



# Gatwick Airport Northern Runway Project

Environmental Statement

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

**Book 5**

VERSION: 3.0

DATE: JUNE 2024

Application Document Ref: 5.3

PINS Reference Number: TR020005

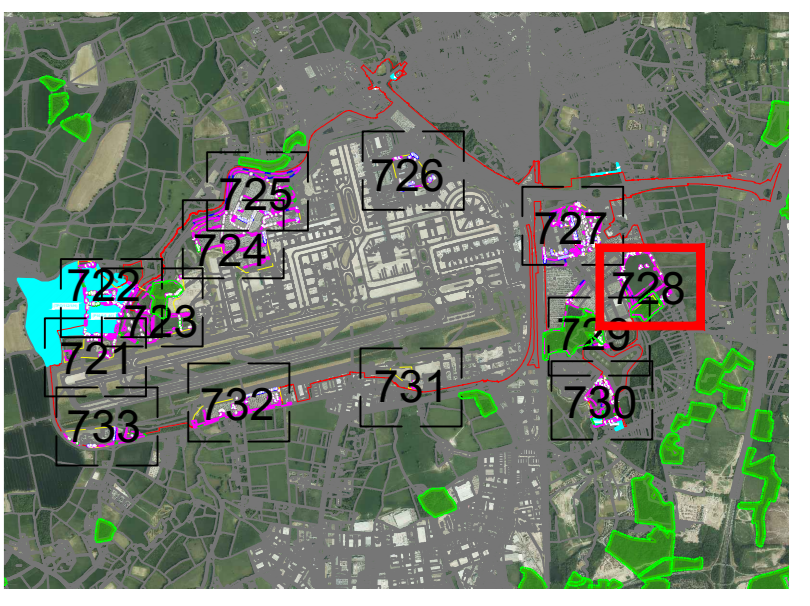


**Key**

- Site 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 and coloured 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:**
- 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.

**Key Plan**



**DOCUMENT**

**Environmental Statement**

**DRAWING TITLE**

**Airport Tree Survey Plans  
Appendix 8.10.1  
Sheet 8 of 13**

DATE **June 2024**

ORIENTATION N	DRAWING NO. 728	REVISION For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC

SCALE @ A0  
0m 25m 50m

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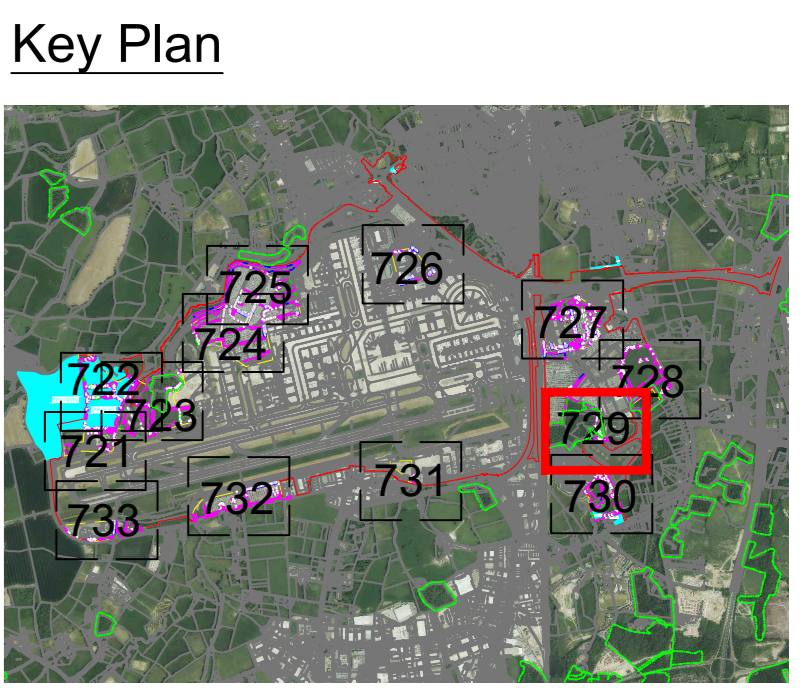
**BS 5837:2012 Tree Quality Categories - Table 1**

- Category A - High quality
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**Environmental Statement**

