



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: 3.0

DATE: JUNE 2024

Application Document Ref: 5.3

PINS Reference Number: TR020005

Key

- Site boundary.
 - Survey Boundary / Boundary of M23/A23 construction activity
 - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
 - Tree (location estimated) with numbered reference. Canopy spread and BS5837:2012 tree quality category.
 - 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
- Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012
 - Tree protected by Tree Preservation Order. Bracketed number relates to the TPO reference.

NOTES:

- Refer to ES Appendix 8.10.1: Tree Survey Report and Arboricultural Impact Assessment 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'.



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Environmental Statement

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**M23 & A23 Tree Survey Plans
Appendix 8.10.1
Sheet 10 of 15**

DATE
June 2024

ORIENTATION	DRAWING NO.	REVISION
		710
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SH	PE	

SCALE @ A1

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 - Tree protected by Tree Preservation Order. Bracketted number relates to the TPO reference.

NOTES:

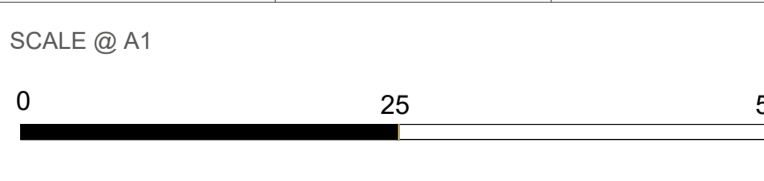
- Refer to ES Appendix 8.10.1: Tree Survey Report and Arboricultural Impact Assessment for further details.
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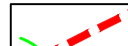
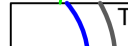



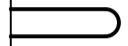






DATE
June 2024

ORIENTATION 	DRAWING NO. 711	REVISION For ES Issue
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Key

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 -  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
-  Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012
 -  Tree protected by Tree Preservation Order. Bracketted number relates to the TPO reference.

NOTES:


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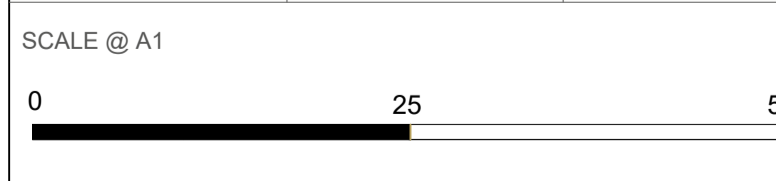


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Environmental Statement

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DATE
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ORIENTATION 	DRAWING NO. 712	REVISION For ES Issue
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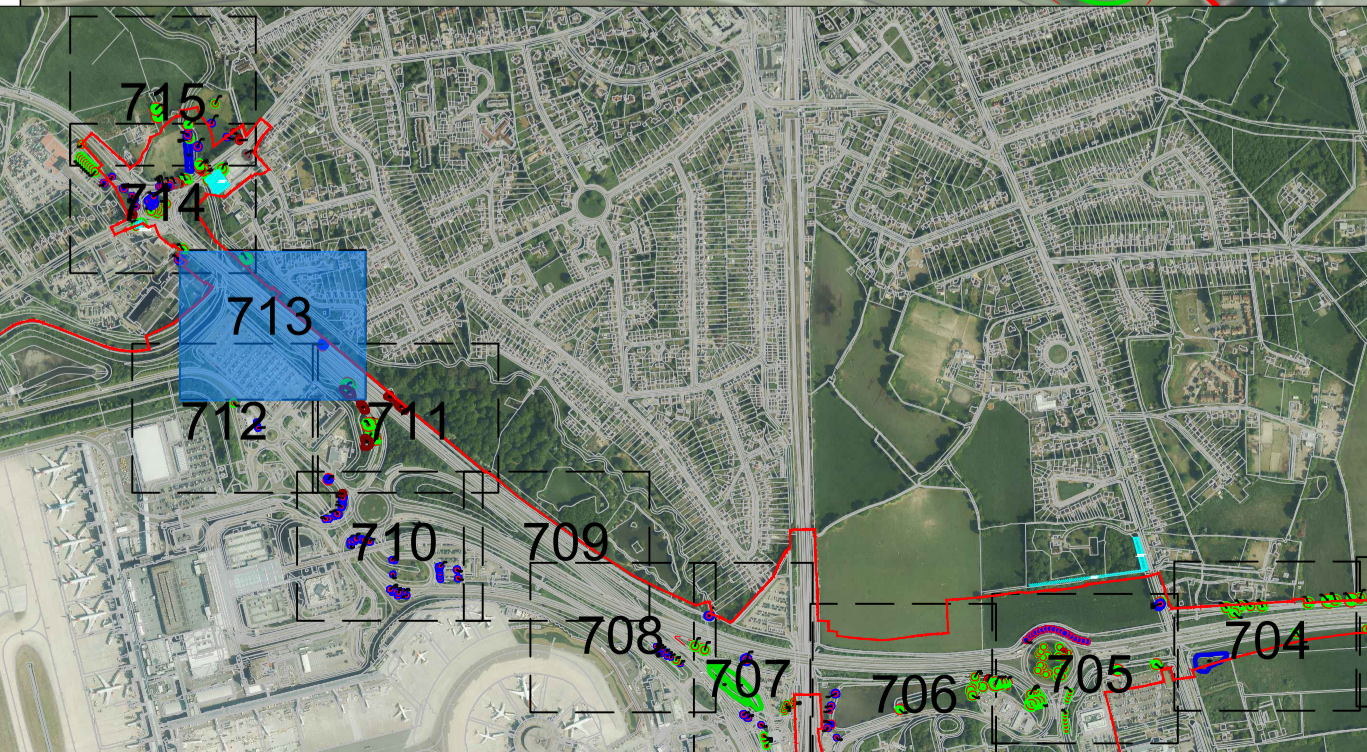


