



Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 5.3.2: Code of Construction Practice – Annex 6: Outline Arboricultural and Vegetation

Method Statement – Part 2 – Tracked Version

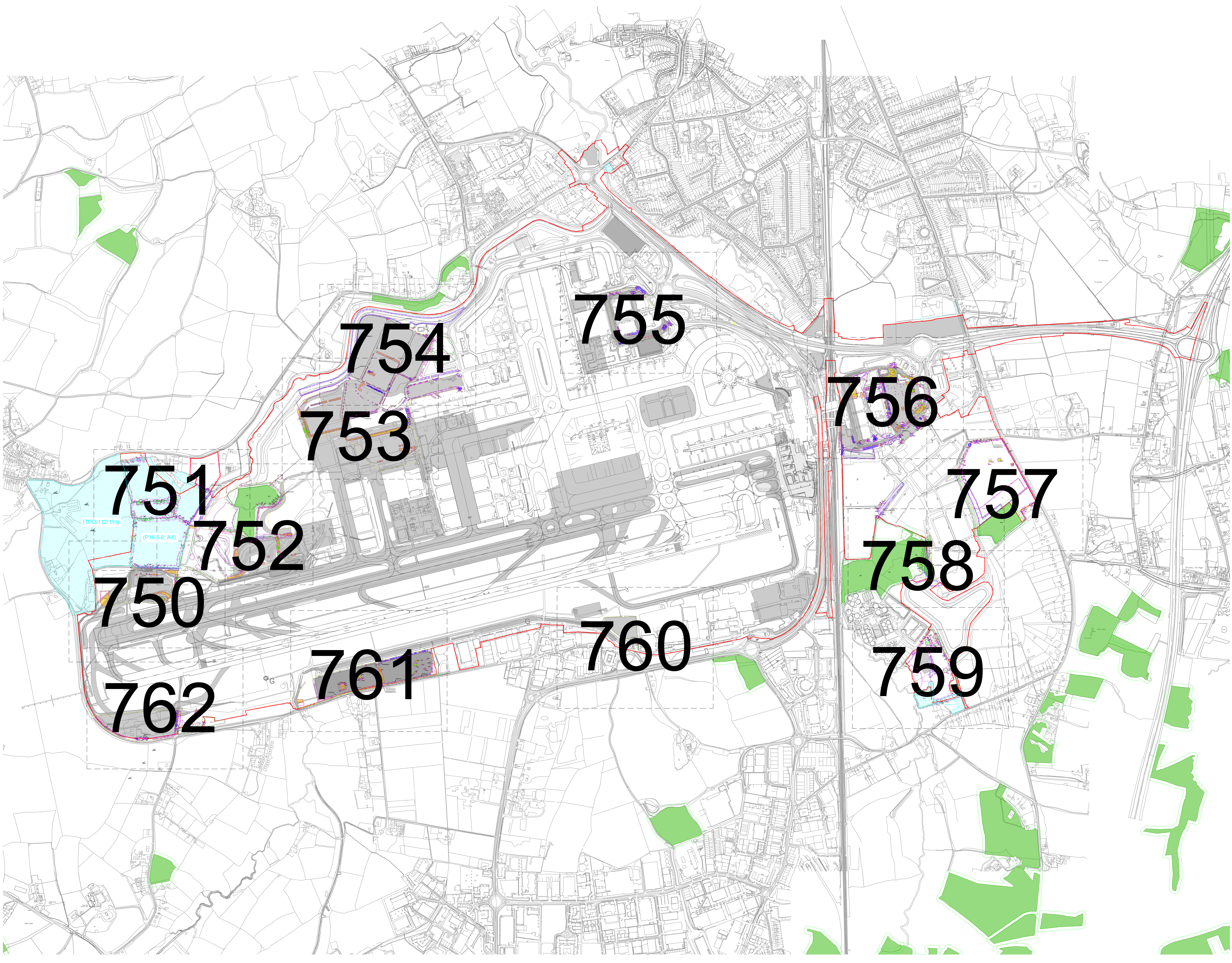
Book 5

VERSION: 5.0

DATE: AUGUST 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 (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 centreline.
- W1 Woodland with numbered reference. Canopy extents coloured to match BS5837:2012 tree quality category as shown below and dashed line to show native 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)
- Projected tree loss required for construction of the Project (worst case scenario)
- Indicative Scheme Layout
- Indicative temporary protective fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative secondary protective Hi-Vis Mesh fence in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative vegetation protective fence/line: Design and location to be agreed by local council during detail design.

