



Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 8.10.1 – Tree Survey Report and Arboricultural Impact Assessment Part 2

- Clean Version

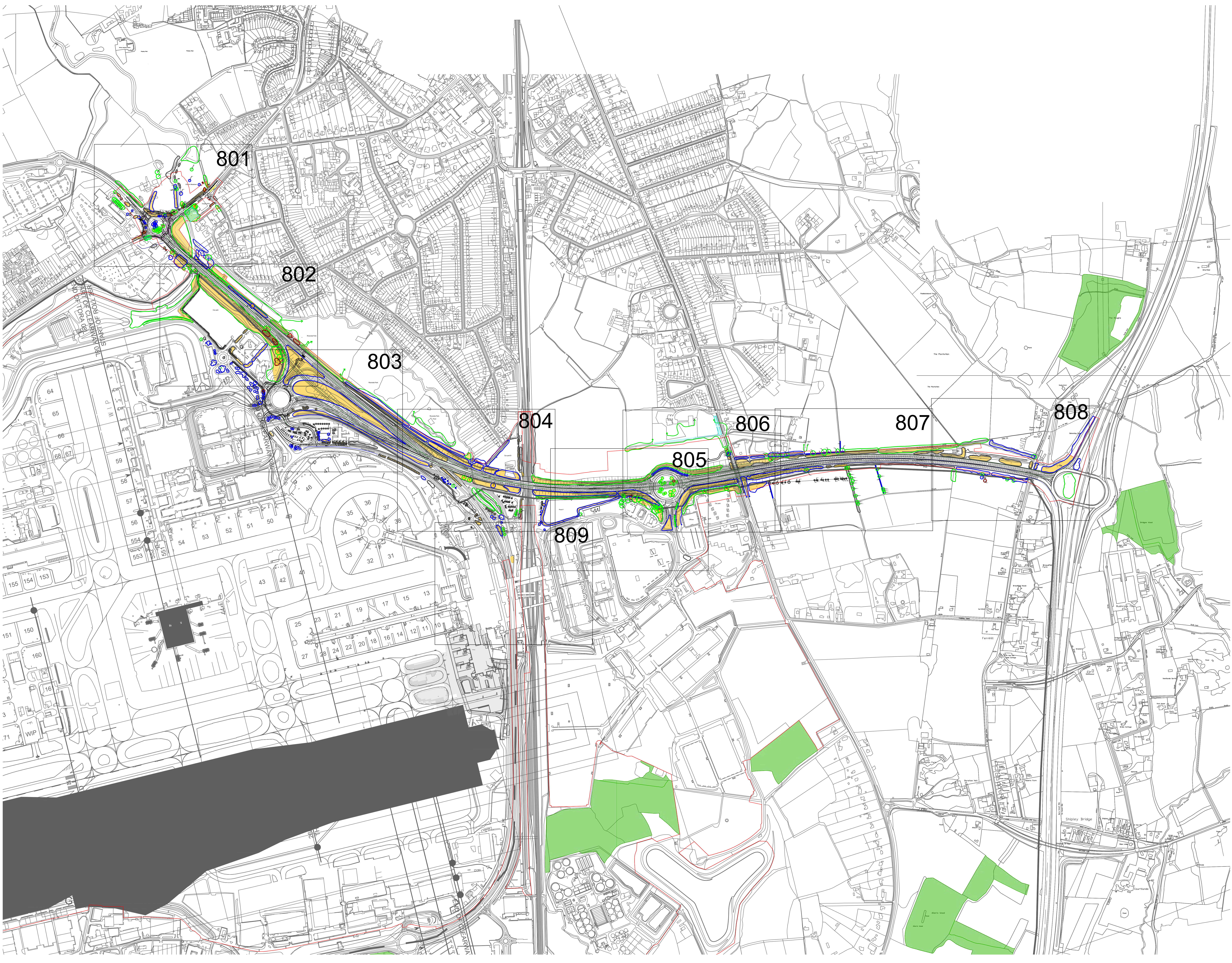
Book 5

VERSION: 2.0

DATE: APRIL 2024

Application Document Ref: 5.3

PINS Reference Number: TR020005



Legend

- Site Boundary
 - Tree loss required for construction
 - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
 - Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
- BS 5837:2012 Tree Quality Categories - Table 1
- Category A - High quality
 - Category B - Moderate quality
 - Category C - Low quality
 - Category U - Unsuitable for retention
- Tree protected by Tree Preservation Order. Bracketted number reference relates to the TPO Schedule.

NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.

DOCUMENT
Environmental Statement

DRAWING TITLE
**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Overview**







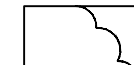
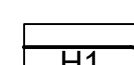
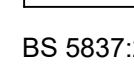


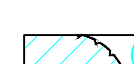


DATE
July 2023

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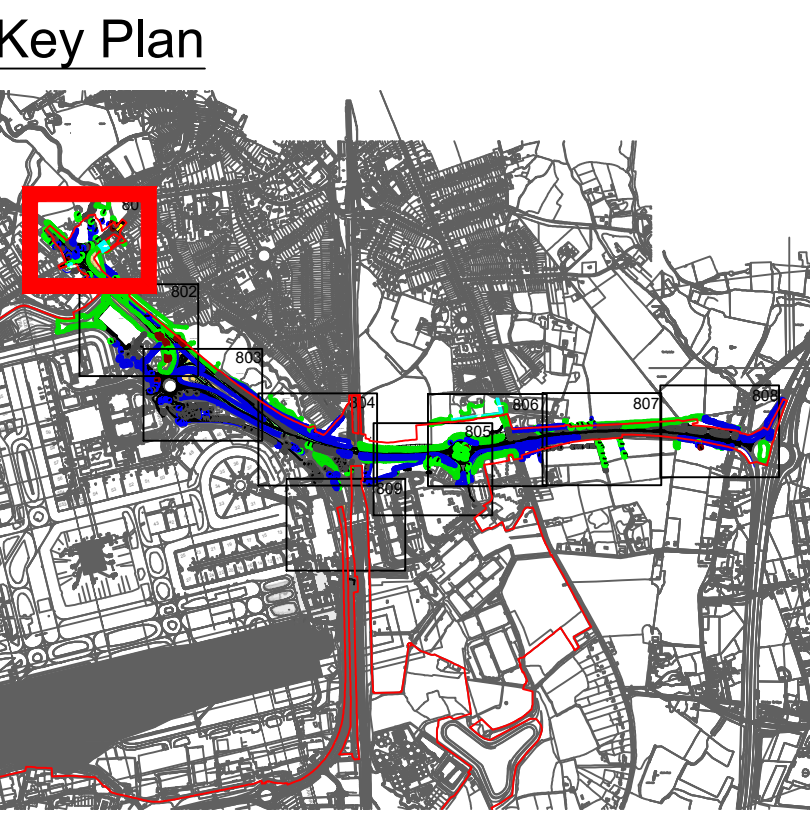
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Legend

-  Site Boundary
-  Tree loss required for construction
-  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1R
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1R
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1R
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1R
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1R
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1R

NOTE: Refer to RPS Tree Survey Report & Schedule for further details.



