



Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 8.10.1 – Tree Survey Report and Arboricultural Impact Assessment - Part 4

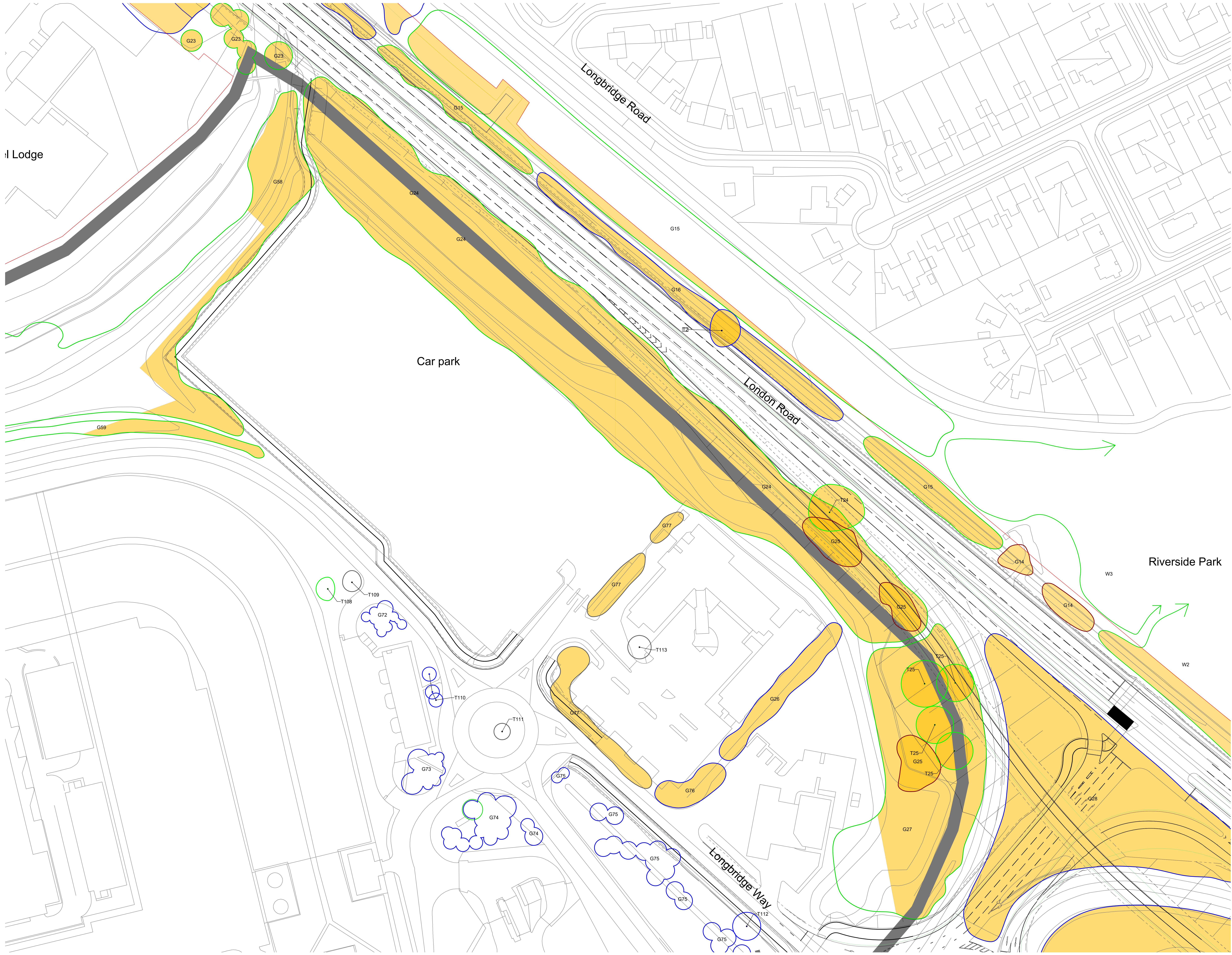
Book 5

VERSION: 1.0

DATE: MARCH 2024

Application Document Ref: 5.3

PINS Reference Number: TR020005



l Lodge

Car park

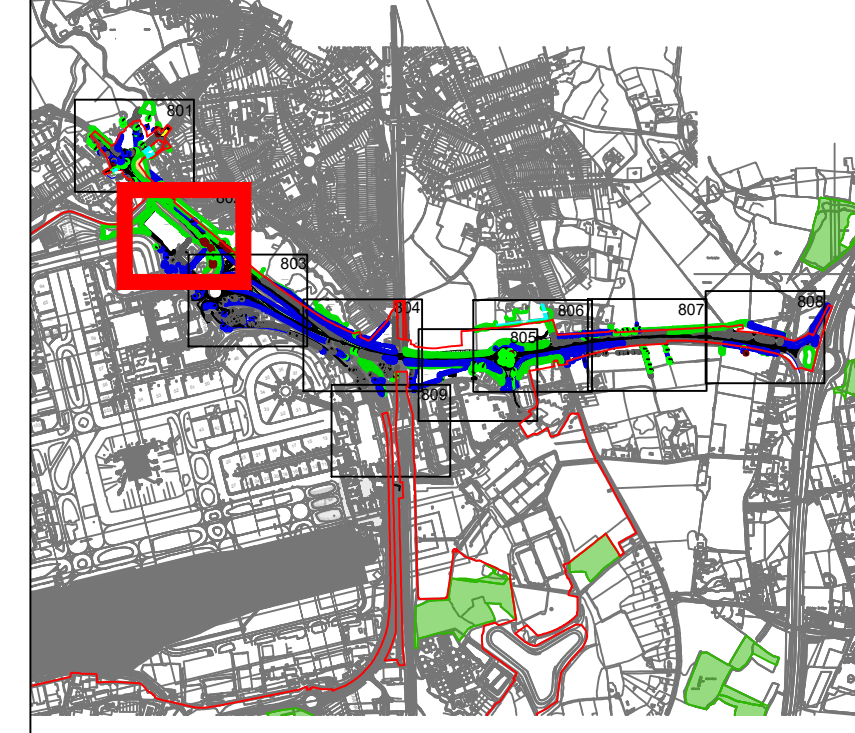
Riverside Park

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
 - 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

