



Gatwick Airport Northern Runway Project

Environmental Statement

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

- Tracked Version

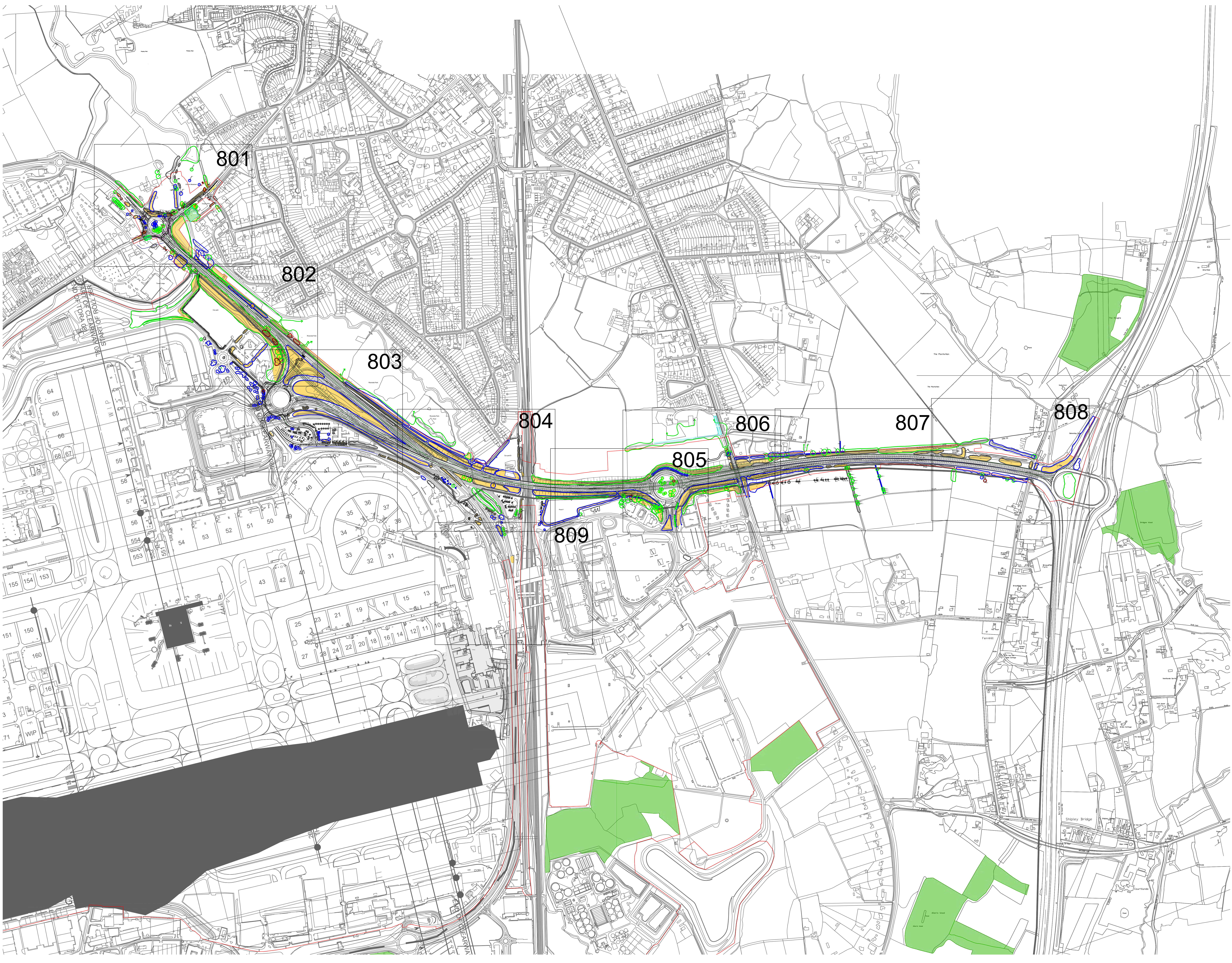
Book 5

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.
 - TPO
 - 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**







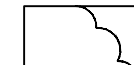
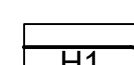
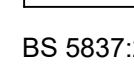


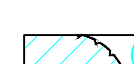


DATE
July 2023

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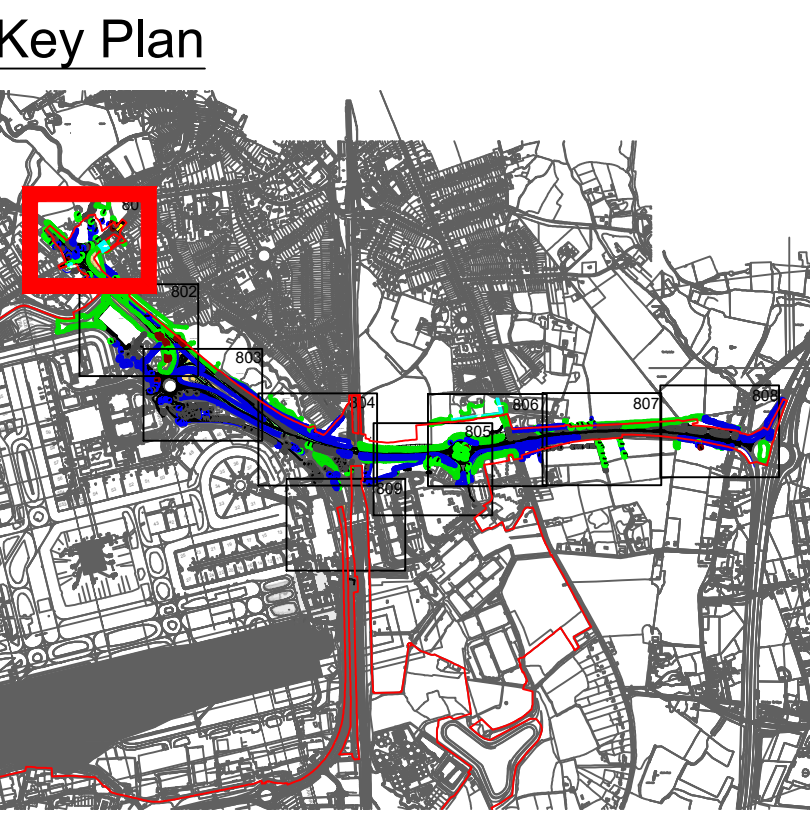
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Legend