DOCUMENT
Environmental Statement

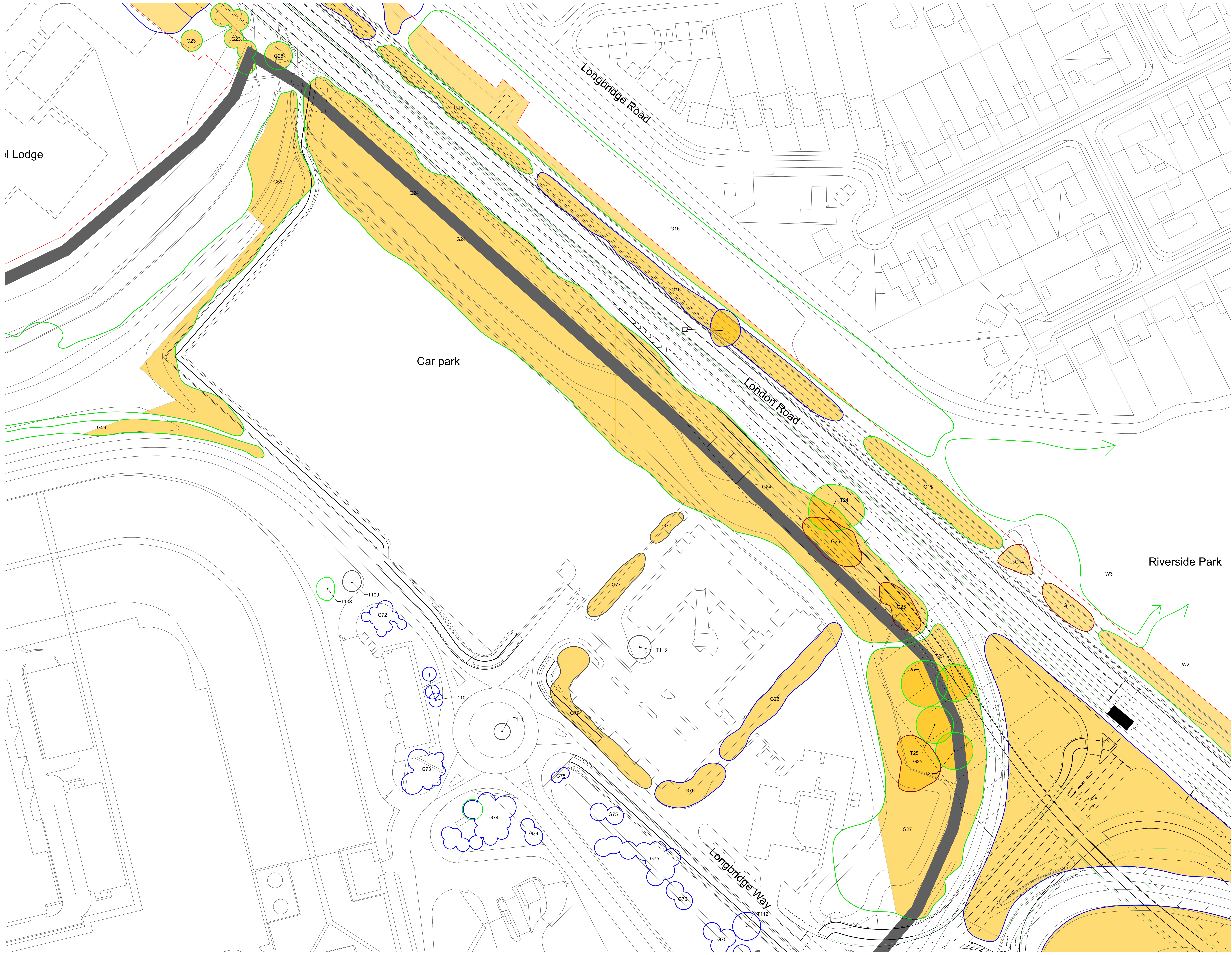
DRAWING TITLE
M23 & A23 Tree Removal Plans
Appendix 8.10.1
Sheet 1 of 9

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July 2023

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l Lodge

Car park

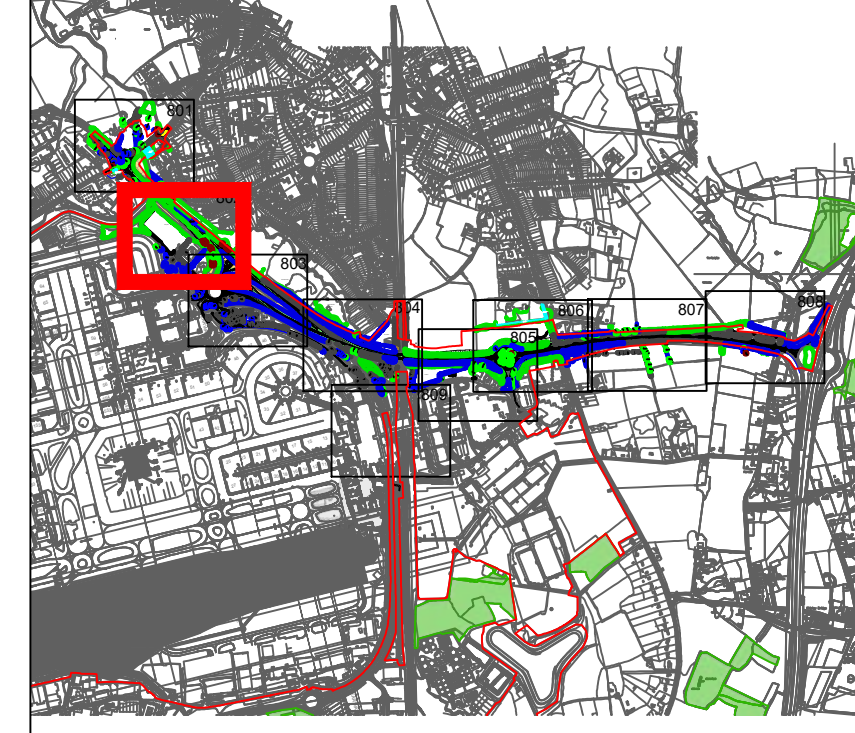
Riverside Park

Legend

- Site Boundary
- Tree loss required for construction
- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
- Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
- BS 5837:2012 Tree Quality Categories - Table 1
 - Category A - High quality
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 - Category C - Low quality
 - Category U - Unsuitable for retention
- Tree protected by Tree Preservation Order. Bracketted number reference relates to the TPO Schedule.

NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.

Key Plan



DOCUMENT

Environmental Statement

DRAWING TITLE

**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 2 of 9**

DATE

July 2023

ORIENTATION



DRAWING NO.

802

REVISION

For ES Issue

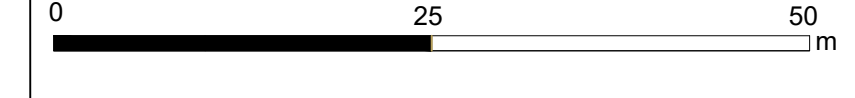
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RC