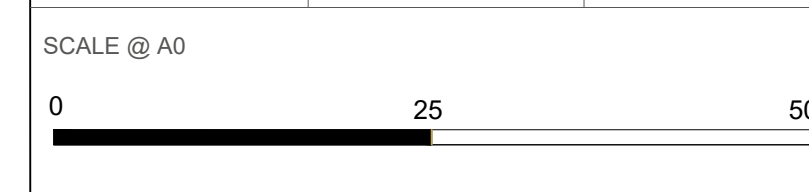


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Environmental Statement

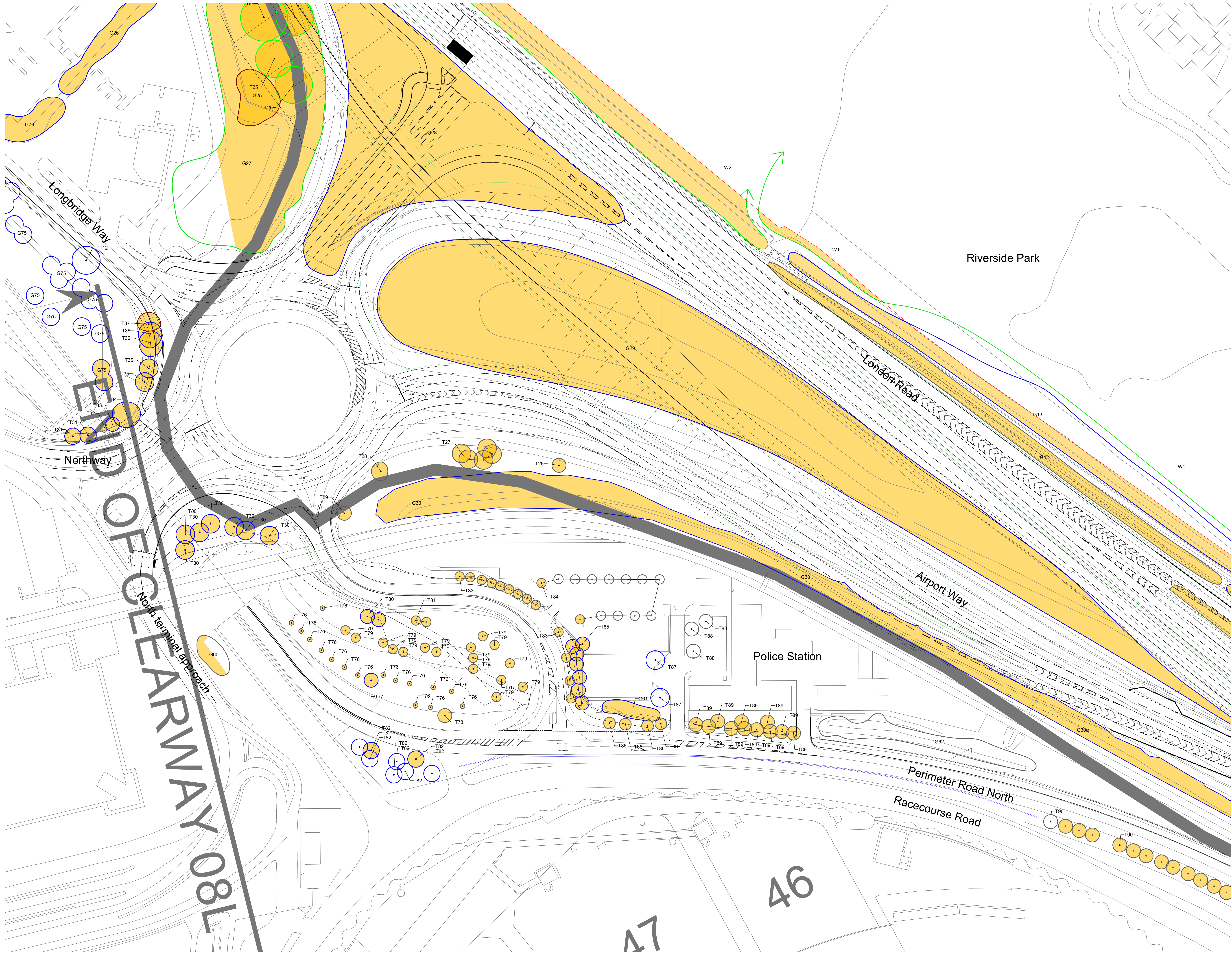
DRAWING TITLE
M23 & A23 Preliminary Tree Removal Plans
 Appendix 8.10.1
 Sheet 2 of 9

DATE
 July 2023

ORIENTATION N	DRAWING NO. 802	REVISION For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC



