



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: 4.0

DATE: AUGUST 2024

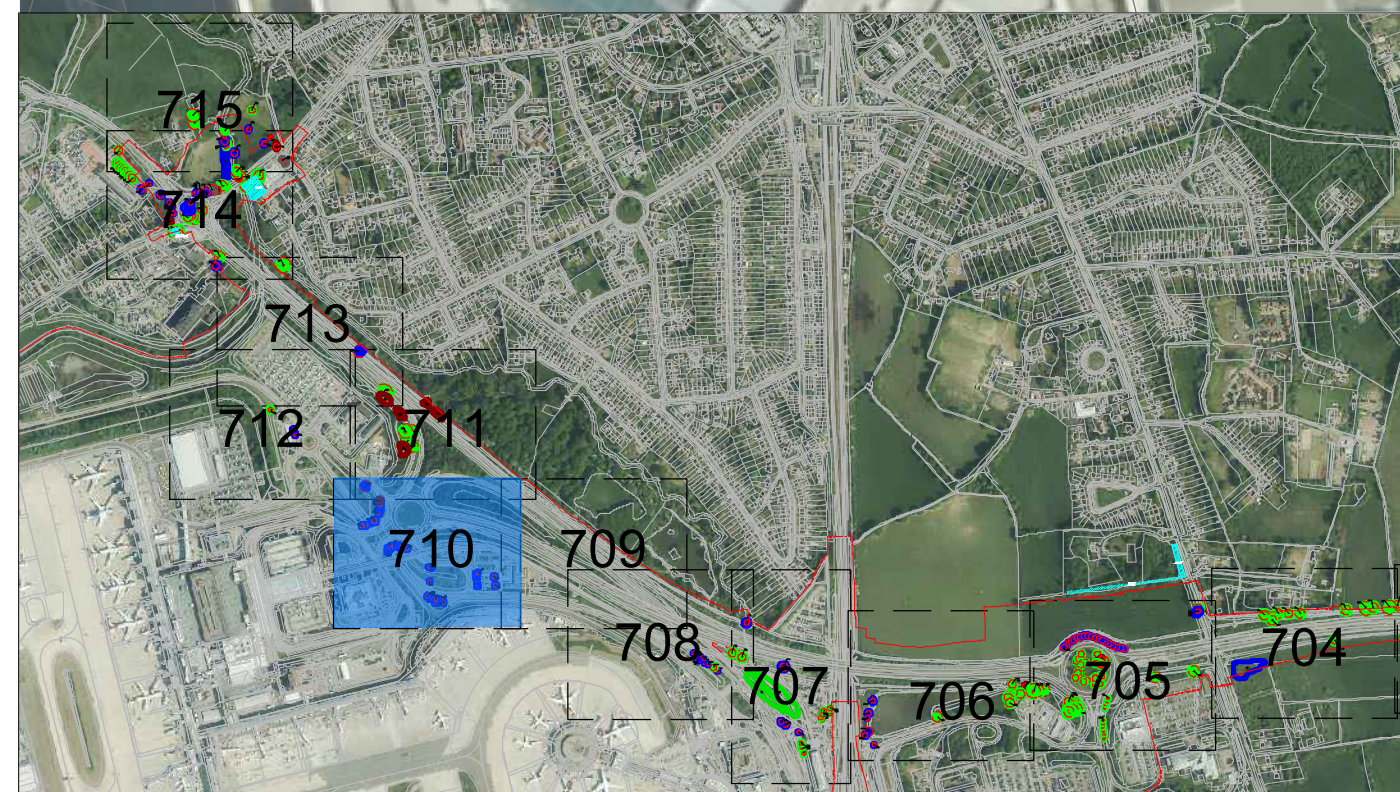
Application Document Ref: 5.3

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.
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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'.