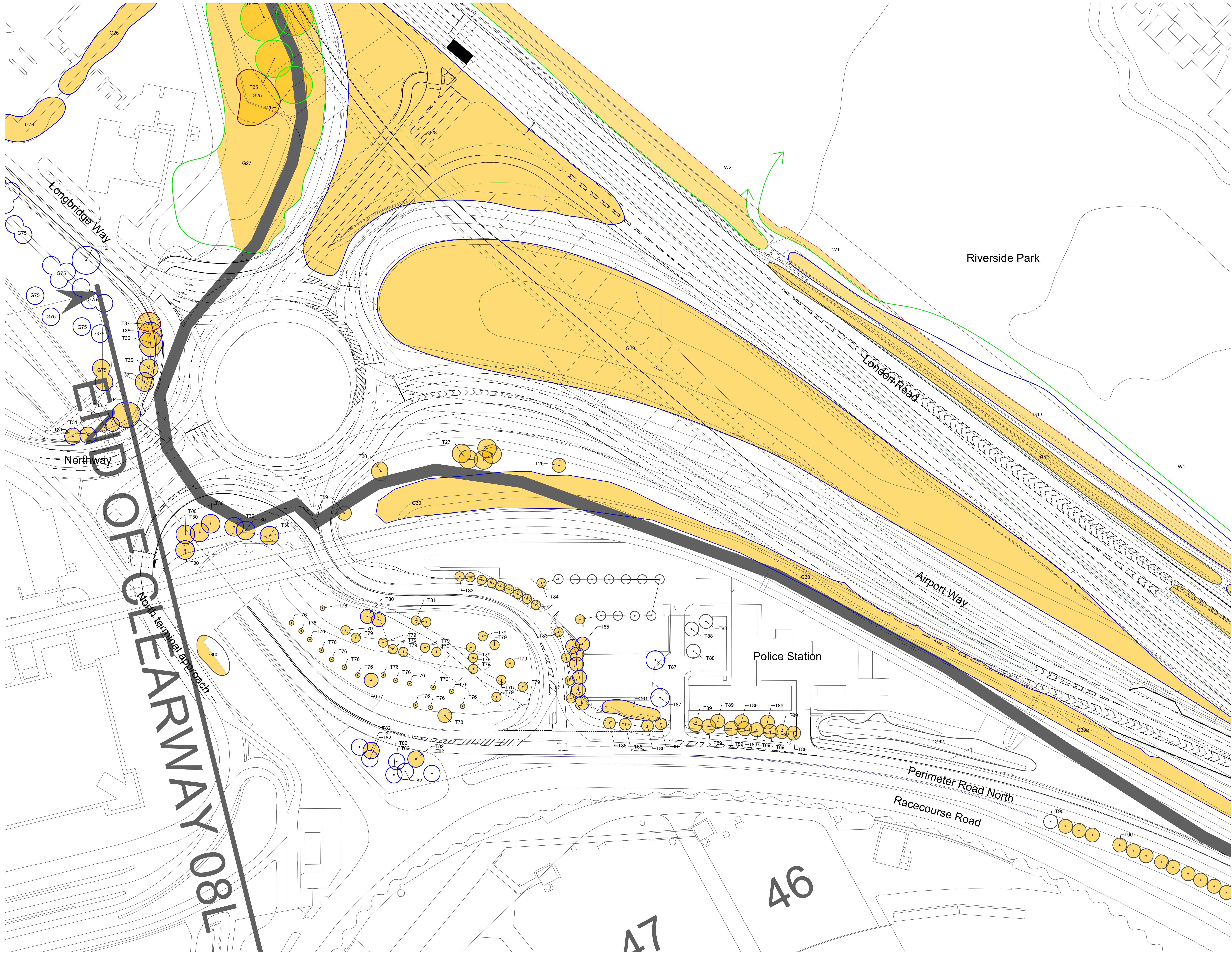
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Legend

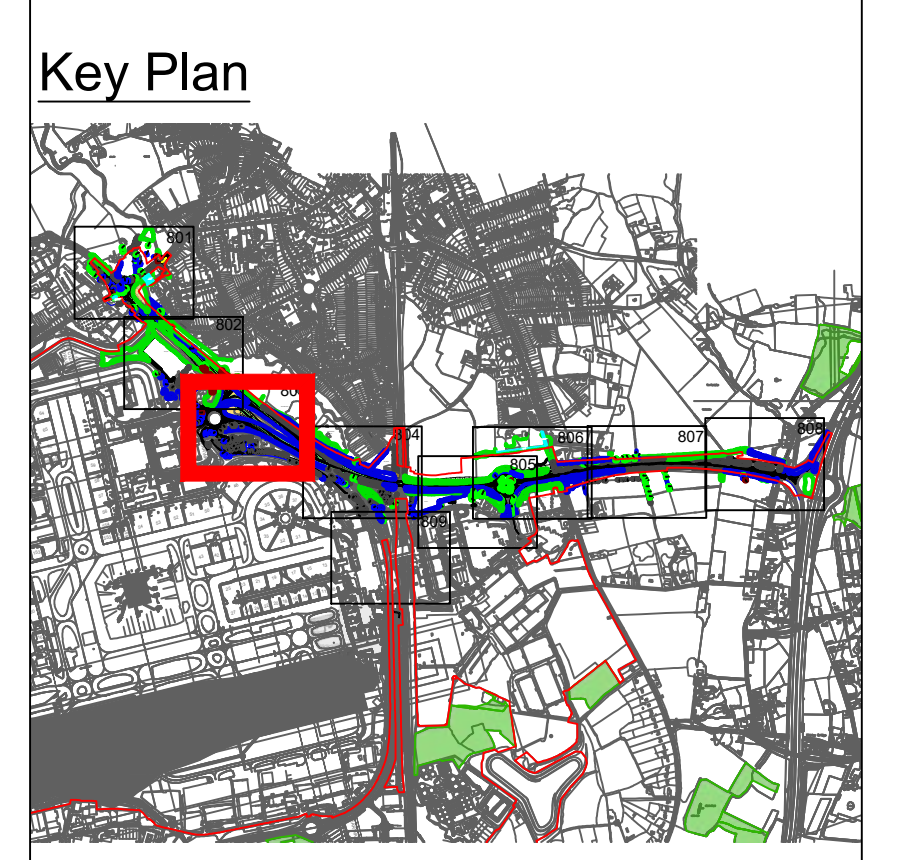
- Site Boundary
- Tree loss required for construction
- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
- Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.

BS 5837:2012 Tree Quality Categories - Table 1

- Category A - High quality
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Tree protected by Tree Preservation Order. Bracketted number reference relates to the TPO Schedule.

NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.



DOCUMENT
Environmental Statement

DRAWING TITLE
**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 3 of 9**

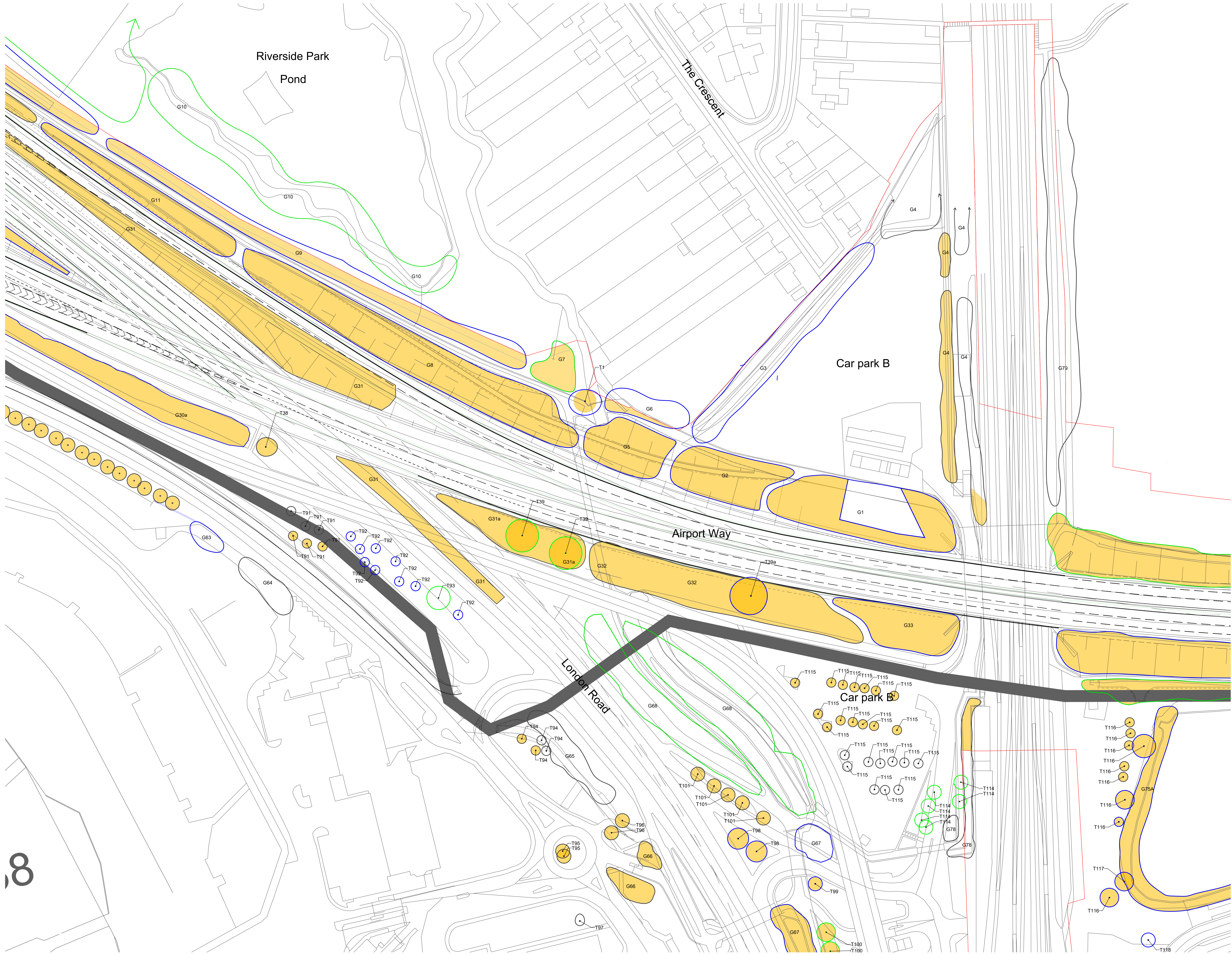
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46
 47

