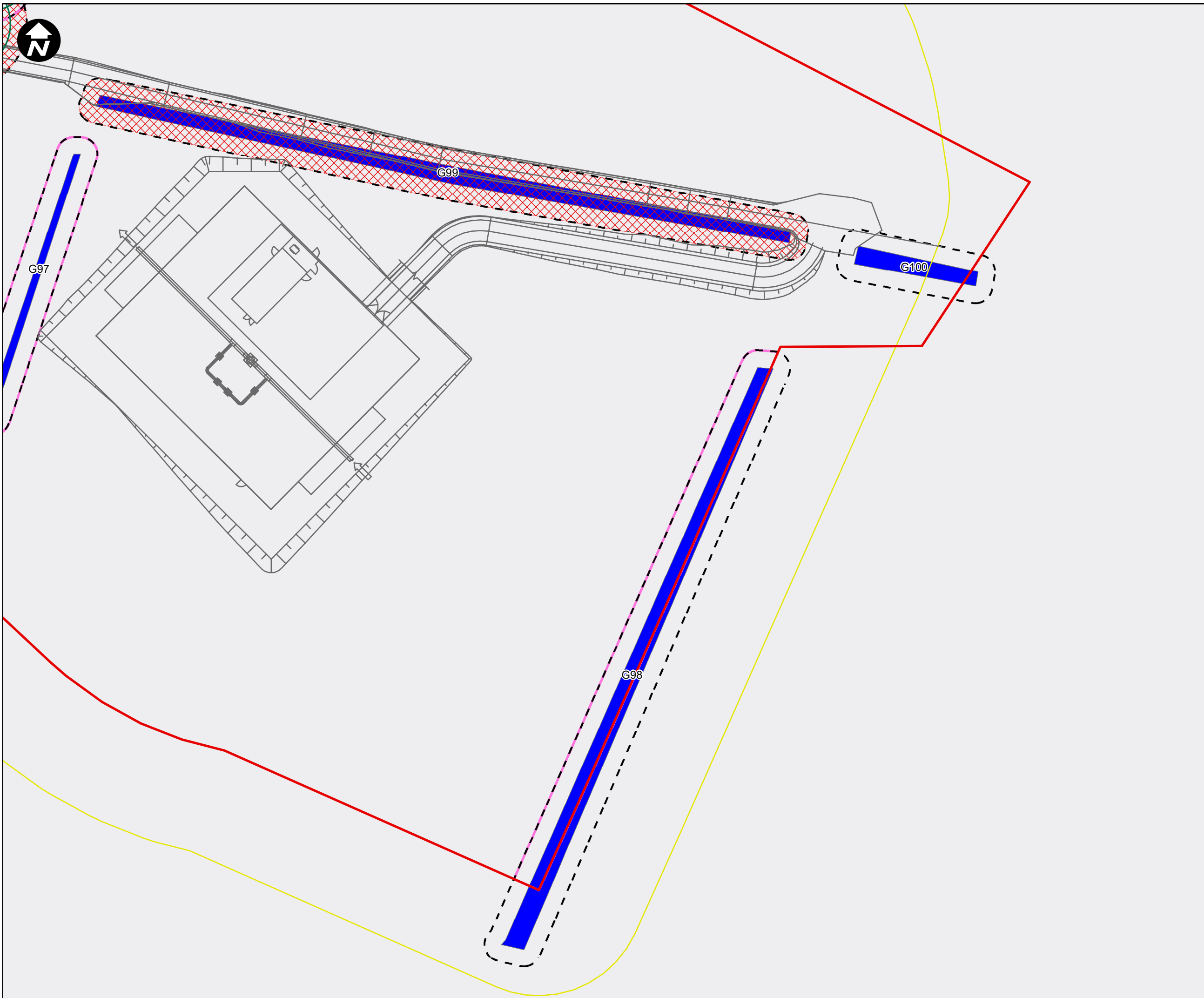
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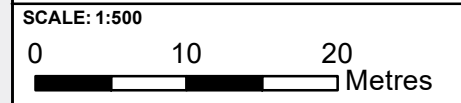
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- Key:**
- Newbuild Infrastructure Boundary
 - Arboricultural Study Area
 - Tree Canopies
 - Babell BVS
 - Root Protection Area (RPA)
 - Indicative Protective Fencing
 - Indicative Tree Removals

- BS5837 2012 Tree Category**
- | | |
|-----|-----|
| ● A | ■ A |
| ● B | ■ B |
| ● C | ■ C |
| ● U | ■ U |



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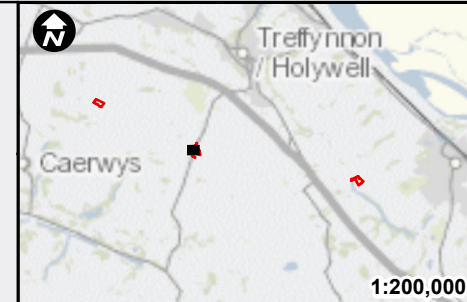
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 SHEET 3 OF 11

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 FOR DCO SUBMISSION

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SCALE @ A3 SIZE	DATE	REVISION
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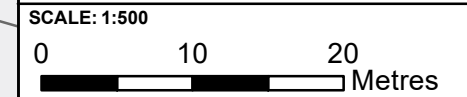
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- Key:**
- Newbuild Infrastructure Boundary
 - Arboricultural Study Area
 - Pentre Halkyn BVS
 - Root Protection Area (RPA)
 - Indicative Protective Fencing
 - Indicative Tree Removals