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

DOCUMENT

Environmental Statement

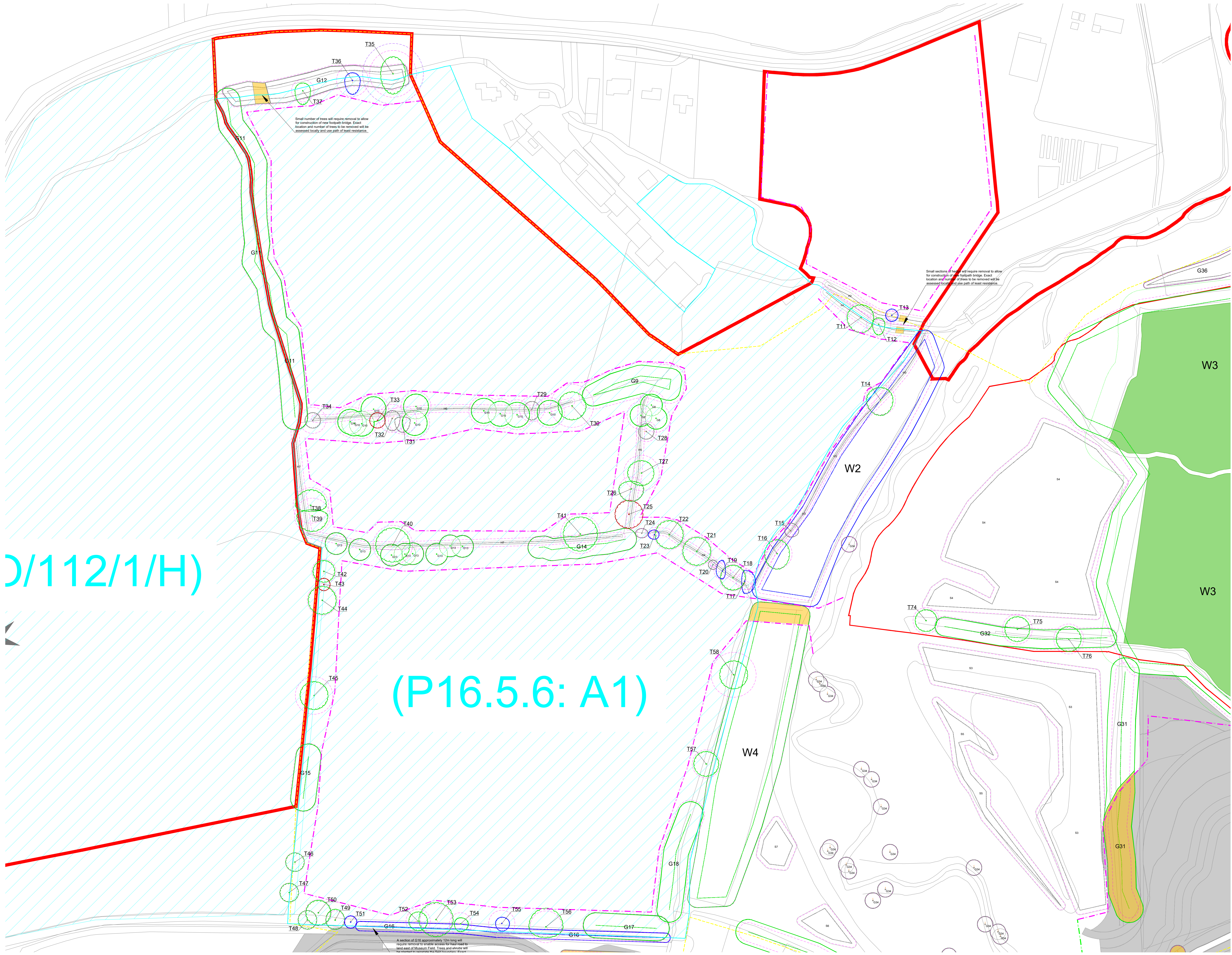
DRAWING TITLE
Airport Preliminary Tree Removal & Protection Plans Appendix 5.3.2 Annex 6 Overview

DATE
August 2024

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| ORIENTATION | DRAWING NO. | REVISION |
| N | 735 | For ES Issue |
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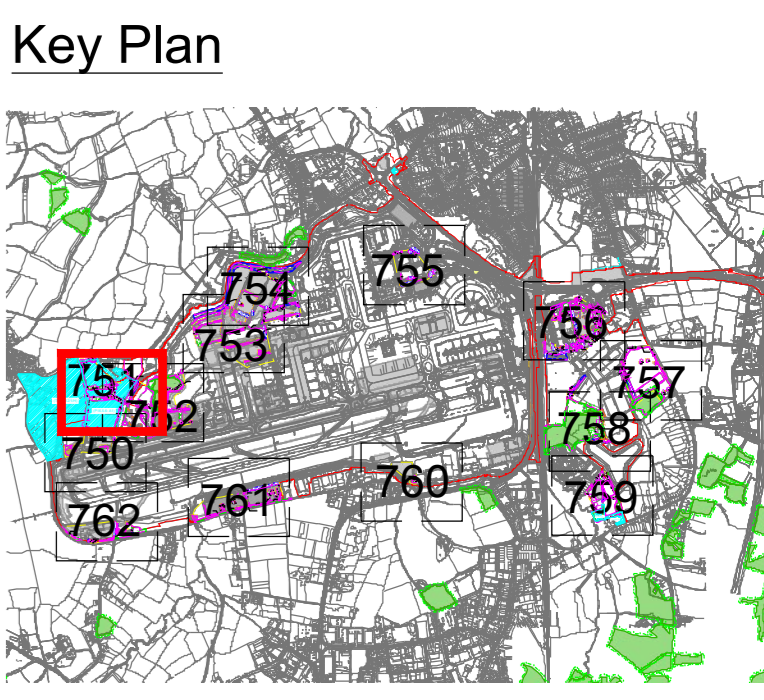


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(P16.5.6: A1)

- Key**
- Site boundary
 - Survey boundary
 - Tree with numbered reference. Canopy spread and coloured BS5837:2012 tree quality category as shown below.
 - = Tree details estimate (non-possible tree)
 - = Tree in 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 centreline.
 - 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
- Road protection area (RPA). Calculated in accordance with Section 4.6 - BS5837:2012
 - Vegetation free buffer (15 x stem Ø) (as per standing advice produced by Forestry England and Natural England)
 - Tree protected by Tree Preservation Order. Bracketed 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)
 - Projected tree loss required for construction of the Project (worst case scenario)
 - Indicative Scheme Layout
 - Indicative temporary protective fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
 - Indicative secondary protective Hx15 Mesh fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
 - Indicative vegetation protective fence/line. Design and location to be agreed by local council during detail design.

- NOTES:**
- Refer to ES Appendix B.10.1: Tree Survey Report and Arboricultural
 - Impact Assessment for further details.
 - Some trees are to be removed from the ground and are not intended as a final arboricultural operation.
 - Tree removal is to be undertaken in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction'.
 - Some trees are to be removed and trees to be replaced.
-



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Environmental Statement

DRAWING TITLE
Airport Preliminary Tree Removal & Protection Plans Appendix 5.3.2 Annex 6 Sheet 2 of 13

DATE
August 2024

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| N | 751 | For ES Issue |
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5.6: A1)

Key

- Site boundary
- Survey boundary
- Tree with numbered reference. Canopy area and colour to match 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 extent coloured to match BS5837:2012 tree quality category as shown below
- Tree or vegetation group with numbered reference. Canopy extent coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative stem line.
- Hedge with numbered reference. Canopy extent and colour to match BS5837:2012 tree quality category as shown below and dashed line to show hedge centreline.
- Woodland with numbered reference. Canopy extent coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative tree line.