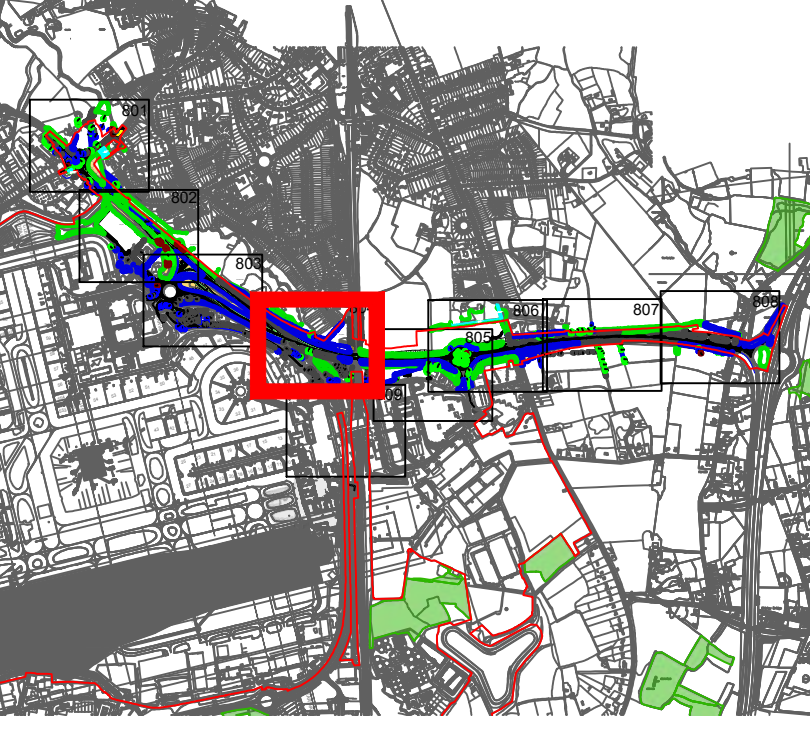


Legend

- Site Boundary
 - Tree loss required for construction
 - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.
 - Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
 - Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
- BS 5837:2012 Tree Quality Categories - Table 1
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- Tree protected by Tree Preservation Order. Bracketted number reference relates to the TPO Schedule.

NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.

Key Plan



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Environmental Statement

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**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 4 of 9**

DATE

July 2023

ORIENTATION



DRAWING NO.

804

REVISION

For ES Issue

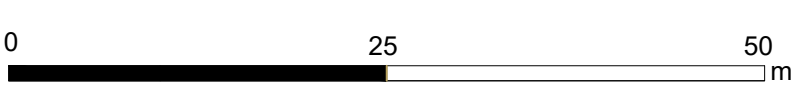
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8



Legend

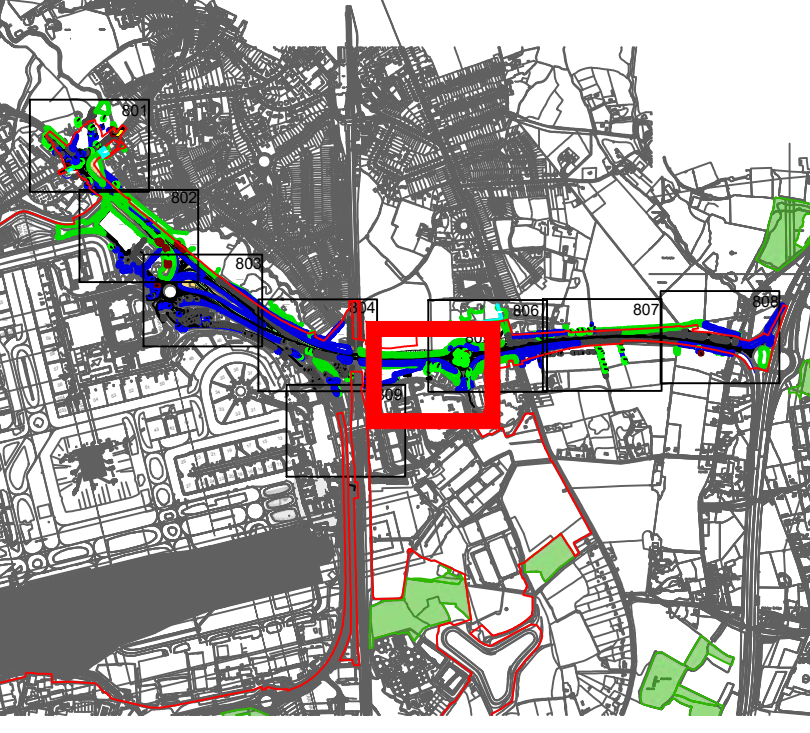
- Site Boundary
- Tree loss required for construction
- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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BS 5837:2012 Tree Quality Categories - Table 1

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 - Category U - Unsuitable for retention
- Tree protected by Tree Preservation Order.**
 Bracketted number reference relates to the TPO Schedule.

NOTE:
 Refer to RPS Tree Survey Report & Schedule for further details.

Key Plan

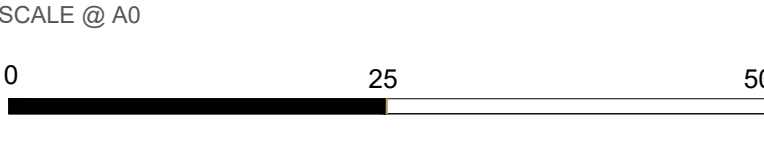


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 Environmental Statement

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 M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 5 of 9







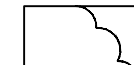
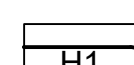
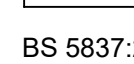



