



# Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 8.8.1: Outline Landscape and Ecology Management Plan – Part 3 – Tracked Version

**Book 5**

VERSION: 2.0

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Annex 1

Typical Programme of Operations

ACTIVITY	January	February	March	April	May	June	July	August	September	October	November	December
<b>GRASS &amp; MEADOW AREAS:</b>												
Mow grass												
Strim meadow												
Weed control												
<b>WOODLAND and NATIVE/AMENITY SHRUB AND HEDGE PLANTING:</b>												
Maintain mulch (where used)												
Weed control												
Selective pruning												
Hedge Clipping												
Trim groundcover & climbers												
Coppice (if required)												
Watering (until establishment)												
<b>INDIVIDUAL TREES:</b>												
Check and adjust support												
Formative pruning												
Remedial pruning												
<b>LITTER CONTROL:</b>												
Collect litter												



ACTIVITY	January	February	March	April	May	June	July	August	September	October	November	December
<b>CONSTRUCTED WETLAND (REED BEDS-AT-WATER TREATMENT WORKS)</b>												
<u>Remove decomposing vegetation/ fallen leaves</u>												
<u>Control reeds/wetland species</u>												
<b>HARD AREAS:</b>												
Sweeping												
Control moss/algae												
Weed control												
Ice and snow removal												
<b>LEAF FALL:</b>												
Clear fallen leaves												
<b>PLANT NUTRITION:</b>												
Apply fertiliser												
<b>PEST AND DISEASE CONTROL</b>												
Physical / Mechanical means												
<b>MONITORING AND INSPECTION:</b>												
Generally												
<b>TIMING OF OPERATIONS:</b>												
Avoid nesting birds												
Avoid disturbing bats												



Landscape Maintenance Schedule

	Landscape/ Ecological Element	Maintenance Objectives	Maintenance Requirements	Relevant standards/ guidance
<b>Existing Planting</b>				
1	Woodland (Incl. Existing Tree Belts and Tree Groups)	<p>Retain trees in a safe condition of good general health, vigour and structural stability.</p> <p>Enhance visual amenity</p> <p>Protect and enhance landscape character</p> <p>Enhance biodiversity</p> <p>Bats: Maintain and enhance existing bat foraging habitats around the site.</p> <p>Habitats: Create and maintain new patches of scrub and small copses</p> <p>Integrate with surrounding landscape and character</p>	<p>Inspect all trees adjoining public highways and footpaths for public safety periodically or immediately after any extreme weather event such as high winds.</p> <p>Carry out any remedial pruning and/or general tree works in accordance with BS:3998</p> <p>Selectively control excessive invasive growth such as bramble.</p> <p>Undertake coppicing to selected species on a 5-year cycle or other specialist management operations as specified and leave all arisings on site, to provide dead wood habitat of benefit to wildlife.</p> <p>Undertake thinning to ensure the health of the regenerating tree areas. Thinning should be commenced when the outermost leaves of crowns are competing for light with leaves of neighbouring trees. Leave all arisings on site in the woodland, to provide dead wood habitat of benefit to wildlife.</p> <p>Exercise extreme care when working in close proximity to fall risks. Adopt a 'man-safe' or similar system of working.</p> <p>Retain live or dead wood cut from trees on site in habitat piles.</p> <p>All works in woodlands should be undertaken between November and February to avoid impacts on woodland-nesting birds. However, when carrying out works, avoid compacting ground during autumn/winter.</p> <p>Stagger operations to provide adjoining, alternative undisturbed areas for wildlife to migrate to.</p>	<p>BS:3998: Recommendations for tree work</p> <p>BS 7370-4: Grounds maintenance</p> <p>The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works.</p>
2	Solitary trees (Hedgerow trees)	<p>Enhance visual amenity</p> <p>Protect and enhance landscape character</p> <p>Reinforce site layout and legibility</p> <p>Enhance biodiversity</p> <p>Bats: maintain and enhance existing bat foraging habitats around the site.</p> <p>Bats: create and maintain a new commuting flight path across the site.</p>	<p>Inspect trees to assess whether they pose any unacceptable risk to public safety on an annual basis or immediately after any extreme weather event such as high winds.</p> <p>Maintain a well-balanced crown, shape and character typical of the species, clear of any crossing or rubbing growth allowing a clear stem, 2m above ground level.</p> <p>Maintain a crown height of 4.5m on trees directly bounding main access ways.</p> <p>Remove any dead, dying and damaged branches or growth obstructing pedestrian or vehicular routes (obtain advice from an ecologist regarding possible presence of bat roosts prior to undertaking work).</p> <p>Retain live or dead wood cut from trees on site in habitat piles.</p> <p>Replace any damaged bat boxes.</p> <p>Undertake pest and disease control using suitable pesticides or fungicides as advised, only if severe infestation occurs.</p>	<p>BS 3998: Recommendations for tree work</p> <p>The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works.</p>
3	Woodland Edge (Woodland Edge)	<p>Reinforce a wind-firm woodland edge</p> <p>Enhance visual amenity</p> <p>Protect and enhance landscape character</p> <p>Integrate with nearby woodland character</p> <p>Enhance biodiversity</p> <p>Bats: Maintain and enhance existing bat foraging habitats around the site.</p>	<p>Scallop edges of dense regenerative woodland to produce a varied edge to the woodland.</p> <p>Selectively coppice native shrubs to provide a varied woodland edge canopy.</p> <p>Cut patches of vegetation on rotation every 2-3 years in late August, to a height of 10cm, to form glades and encourage the formation of a structure of benefit to invertebrates.</p> <p>Leave cut vegetation in situ for 3-5 days, turning occasionally to dry and allow more seeds to be shed.</p> <p>Remove litter, rubbish and other debris from grassed areas prior to cutting.</p>	<p>None</p>