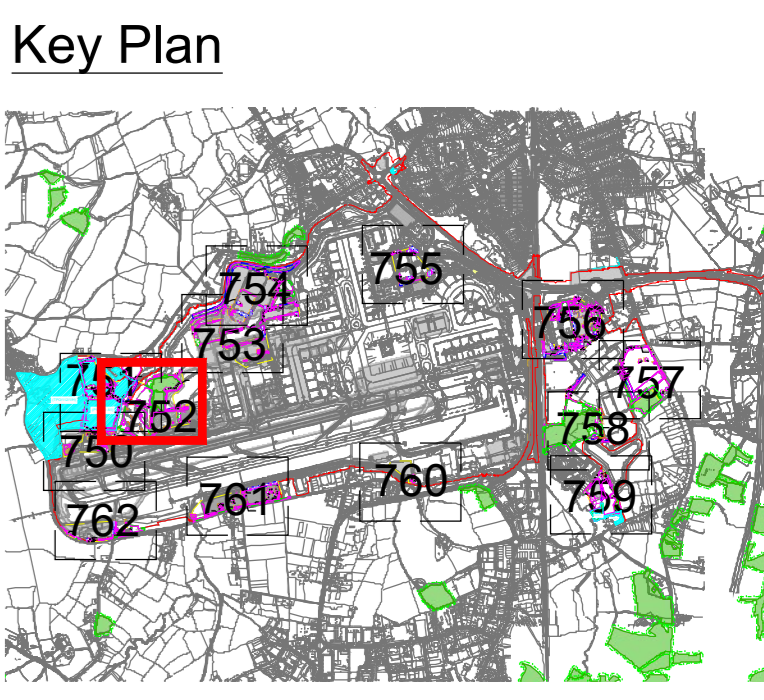
BS 5837:2012 Tree Quality Categories - Table 1

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

- Direction of first significant branch
- Road protection area (RPA). Calculated in accordance with Section 4.6 - BS5837:2012
- Vegetation 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 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)
- Projected tree loss required for construction of the Project (worst case scenario)
- Indicative Scheme Layout
- Indicative temporary protective fence line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative secondary protective Hx15 Mesh fence in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative vegetation protective fence line. Design and location to be agreed by local council during detail design.

NOTES:

- Refer to ES Appendix 6.10.1: Tree Survey Report and Arboricultural Impact Assessment for further details.
- Some trees are to be removed from the ground and are not retained as a full arboricultural reservation.
- Plan and location to be agreed by local council during detail design.
- BS5837:2012 - "Trees in Relation to Design, Demolition and Construction"
- Some trees are to be removed from the ground and are not retained as a full arboricultural reservation.



DOCUMENT

Environmental Statement

DRAWING TITLE
Airport Preliminary Tree Removal & Protection Plans
 Appendix 5.3.2 Annex 6
 Sheet 3 of 13

DATE
 August 2024

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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 (non-possible 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 of 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 centreline
- 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

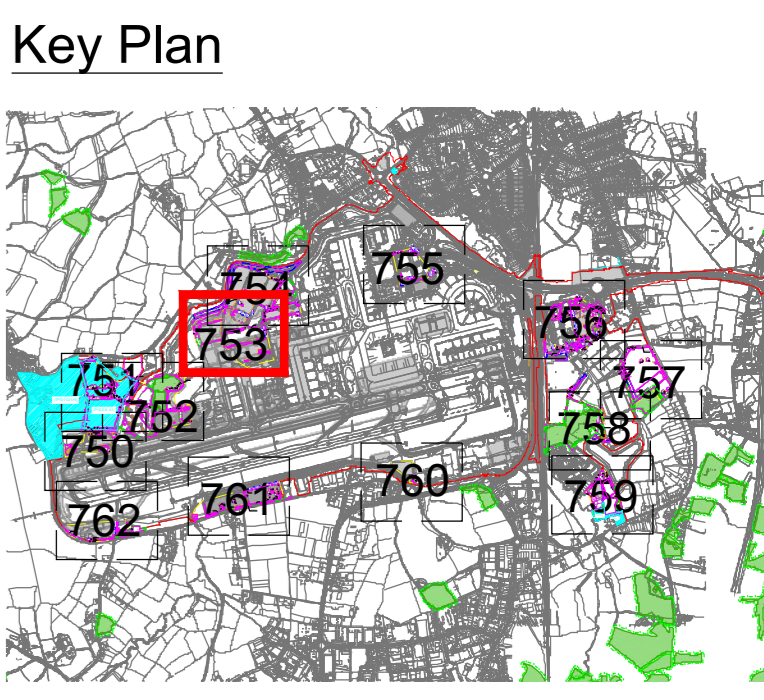
BS 5837:2012 Tree Quality Categories - Table 1

- Category A - High quality
- Category B - Moderate quality
- Category C - Low quality
- Category U - Unstable for retention

- Direction of first significant branch
- Road protection area (RPA)
- Calculated in accordance with Section 4.6 - BS5837:2012
- Vegetation free buffer (15 x stem Ø) (as per standing advice produced by Forestry England and Natural England)
- Tree protected by Tree Preservation Order. Bracketed 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)
- Projected tree loss required for construction of the Project (worst case scenario)
- Indicative Scheme Layout
- Indicative temporary protective fence line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative secondary protective Hi Vis Mesh fence line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative vegetation protective fence line. Design and location to be agreed by local council during detail design.

NOTES

- Refer to ES Appendix B.10.1: Tree Survey Report and Arboricultural
- Some trees are to be retained from the ground and are not intended as a full arboricultural retention
- Plan shown in accordance with BS5837:2012 - Part 2: 2012 - 'Trees in Relation to design, demolition and construction'
- Some trees are to be removed and trees shown to be removed