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Legend

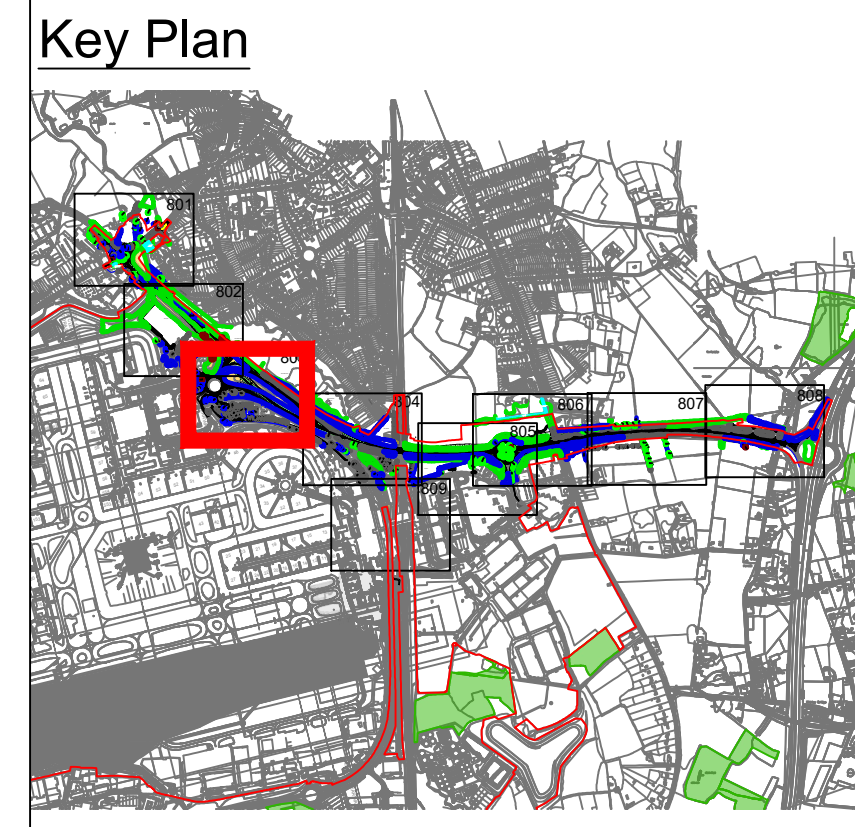
- Site Boundary
- Tree loss required for construction
- Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Tree off-site with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
- Vegetation group with numbered reference.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



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Environmental Statement

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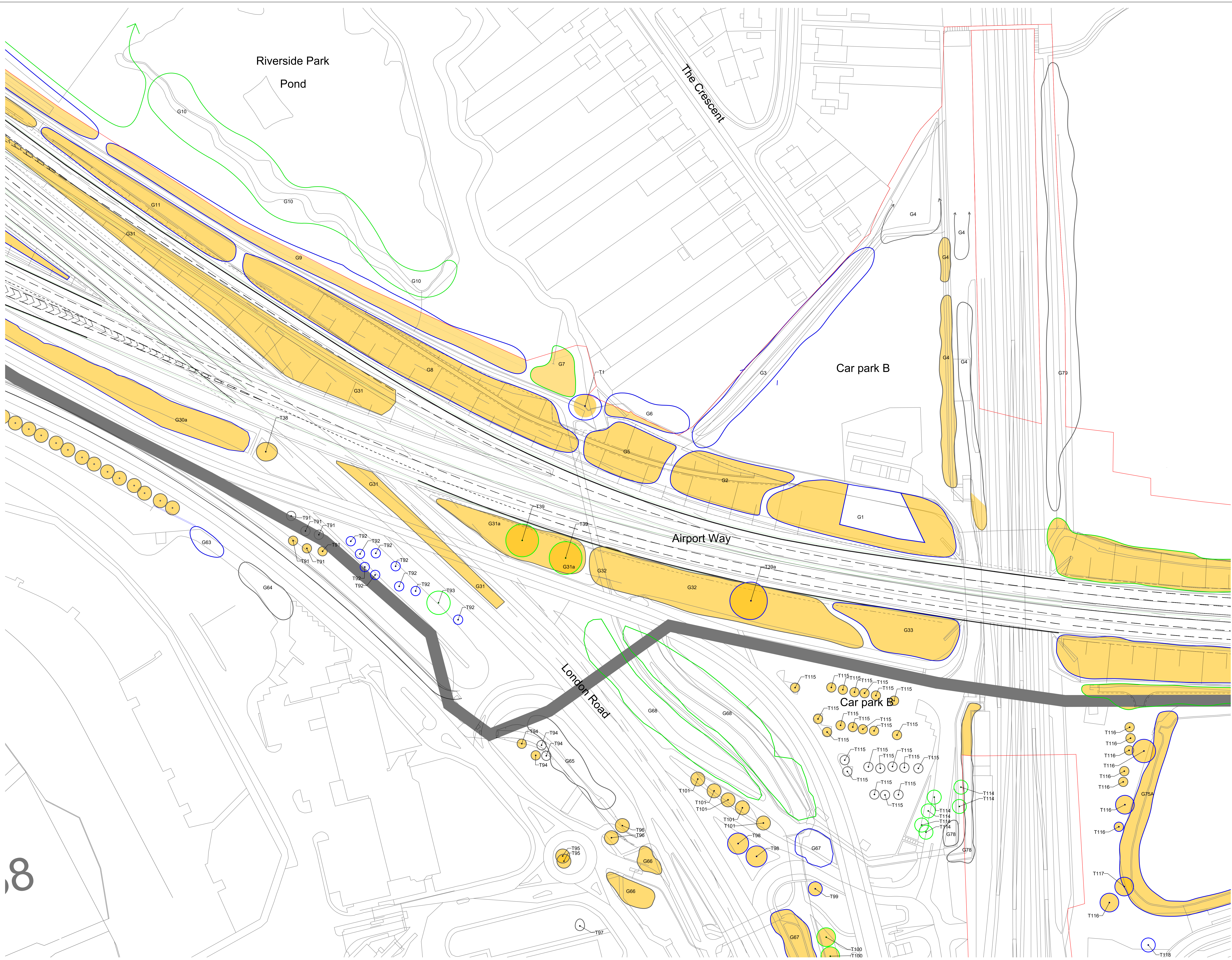
DATE
 July 2023