	Landscape/ Ecological Element	Maintenance Objectives	Maintenance Requirements	Relevant standards/ guidance
			<p>Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks.</p> <p>Exercise extreme care when working in close proximity to any standing water.</p> <p>Do not apply insecticides, herbicides or fungicides, as these can destroy valuable wildlife. The exception is herbicides for the control of specific problem weeds (i.e. nettle, spear thistle, creeping thistle, curled dock, broadleaved dock and ragwort) – herbicides for these species should be applied by weed wiper or spot treatment with a back-pack sprayer.</p> <p>Stagger operations to provide adjoining, alternative undisturbed areas for wildlife to migrate to.</p>	
<b>Proposed Planting</b>				
4	Planted Trees	<p>Enhance visual amenity.</p> <p>Screening of built form and infrastructure.</p> <p>Protect and enhance landscape character.</p> <p>Reinforce airport layout and legibility.</p> <p>Enhance biodiversity,</p> <p>Bats: maintain and enhance existing bat foraging habitats around the site.</p> <p>Bats: create and maintain a new commuting flight path across the site.</p>	<p>Pruning shall be carried out as necessary to establish a well-balanced head relative to the natural form and shape of the species and purpose. Maintain a well-balanced crown, shape and character typical of the species, clear of any crossing or rubbing growth allowing a clear stem, 2m above ground level (retain if field tree feathered to ground)</p> <p>Remove any dead, dying and damaged branches or growth obstructing pedestrian or vehicular routes including the removal of any suckers at the tree base.</p> <p>Stack cut wood within the wooded area adjacent to the north east boundary in agreed locations to encourage ecological diversity.</p> <p>Tree support systems, ties and protective guards shall be checked regularly during establishment and adjusted where necessary. Any broken or missing items shall be replaced and ties adjusted to allow growth and prevent rubbing of bark.</p> <p>Replace any damaged bat boxes.</p> <p>Undertake Pest and Disease Control using suitable pesticides or fungicides as advised, only if severe infestation occurs.</p> <p>Maintain a weed free area at the base of all trees, 1m diameter mulch area for trees in grass or planting.</p>	<p>BS 3998: Recommendations for tree work</p> <p>BS 7370-4: Grounds maintenance</p> <p>Recommendations for maintenance of soft landscape</p> <p>The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works sept.</p>
5	Planted Native Hedgerow	<p>Enhance Visual Amenity.</p> <p>Screening of built form and infrastructure.</p> <p>Protect and enhance landscape character.</p> <p>Integrate with surrounding landscape/townscape character.</p> <p>Enhance biodiversity,</p> <p>Bats: maintain and enhance existing bat foraging habitats around the site.</p> <p>Habitats: Create and maintain new patches of scrub and small copses.</p>	<p>Hedgerows that adjoin footpaths and which are therefore likely to cause obstruction if growth is left unchecked should be cut back annually outside the bird breeding season (March to August inclusive) to a neat and consistent finish to maintain a dense screen and all arisings removed off site.</p> <p>Hedgerows on site are to be cut every 1-2 years (on rotation) to allow flowering and fruiting and the development of a structure of benefit to wildlife, outside the bird breeding season (March to August inclusive). Shred arisings and compost on site.</p> <p>Remove any dead, dying and damaged growth or growth obstructing pedestrian or vehicular routes outside of bird breeding season (March to August inclusive).</p> <p>Check condition of stakes, and spiral guards. ties, guys and shelters and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark.</p> <p>Re-firm any plants that have been disturbed by adverse weather or interference.</p> <p>Undertake pest control with approved pesticides in accordance with manufacturer's instructions in approved locations only.</p>	<p>BS 4428: Code of practice for general landscape operations</p> <p>BS 7370-4: Grounds maintenance</p> <p>Recommendations for maintenance of soft landscape</p>
6	Planted Woodland and Scrub	<p>Enhance visual amenity.</p> <p>Screening of built form and infrastructure.</p>	<p>Ensure all planted areas are kept free of pernicious weeds by the use of suitable herbicides hand pulling and/or maintain levels of mulch.</p>	<p>BS 4428: Code of practice for general landscape operations</p>