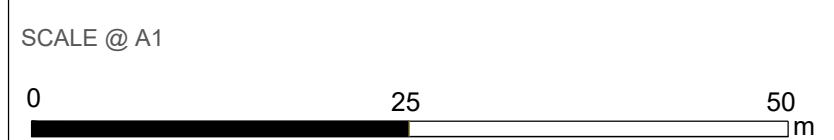


DOCUMENT
Environmental Statement

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

DATE
August 2024

 N	DRAWING NO. 710	REVISION For ES Issue
	DRAWN BY SH	PM / CHECKED BY PE



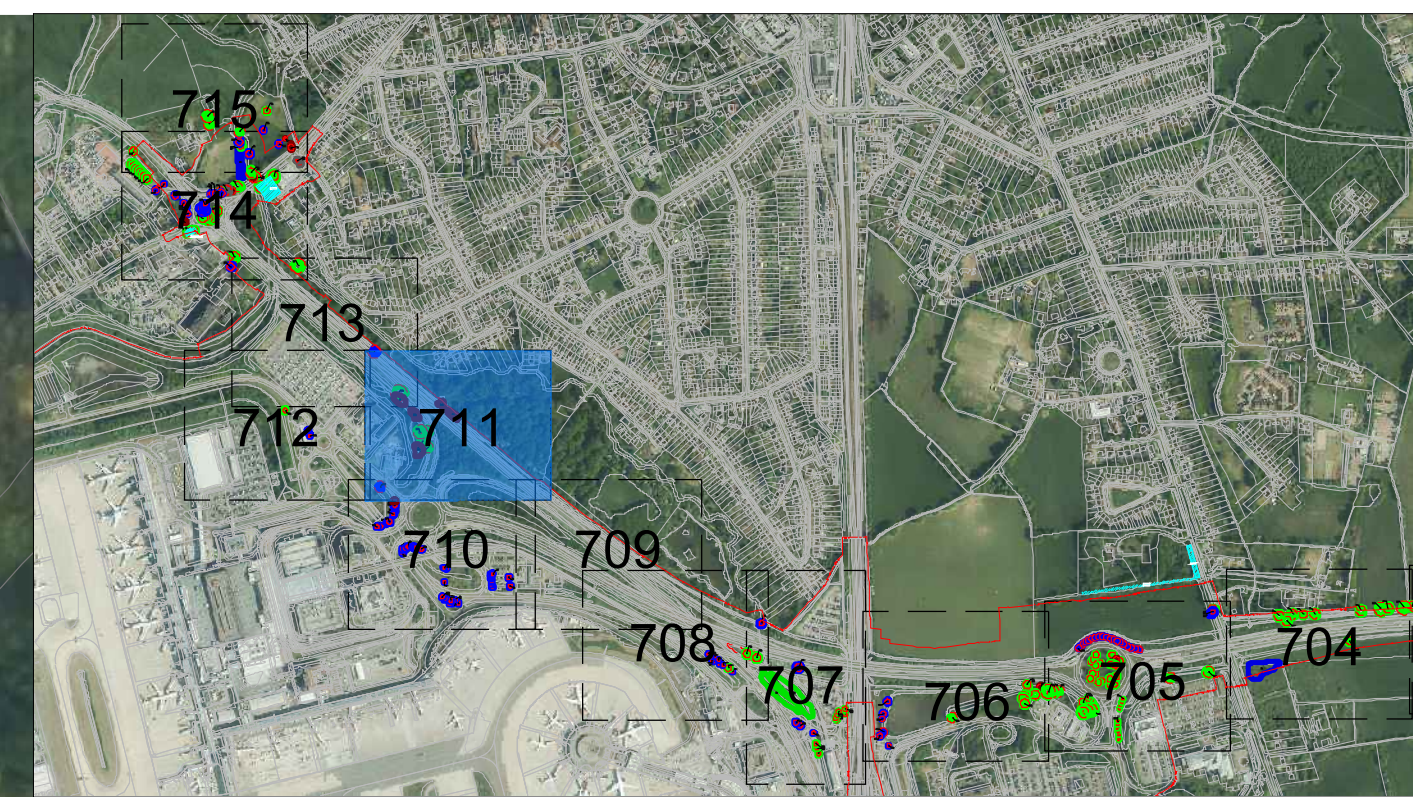
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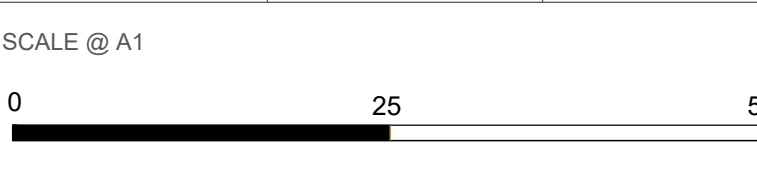


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Environmental Statement

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**M23 & A23 Tree Survey Plans
Appendix 8.10.1
Sheet 11 of 15**