ORIENTATION N	DRAWING NO. 803	REVISION For ES Issue
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SCALE @ A0
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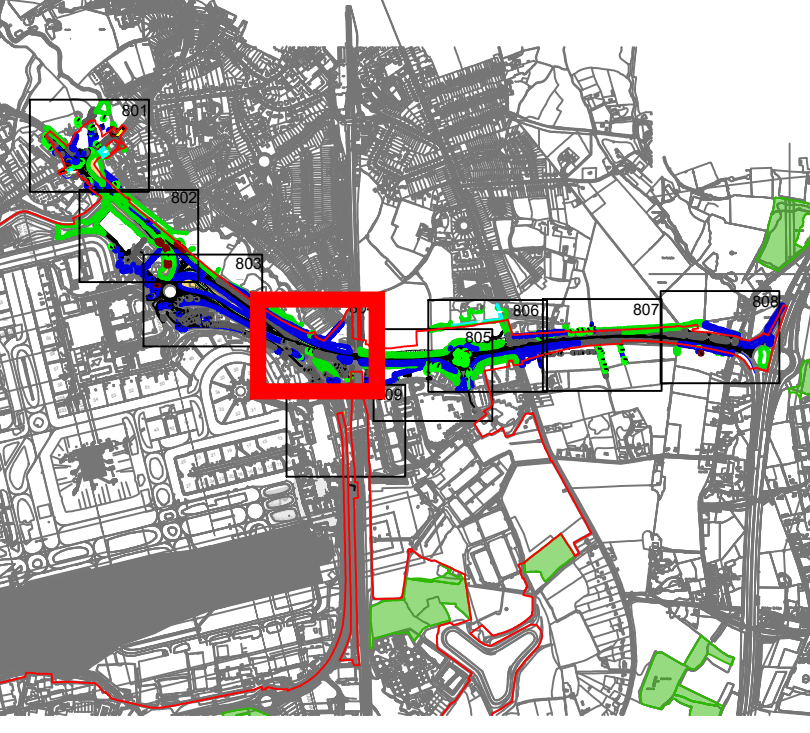


Legend

- 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.
- 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

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

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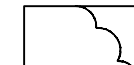
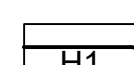
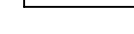
ORIENTATION	DRAWING NO.	REVISION
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	RC	DC




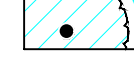
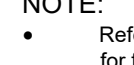
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Legend

-  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
-  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




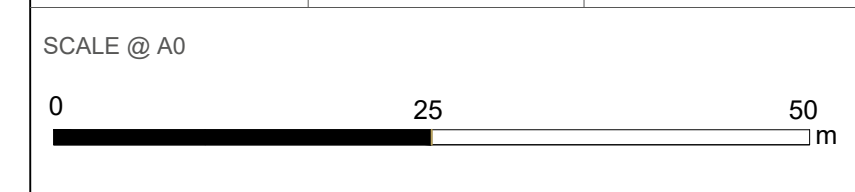
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M23 & A23 Preliminary Tree Removal Plans
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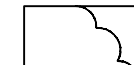
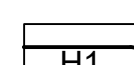
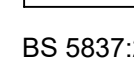