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DRAWING TITLE

**Airport Tree Survey Plans  
Appendix 8.10.1  
Sheet 9 of 13**

DATE

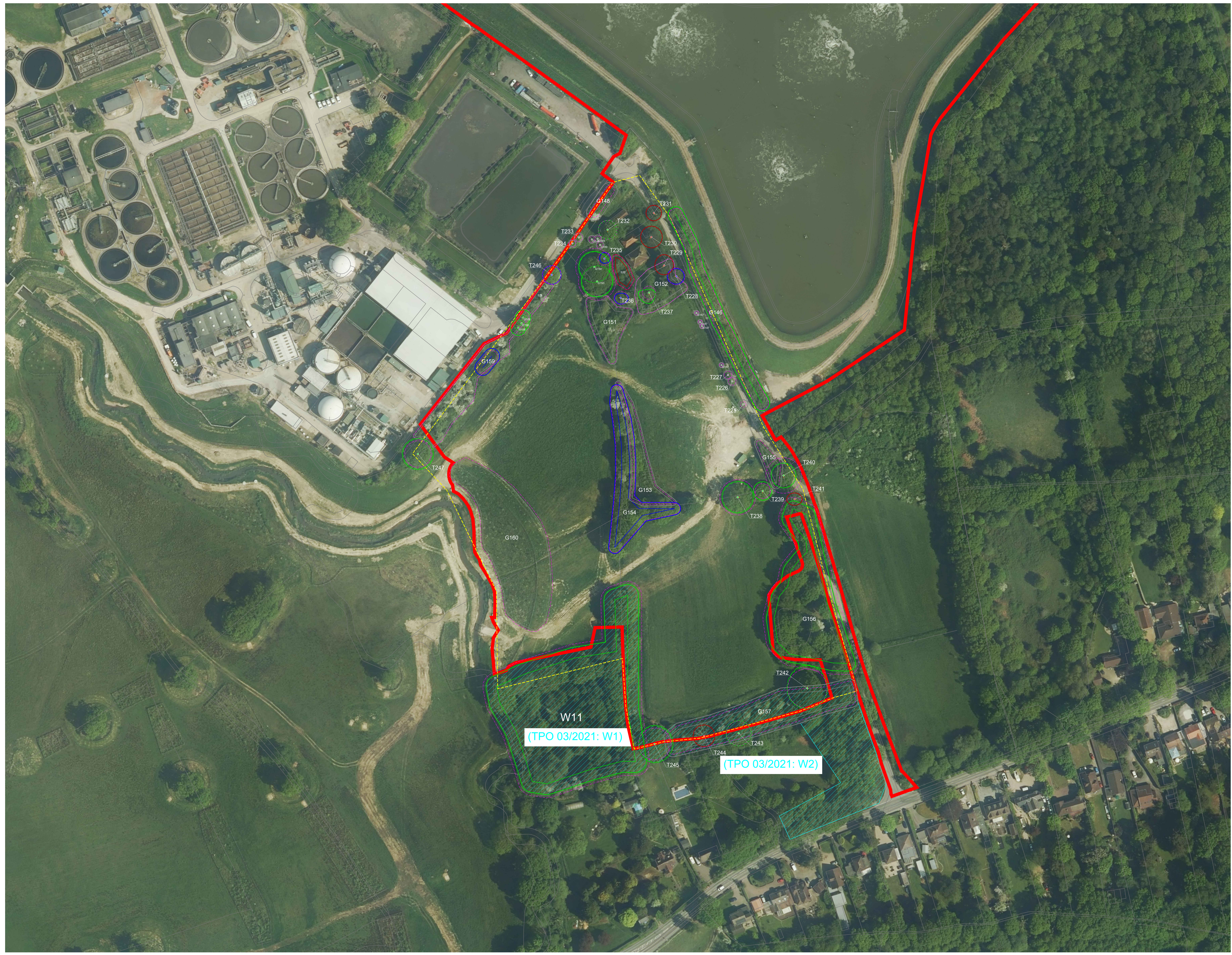
**June 2024**

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

SCALE @ A0

0m 25m 50m

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### 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)
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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.