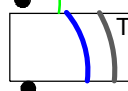
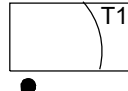
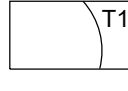

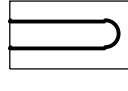




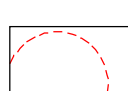
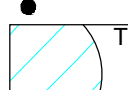
DATE
August 2024

ORIENTATION 	DRAWING NO. 711	REVISION For ES Issue
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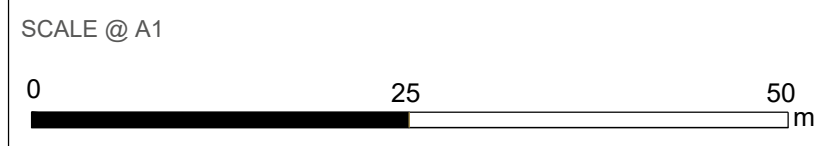


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Environmental Statement

DRAWING TITLE
M23 & A23 Tree Survey Plans
Appendix 8.10.1
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DATE
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ORIENTATION 	DRAWING NO. 712	REVISION For ES Issue
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M23 & A23 Tree Survey Plans
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DATE

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ORIENTATION 	DRAWING NO.	REVISION
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	DRAWN BY	PM / CHECKED BY
	SH	PE

SCALE @ A1

0 25 50
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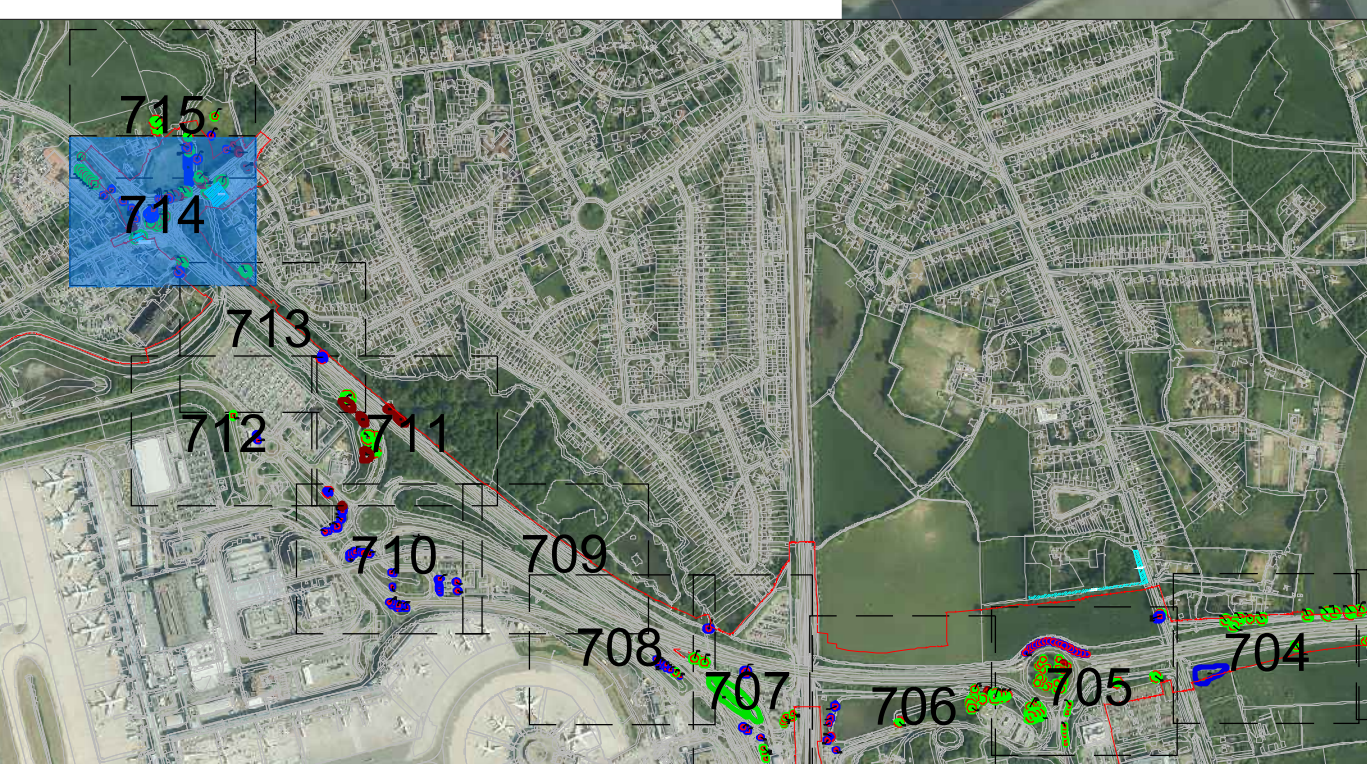
BS 5837:2012 Tree Quality Categories - Table 1