	Landscape/ Ecological Element	Maintenance Objectives	Maintenance Requirements	Relevant standards/ guidance
		<p>Protect and enhance landscape character. Integrate with surrounding landscape/townscape character.</p> <p>Enhance biodiversity.</p> <p>Bats: maintain and enhance existing bat foraging habitats around the site.</p> <p>Habitats: create and maintain new patches of scrub and small copses</p>	<p>Fork over beds as necessary to eliminate any hollows or cambers, ensuring the depth of mulch is maintained. Redistribute mulch as necessary to maintain specified levels.</p> <p>Check condition of stakes, ties, guys and shelters and replace broken or missing items until plants establish. Adjust if necessary to allow for growth and prevent damage to plants.</p> <p>Cut back any damaged, dead or diseased branches to a healthy node outside of bird breeding season (March to July inclusive).</p> <p>Re-firm any plants that have been disturbed by adverse weather or interference.</p> <p>Undertake pest control with approved pesticides in accordance with manufacturer's instructions in approved locations only.</p> <p>Replace dead / dying plants as necessary.</p> <p>Redistribute mulch to provide groundcover as required.</p>	<p>BS 7370-4: Grounds maintenance Recommendations for maintenance of soft landscape</p> <p>The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works.</p>
7	Planted Amenity Shrubs and Groundcover Areas	<p>Enhance visual amenity.</p> <p>Protect and enhance landscape character.</p> <p>Create visual interest and articulation in the soft landscape and integrate with hard landscape and built form.</p> <p>Create an attractive place to work and socialise.</p> <p>Enhance biodiversity</p>	<p>Ensure all planted areas are kept free of weeds by the use of suitable herbicides; maintain levels of mulch and hand weeding in more prominent areas as required.</p> <p>Fork over beds as necessary to eliminate any hollows or cambers, ensuring the depth of mulch is maintained. Redistribute mulch as necessary to maintain specified levels.</p> <p>Check condition of stakes, ties and guys and replace broken or missing items until plants establish. Adjust if necessary to allow for growth and prevent damage to plants.</p> <p>Cut back any damaged, dead or diseased branches to a healthy node or any growth obstructing adjacent areas of hard standing.</p> <p>Remove any dead flowers/foilage at times appropriate to the species.</p> <p>Refirm any plants that have been disturbed by adverse weather or interference.</p> <p>Undertake pest control with approved pesticides in accordance with manufacturer's instructions in approved locations only. Do not use adjacent to play areas.</p> <p>Prune shrubs annually using normal horticultural standards to form attractive natural habit.</p> <p>Clip ornamental hedges annually to form a neat, compact hedgerow. Maintain at approx height of 0.9 - 1.2m.</p> <p>Dead head bulb planting once the flowering period has finished, trim back dead vegetative growth.</p> <p>Check the condition of the supports for any non-clinging climbing shrubs until they establish. Note that climbing plants have potential to provide refuge for species such as bats and birds.</p> <p>Replace dead / dying plants as necessary.</p> <p>Compost arisings and vegetation waste on site.</p>	<p>BS 4428: Code of practice for general landscape operations</p> <p>BS 7370-4: Grounds maintenance Recommendations for maintenance of soft landscape</p>
8	Meadow and Woodland Edges	<p>Enhance visual amenity.</p> <p>Protect and enhance landscape character.</p> <p>Provide valuable habitat to reptiles and invertebrates.</p> <p>Integrate with nearby woodland character.</p> <p>Provide a meadow edge to areas of woodland and coppice.</p>	<p>Cut all fringe areas adjacent to footpaths / hard surfaces fortnightly between April and November, mow to a height of &gt;40mm.</p> <p>Cut all other areas in late July – early August following the displacement of any annual seeds.</p> <p>Leave cut grass in situ for 3-5 days, before removing all arisings off site to approved tip or compost on site.</p> <p>Carry out further cuts until November and again in early spring to maintain sward at 3 - 4cm. Compost arisings on site.</p> <p>Stop cutting grass in mid-April to allow grass to grow</p>	<p>BS 7370-1: Grounds maintenance Recommendations for establishing and managing grounds maintenance organisations and for design considerations related to maintenance.</p>