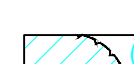

DATE
July 2023

ORIENTATION N 	DRAWING NO. 805	REVISION For ES Issue
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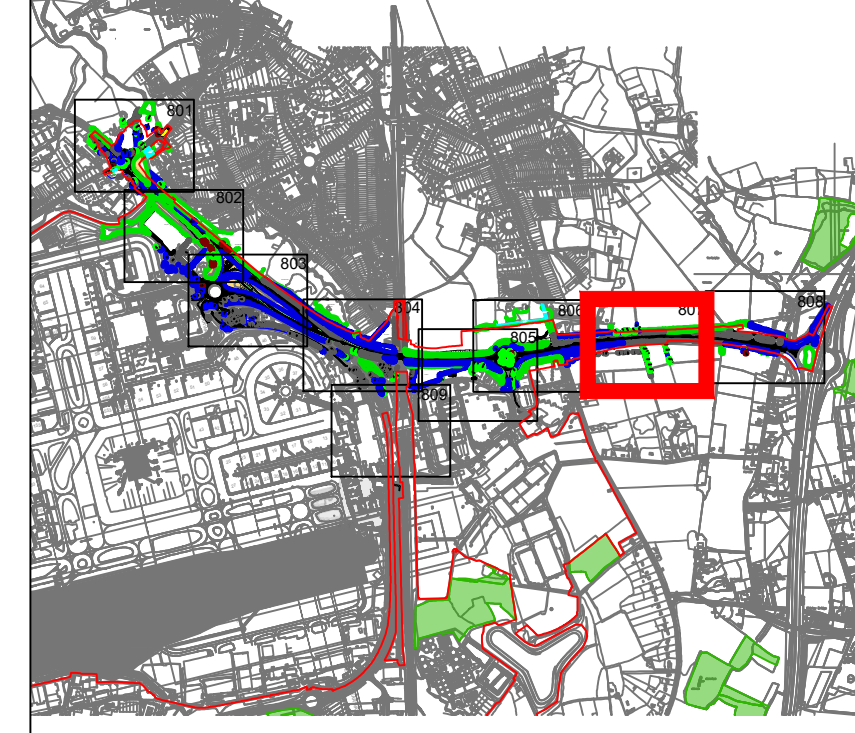
Legend

-  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
-  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