-  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

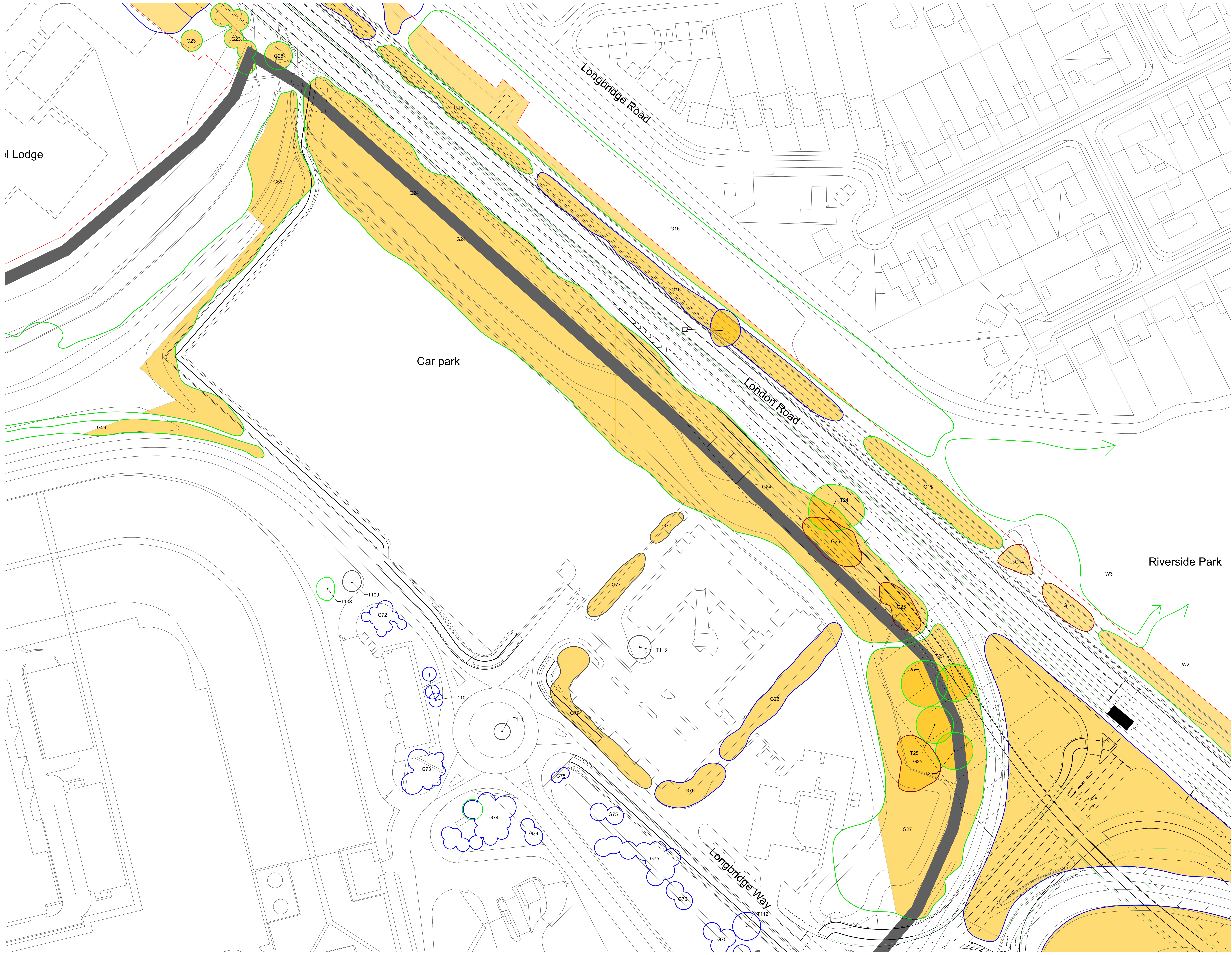
DRAWING TITLE
M23 & A23 Tree Removal Plans
Appendix 8.10.1
Sheet 1 of 9