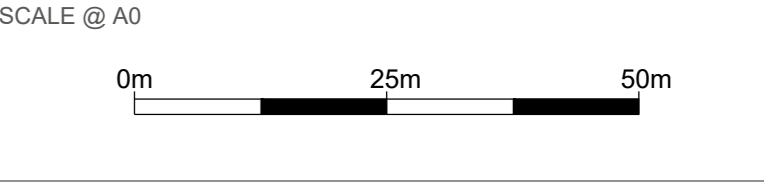
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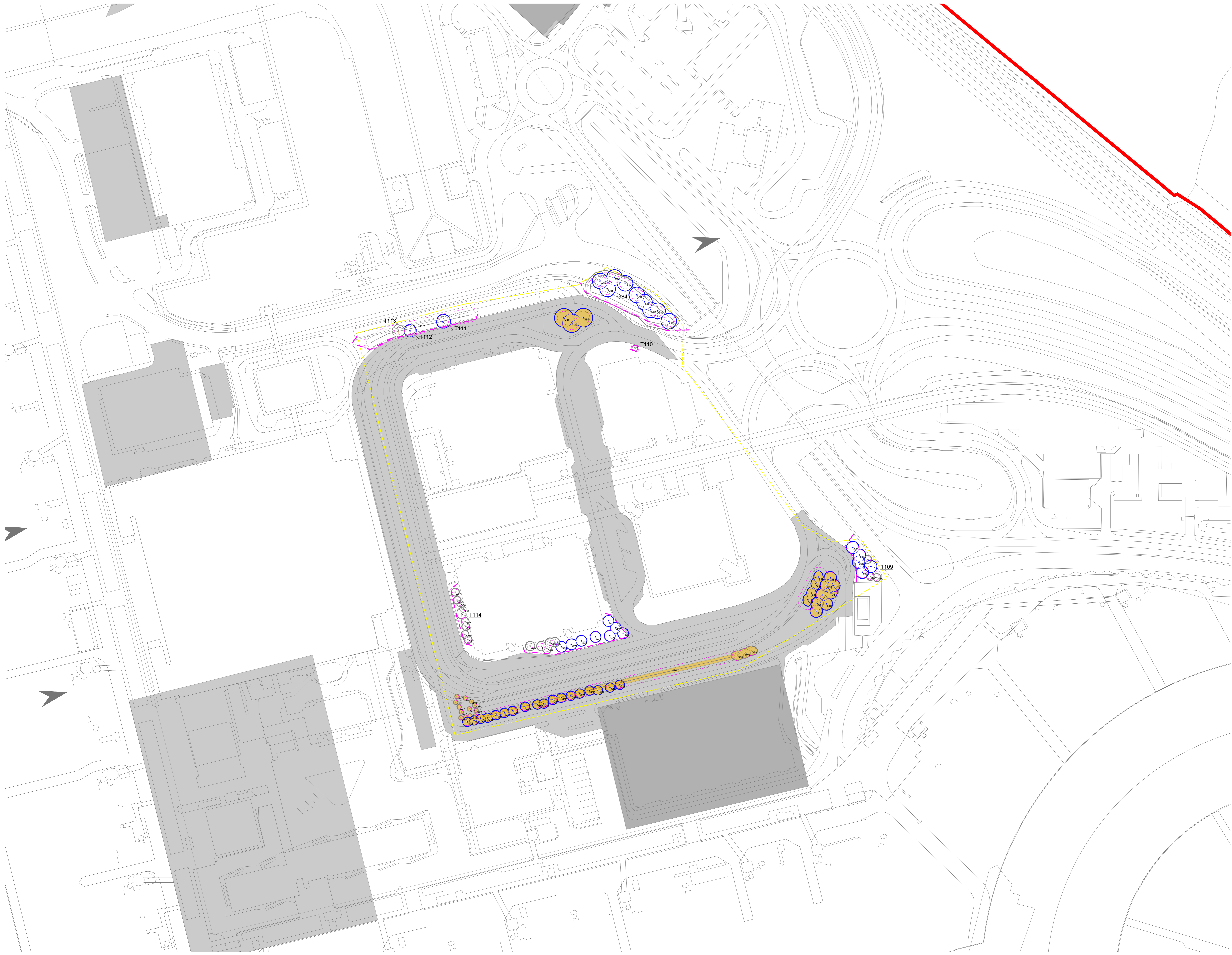
DRAWING TITLE
Airport Preliminary Tree Removal & Protection Plans
 Appendix 5.3.2 Annex 6
 Sheet 4 of 13

DATE
August 2024

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Key

- Site boundary.
- Survey boundary.
- Tree with numbered reference. Canopy extent and colour 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 extent colour to match BS5837:2012 tree quality category as shown below.
- Tree or vegetation group with numbered reference. Canopy extent colour to match BS5837:2012 tree quality category as shown below and dashed line to show indicative stem line.
- Hedge with numbered reference. Canopy extent and colour BS5837:2012 tree quality category as shown below and dashed line to show hedge centreline.
- Woodland with numbered reference. Canopy extent colour to match BS5837:2012 tree quality category as shown below and dashed line to show indicative tree line.

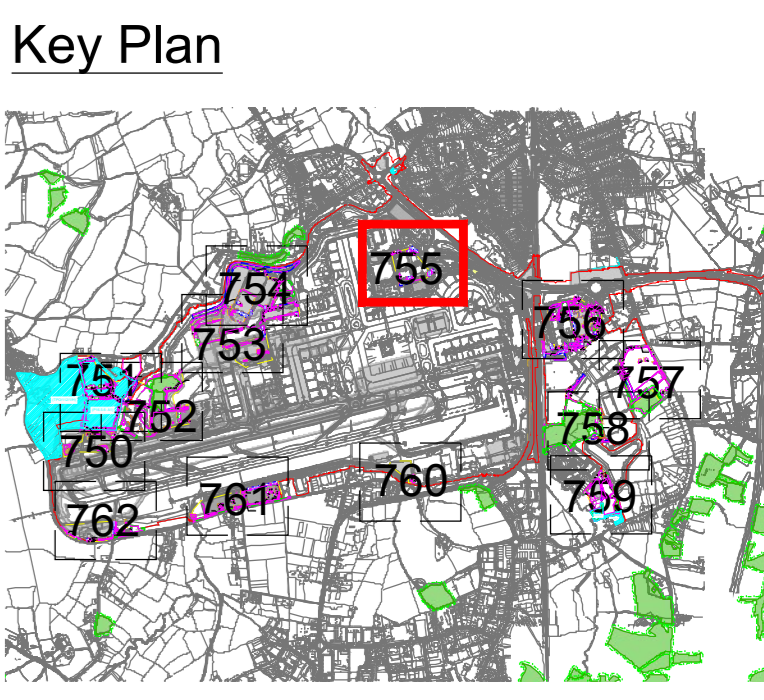
BS 5837:2012 Tree Quality Categories - Table 1

- Category A - High quality
- Category B - Moderate quality
- Category C - Low quality
- Category U - Unstable for retention

- Direction of first significant branch
- Root protection area (RPA) BS5837:2012
- Vegetation free buffer (15 x stem Ø) (as per standing advice produced by Forestry England and Natural England)
- Tree protected by Tree Preservation Order. Bracketed 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)
- Projected tree loss required for construction of the Project (worst case scenario)
- Indicative Scheme Layout
- Indicative temporary protective fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative secondary protective H/Vs Mesh fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
- Indicative vegetation protective fence/line. Design and location to be agreed by local council during detail design.