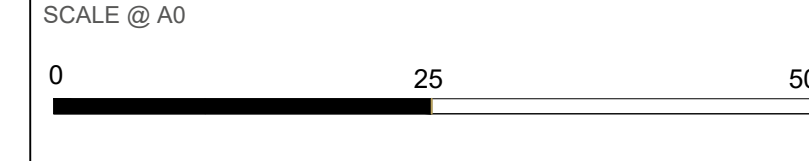


DOCUMENT
 Environmental Statement

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

DATE
 July 2023

ORIENTATION N	DRAWING NO. 807	REVISION For ES Issue
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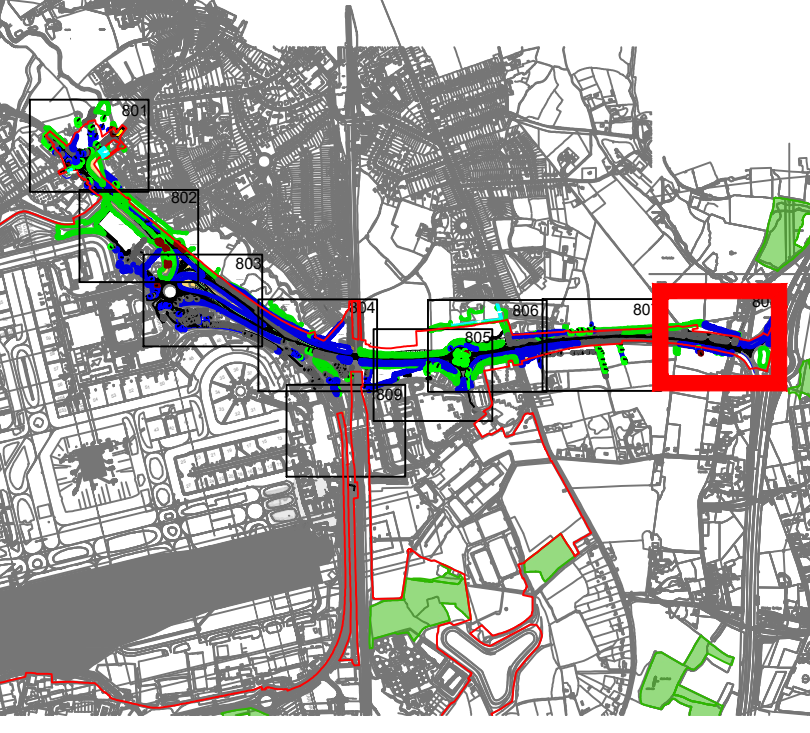


Legend

- 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.
 - 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.

Key Plan