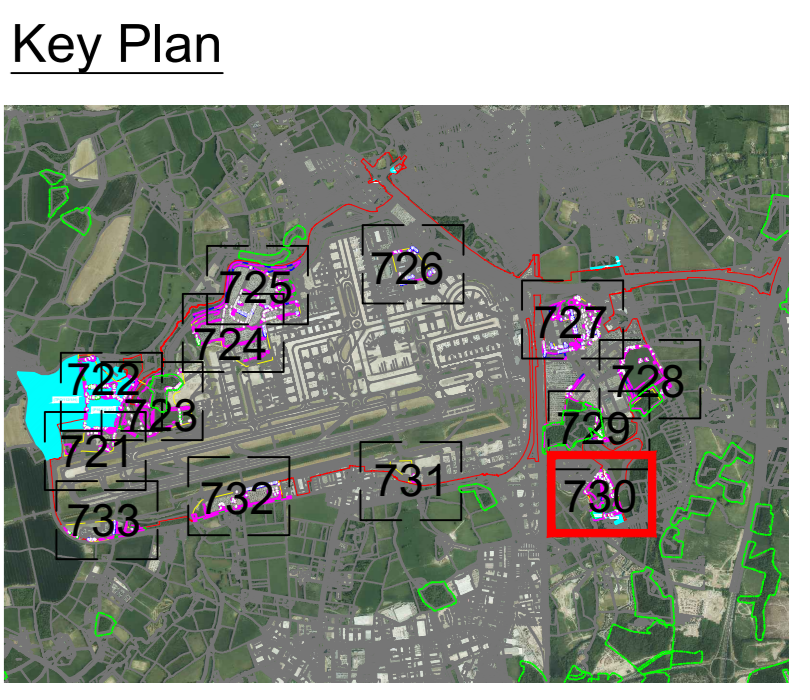
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**NOTES:**

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- 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**

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DRAWING TITLE

**Airport Tree Survey Plans  
Appendix 8.10.1  
Sheet 10 of 13**

DATE

**June 2024**

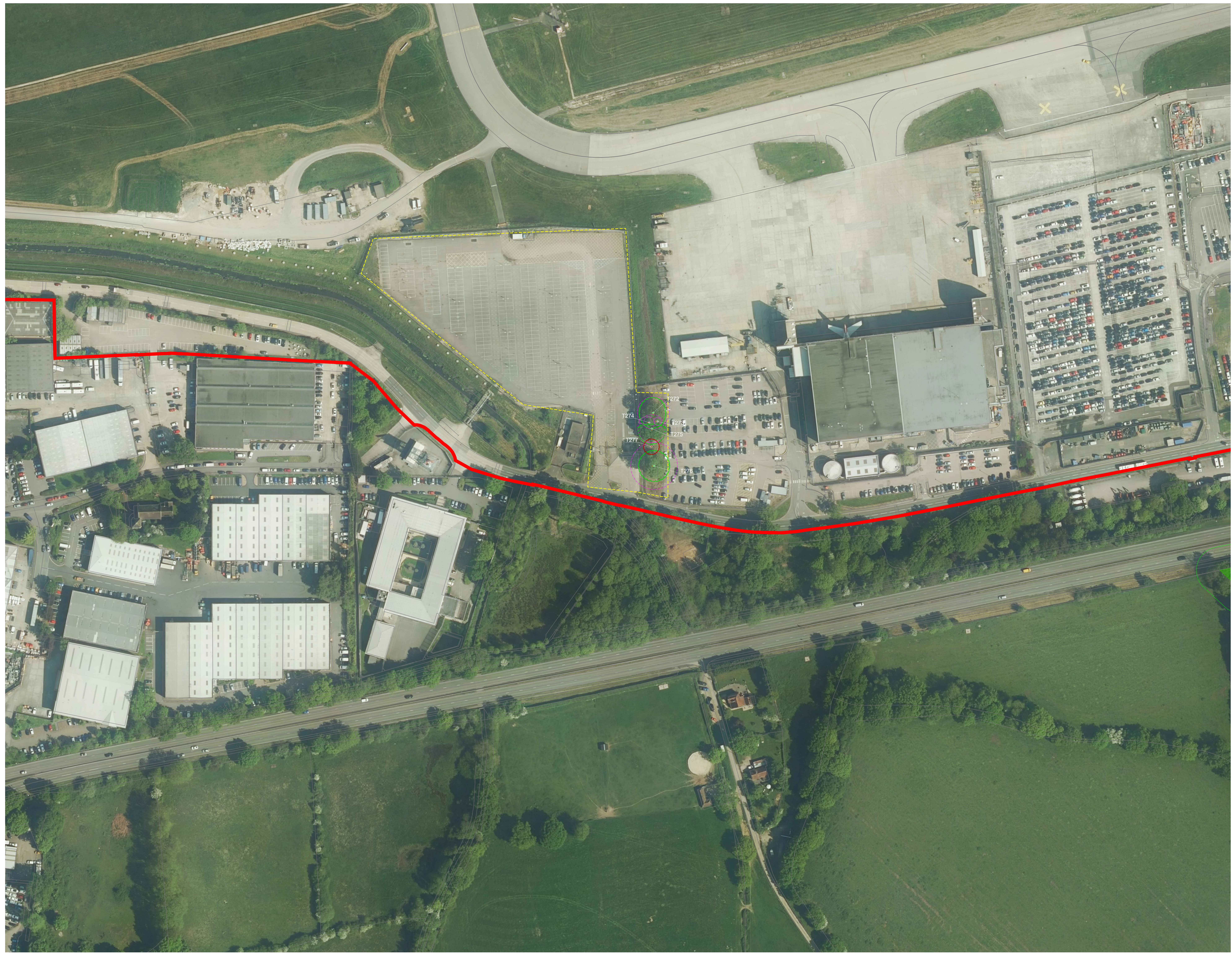
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	DRAWN BY <b>RC</b>	PM / CHECKED BY <b>DC</b>