DATE
July 2023

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l Lodge

Car park

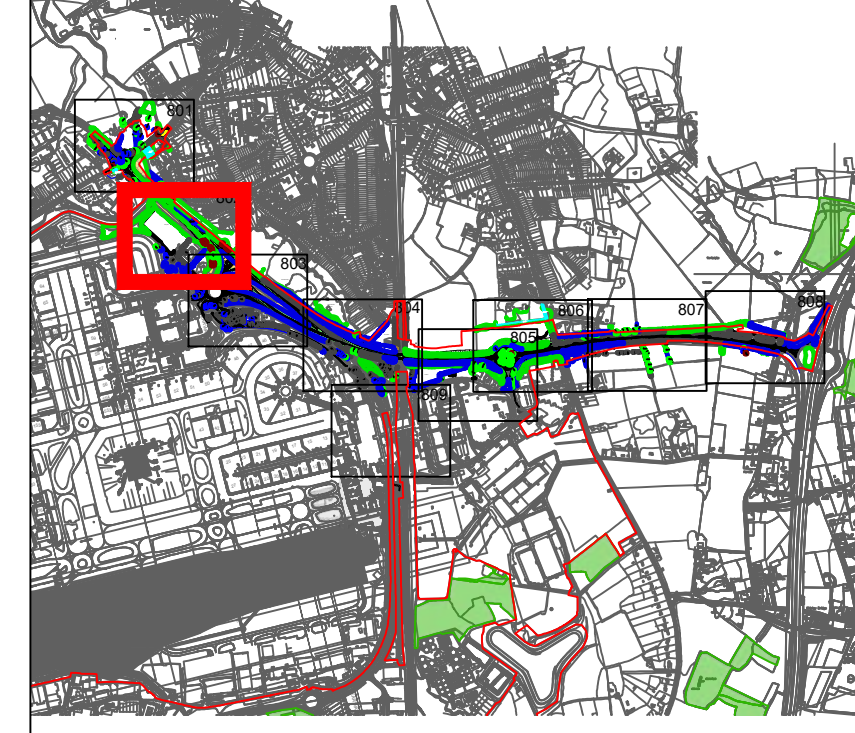
Riverside Park

Legend

- Site Boundary
 - Tree loss required for construction
 - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - T1B
 - 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
- 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.

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

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For ES Issue

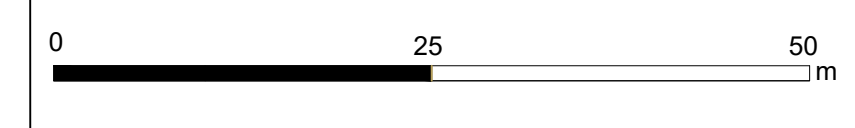
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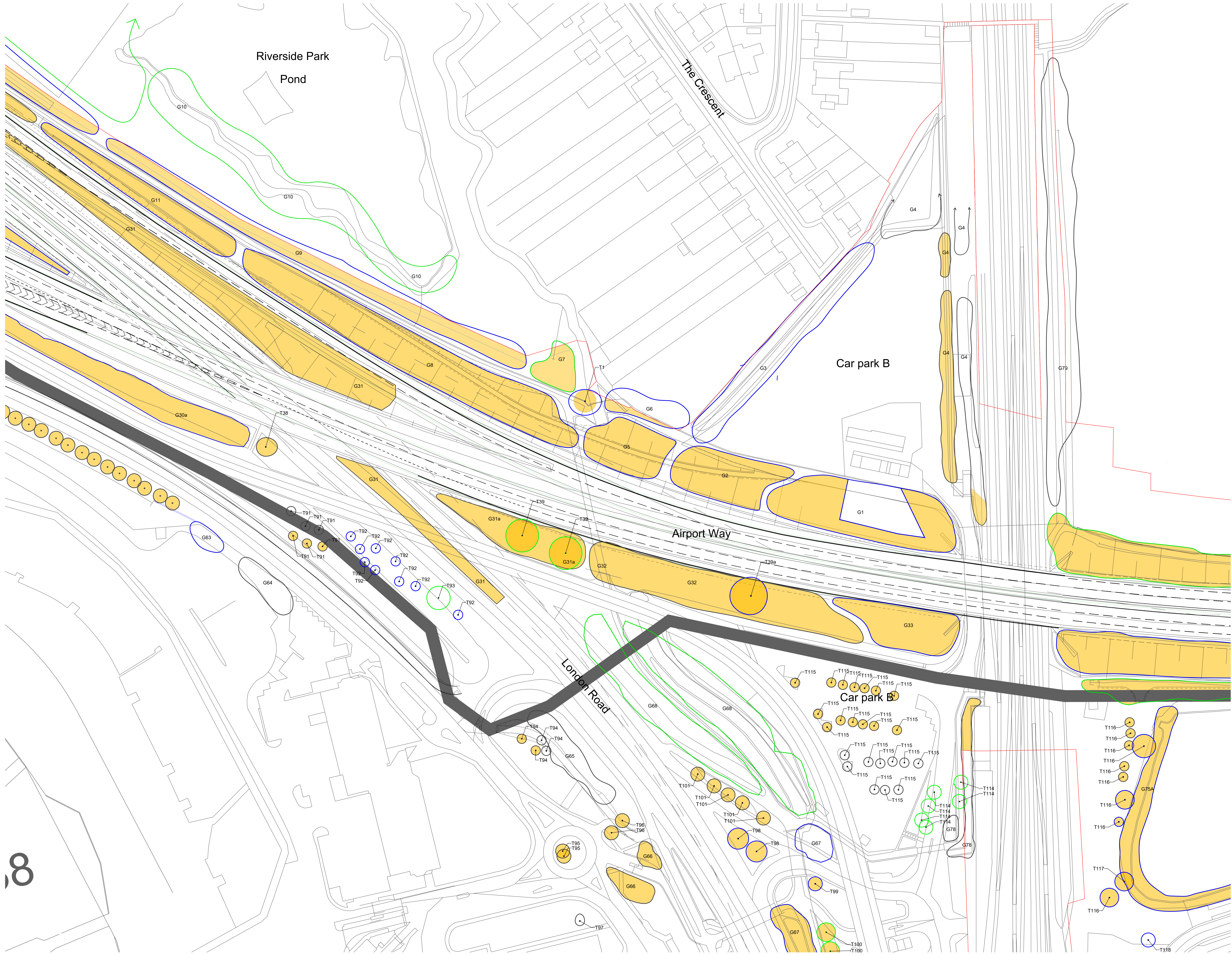
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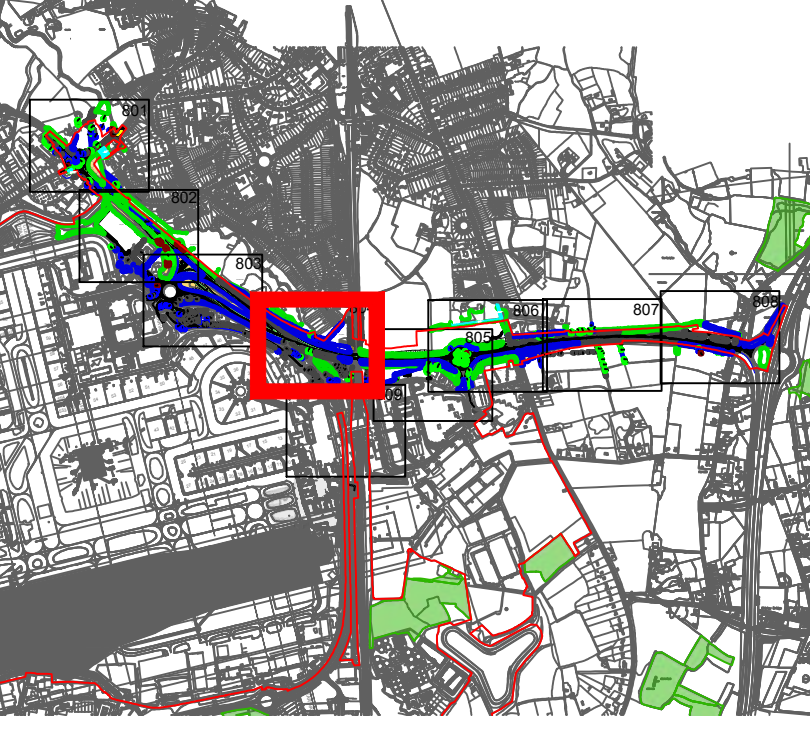