BS5837 2012 Tree Category

- | | |
|---|---|
| A | A |
| B | B |
| C | C |
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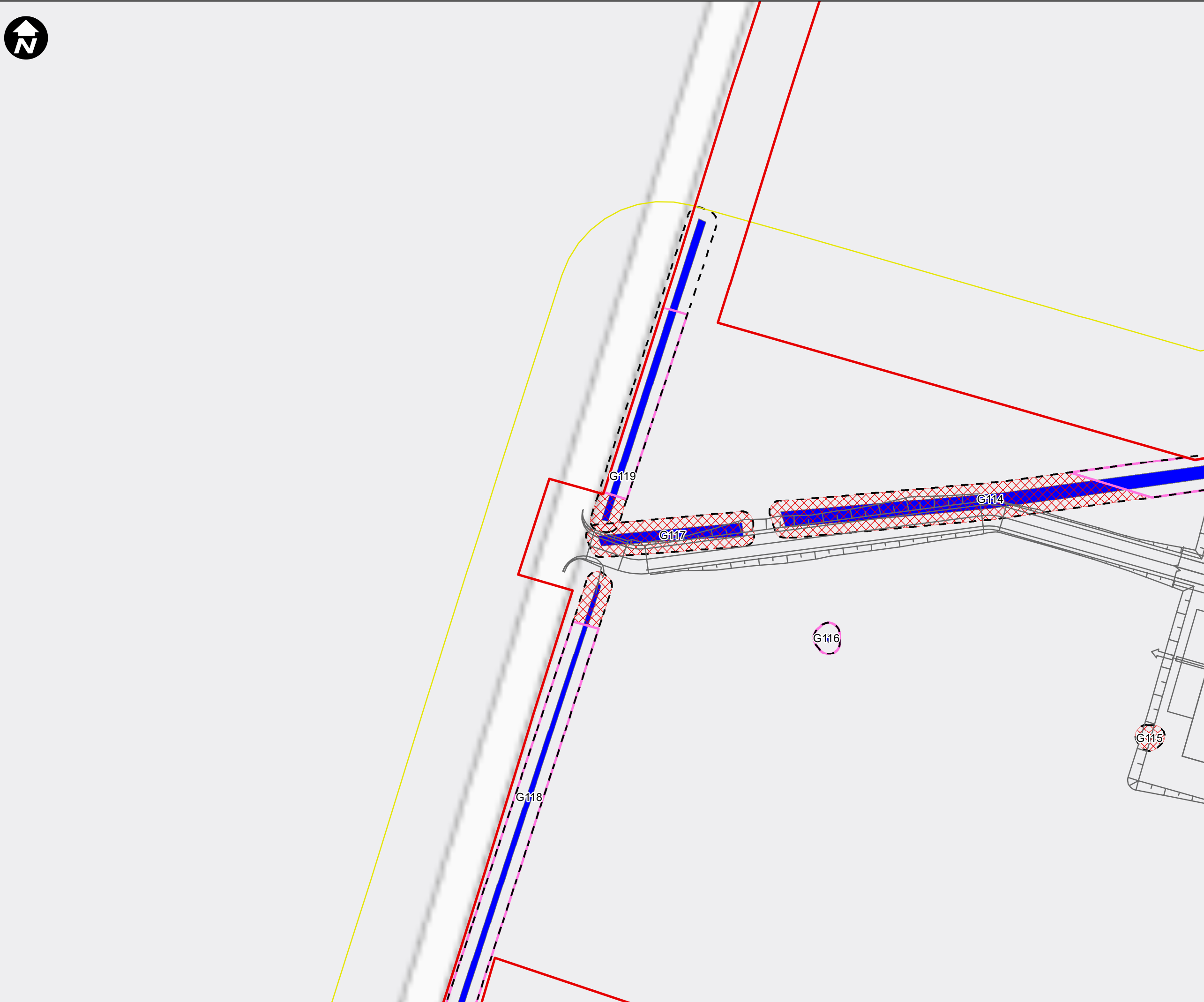
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Tree Removal and Protection Plan
SHEET 4 OF 11

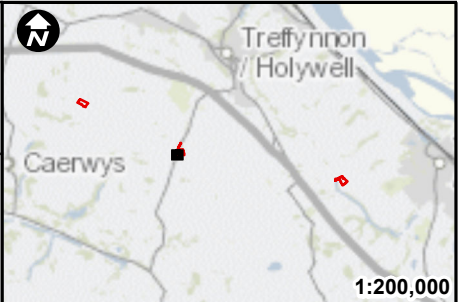
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

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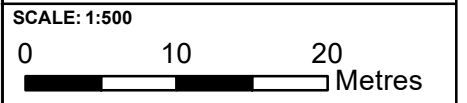




- Key:**
-  Newbuild Infrastructure Boundary
 -  Arboricultural Study Area
 -  Tree Canopies
 -  Root Protection Area (RPA)
 -  Indicative Protective Fencing

BS5837 2012 Tree Category

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|---|---|---|---|
|  | A |  | A |
|  | B |  | B |
|  | C |  | C |
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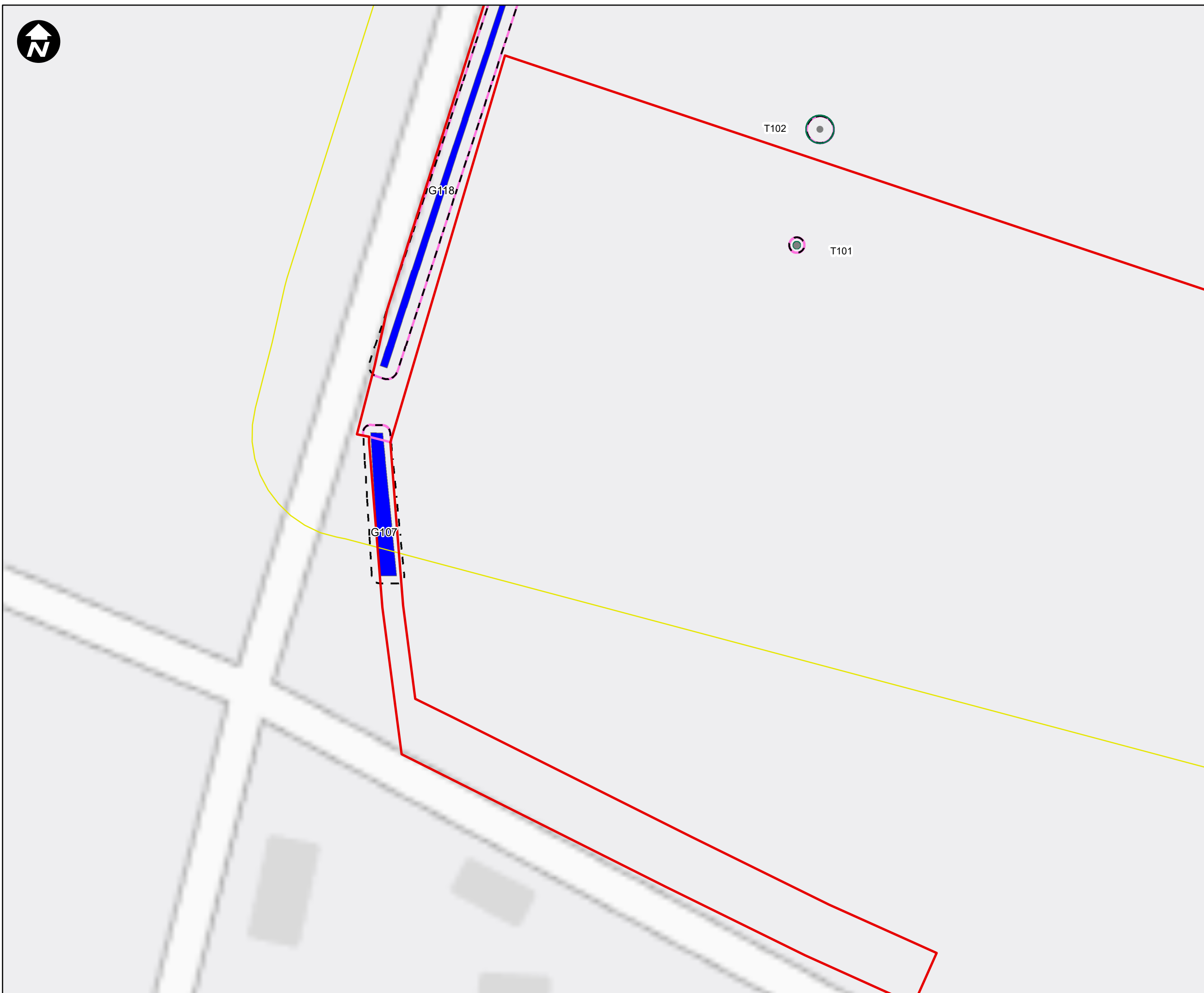
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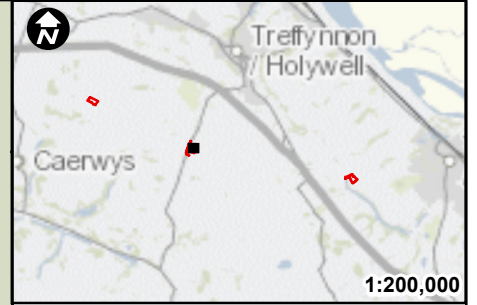
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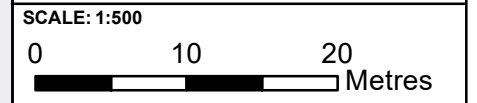
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 -  Arboricultural Study Area
 -  Tree Canopies
 -  Pentre Halkyn BVS
 -  Root Protection Area (RPA)
 -  Indicative Protective Fencing
 -  Indicative Tree Removals