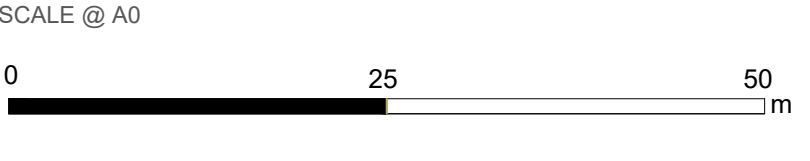
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Environmental Statement

DRAWING TITLE
M23 & A23 Preliminary Tree Removal Plans
 Appendix 8.10.1
 Sheet 8 of 9

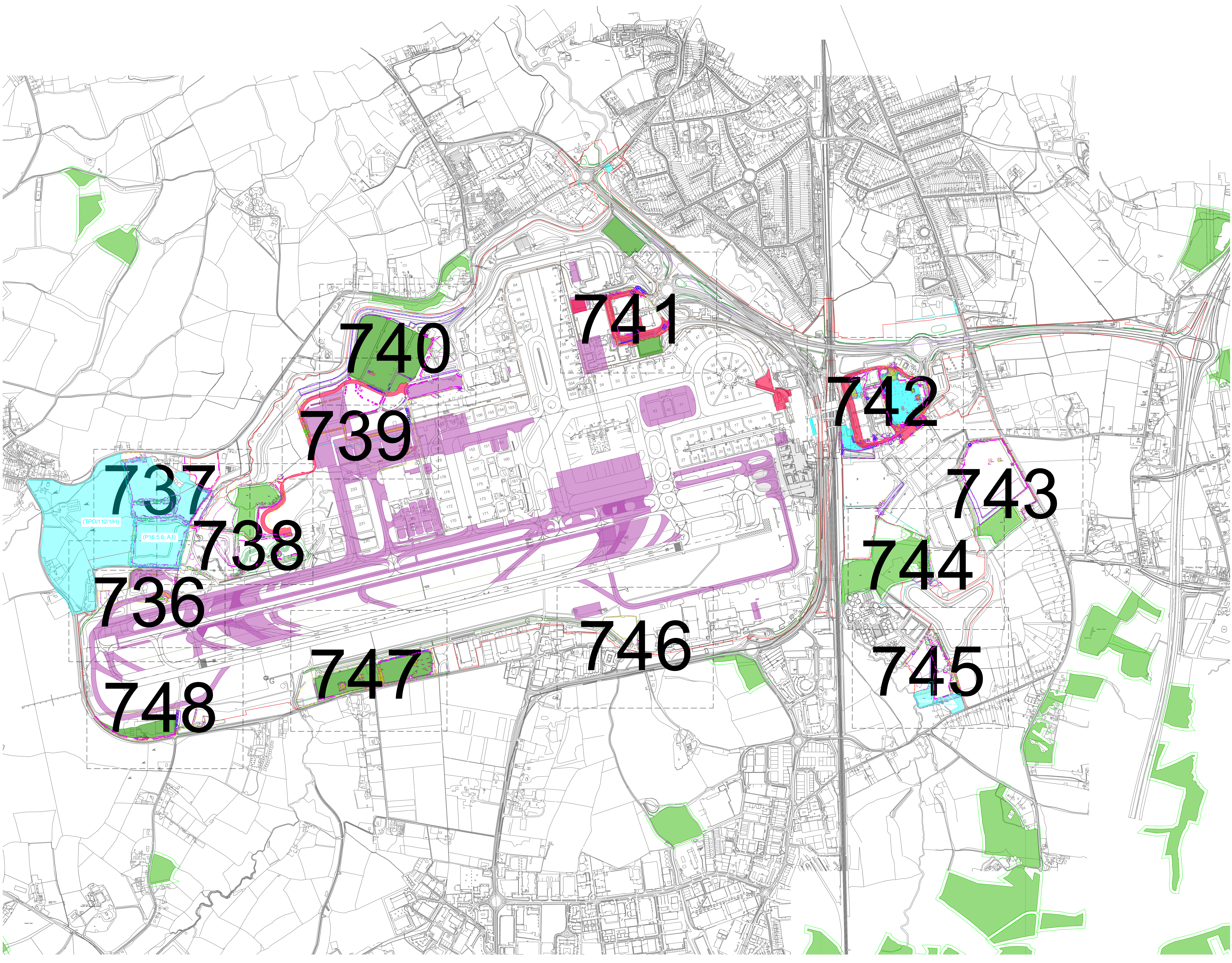
DATE
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ORIENTATION	DRAWING NO.	REVISION
N	808	For ES Issue
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Appendix I
Airport Preliminary Tree Removal Plans