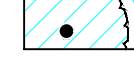
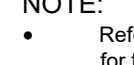
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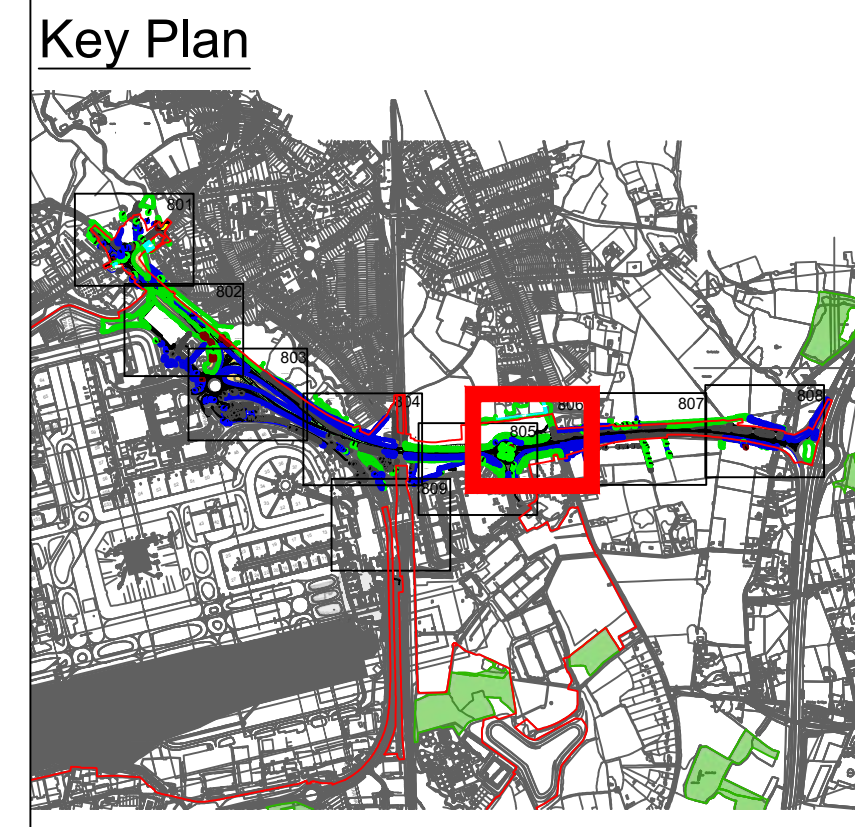
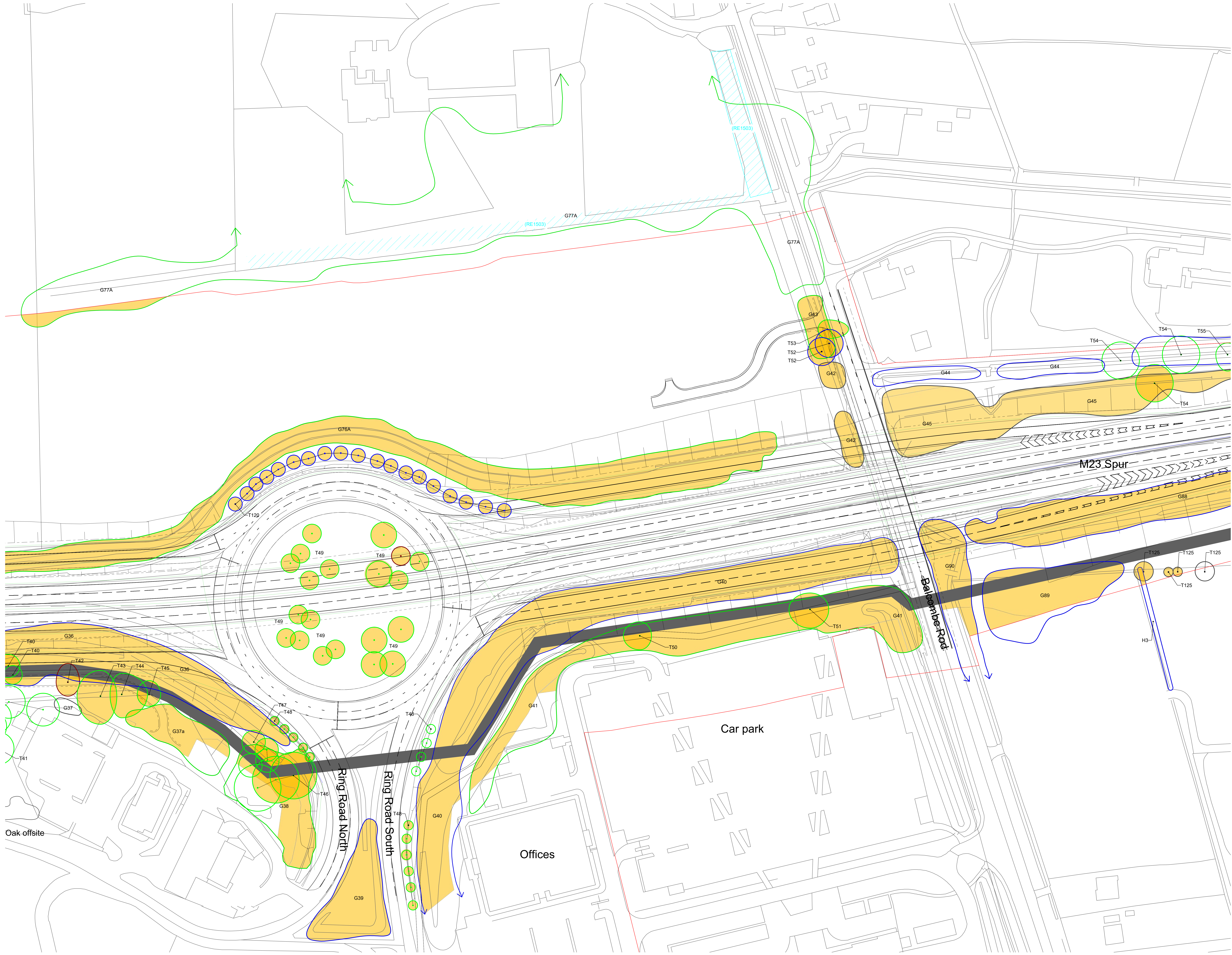


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Legend

-  Site Boundary
 -  Tree loss required for construction
 -  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 -  T1#
 -  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 -  T1#
 -  Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
 -  Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
 -  H1
- BS 5837:2012 Tree Quality Categories - Table 1
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NOTE:
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**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 6 of 9**







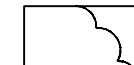
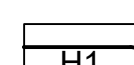
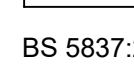




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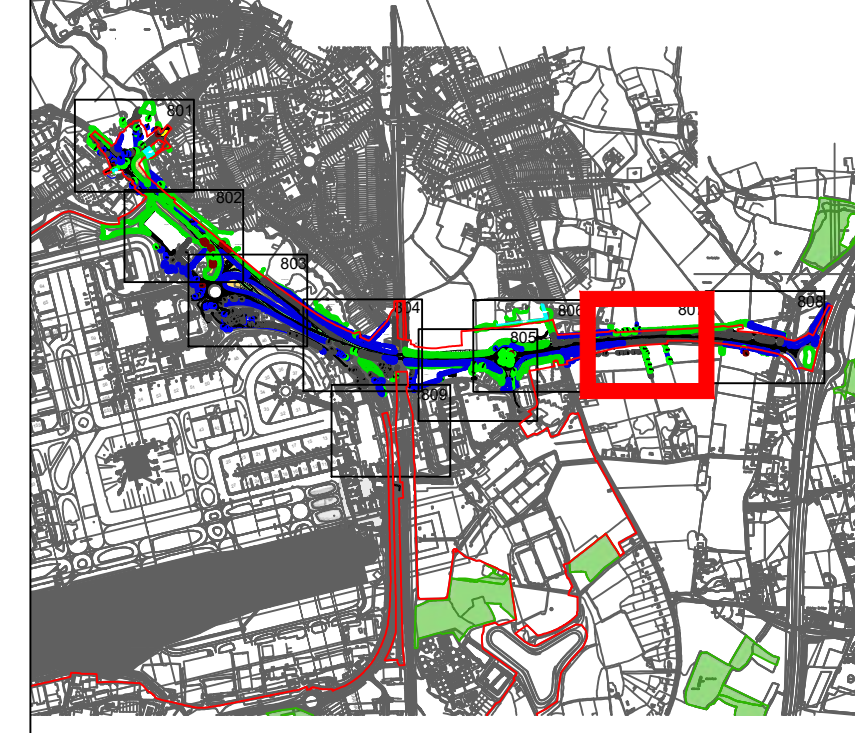
Legend

-  Site Boundary
 -  Tree loss required for construction
 -  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 -  T1#
 -  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.
 -  Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
 -  Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
 -  H1
- BS 5837:2012 Tree Quality Categories - Table 1
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-  Tree protected by Tree Preservation Order. Bracketted number reference relates to the TPO Schedule.

NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.



Key Plan

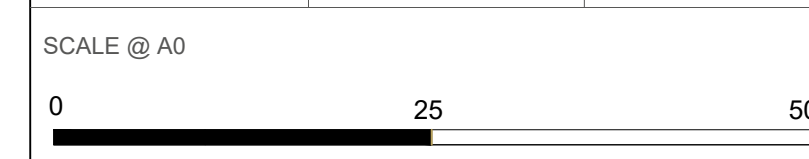


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 M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 7 of 9

DATE
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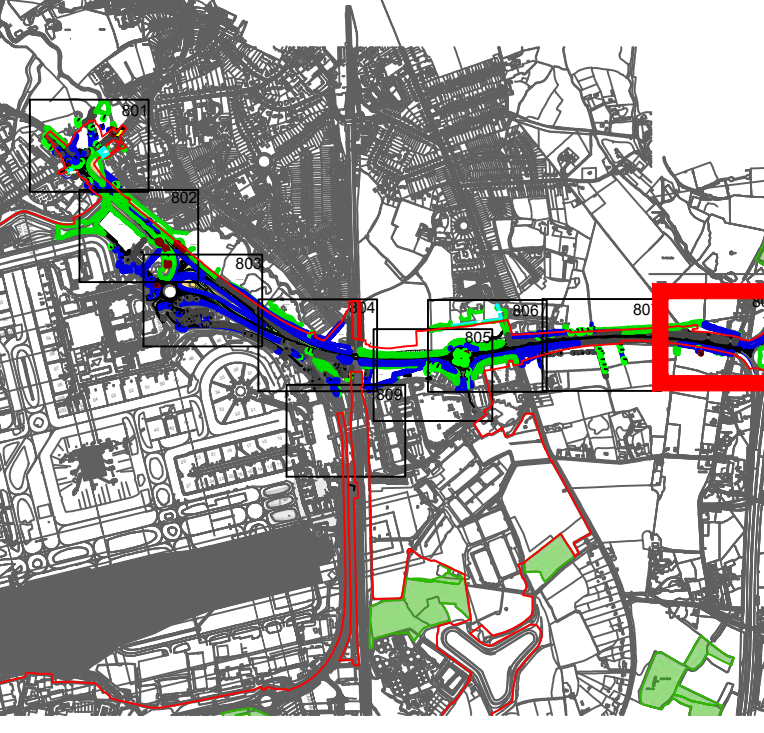


Legend

- Site Boundary
 - Tree loss required for construction
 - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.

Key Plan

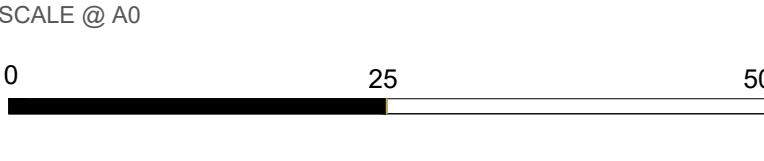


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**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 8 of 9**

DATE
July 2023



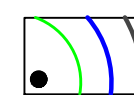
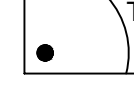
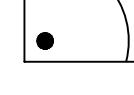
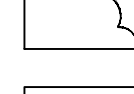
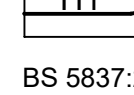







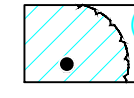
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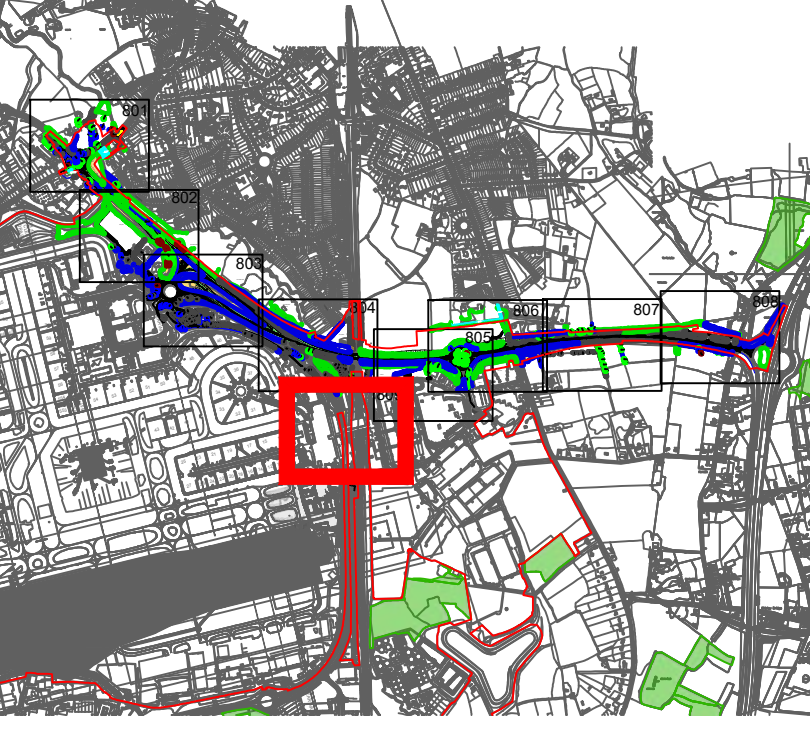


Legend

-  Site Boundary
 -  Tree loss required for construction
 -  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 -  T1#
 -  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category.
 -  T1#
 -  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 -  Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
 -  Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
 -  H1
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NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.

Key Plan



10

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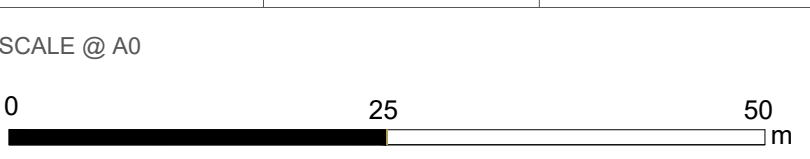
Environmental Statement

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**M23 & A23 Tree Removal Plans
 Appendix 8.10.1
 Sheet 9 of 9**

DATE **July 2023**





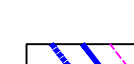


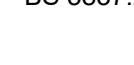







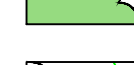
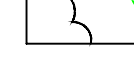