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Environmental Statement

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M23 & A23 Tree Survey Plans
 Appendix 8.10.1
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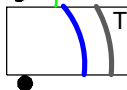
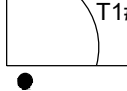
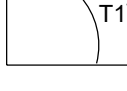






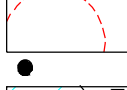
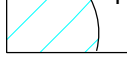
ORIENTATION N	DRAWING NO. 714	REVISION For ES Issue
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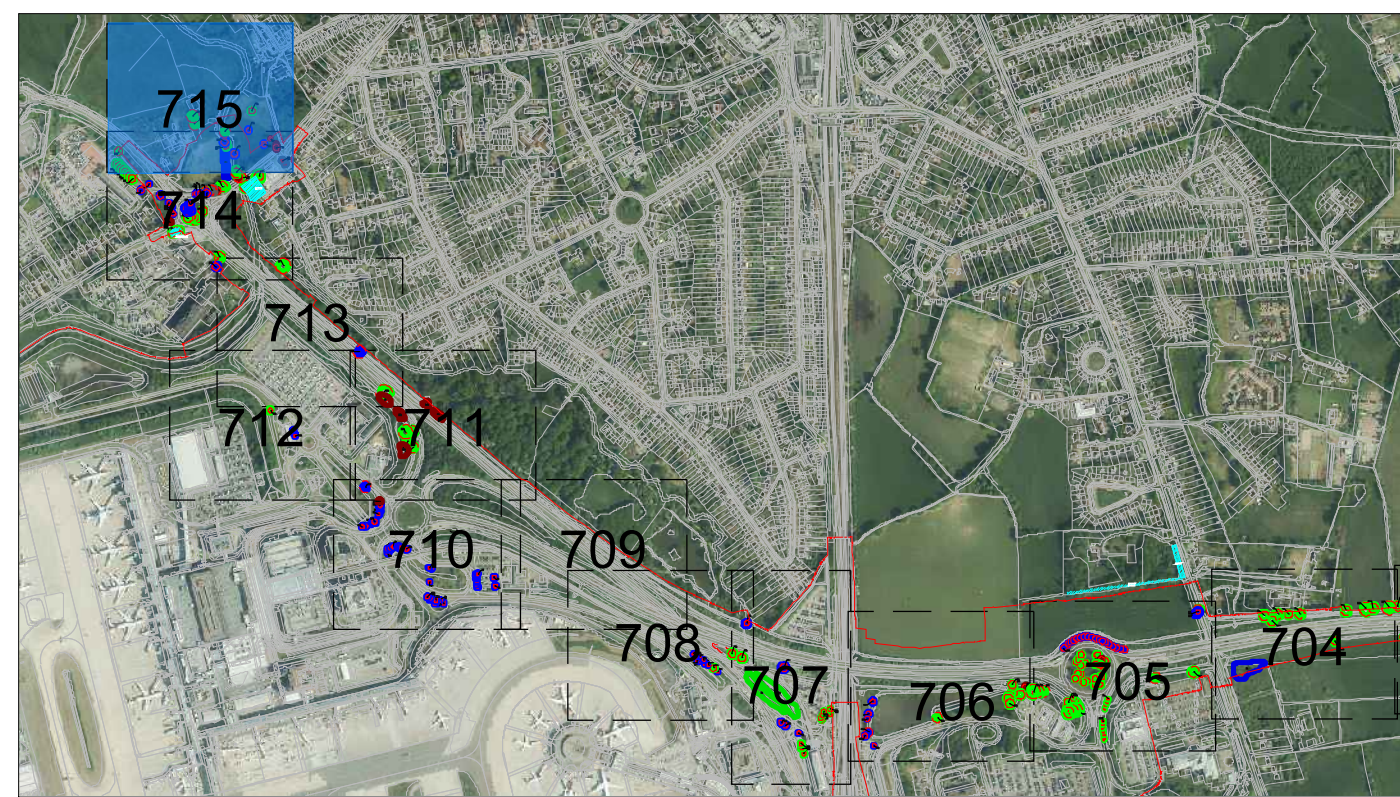
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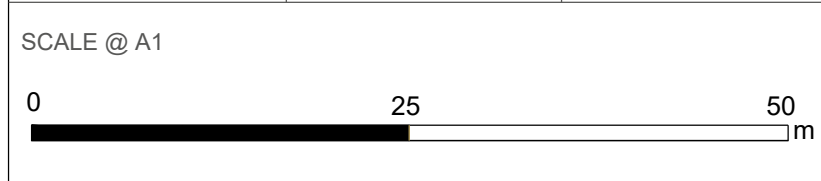