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Key

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- 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
- Root protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012
 - Tree protected by Tree Preservation Order. Bracketed number relates to the TPO reference.

- NOTES:
- Refer to ES Appendix 8.10.1: Tree Survey Report and Arboricultural Impact Assessment 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'.

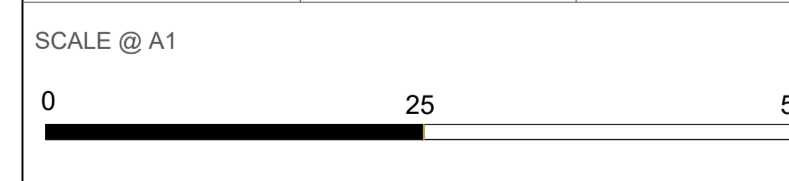


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DATE
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ORIENTATION 	DRAWING NO. 713	REVISION For ES Issue
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Key

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- 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.

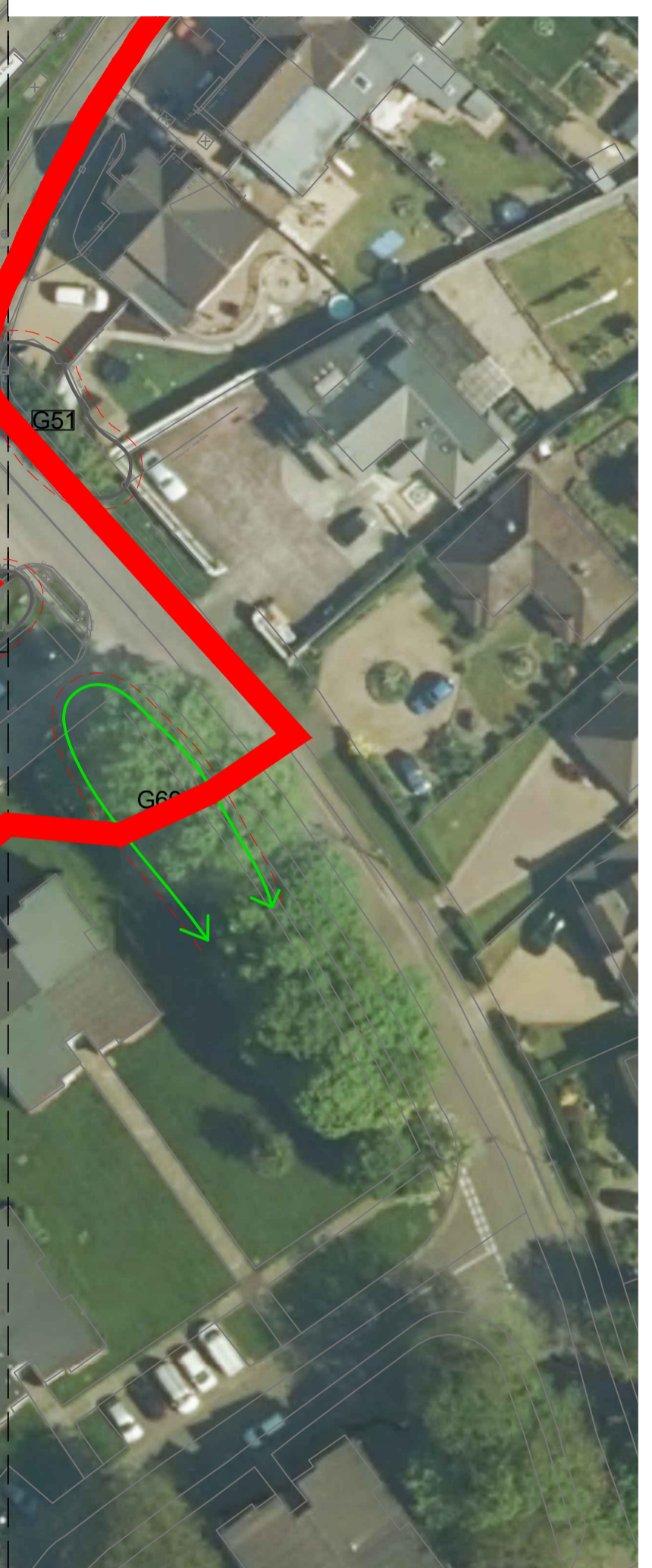
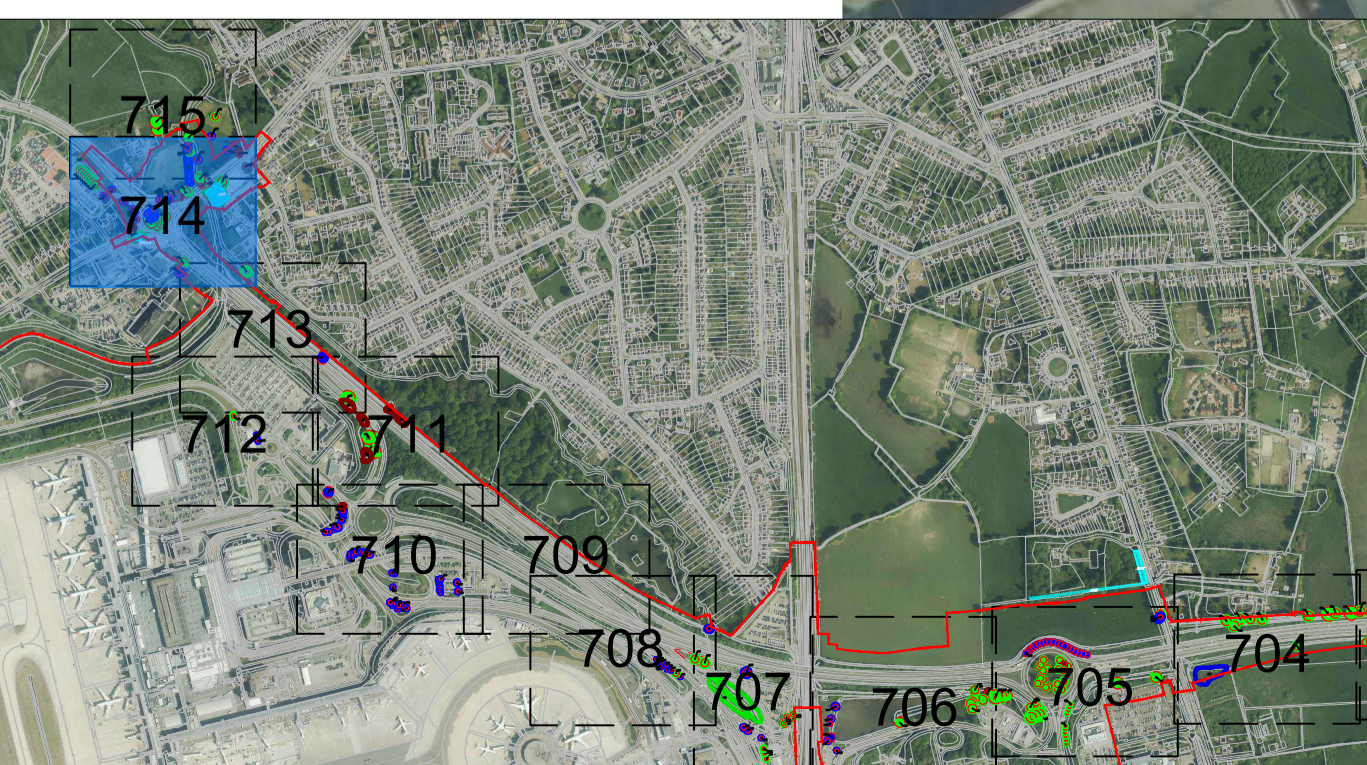
BS 5837:2012 Tree Quality Categories - Table 1