NOTES:

- Refer to ES Appendix A.10.1: Tree Survey Report and Arboricultural
- Impact Assessment for further details.
- General assessment for further details.
- Plan shown in accordance with recommendations set out in BS 5837:2012 - "Trees in Relation to design, demolition and construction".
- Some trees are shown in red (Category U) and are to be removed.



DOCUMENT

Environmental Statement

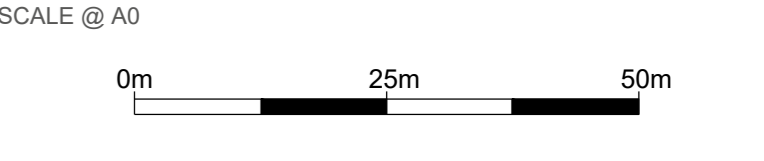
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Airport Preliminary Tree Removal & Protection Plans Appendix 5.3.2 Annex 6 Sheet 6 of 13

DATE

August 2024

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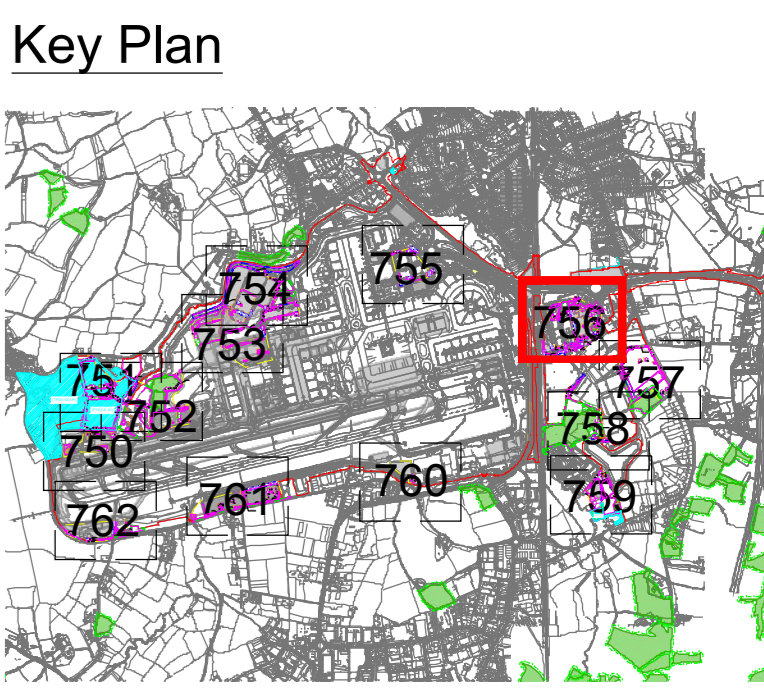
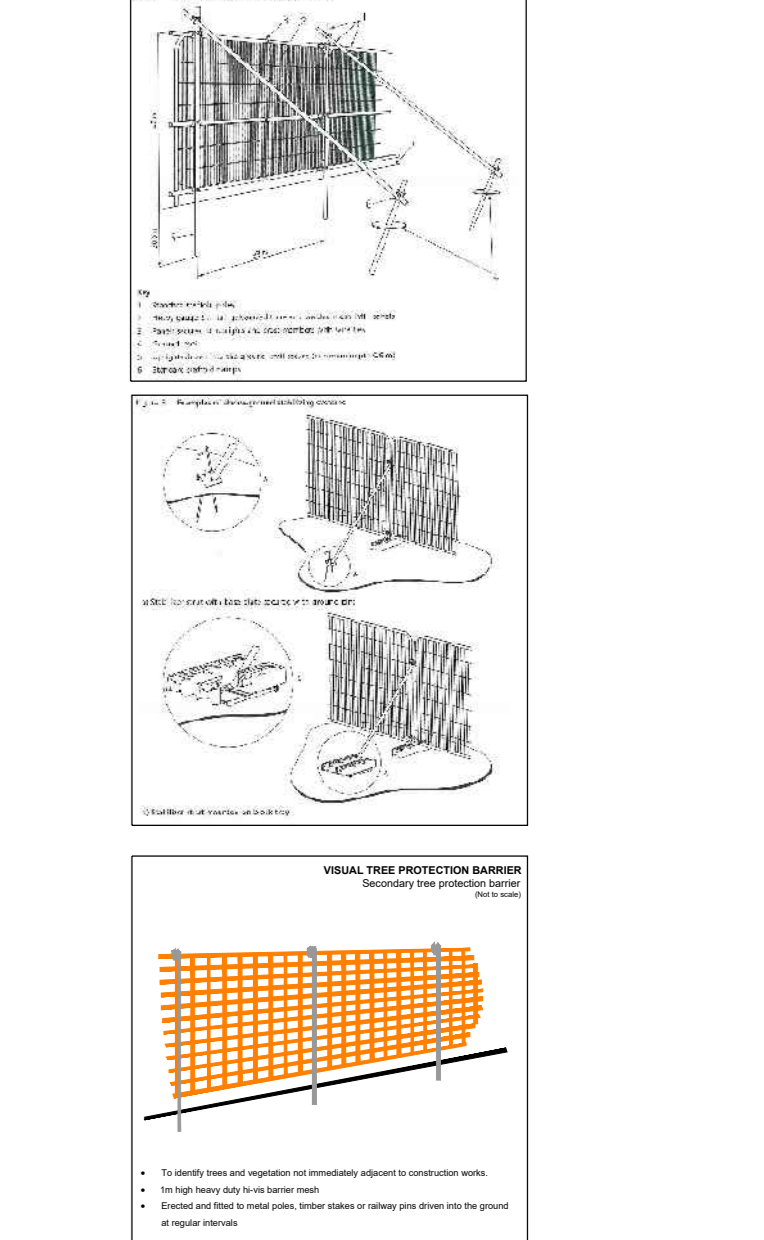
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- Key**
- Site boundary.
 - Survey boundary.
 - Tree with numbered reference. Canopy area and colour to match BS5837:2012 tree quality category as shown below.
 - = Tree status estimate (reasonable tree)
 - = Tree in off site location
 - Tree group plotted with individual stem locations and numbered reference. Canopy extends coloured to match BS5837:2012 tree quality category as shown below and dashed line to show indicative stem line.
 - Hedge with numbered reference. Canopy extends coloured to match BS5837:2012 tree quality category as shown below and dashed line to show hedge centreline.
 - Woodland with numbered reference. Canopy extends 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 - Unstable for retention
- Direction of first significant branch
 - Road protection area (RPA). Calculated in accordance with Section 4.6 - BS5837:2012
 - Vegetation 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 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)
 - Projected tree loss required for construction of the Project (worst case scenario)
 - Indicative Scheme Layout
 - Indicative temporary protective fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
 - Indicative secondary protective Hx15 Mesh fence in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
 - Indicative vegetation protective fence/line. Design and location to be agreed by local council during detail design.