- BS5837 2012 Tree Category**
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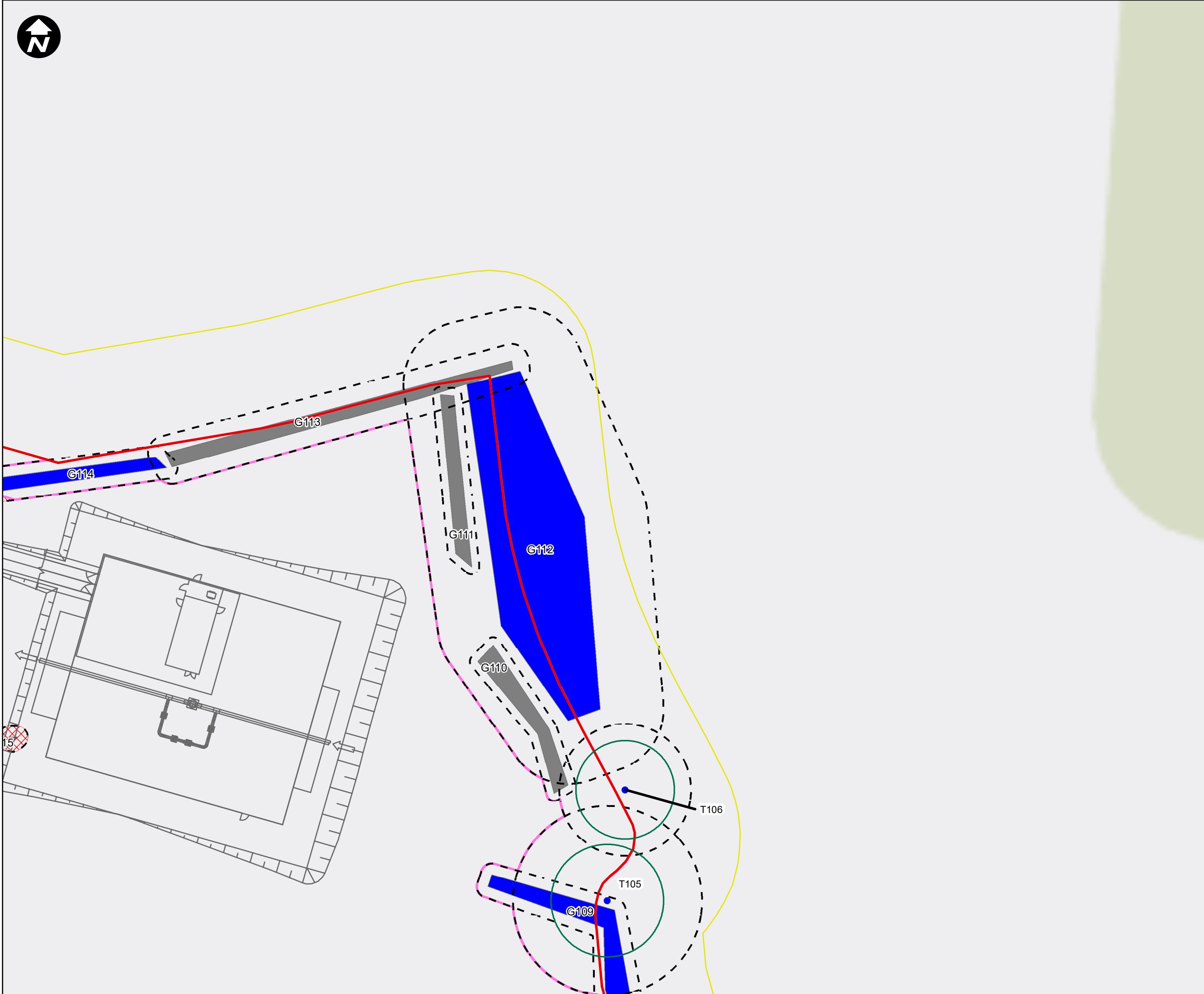
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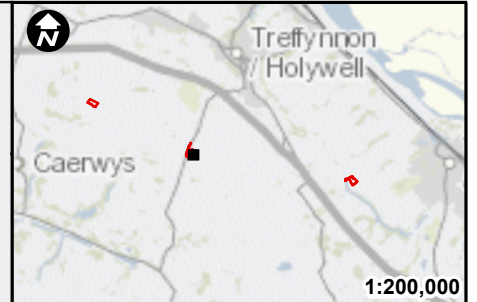
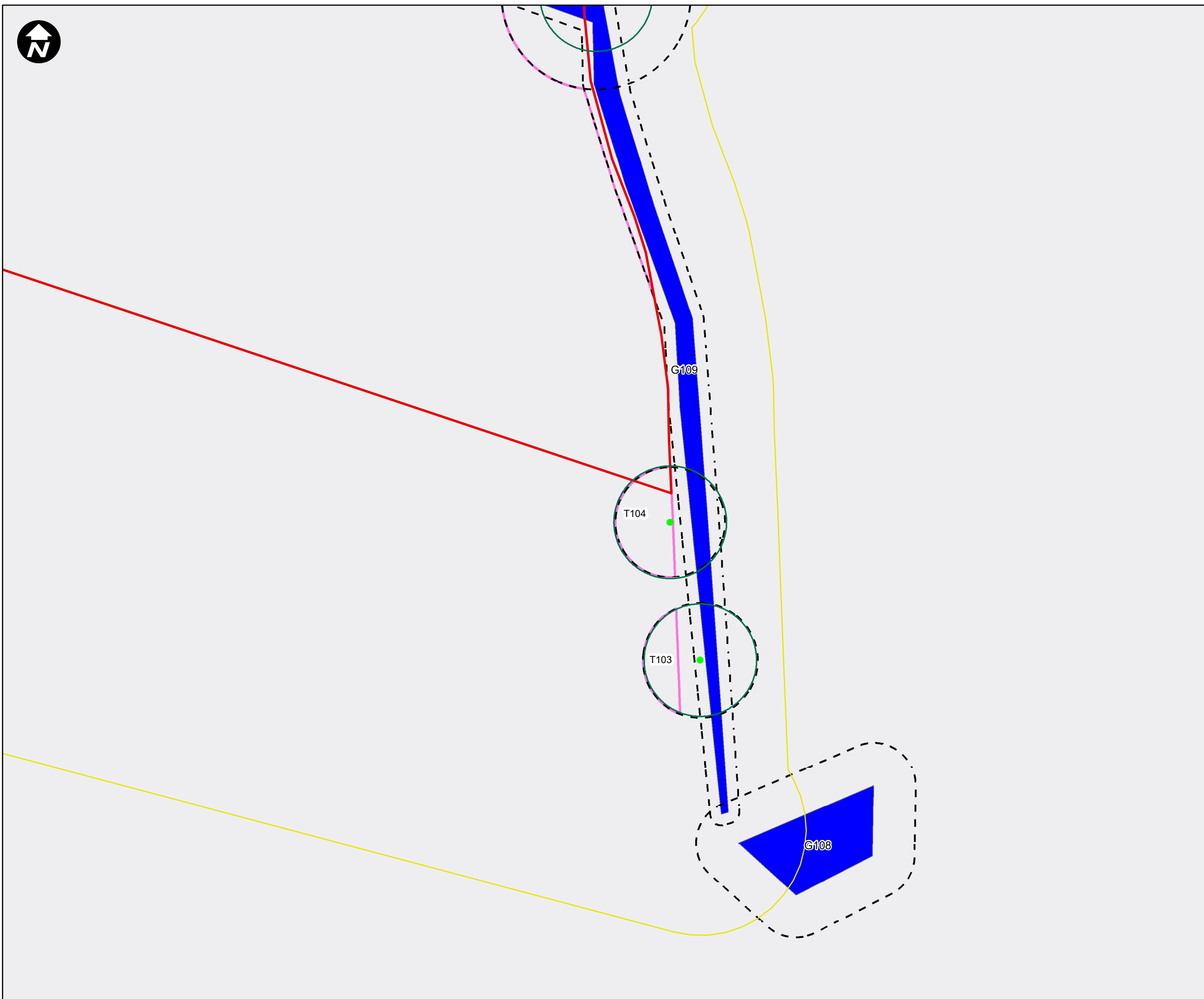
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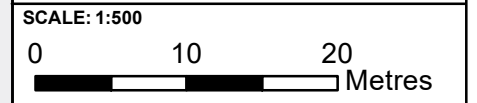