Legend

- Site Boundary
 - Tree loss required for construction
 - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - 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.
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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 4 of 9**

DATE

July 2023

ORIENTATION



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804

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For ES Issue

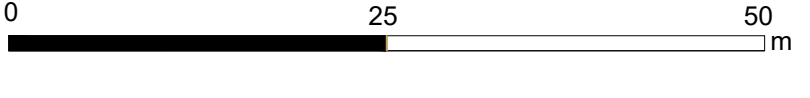
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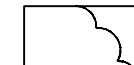
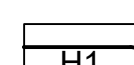
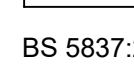




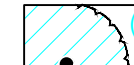
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8

Legend

-  Site Boundary
 -  Tree loss required for construction
 -  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 -  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.
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- BS 5837:2012 Tree Quality Categories - Table 1
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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 5 of 9**

DATE

July 2023

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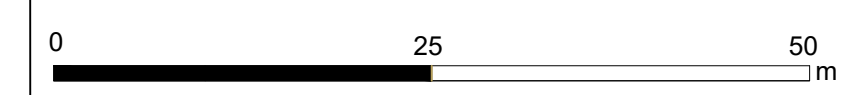
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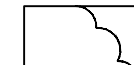
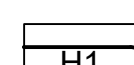
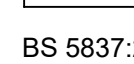



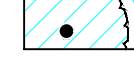
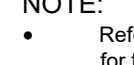











