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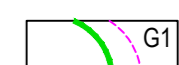

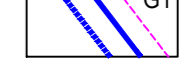
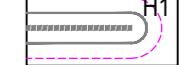
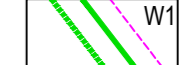










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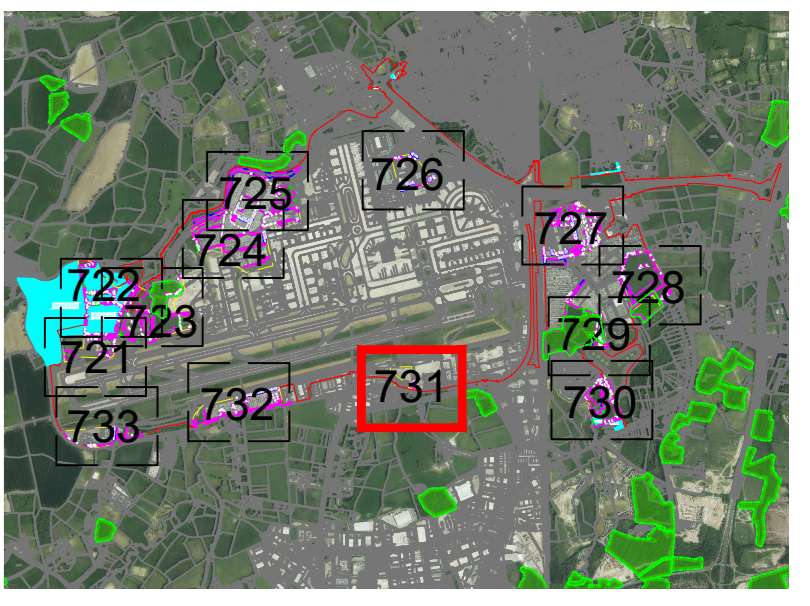


**Key**

-  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)
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**Key Plan**