Key:

	Newbuild Infrastructure Boundary
	Arboricultural Study Area
	Tree Canopies
	Root Protection Area (RPA)
	Indicative Protective Fencing

BS5837 2012 Tree Category

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	C		C
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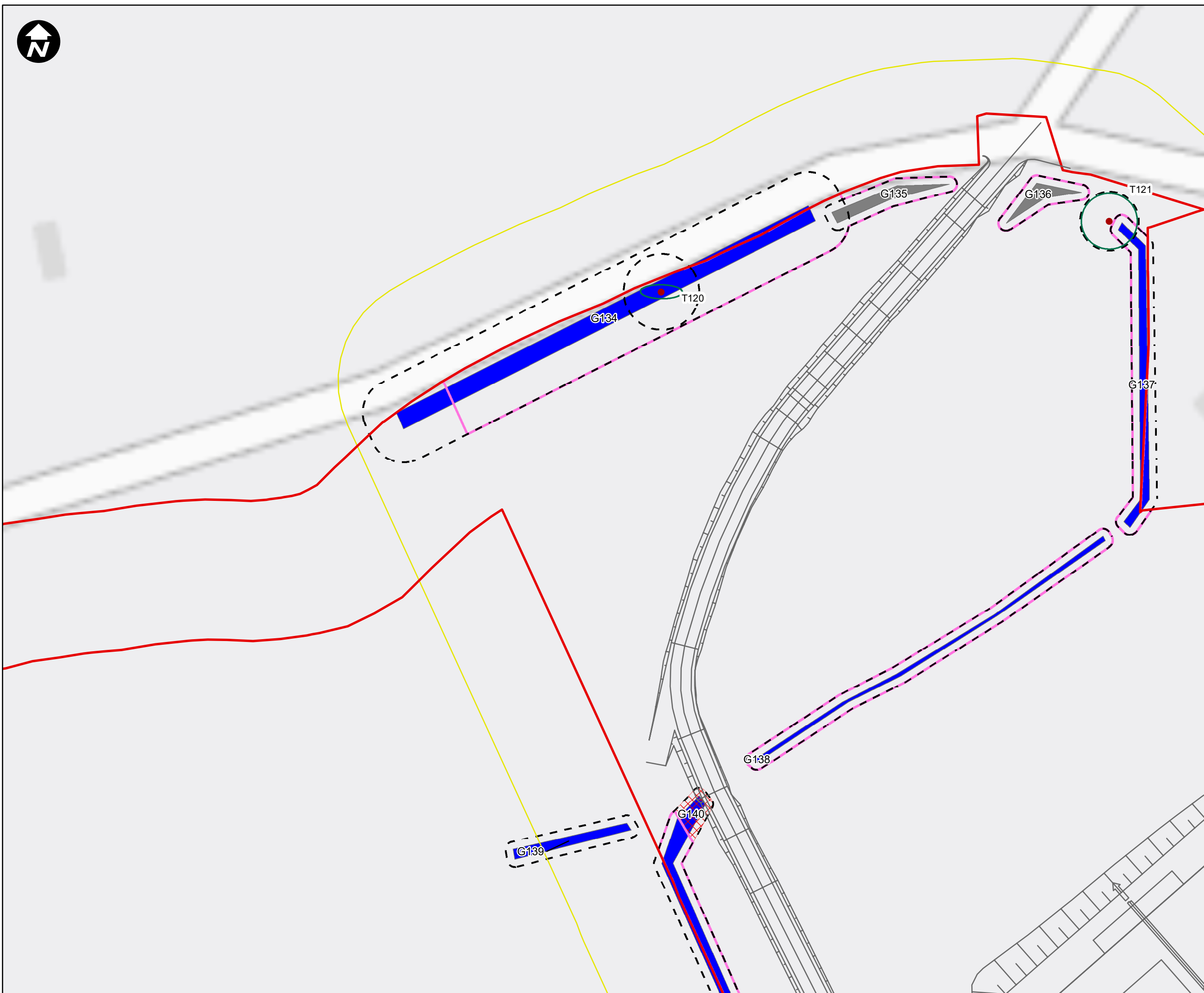
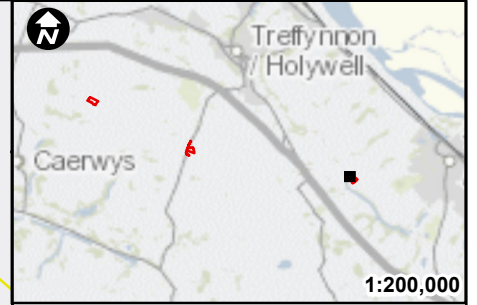
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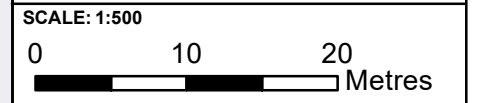
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- Key:**
- Newbuild Infrastructure Boundary
 - Arboricultural Study Area
 - Tree Canopies
 - Cornist Lane BVS
 - Root Protection Area (RPA)
 - Indicative Protective Fencing
 - Indicative Tree Removals