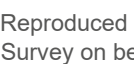
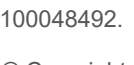
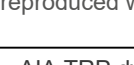
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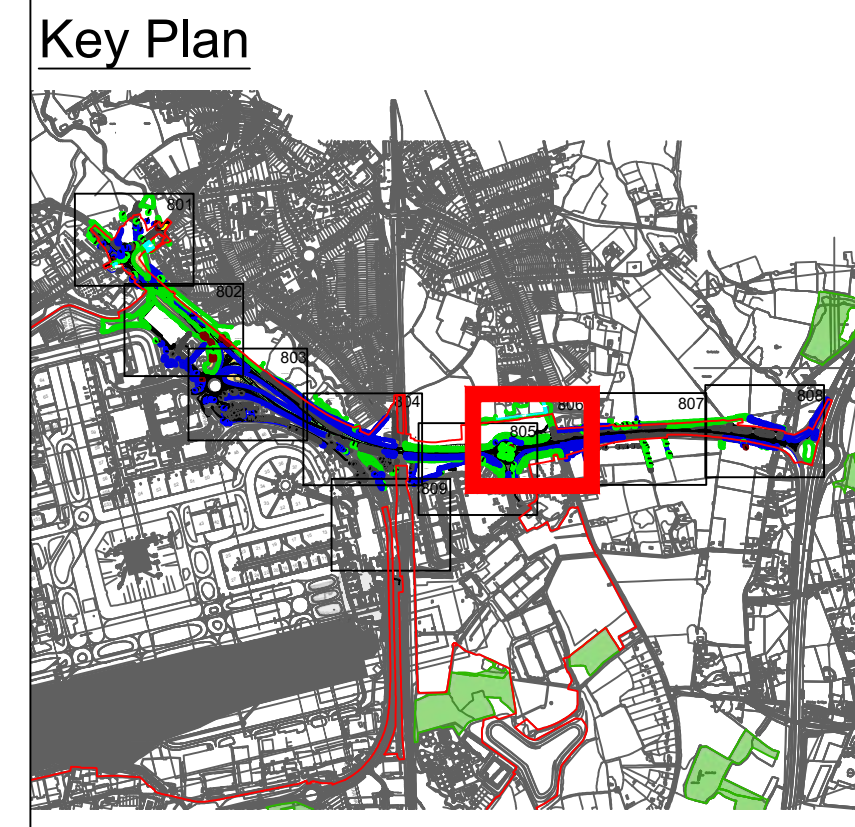
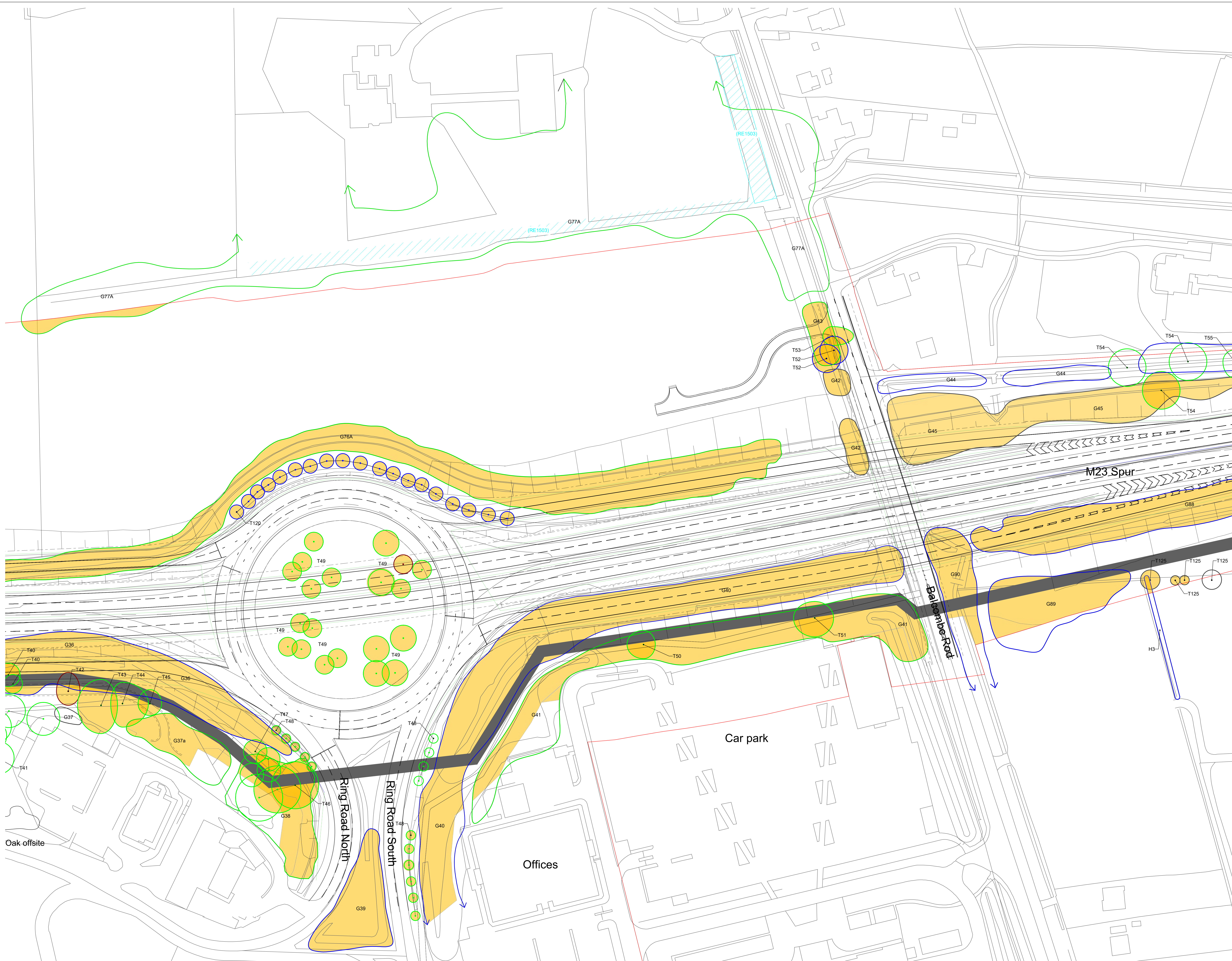
-  Site Boundary
-  Tree loss required for construction
-  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1A
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1C
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1E
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1G
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1I
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1K
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1M
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1O
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1Q
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1S
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1U
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1W
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1AA
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1AC
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1AE
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1AI
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1AY
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1BA
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1BC
-  Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
-  T1BE

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

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M23 & A23 Tree Removal Plans Appendix 8.10.1 Sheet 6 of 9

DATE

July 2023

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	RC	DC







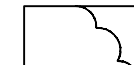
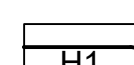
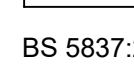