**DOCUMENT**

**Environmental Statement**

**DRAWING TITLE**

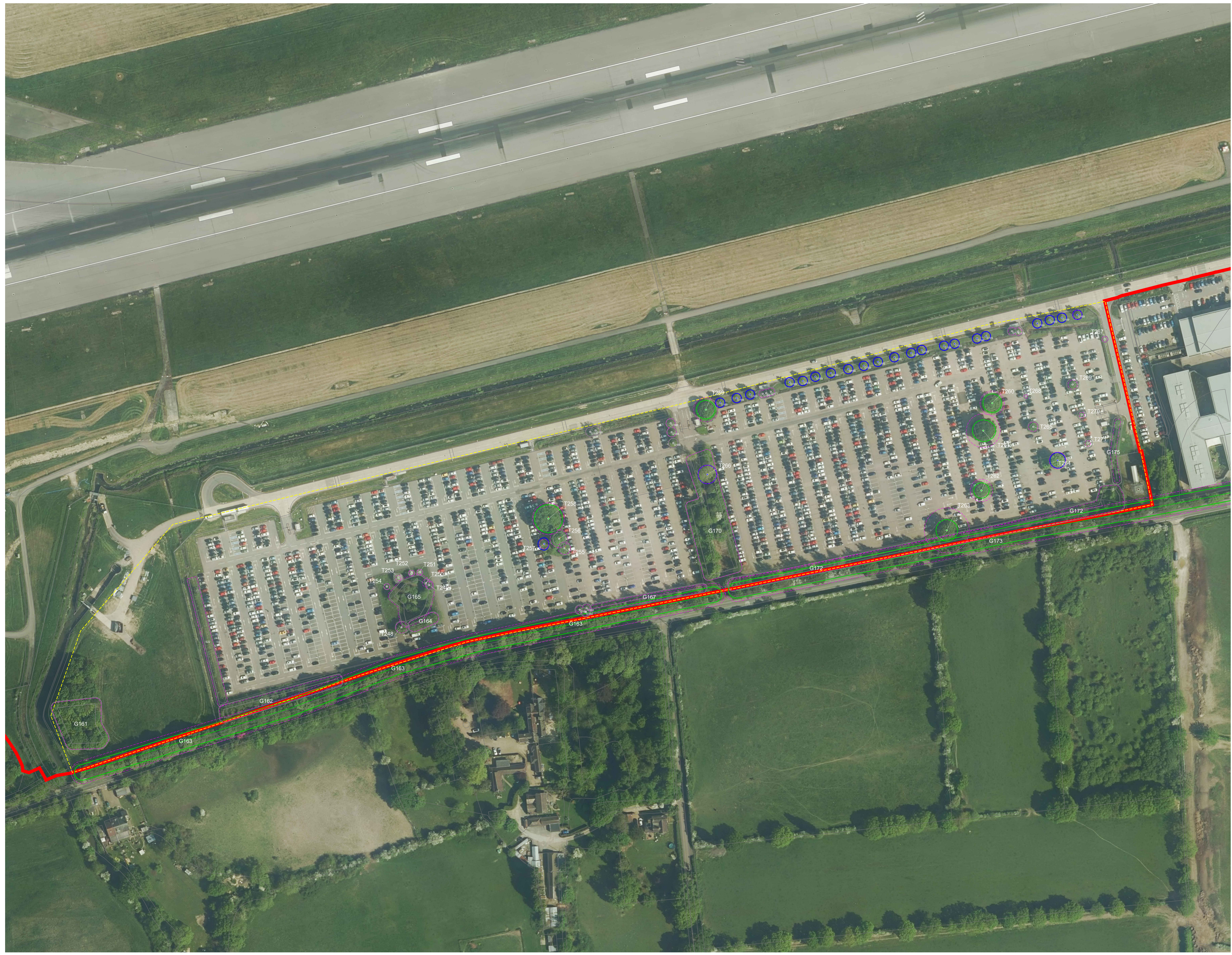
**Airport Tree Survey Plans  
Appendix 8.10.1  
Sheet 11 of 13**

DATE **June 2024**

ORIENTATION N	DRAWING NO. 731	REVISION For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC

SCALE @ A0  
0m 25m 50m

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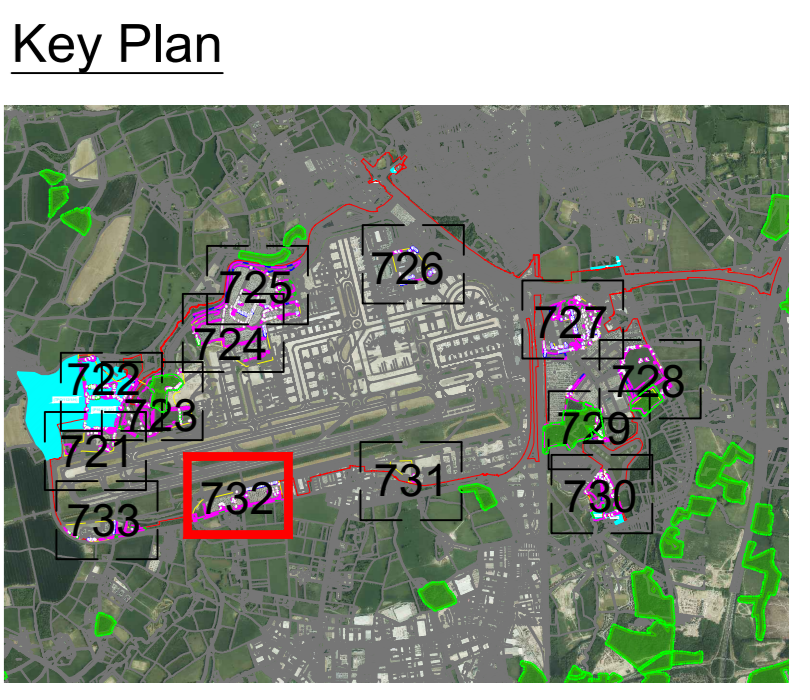
**BS 5837:2012 Tree Quality Categories - Table 1**

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DOCUMENT

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**Airport Tree Survey Plans  
Appendix 8.10.1  
Sheet 12 of 13**