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DRAWING TITLE
M23 & A23 Tree Survey Plans
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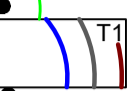








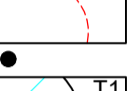
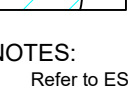
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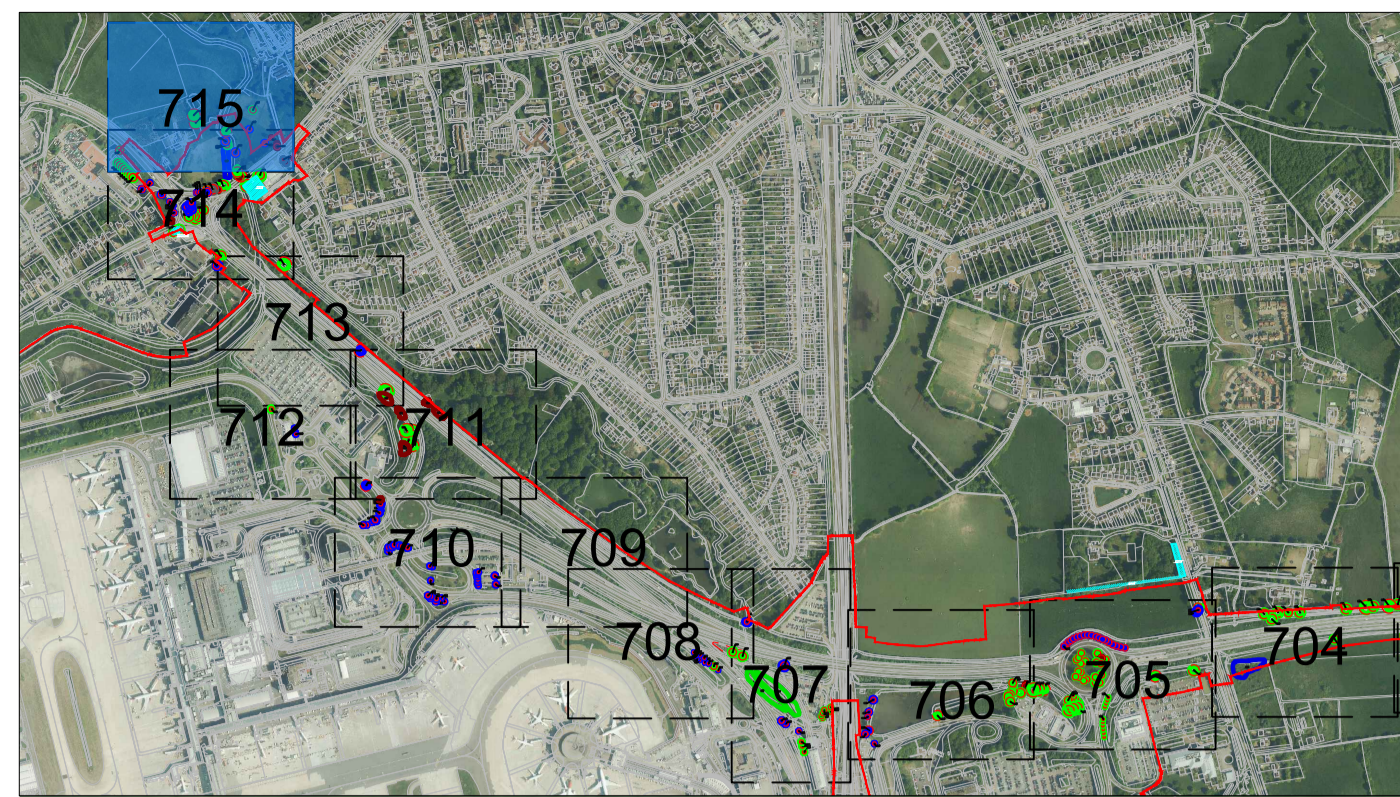
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Key