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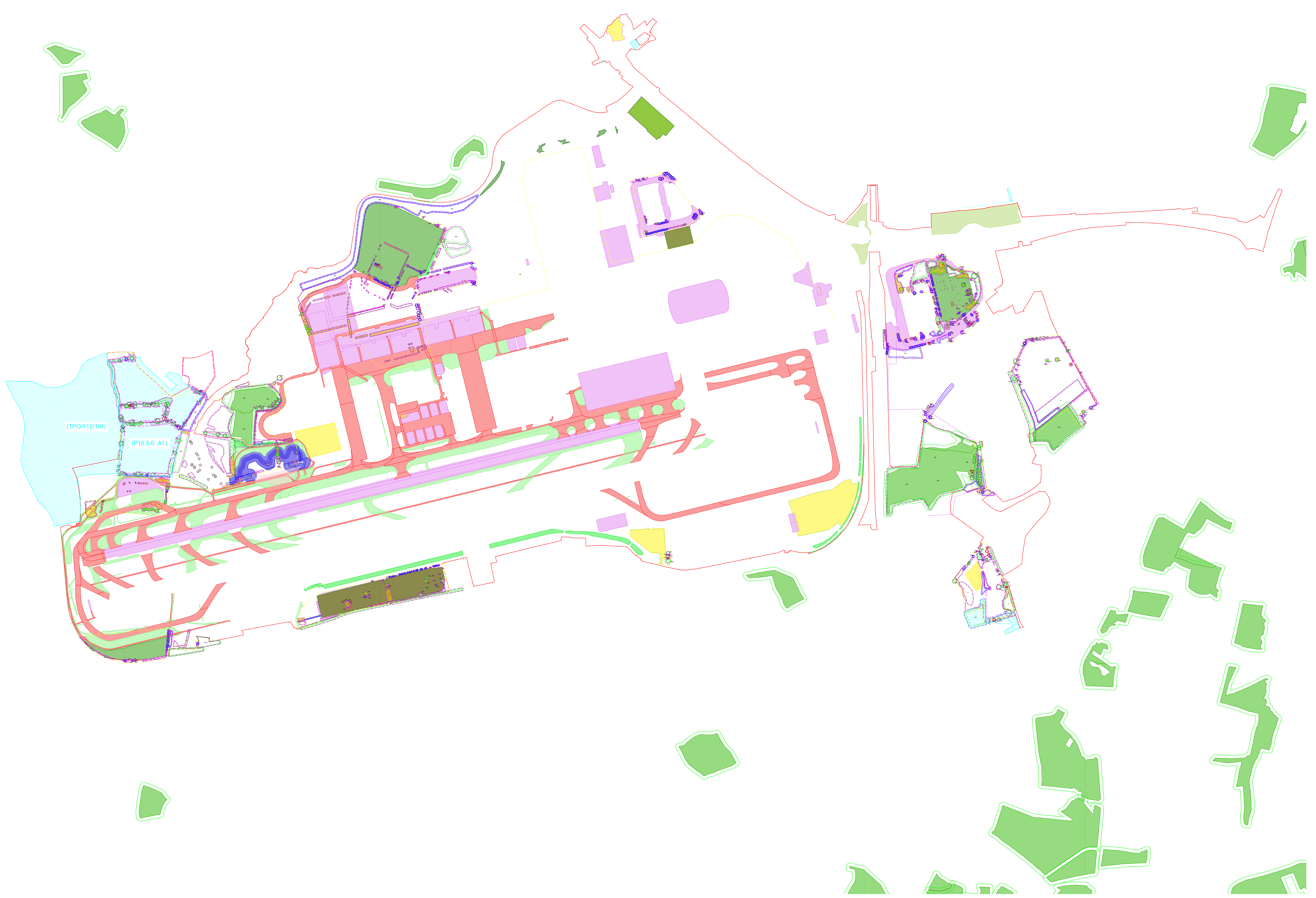


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Appendix I
Airport Preliminary Tree Removal Plans

Key

-  Red Line boundary.
 -  Survey boundary.
 -  Tree with numbered reference.
Canopy spread and coloured BS5837:2012 tree quality category as shown below.
• = Tree details estimate (accessible tree)
• = Tree in off site location
 -  Tree group plotted with individual stem locations and numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below.
 -  Tree or Vegetation group with numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative stem line.
 -  Hedge with numbered reference. Canopy extents and coloured BS5837:2012 tree quality category as shown below and dashed line to show hedge centerline.
 -  Woodland with numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative tree line.
- BS 5837:2012 Tree Quality Categories - Table 1**
-  Category A - High quality
 -  Category B - Moderate quality
 -  Category C - Low quality
 -  Category U - Unsuitable for retention
-  Direction of first significant branch
 -  Root protection area (RPA). Calculated in accordance with Section 4.6 - BS5837:2012
 -  Veteran tree buffer (15 x stem Ø) (as per standing advice produced by Forestry England and Natural England)
 -  Tree protected by Tree Preservation Order. Bracketted number reference relates to the TPO Schedule.
 -  Designated Ancient Woodland (as per Natural England ancient woodland inventory, via open data publication)
 -  Ancient Woodland tree buffer (15m offset) (as per standing advice produced by Forestry England and Natural England)
 -  Tree to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.
- NOTES:**
- Refer to TPO's Tree Survey Report & Schedule for further details.
 - Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
 - Files produced in accordance with recommendations set out in BS 5837:2012 - 'Trees in Relation to design, demolition and construction'.
 - Due to the legal protection afforded to breeding birds, vegetation removal should not take place during the bird nesting period; generally, although not restricted to, March - August inclusive.
 - Survey based upon Aerial Photography and trees located by eye.



DOCUMENT

Environmental Statement

DRAWING TITLE

**Airport Preliminary Tree Removal Plans
Appendix 8.10.1
Overview**

DATE

January 2024

ORIENTATION



DRAWING NO.

735

REVISION

For ES Issue

DRAWN BY

RC

PM / CHECKED BY

DC

SCALE @ A0

Custom Scale

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Key

- Red Line boundary.
- Survey boundary.
- Tree with numbered reference. Canopy spread and coloured BS5837:2012 tree quality category as shown below.
 - Tree details estimate (inaccessible tree)
 - Tree in off site location
- G1 Tree group plotted with individual stem locations and numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below.
- G1 Tree or Vegetation group with numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative stem line.
- H1 Hedge with numbered reference. Canopy extents and coloured BS5837:2012 tree quality category as shown below and dashed line to show hedge centerline.
- W1 Woodland with numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative tree line.

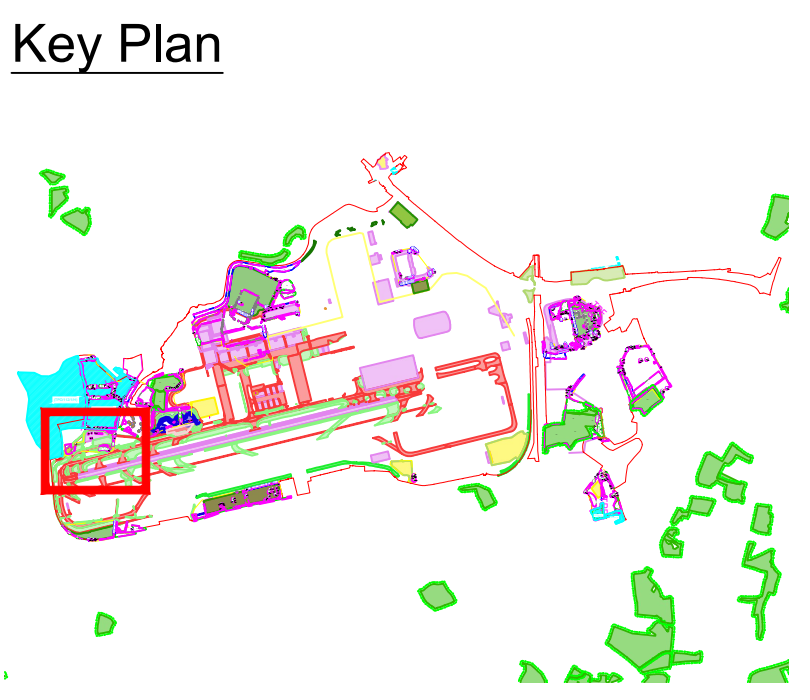
BS 5837:2012 Tree Quality Categories - Table 1

- Category A - High quality
- Category B - Moderate quality
- Category C - Low quality
- Category U - Unsuitable for retention

- Direction of first significant branch
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NOTES:

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DOCUMENT

Environmental Statement

DRAWING TITLE

**Airport Preliminary Tree Removal Plans
Appendix 8.10.1
Sheet 1 of 13**

DATE

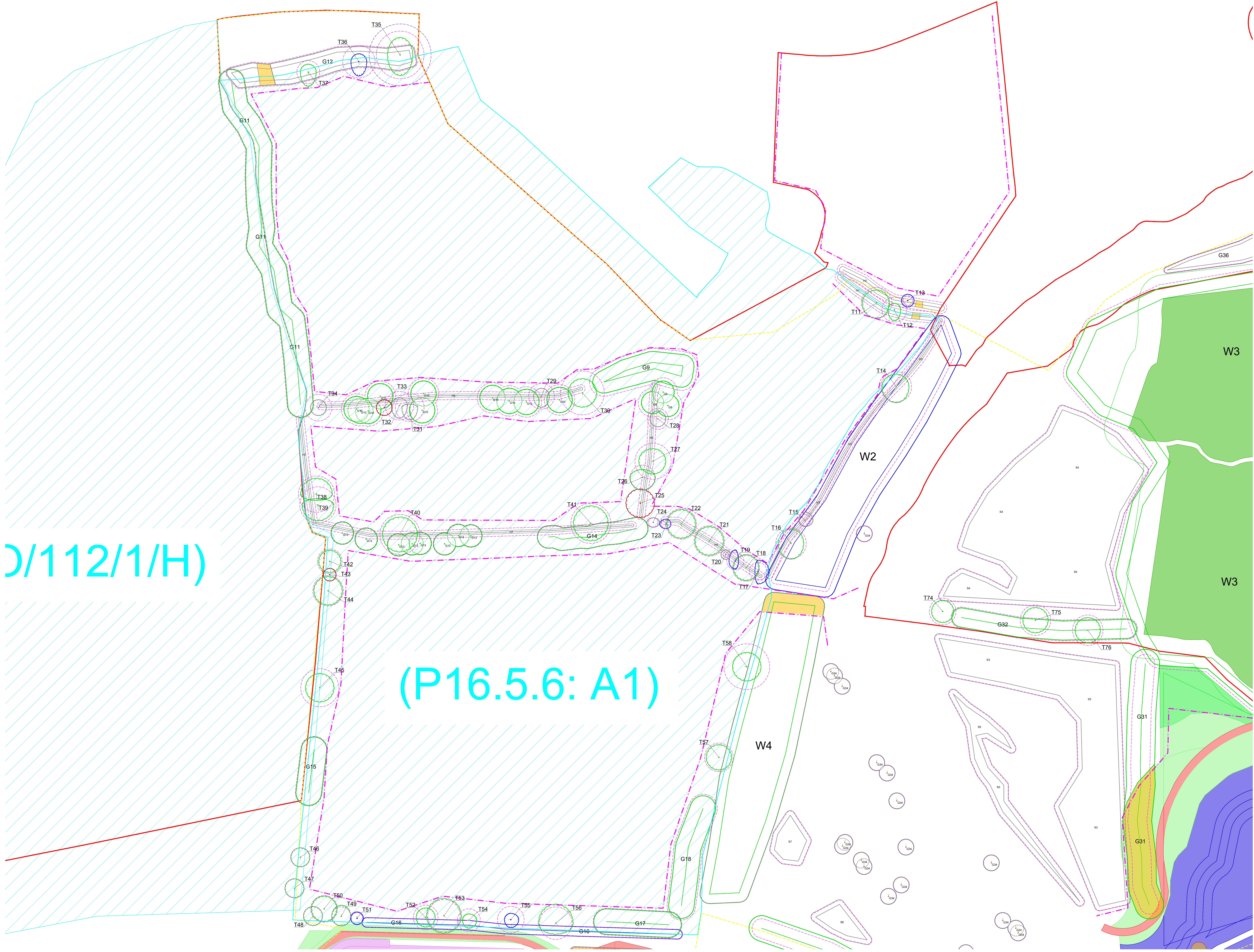
January 2024

ORIENTATION	DRAWING NO.	REVISION
	736	For ES Issue
	DRAWN BY	PM / CHECKED BY
	RC	DC

SCALE @ A0

0m 25m 50m

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D/112/1/H)

(P16.5.6: A1)

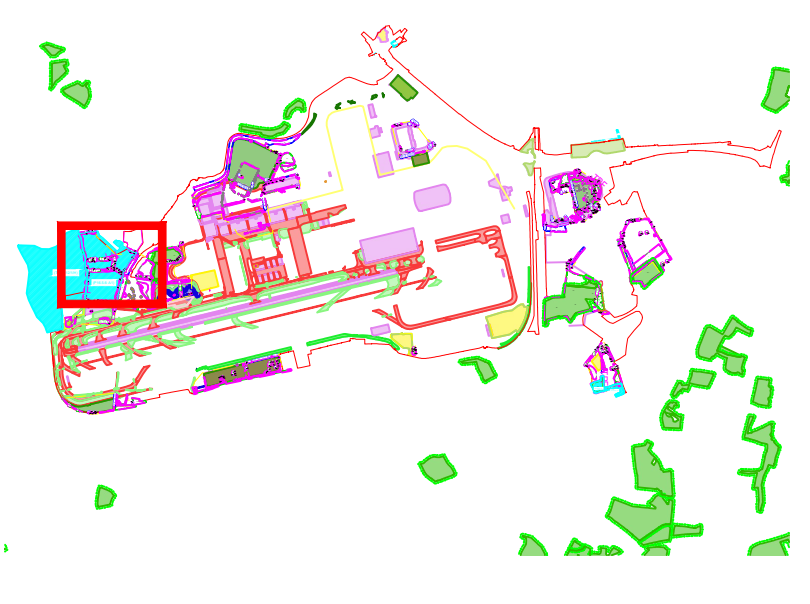
Key

- Red Line boundary.
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Key Plan



DOCUMENT

Environmental Statement

DRAWING TITLE

Airport Preliminary Tree Removal Plans
Appendix 8.10.1
Sheet 2 of 13

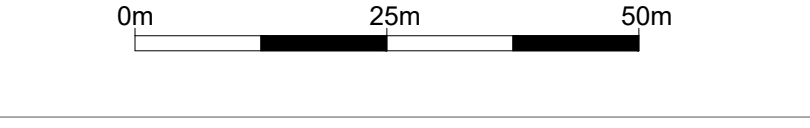
DATE

January 2024

ORIENTATION

N ▲	DRAWING NO.	REVISION
	737	For ES Issue
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	RC	DC

SCALE @ A0



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5.6: A1)

Key

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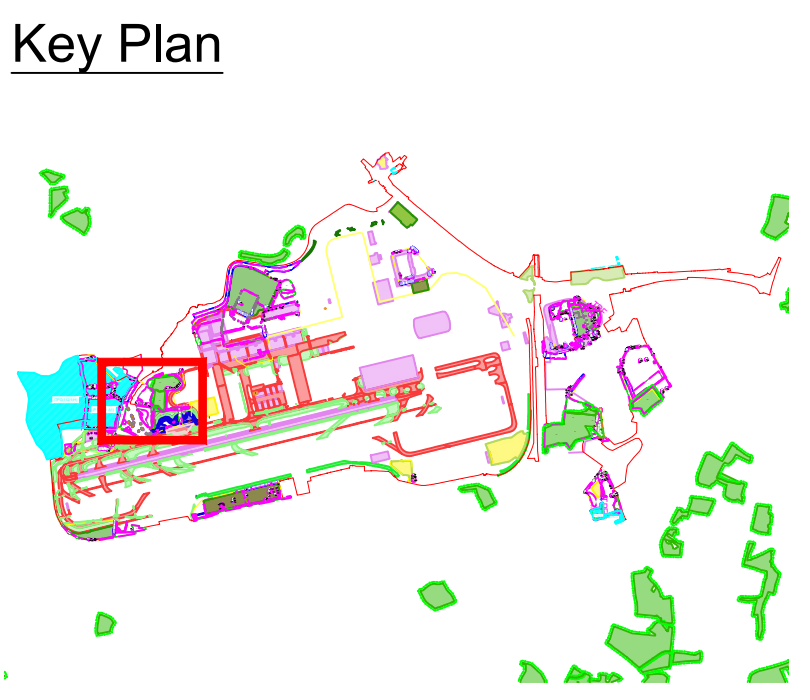
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DOCUMENT

Environmental Statement

DRAWING TITLE

**Airport Preliminary Tree Removal Plans
Appendix 8.10.1
Sheet 3 of 13**

DATE

January 2024

ORIENTATION	DRAWING NO.	REVISION
N	738	For ES Issue
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