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 (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 coloured to match 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
- 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 RPA 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	
N ▲	735	For ES Issue	
	DRAWN BY	PM / CHECKED BY	
	RC	DC	

SCALE @ A0

Custom Scale



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.

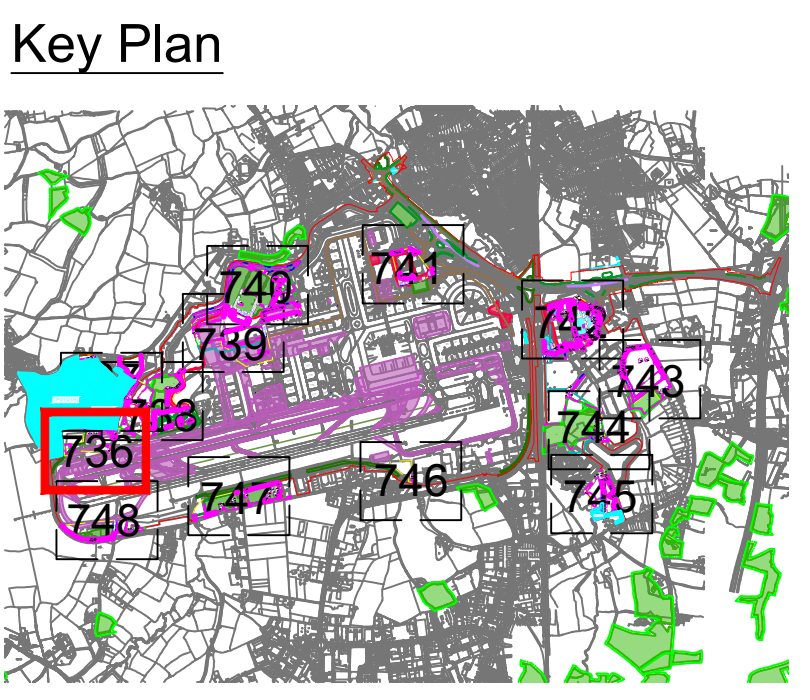
BS 5837:2012 Tree Quality Categories - Table 1

- Category A - High quality
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- Category C - Low quality
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- Tree to be removed with numbered reference. Canopy spread and BS5837:2012 tree quality category.

NOTES:

- Refer to RPA'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.
- Plan 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.
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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
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	RC	DC

SCALE @ A0

0m 25m 50m

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