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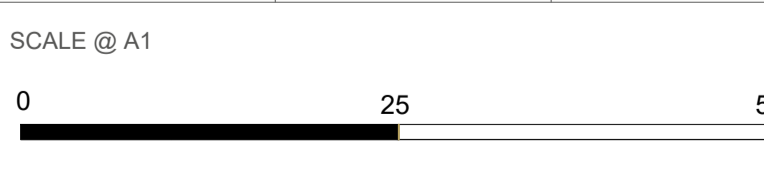


DOCUMENT
Environmental Statement

DRAWING TITLE
**M23 & A23 Tree Survey Plans
Appendix 8.10.1
Sheet 15 of 15**

DATE
June 2024

ORIENTATION 	DRAWING NO. 715	REVISION For ES Issue
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Appendix G
Airport Tree Survey Plans



Key

- Site 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
- Tree group plotted with individual stem locations and numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative stem line.
- 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 coloured to match 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 relates to the TPO reference.
- 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)

NOTES:

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- Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
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- Survey based upon Aerial Photography and trees located by eye.

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DOCUMENT

Environmental Statement

DRAWING TITLE

**Airport Tree Survey Plans
Appendix 8.10.1
Overview**

DATE

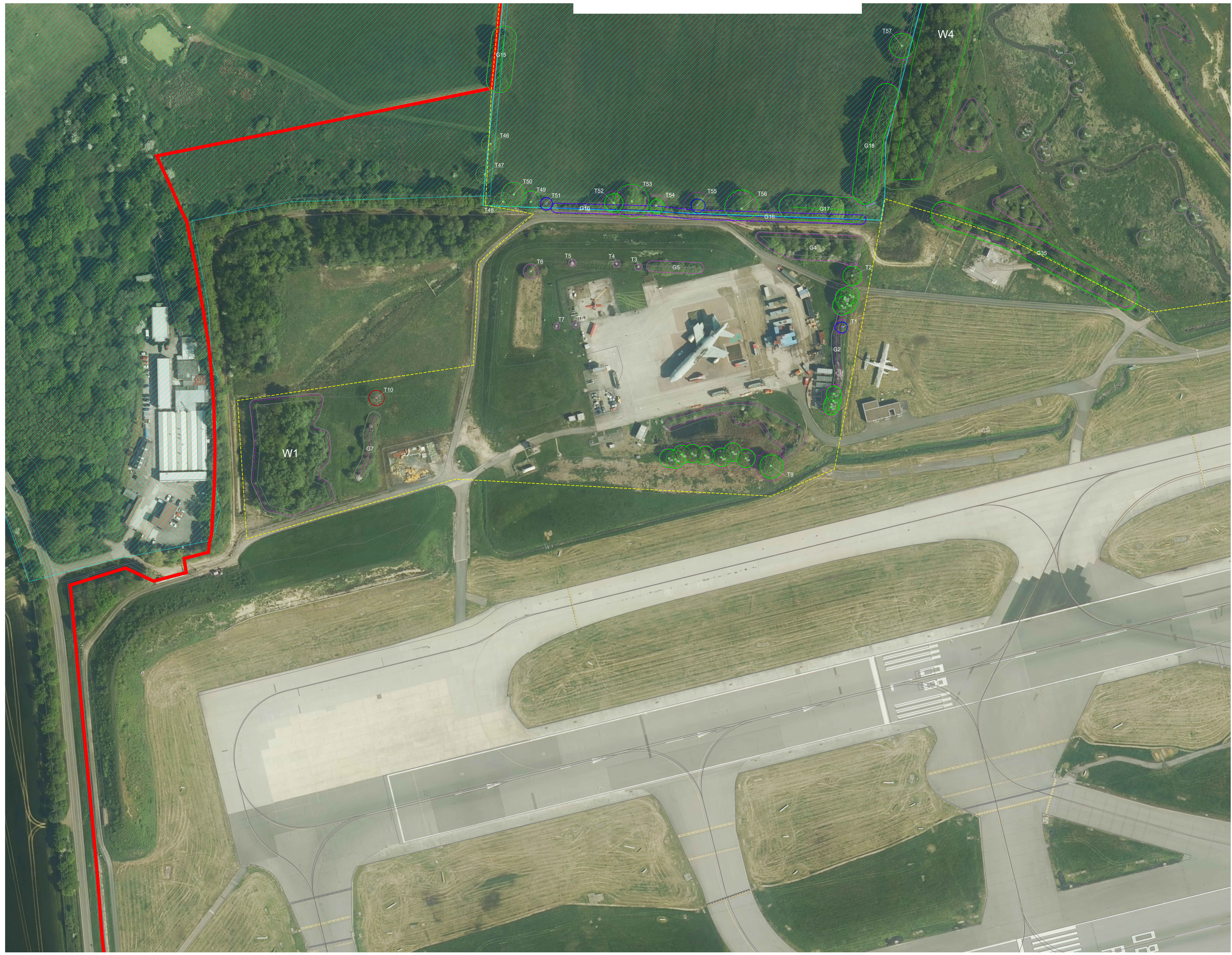
June 2024

ORIENTATION	DRAWING NO.	REVISION
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	DRAWN BY	PM / CHECKED BY
	RC	DC

SCALE @ A0

Custom Scale

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Key

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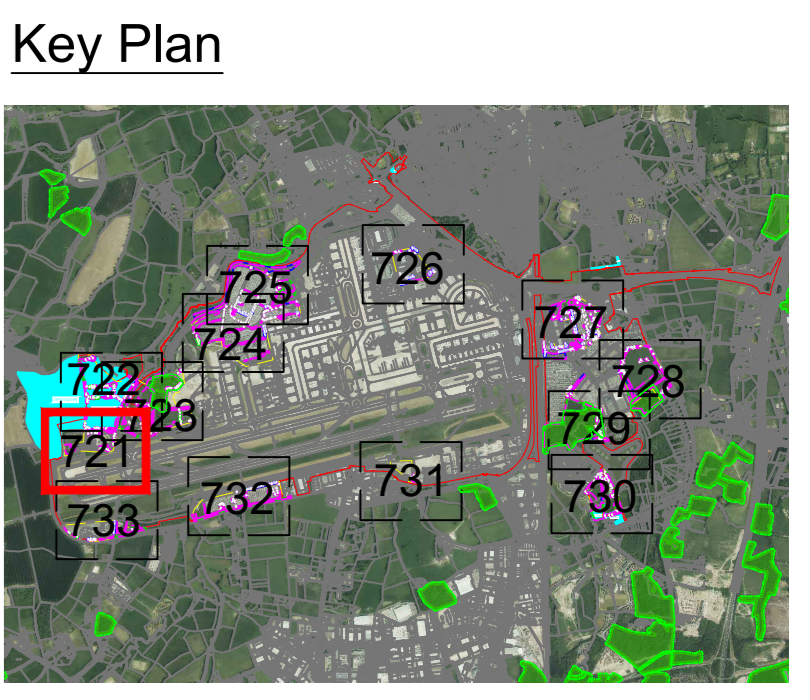
BS 5837:2012 Tree Quality Categories - Table 1

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**Airport Tree Survey Plans
Appendix 8.10.1
Sheet 1 of 13**

DATE

June 2024

ORIENTATION	DRAWING NO.	REVISION
N 	721	For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC

SCALE @ A0

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