- BS5837 2012 Tree Category**
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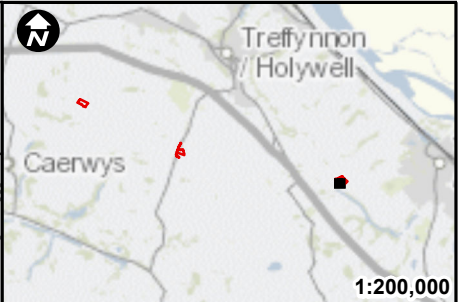
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

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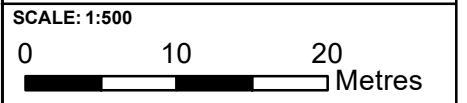
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- Key:**
-  Newbuild Infrastructure Boundary
 -  Arboricultural Study Area
 -  Cornist Lane BVS
 -  Root Protection Area (RPA)
 -  Indicative Protective Fencing

BS5837 2012 Tree Category

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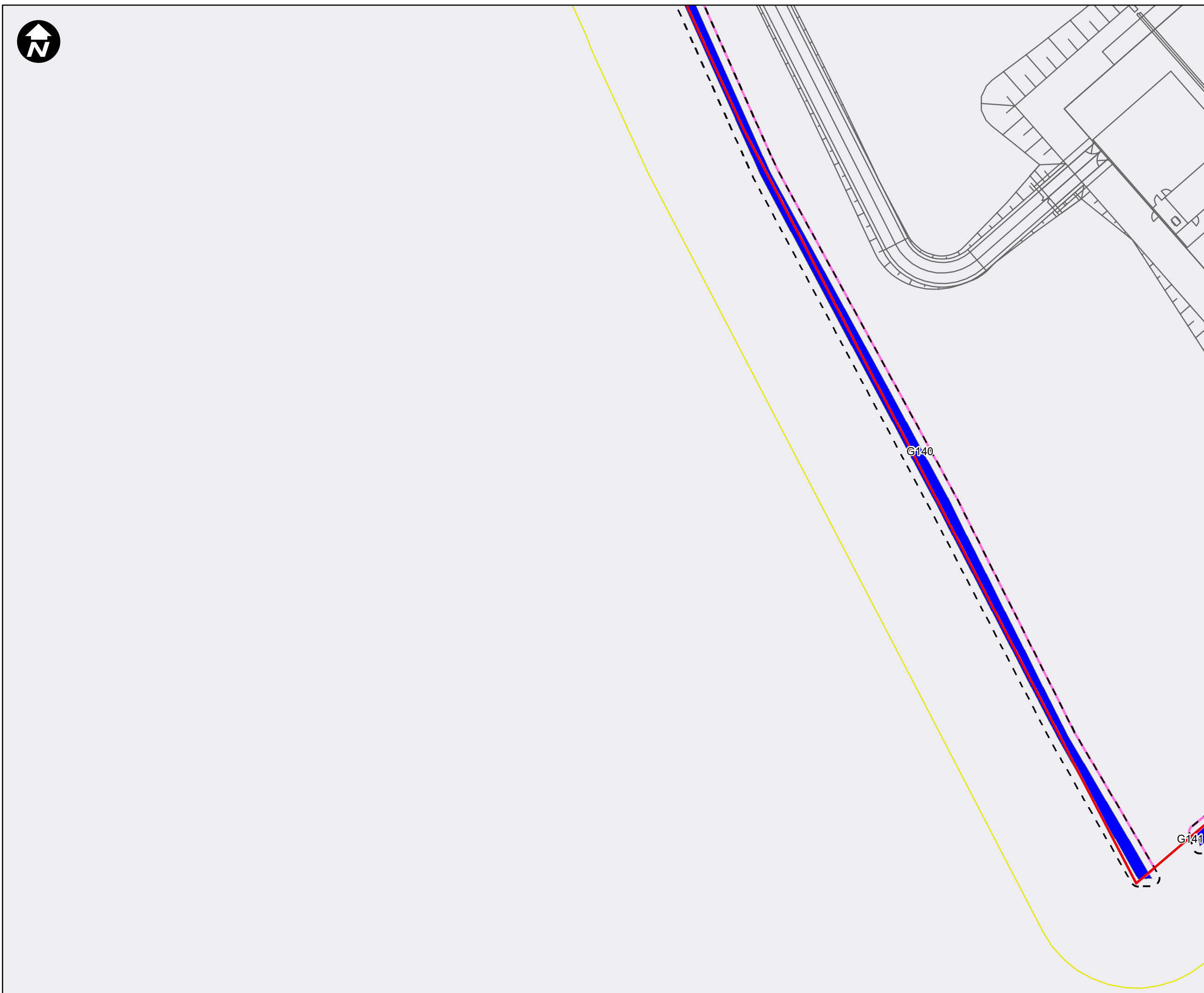
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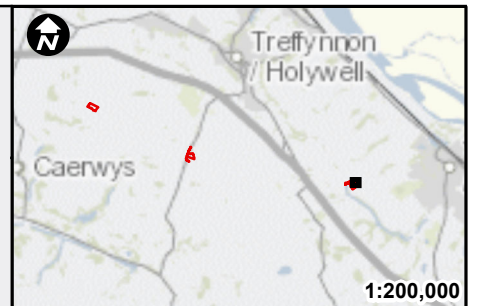
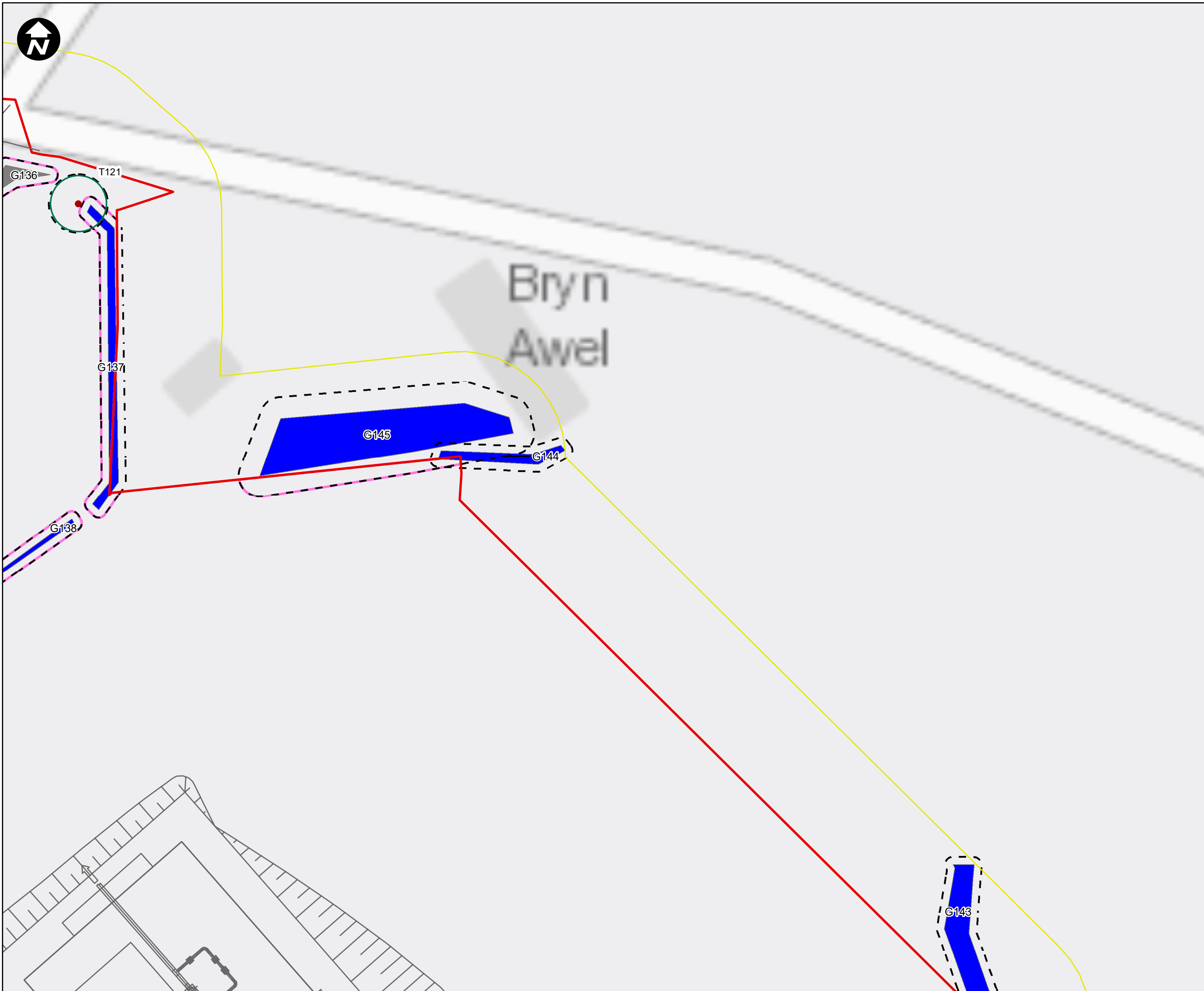
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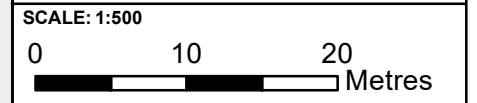