NOTES:

- Refer to ES Appendix A.10.1: Tree Survey Report and Arboricultural
- Impact Assessment for further details.
- Some assessments are local to the ground and are not intended as a full arboricultural inspection.
- Plans are not to be used for construction or other BS 5837:2012 - "Trees in Relation to Design, Demolition and Construction".
- Some trees are open to aerial photography and trees visible to eye.



DOCUMENT
Environmental Statement

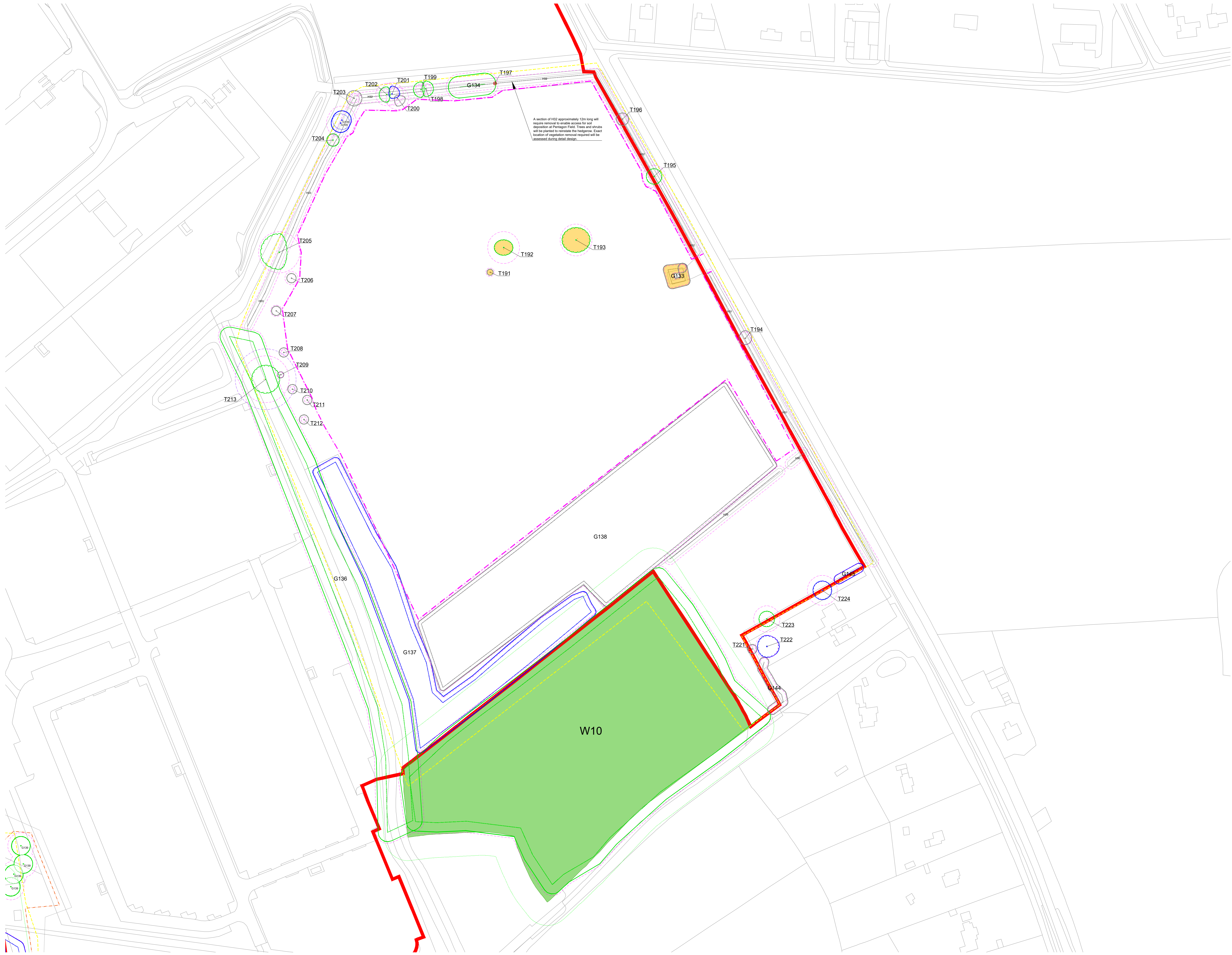
DRAWING TITLE
Airport Preliminary Tree Removal & Protection Plans Appendix 5.3.2 Annex 6 Sheet 7 of 13

DATE
August 2024

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Key

- Red line: Site boundary
- Yellow dashed line: Survey boundary
- Green circle: Tree with numbered reference. Canopy spread and coloured BSS537:2012 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 BSS537:2012 tree quality category as shown below and dashed line to show indicative stem line.
- H1: Hedge with numbered reference. Canopy extents and coloured BSS537:2012 tree quality category as shown below and dashed line to show hedge centreline.
- W1: Woodland with numbered reference. Canopy extents coloured to match BSS537:2012 tree quality category as shown below and dashed line to show indicative tree line.

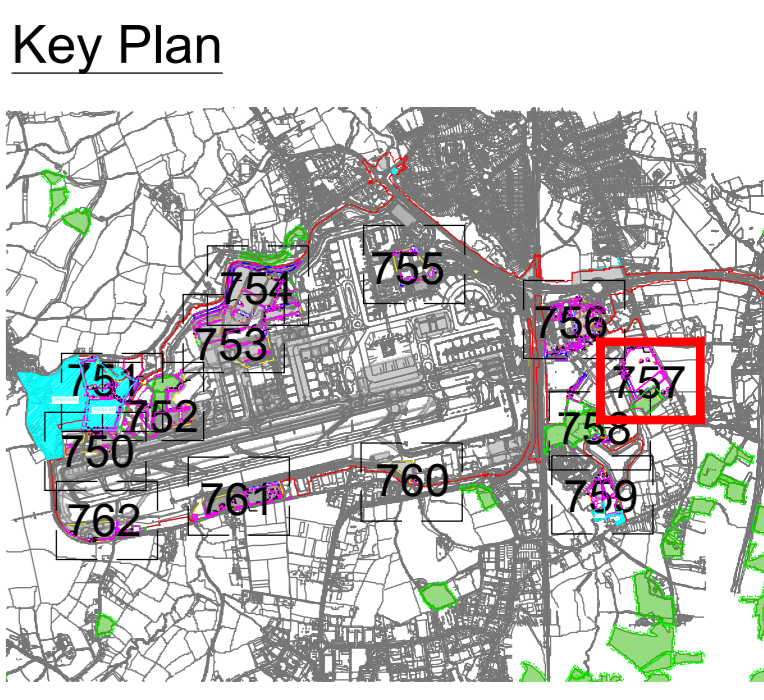
BSS537:2012 Tree Quality Categories - Table 1