DOCUMENT
Environmental Statement

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

DATE
August 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 upon Aerial Photography and trees located by eye.

DOCUMENT

Environmental Statement

DRAWING TITLE

**Airport Tree Survey Plans
Appendix 8.10.1
Overview**

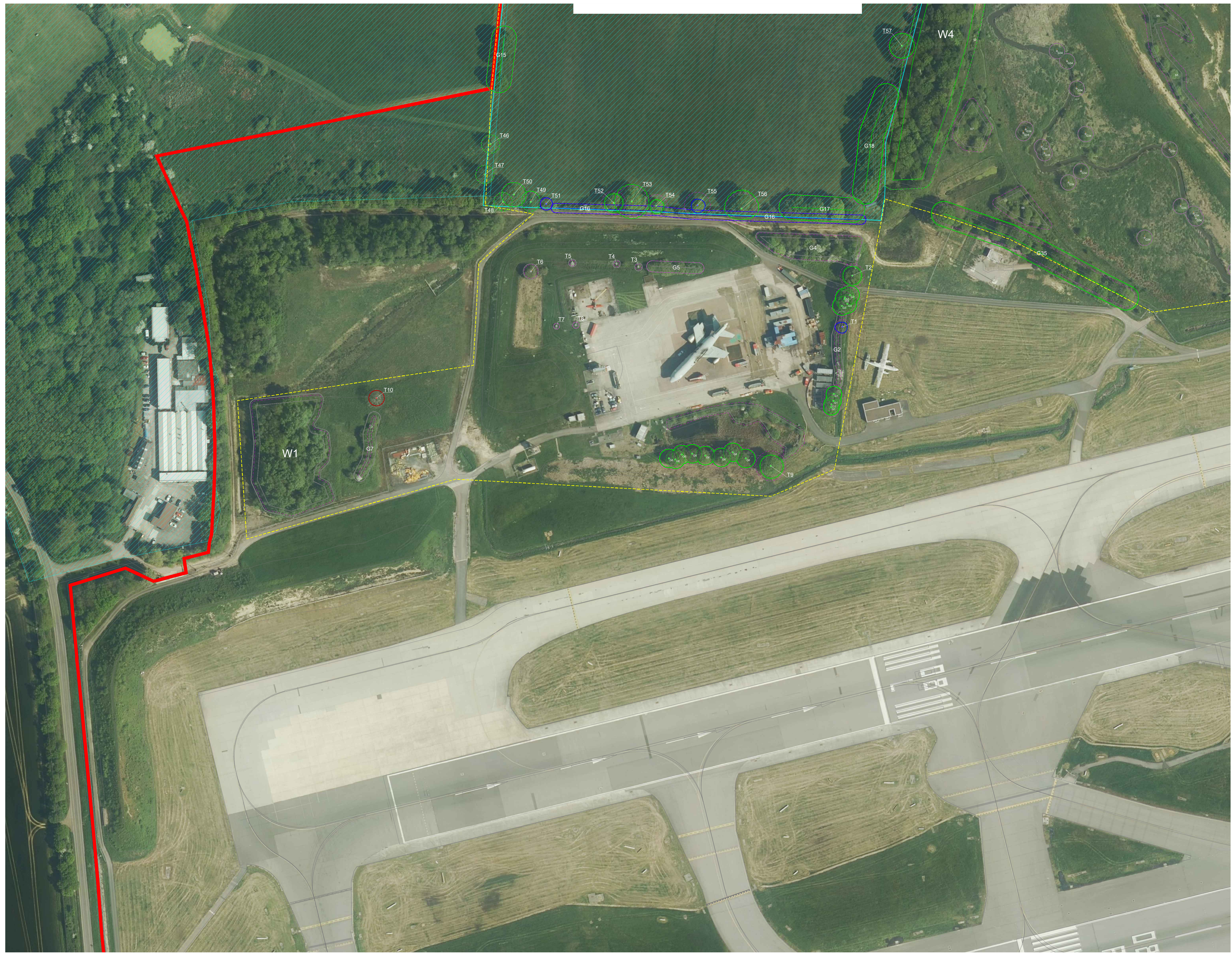
DATE

August 2024

ORIENTATION	DRAWING NO.	REVISION
N ▲	720	For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC

SCALE @ A0

Custom Scale



Key

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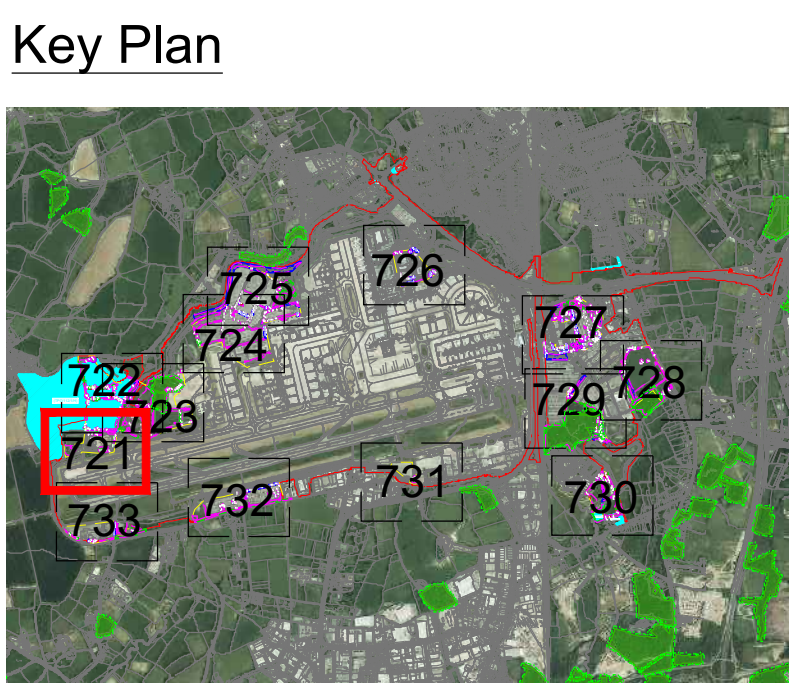
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DOCUMENT