- Key:**
- Newbuild Infrastructure Boundary
 - Arboricultural Study Area
 - Tree Canopies
 - Cornist Lane BVS
 - Root Protection Area (RPA)
 - Indicative Protective Fencing

BS5837 2012 Tree Category

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● B	■ B
● C	■ C
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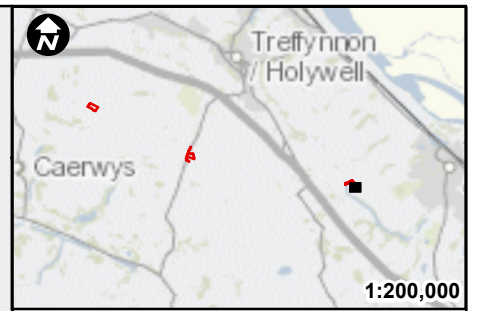
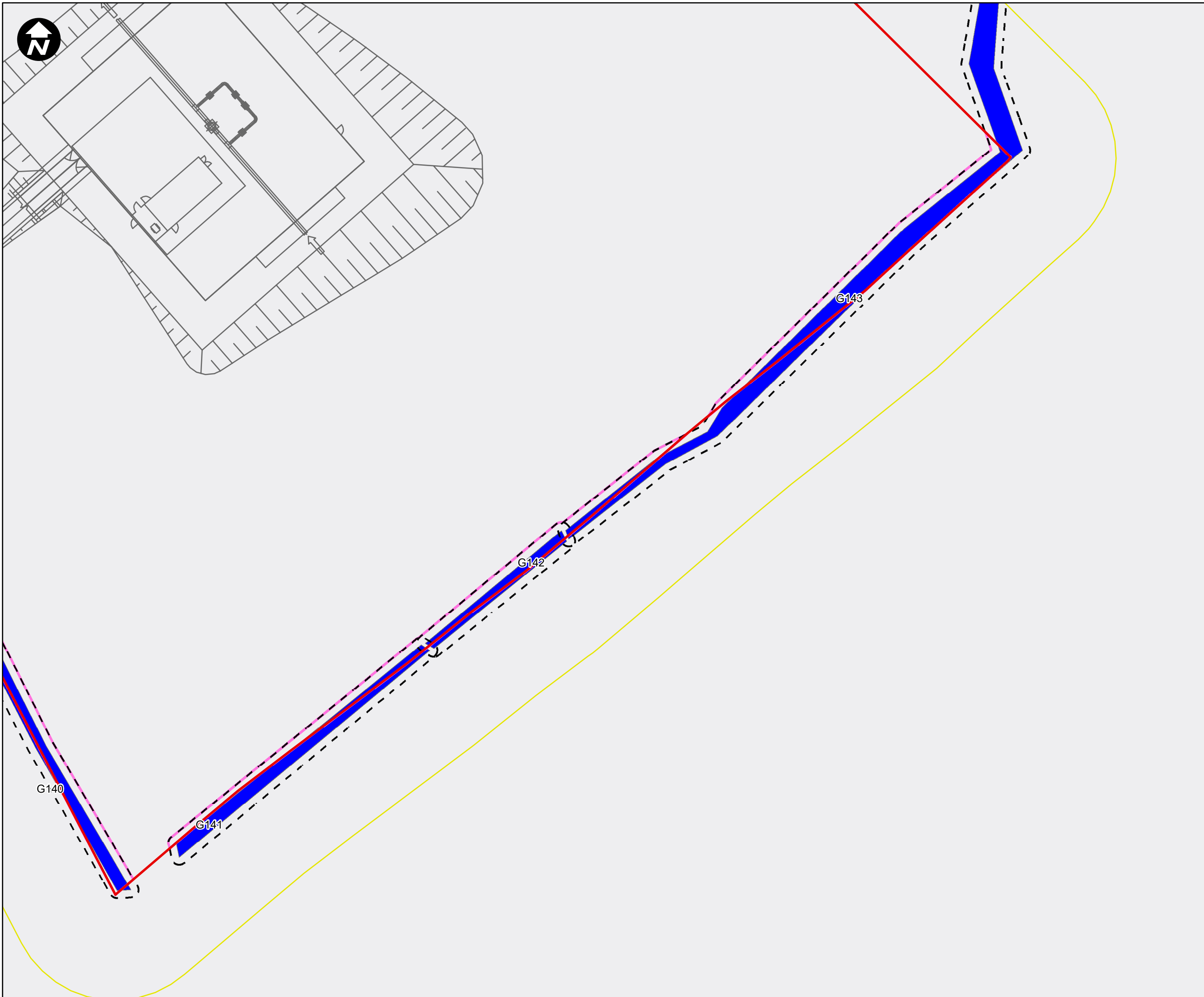
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Tree Removal and Protection Plan
SHEET 10 OF 11

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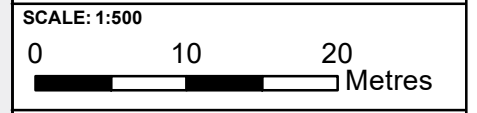
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- Key:**
- Newbuild Infrastructure Boundary
 - Arboricultural Study Area
 - Cornist Lane BVS
 - Root Protection Area (RPA)
 - Indicative Protective Fencing

- BS5837 2012 Tree Category**
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| ● C | ■ C |
| ● U | ■ U |



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 Tree Removal and Protection Plan
 SHEET 11 OF 11

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ANNEX F – OUTLINE ARBORICULTURAL METHOD STATEMENT

INTRODUCTION

The outline Arboricultural Method Statement (AMS) is designed to provide guidance to the Main Contractor to ensure appropriate protection is given to retained trees during the construction stage of the DCO Proposed Development.