- Category A - High quality (Green circle)
- Category B - Moderate quality (Blue circle)
- Category C - Low quality (Grey circle)
- Category U - Unstable for retention (Red circle)

- Orange arrow: Direction of first significant branch
- Red line: Road protection area (RPA) Calculated in accordance with Section 4.6 - BSS537:2012
- Purple dashed line: Veteran tree buffer (15 x stem Ø) (as per standing advice produced by Forestry England and Natural England)
- Green dashed line: Tree protected by Tree Preservation Order. Bracketed number relates to the TPO reference.
- Green area: Designated Ancient Woodland (as per Natural England ancient woodland inventory, via open data publication)
- Light green area: Ancient Woodland tree buffer (15m offset) (as per standing advice produced by Forestry England and Natural England)
- Yellow area: Projected tree loss required for construction of the Project (worst case scenario)
- Grey area: Indicative Scheme Layout
- Pink dashed line: Indicative temporary protective fence/line in accordance with Section 6.2 - BSS537:2012. See below for example barriers.
- Orange dashed line: Indicative secondary protective HxVs Mesh fence/line in accordance with Section 6.2 - BSS537:2012. See below for example barriers.
- Green dashed line: Indicative vegetation protective fence/line; Design and location to be agreed by local council during detail design.

NOTES:

- Refer to ES Appendix B.10.1: Tree Survey Report and Arboricultural
- Some elements are for further details.
- Some elements are to be removed from the ground and is not intended as a full arboricultural inspection.
- For confirmation of construction information see the BSS537:2012 - 'Trees in Relation to Design, Demolition and Construction'.
- Some items are for reference only and are not to be used for construction.



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Environmental Statement

DRAWING TITLE

Airport Preliminary Tree Removal & Protection Plans
Appendix 5.3.2 Annex 6
Sheet 8 of 13