Environmental Statement

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

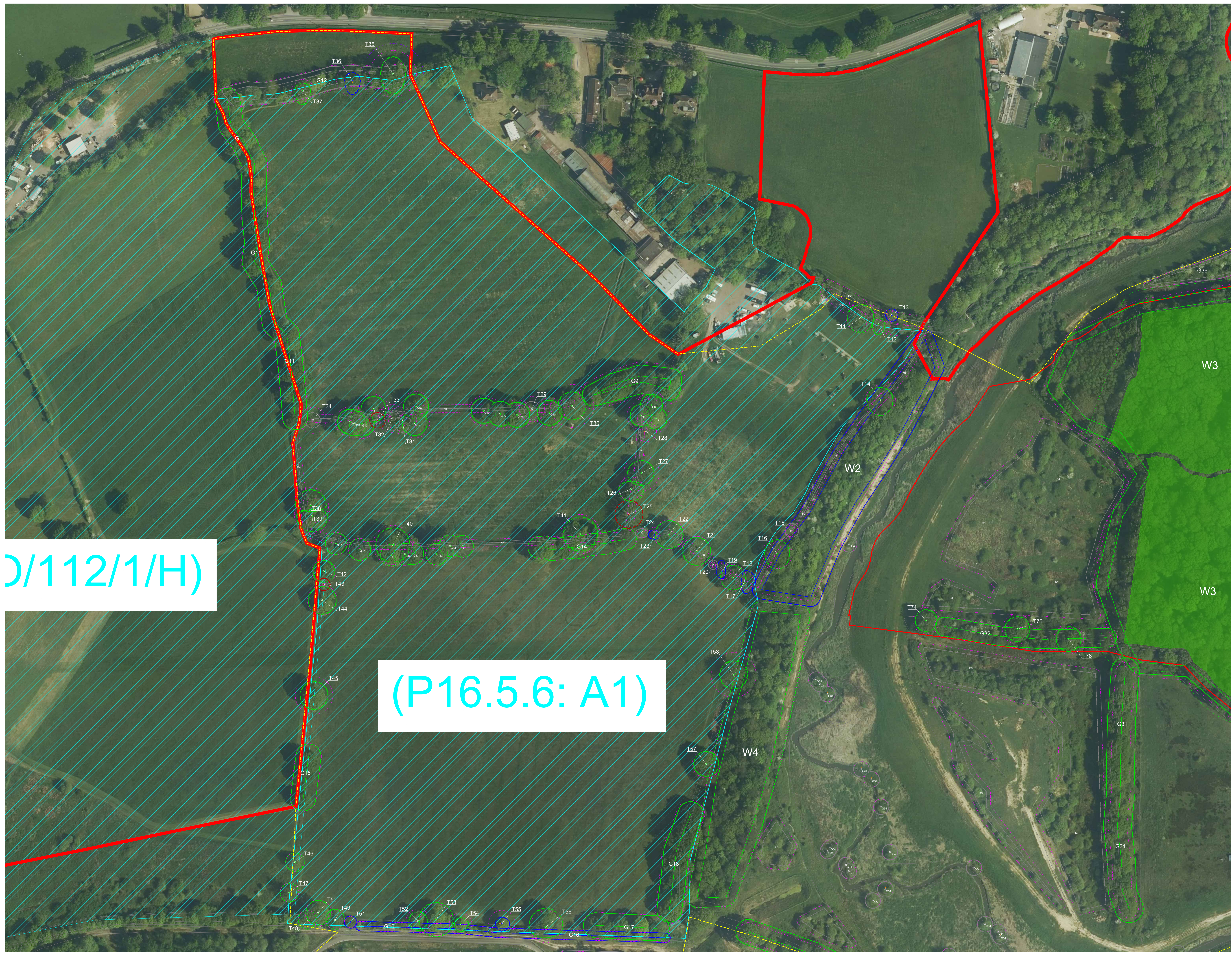
DATE **August 2024**

ORIENTATION	DRAWING NO.	REVISION
N ▲	721	For ES Issue
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SCALE @ A0
0m 25m 50m

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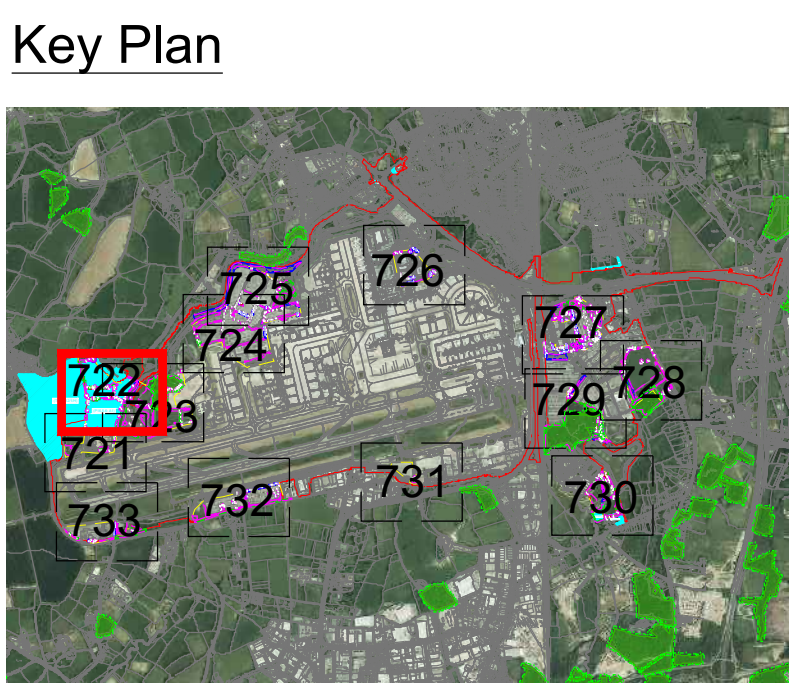
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DOCUMENT