The AMS will be a working document and be further developed at the Detailed Design stage with input from the appointed project arboriculturist(s) acting as an Arboricultural Clerk of Works (ACoW). At the Detailed Design stage, a Tree Protection Plan will be developed and will identify the location of mitigation measures to be applied, in conjunction with a specific AMS.

PHASING

Detailed below is the phasing programme which will be followed by the Main Contractor throughout all stages of the DCO Proposed Development to ensure that trees are protected in accordance with the Arboricultural Method Statement.

Phase 1 – Pre-construction

- Pre-construction site meeting(s) with client, Main Contractor, Local Planning Authorities, engineer and ACoW;
- With reference to design plans and in consultation with client, Main Contractor, LPA and ACoW, confirm the trees to be removed and trees to be retained;
- Install protective fencing for retained trees; and
- Carry out tree removal in line with current best practice and BS3998: 2010 Tree Work – Recommendations.

Phase 2 – Construction stage

- Undertake routine checks to ensure tree protection measures remain fit for purpose; and
- ACoW to undertake monitoring and auditing at intervals agreed at the pre-construction meeting.

Phase 3 – Post construction stage

- Carry out soft landscaping;
- Remove protective fencing; and
- Remove ground protection.

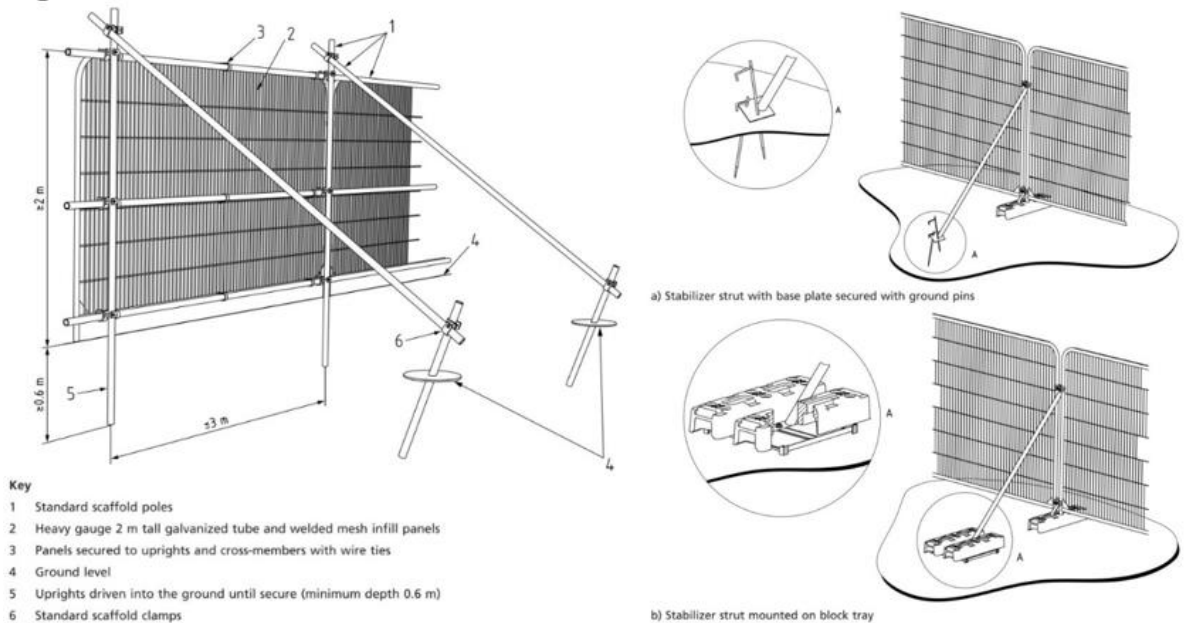
TREE PROTECTION

Effective tree protection can only be achieved by adherence to a logical sequence of works combined with effective arboricultural monitoring. Tree protection fencing in accordance with BS5837:2012 (or similar and approved) shall be erected for retained trees prior to the commencement of any of the following activities:

- The delivery of any plant or materials;
- Demolition;
- Soil stripping;
- Construction works;
- Installation of utilities; and
- Landscape works.

The protective fencing will be erected to protect retained trees with positioning agreed on site with the ACoW. Typical examples of the type of tree protection fencing are included in **Insert 2**.

Insert 2 - Examples of tree protection fencing



Extracts taken from BS 5837:2012 - Trees in relation to design, demolition and construction – Recommendations.

All weather notices will be attached to the tree protection fencing at suitable intervals and positioned at eye level. These notices will include suitably sized informative text containing the following statement:

“TREE PROTECTION FENCING

CONSTRUCTION EXCLUSION ZONE – NO ACCESS”

Once erected these areas will be regarded as sacrosanct, and once installed, barriers will not be removed or altered without prior recommendation by the ACoW and, where necessary, approval from the Local Planning Authority (LPA).

This fencing is to remain in place until completion of all construction works in a given area are complete.

The areas covered by the tree protection fencing are known as the Construction Exclusion Zones (CEZ) and will not be compromised. The following shall apply within these areas:

- No mechanical excavations;
- No excavations by other means without the agreement of the ACoW;
- No change in levels (except removal of grass sward using hand tools);
- No storage of plant or materials;
- No storage or handling of any chemicals including cement washings; and
- No vehicular access.

Where the RPAs for retained trees exceeds the perimeter of the tree protection fencing then temporary ground protection will be installed in areas of soft landscaping. This will be in accordance with BS5837:2012.

Suitable ground protection with the objective of avoiding soil compaction and therefore leaving the tree roots to function unimpaired shall consist of the following:

- For pedestrian access only: single thickness scaffold boards laid butt jointed on a 100mm compression-resistant layer of woodchip, laid on a geo-textile membrane. Or a single thickness of scaffold boards laid on top of a driven scaffold frame to form a suspended walkway.
- For pedestrian-operated machinery up to 2 tonnes gross weight: proprietary, inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchip), laid onto a geotextile membrane.
- For wheeled or tracked construction traffic exceeding 2 tonnes gross weight, an alternative system (e.g. proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

On completion of all construction works the above systems shall be removed only with the consent of the LPA. Surface de-compaction and root zone enhancement measures will then be undertaken. This may include spiking, aeration and/or injection of rhizobium inoculants.