DATE

August 2024

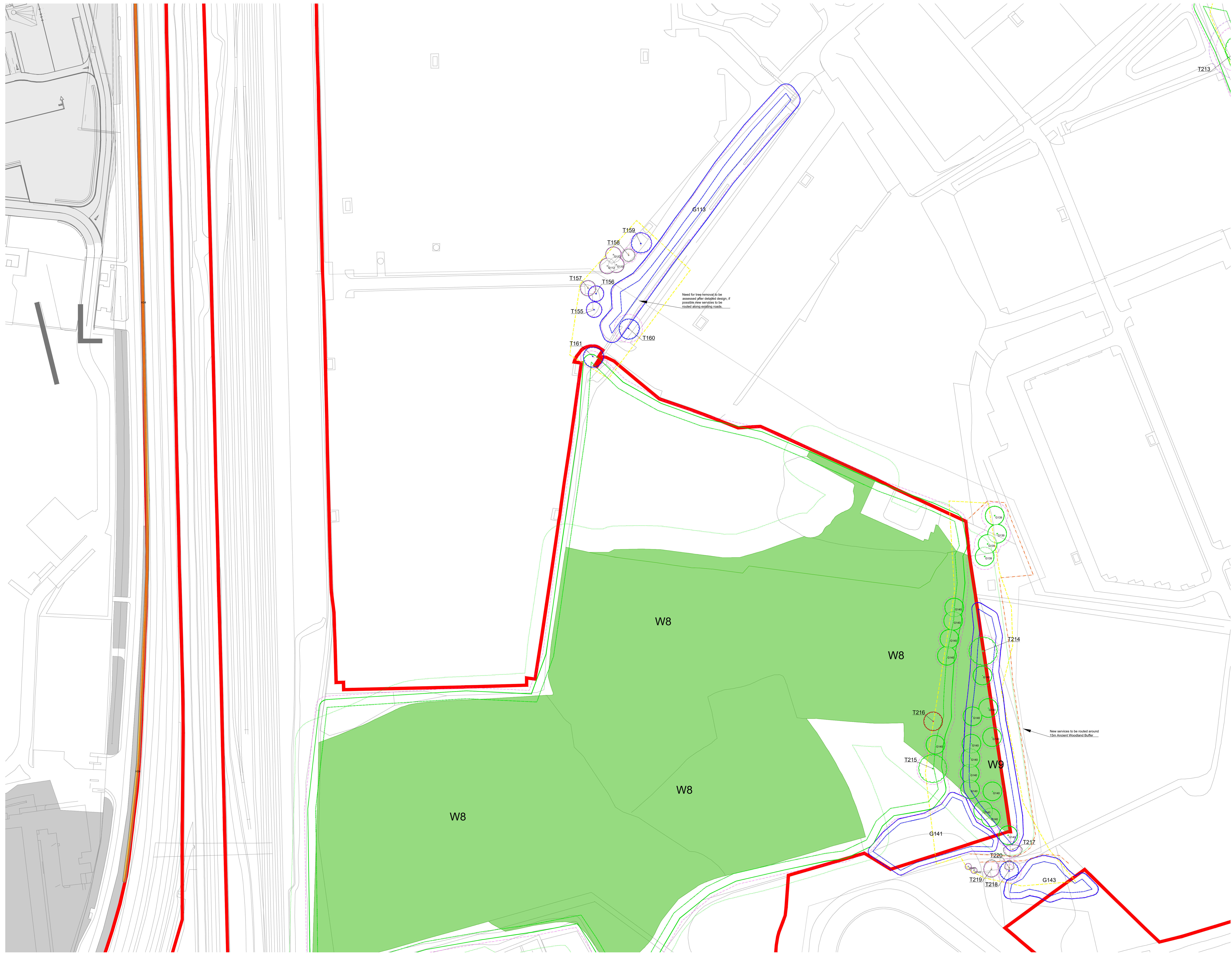
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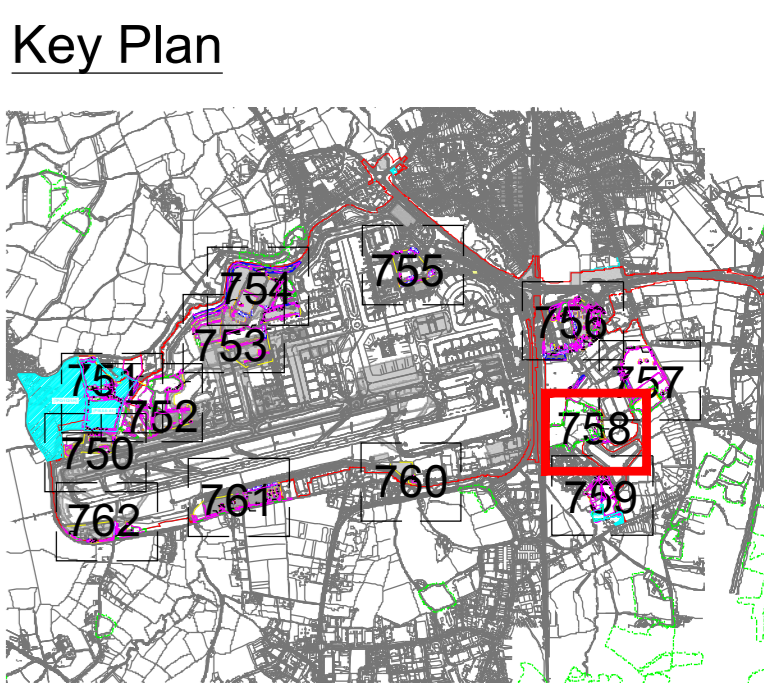
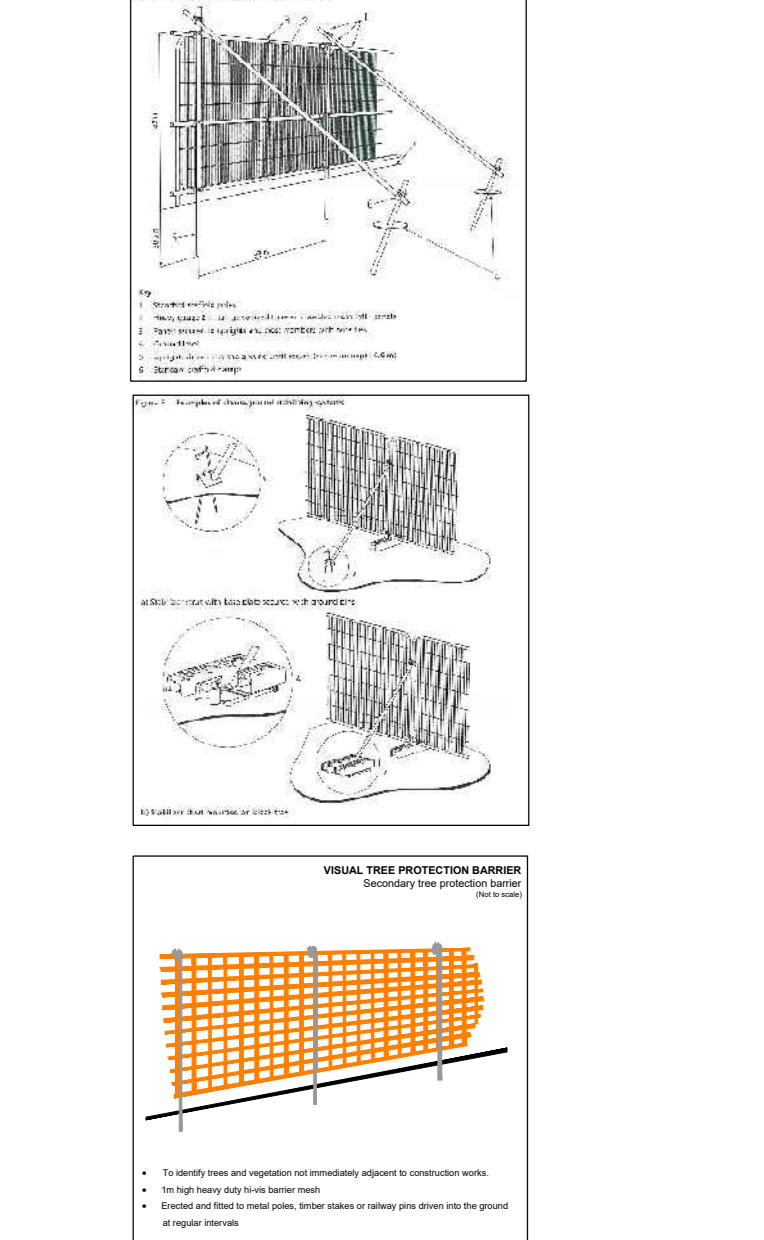
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- Key**
- Site boundary
 - Survey boundary
 - Tree with numbered reference. Canopy spread and coloured BS5837:2012 tree quality category as shown below.
 - = Tree details estimate (accessible tree)
 - = Tree in off site location
 - Tree group plotted 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 centreline.
 - 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 - Unstable for retention
- Direction of first significant branch
 - Road protection area (RPA) Calculated in accordance with Section 4.6 - BS5837:2012
 - Vegetation free buffer (15 x stem Ø) (as per standing advice produced by Forestry England and Natural England)
 - Tree protected by Tree Preservation Order. Bracketed 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)
 - Projected tree loss required for construction of the Project (worst case scenario)
 - Indicative Scheme Layout
 - Indicative temporary protective fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
 - Indicative secondary protective HxV Mesh fence/line in accordance with Section 6.2 - BS5837:2012. See below for example barriers.
 - Indicative vegetation protective fence/line; Design and location to be agreed by local council during detail design.

NOTES:

- Refer to ES Appendix B.10.1: Tree Survey Report and Arboricultural
- Impact Assessment for further details.
- Some trees are to be removed from the ground and is not intended as a full arboricultural inspection.
- Plan information is for information only and is not intended as a final design.
- BS5837:2012 - "Trees in Relation to design, demolition and construction"
- Some trees are to be removed from the ground and is not intended as a full arboricultural inspection.



Environmental Statement

DRAWING TITLE
 Airport Preliminary Tree Removal & Protection Plans
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 Sheet 9 of 13

DATE August 2024

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