Environmental Statement

DRAWING TITLE

Airport Tree Survey Plans
Appendix 8.10.1
Sheet 2 of 13

DATE

August 2024

ORIENTATION	DRAWING NO.	REVISION
N	722	For ES Issue
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SCALE @ A0

0m 25m 50m

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5.6: A1)

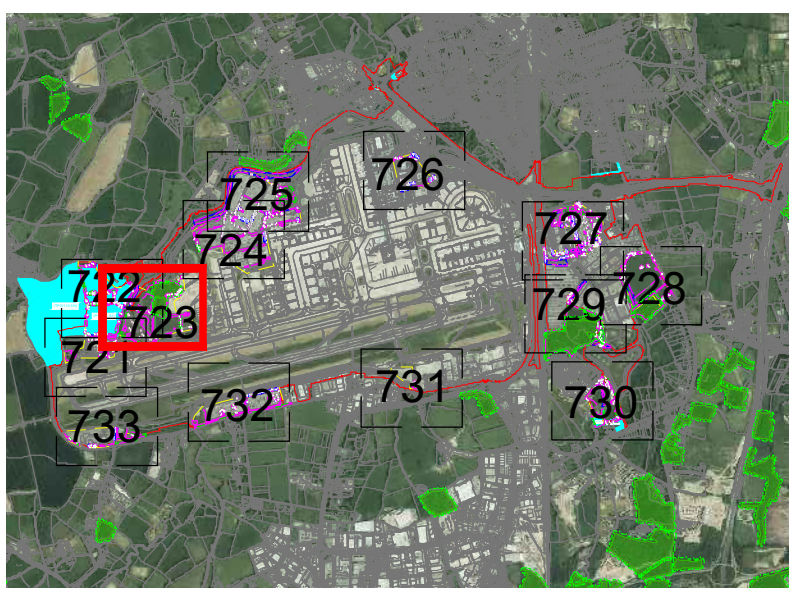
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Key Plan



DOCUMENT

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Airport Tree Survey Plans
Appendix 8.10.1
Sheet 3 of 13

DATE

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ORIENTATION

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

SCALE @ A0



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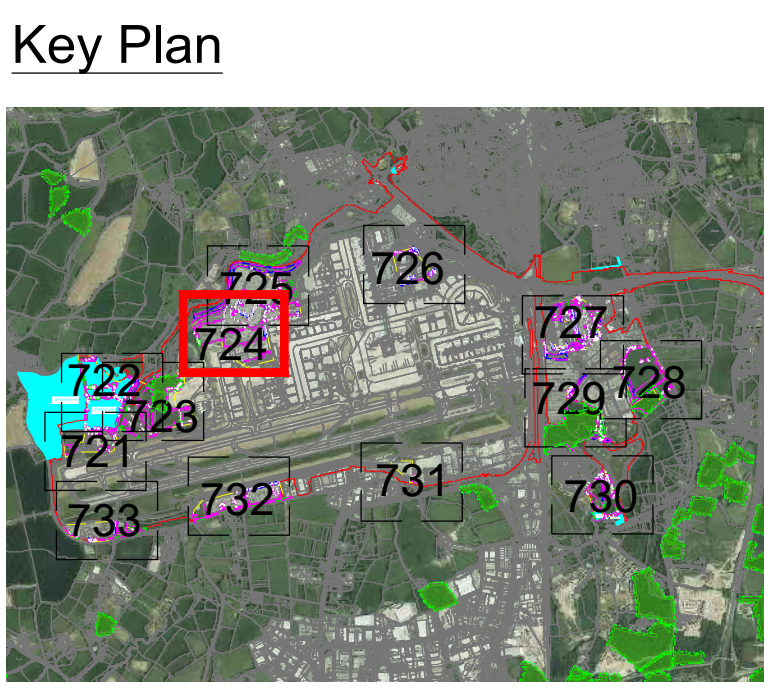
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- Category B - Moderate quality
- Category C - Low quality
- Category U - Unsuitable for retention

- 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:

- 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'.
- Survey based upon Aerial Photography and trees located by eye.



DOCUMENT

Environmental Statement

DRAWING TITLE

**Airport Tree Survey Plans
Appendix 8.10.1
Sheet 4 of 13**

DATE

August 2024

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

SCALE @ A0

0m 25m 50m

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