ADDITIONAL PRECAUTIONS OUTSIDE THE CONSTRUCTION EXCLUSION ZONE

Care will be taken when planning construction works to ensure that wide or tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious damage to them and might make their safe retention impossible. Consequently, any transit or traverse of plant in close proximity to retained trees will be conducted under the supervision of a banksman to ensure that adequate clearance from trees is maintained at all times. In some circumstances it may be impossible to maintain adequate clearance thus necessitating access facilitation pruning in consultation with the ACoW. Notice boards, telephone cables or any other services shall not be attached to any part of a tree to be retained.

CONSTRUCTION COMPOUNDS, STORAGE OF MATERIALS AND SPOIL

Temporary site compounds, including mobile WCs and any service connections, will be positioned clear of the CEZs of retained trees.

The delivery, storage, mixing and discharge of concrete and all other cement-based materials shall be carried out so that there is no run-off and spillage near the RPAs of retained trees. No substances that are potentially injurious to plant tissue (including diesel, bitumen, concrete, mortar and other phyto-toxic materials) shall be stored, discharged, prepared or used, where direct contact, infiltration or run-off might reasonably be considered liable to harmfully affect existing root growth or other parts of retained trees. Where chemicals are stored emergency spillage kits will be made available to construction staff to minimise the impacts of any accidental spillages. All cement mixing, vehicle washing or any other activity where toxic chemicals are used shall have the provision to contain any accidental spillage. This can be achieved using suitable soil bunding or using a supporting timber framework sealed with heavy duty plastic sheeting.

No construction materials shall be stored within CEZs of retained trees. Spoil from any construction activity and any materials designated for re-use, shall either be removed from site; or, if kept on site, shall be stored or piled clear of CEZs of retained trees.

INSTALLATION OF UNDERGROUND SERVICES

All underground services should be routed outside the RPAs of all retained trees. Where this is not feasible then it is preferable to keep all apparatus in common ducts to minimise disturbance.

Provided that roots can be retained and suitably protected (i.e. exposed roots are immediately wrapped or covered to prevent desiccation and rapid temperature change and all wrappings removed prior to backfilling) excavation with hand tools may be acceptable for shallow service runs under the supervision of the ACoW.

Where services are to pass within the RPA then plans showing the proposed route should be drawn up with input from the project arboriculturist. Trenchless insertion methods should be used with the entry and exit pits situated outside the RPAs.

REMOVAL OF FOUNDATIONS AND HARD SURFACING WITHIN THE CONSTRUCTION EXCLUSION ZONE

Temporary pedestrian access shall be allowed within the CEZ to carry out the removal of foundations and hard surfacing within the CEZ. A suitable gap in the fencing shall be created just wide enough to allow pedestrian and wheelbarrow access only. On completion of the works the breach shall be closed to prevent further access.

The foundations and any hard surfacing to be removed from within the RPA will be broken up using low impact pneumatic tools only, not breakers attached to excavators, unless absolutely necessary due to the nature of the materials. If this is the only option, then this must first be agreed with the ACoW.

Work to remove the existing hard surfacing will begin at the furthest point from the edge of the CEZ and continue back towards the protective fencing. Removal of the existing hard surfacing will be carried out in 2m strips working from the undisturbed surface. This will allow any exposed roots to be suitably covered to prevent desiccation in a timely manner. The exposed surface can then be made good as the work proceeds to avoid unnecessary travel over the newly uncovered ground. The existing hard surfacing prior to its removal will be used as the working platform. Sections of existing path/foundation shall be broken out separately and debris carefully lifted clear and exported outside the protective fencing using wheelbarrows.

As each section of existing surfacing is removed it shall immediately be replaced with topsoil. The topsoil shall be imported using wheelbarrows and loose tipped. Grading shall be undertaken using hand tools only to avoid compaction.

No reduction of levels of the underlying soil surface shall be carried out.

Topsoil shall conform to BS3882:2007 Specification for Topsoil and Requirements for Use and shall be stored in convenient piles adjacent to the working area just outside the CEZ.

SOFT LANDSCAPING WITHIN THE CONSTRUCTION EXCLUSION ZONE

For all soft landscape works, excavations and ground preparation within these areas is to be carried out using hand tools only in a sensitive manner to ensure root damage is kept to a minimum. At no time shall a rotavator be used within any of the protected areas to prepare the soil.

Removal of existing vegetation and turf will be carried out by hand only. Any herbicide used during the development works shall be appropriate for the type of vegetation to be killed and all instructions, warnings and other relevant information from manufacturers will be strictly observed and followed. Care will be taken to avoid any damaging effects on existing plants and trees to be retained.

Care will be taken to avoid changes in ground levels within the RPAs and no changes in ground levels shall occur within 1m of the trunks of all retained trees.

No works shall be carried out within the RPAs if the soil moisture levels are high enough to allow compaction to occur following assessment by the ACoW. If compaction of the ground has occurred then decompaction measures will be undertaken, these may include forking, spiking, soil augering and tilled radial trenching.

Final grading to marry in new levels with existing ground will be achieved by importing good quality topsoil and spreading it using hand tools only. Areas of proposed grass shall then be raked to a fine tilth and will be grass seeded or turfed as necessary by hand.

All new tree planting will be undertaken in accordance with BS8545:2014 Trees: from nursery to independence in the landscape - Recommendations. Planting pits for shrubs or trees must be hand excavated taking care to avoid damage to existing tree roots. If substantial roots are discovered, then the planting pit will be relocated if possible, in order to retain them. Hedging plants if bare root shall be notch planted and no trench planting shall take place within the RPAs. If fertiliser is to be incorporated into the planting pits it will be a slow-release type such as 'Enmag' or other similar approved and will be applied in accordance with the manufacturer's recommendations.

Roots shall be retained and carefully worked around, wherever practicable. No root greater than 25mm dia. shall be cut without confirmation from the project ACoW. If damage does occur to a root greater than 25mm diameter, then advice must be sought from the project ACoW. Where it is essential to sever roots, they shall be cleanly cut, using an appropriate, sharp bladed hand-tool.

If in the course of operations, roots, that are to be retained, are unearthed, they shall not be left unduly exposed, but shall be covered with hessian, or similar, to protect from desiccation. Prior to backfilling, any hessian wrapping will be

removed and retained roots will be surrounded with sharp sand, or other loose granular fill before soil or other material is replaced.

Where materials or plants are to be brought into or removed from the RPAs they will be transported in wheelbarrows and must be moved across existing hard surfacing or temporary ground protection in accordance with BS5837:2012 in a way that prevents compaction of the soil.

Mulch will be applied to open soils and shrub planting areas to inhibit weed growth, reduce groundwater evaporation, resist and mitigate soil compaction and reduce maintenance requirements. Material that may be used shall include well composted wood chip, pulverised bark, leaf mould or green waste conforming to PAS 100. The depth of mulch will not exceed 100mm, taking particular care not to lay excessive mulch around new plants and will be avoided in areas of established tree growth.

MONITORING

Once the protective fencing and ground protection measures have been installed but prior to operation of the Proposed Development, a site inspection will be undertaken by the ACoW. This is to confirm that all protection measures have been installed in accordance with the Tree Protection Plans and method statement.

Regular monitoring visits will be carried out as necessary during the development.

On completion of the construction works a walkover survey of the trees will be undertaken to identify any remedial action necessary as a result of the construction stage. Should any further consents or permissions be required for remedial tree works, these will be obtained by the ACoW as necessary.