DATE

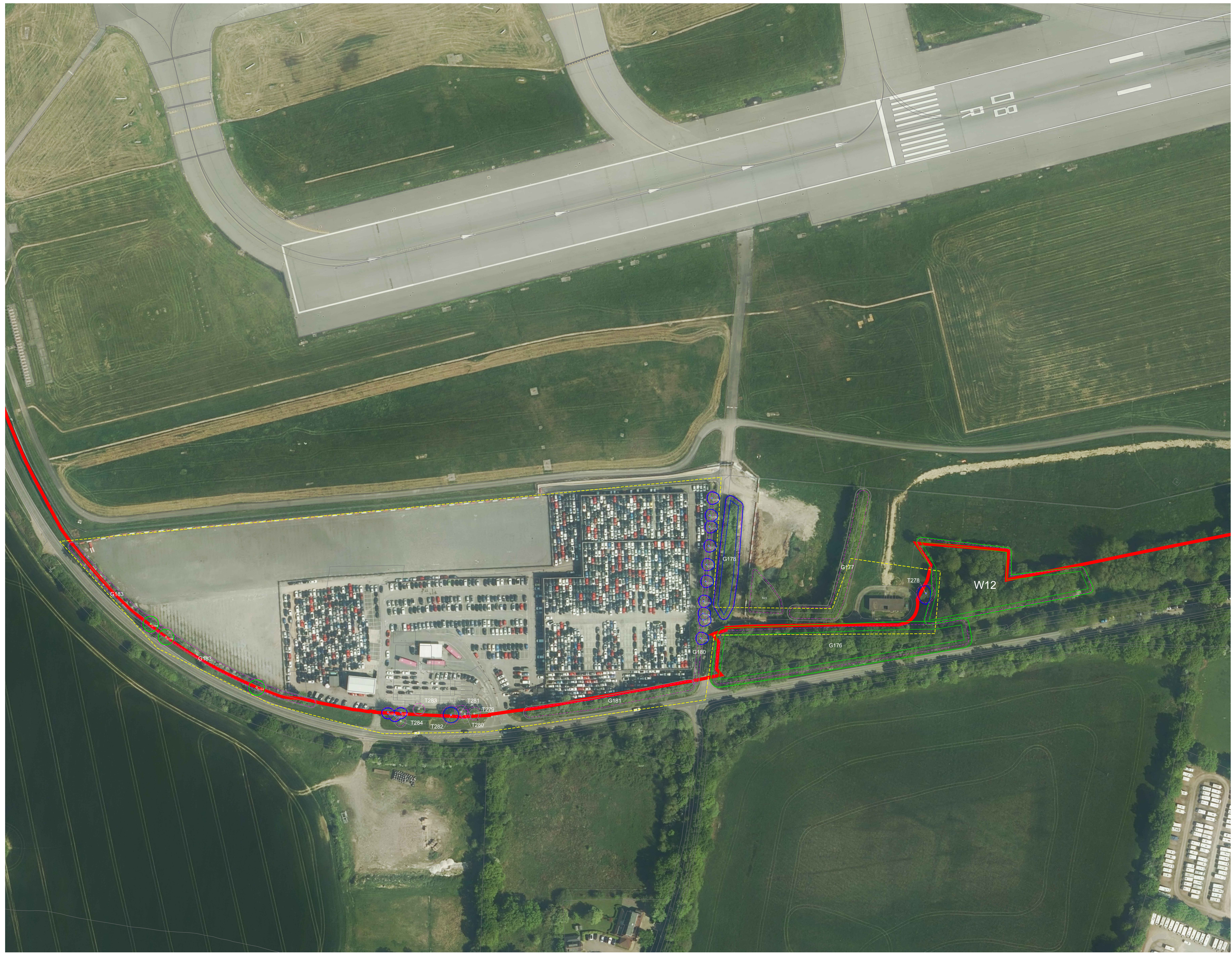
**June 2024**

N ↑	ORIENTATION	DRAWING NO.	REVISION
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	RC	DC	

SCALE @ A0

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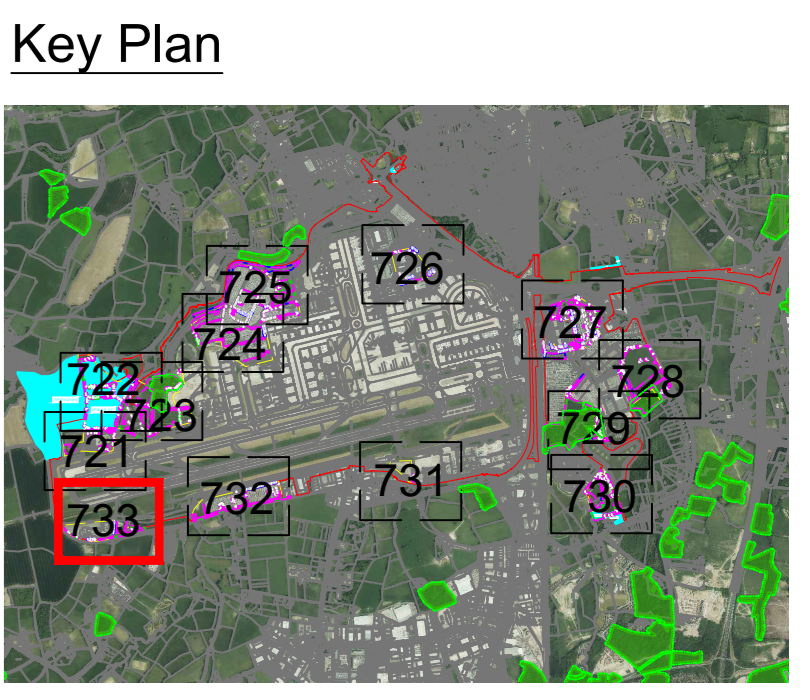
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**Airport Tree Survey Plans  
Appendix 8.10.1  
Sheet 13 of 13**

DATE

**June 2024**

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	DRAWN BY	PM / CHECKED BY
	RC	DC