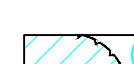

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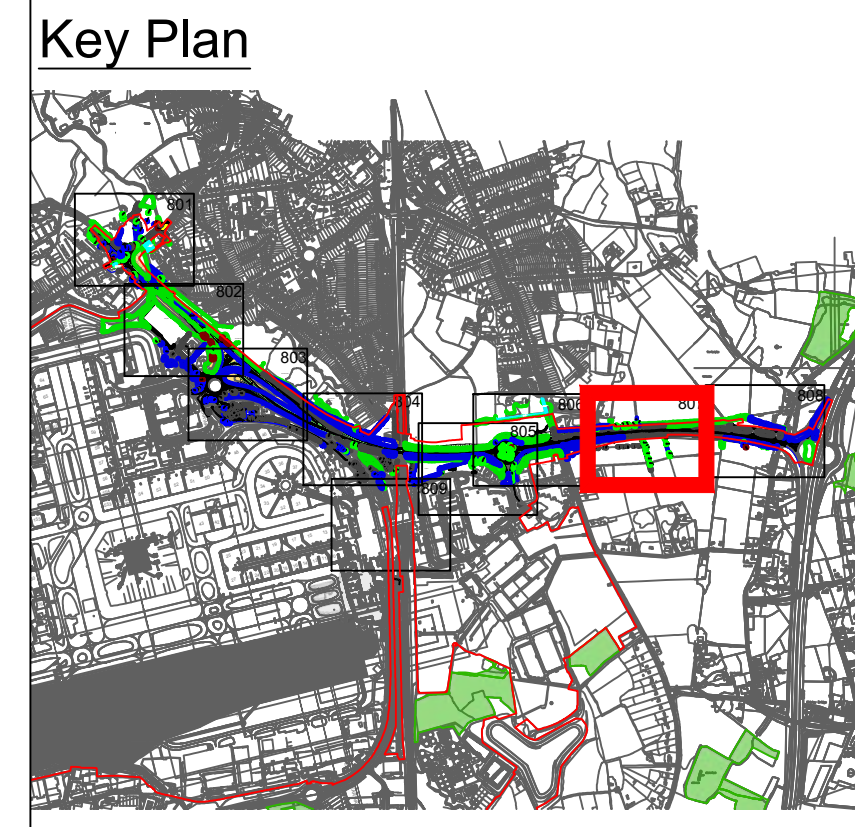
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Legend

-  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.
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 -  Hedge with numbered reference. Width and BS5837:2012 tree quality category as shown below.
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NOTE:
 • Refer to RPS Tree Survey Report & Schedule for further details.



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

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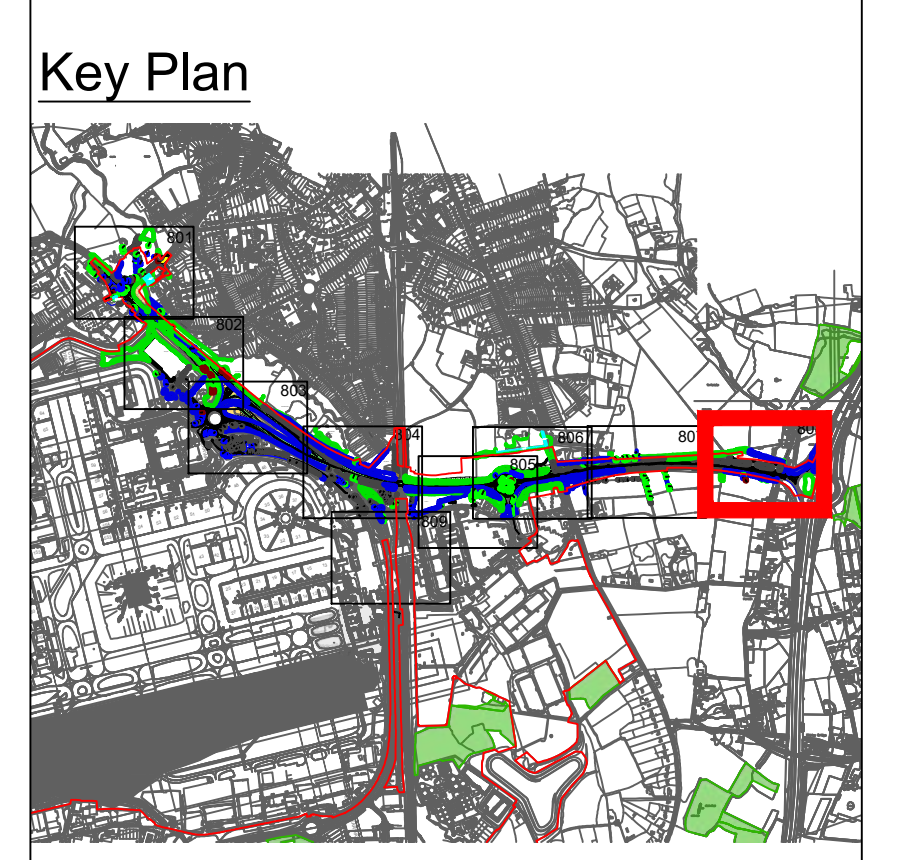
- Site Boundary
- Tree loss required for construction
- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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BS 5837:2012 Tree Quality Categories - Table 1

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



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

DATE

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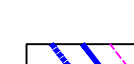




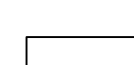
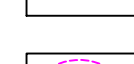
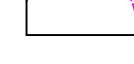
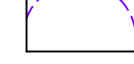
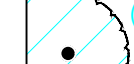


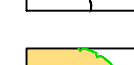

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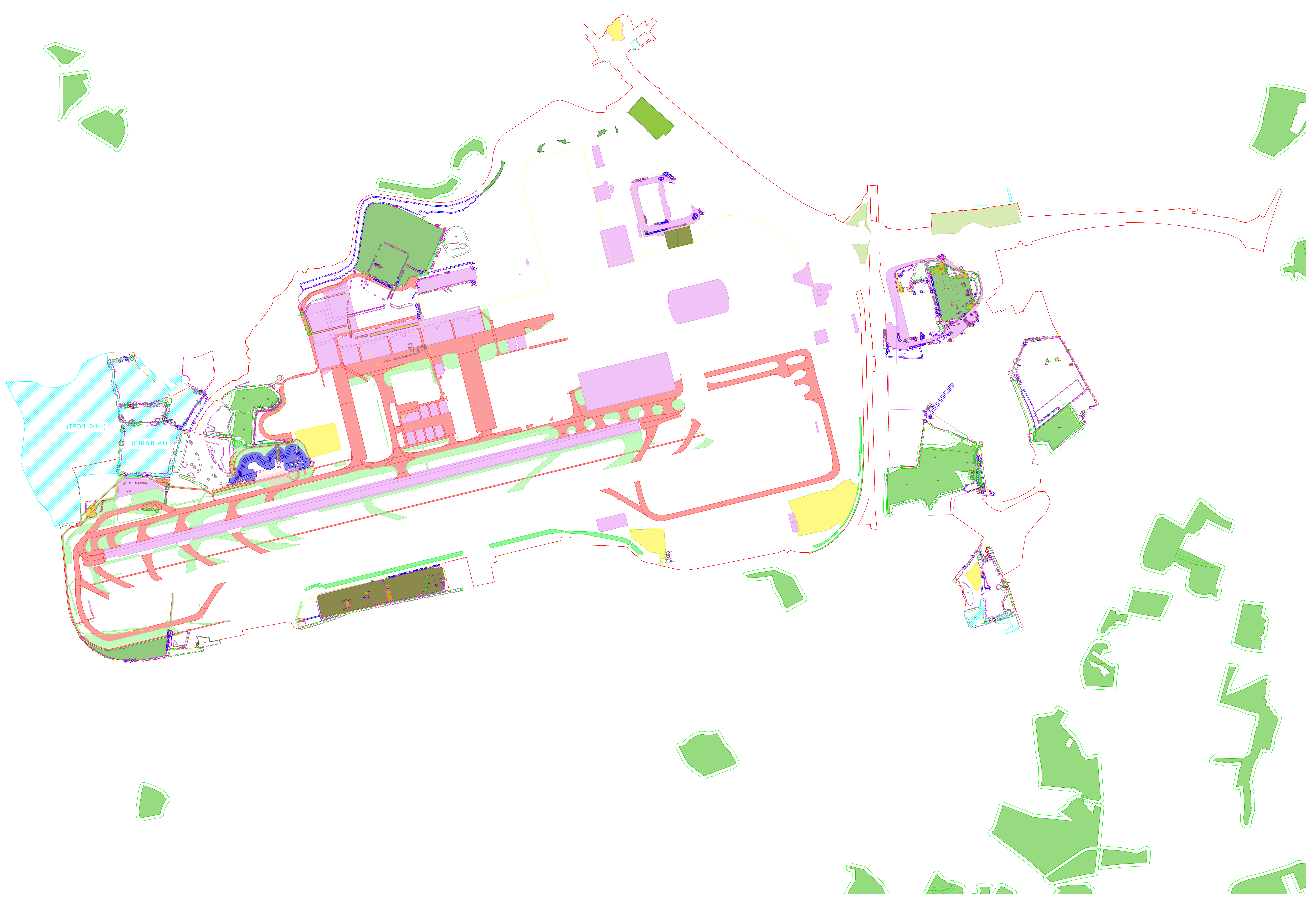
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Appendix I
Airport Preliminary Tree Removal Plans

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. Bracketed 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 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.	REVISION
735	For ES Issue

DRAWN BY	PM / CHECKED BY
RC	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.

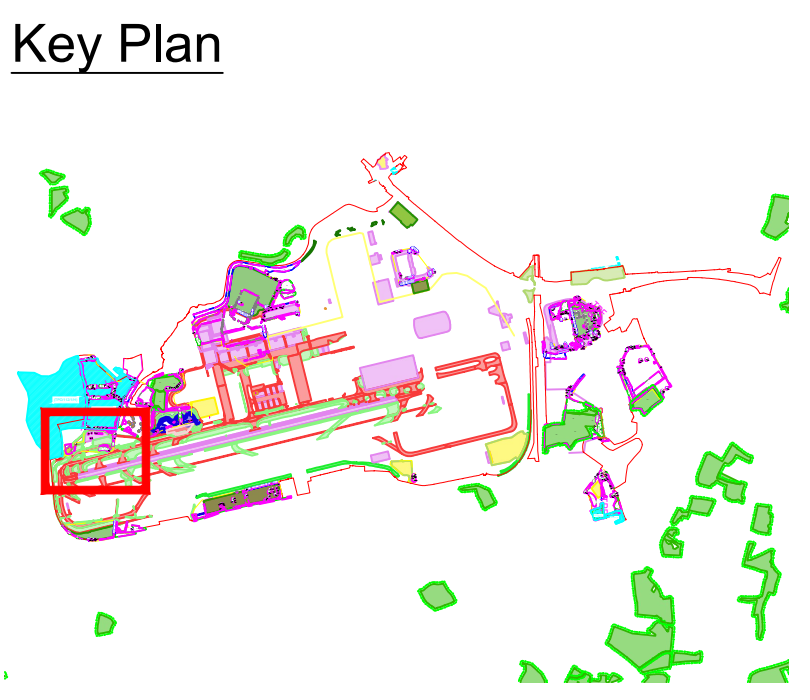
BS 5837:2012 Tree Quality Categories - Table 1

- 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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DOCUMENT