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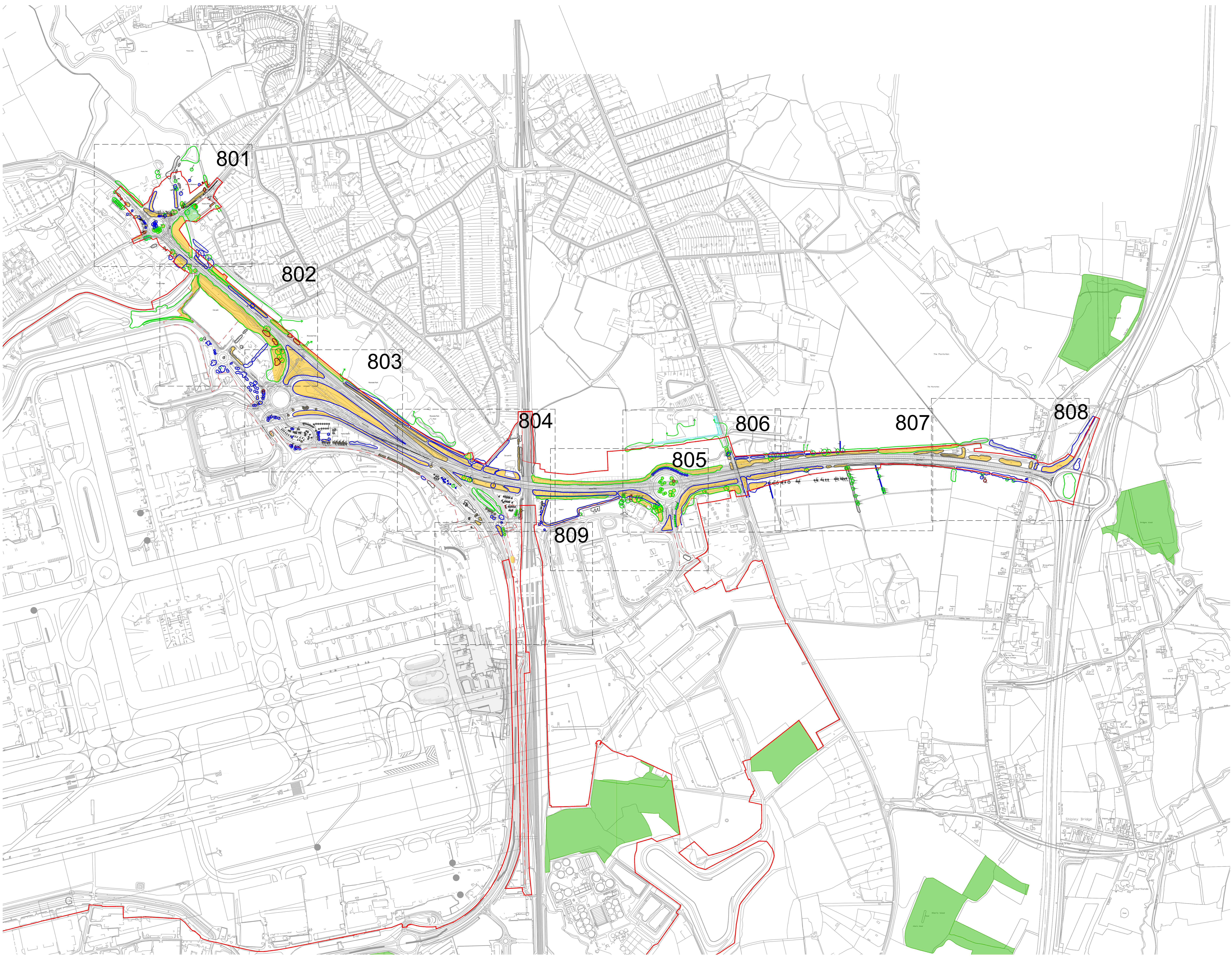
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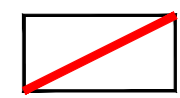
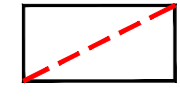


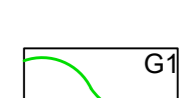
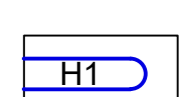




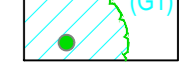
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Appendix H  
M23 & A23 Preliminary Tree Removal Plans





**Key**

-  Site Boundary
-  Survey Boundary / Boundary of M23/A23 construction activity
-  Projected Tree loss required for construction (Worst Case Scenario)
-  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 Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
-  H1 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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**NOTE:**  
 • Refer to ES Appendix 8.10.1: Tree Survey Report and Arboricultural Impact Assessment for further details.

**DOCUMENT**

Environmental Statement

**DRAWING TITLE**

M23 & A23 Preliminary Tree Removal Plans Appendix 8.10.1 Overview

**DATE**

June 2024

**ORIENTATION**



**DRAWING NO.**

800

**REVISION**

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RC

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DC

**SCALE @ A0**

Custom Scale

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