Environmental Statement

DRAWING TITLE

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

DATE

January 2024

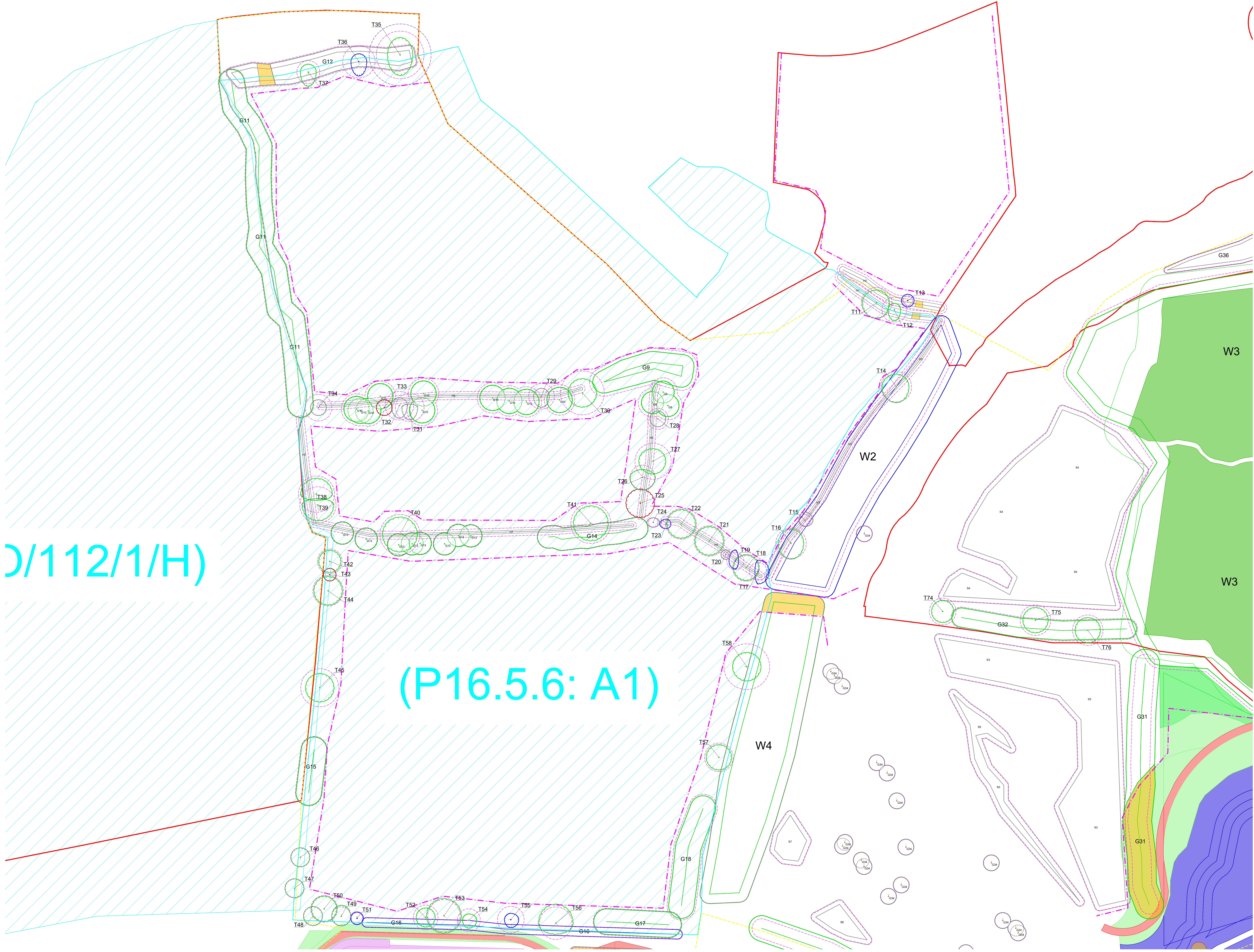
ORIENTATION	DRAWING NO.	REVISION
	736	For ES Issue
	DRAWN BY	PM / CHECKED BY
	RC	DC

SCALE @ A0

0m 25m 50m

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D/112/1/H)

(P16.5.6: A1)

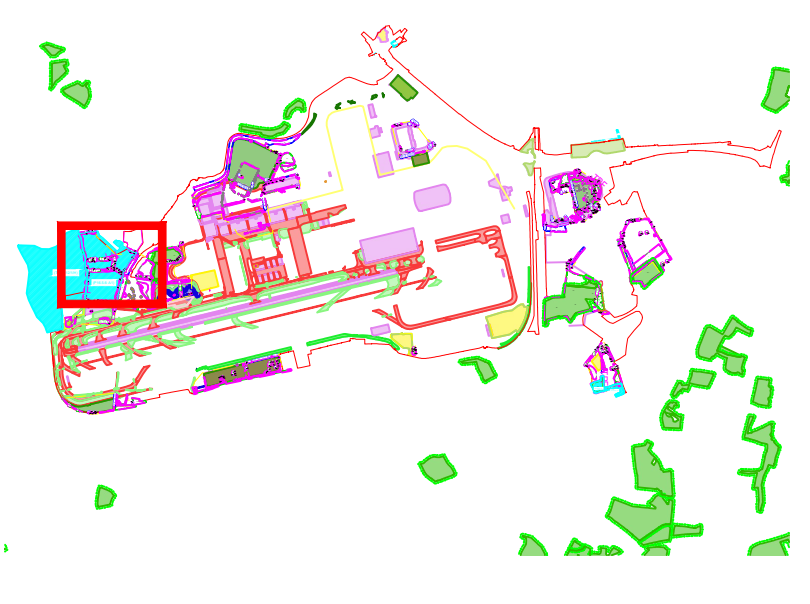
Key

- Red Line boundary.
 - 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.
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 - 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.
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 - Ancient Woodland tree buffer (15m offset) (as per standing advice produced by Forestry England and Natural England)
 - Trees to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.

NOTES:

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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

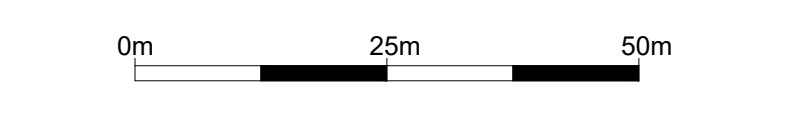
January 2024

ORIENTATION



DRAWING NO.	REVISION
737	For ES Issue
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SCALE @ A0



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5.6: A1)

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Key Plan



DOCUMENT
Environmental Statement

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

DATE
January 2024

ORIENTATION N	DRAWING NO. 738	REVISION For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC

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0m 25m 50m

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