	Landscape/ Ecological Element	Maintenance Objectives	Maintenance Requirements	Relevant standards/ guidance
			<p>Cut a neat and consistent finish including edges, without rutting or scalping, ensuring adjacent areas of hard standing free are kept free of arisings.</p> <p>Hand pull or spot herbicide spray invasive weed species.</p> <p>Allow leaf litter and fallen woody material to mulch / compost naturally.</p> <p>Remove litter, rubbish and other debris from grassed areas prior to cutting.</p> <p>Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks.</p> <p>Do not apply organic or inorganic fertilisers</p> <p>Do not apply insecticides, herbicides or fungicides, as these can destroy valuable wildlife. The exception is herbicides for the control of specific problem weeds (i.e. nettle, spear thistle, creeping thistle, curled dock, broadleaved dock and ragwort) – herbicides for these species should be applied by weed wiper or spot treatment with a back-pack sprayer.</p> <p>Do not plough, level or re-seed the grassland areas, except with the same species-rich seed mix as used originally.</p>	
9	Amenity Grass	<p>Enhance visual amenity.</p> <p>Integrate with surrounding landscape/townscape character.</p> <p>Provide easily accessible areas of short amenity grass for the use of workers and visitors.</p>	<p>Maintain public areas to a maximum height of 5cm during March / April and end of September / October or at times when grass exceeds 5cm. Compost arisings on site.</p> <p>Cut a neat and consistent finish including edges, without rutting or scalping, ensuring adjacent areas of hard standing free are kept free of arisings.</p> <p>Remove litter, rubbish and other debris from grassed areas prior to cutting.</p> <p>Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks.</p>	<p>BS 7370-1: Grounds maintenance Recommendations for establishing and managing grounds maintenance organisations and for design considerations related to maintenance.</p>
10	Airfield grassland	<p>Provide safe and functional airside environment</p>	<p>Generally, airside grassland managed at a height of approximately 220 to 300mm to deter nesting, feeding and loafing birds, in line with current Long Grass Policy and management practices.</p> <p>Deviations from Long Grass Policy:</p> <ul style="list-style-type: none"> <li>• ILS glidepath: grass height of up to 100 mm is considered to be acceptable from the glidepath aerial to approximately 5 m beyond the monitors. A grass height of up to 200 mm is considered to be acceptable beyond this point up to the limit of the glidepath critical area.</li> <li>• ILS localiser: a grass height of up to 200 mm may be considered acceptable within the critical area. Other heights may also be suitable; however, the advice from the Air Navigation Service Provider (ANSP) should be sought before implementation of any deviation from these grass heights.</li> <li>• Aerodrome visual aids: aerodrome visual aids should be maintained as short grass for the smallest radius around the object necessary to prevent sightlines being obscured. The use of a 'total kill' herbicide in these areas will create bare ground and bird feeding opportunities and therefore should be avoided. Shorter grass should be maintained at between 50 mm and 100 mm</li> </ul>	<p>Civil Aviation Authority, CAP 772 Wildlife Hazard Management at Aerodromes, Version 2, 2017</p> <p>GAL Civil Engineering Airside Reference Specifications: Section 31 - Agricultural Work, Blast Protection and Delethalisation. Document number: 20000-XX-C-XXX-DSP-000023</p>
11	Constructed wetland ( <del>r</del> Reed beds) and wetland	<p>Provision of a constructed wetland system for the biological treatment of de-icer</p>	<p><a href="#">Remove decomposing vegetation/ fallen leaves annually to ensure the reed beds are fully operational.</a></p> <p><a href="#">Control reeds/wetland species through removal/thinning on an annual basis to avoid overcrowding.</a></p> <p><a href="#">Inspect pond liners and remove litter on a weekly basis.</a></p>	<p><a href="#">BS 4428: Code of practice for general landscape operations</a></p>

	Landscape/ Ecological Element	Maintenance Objectives	Maintenance Requirements	Relevant standards/ guidance
		<del>contaminated surface water</del> waters from the pollution storage lagoons.		
<b>General Maintenance Works</b>				
<del>12</del> 9	Hard Landscape	Maintain all hard paved surfaces in a clean and safe state of use. Keep all hard landscaped surfaces and fencing/walls/barriers clear of litter and graffiti. Repair surfaces or fencing which are worn, damaged or vandalised.	Keeping all hard surfaces, footways and parking areas reasonably weed free at all times using integrated physical / mechanical measures Control moss and algae as necessary to maintain a clear route across all hard paved areas to avoid the risk of slipping in wet conditions. Sweeping hard surfaces at regular intervals, at least 4 times per annum, to avoid a build-up of grit and other debris. This will also assist with discouraging the growth of moss, algae and weeds. Removal of snow and ice as directed by the operator to maintain safe routes. Keep all grass and paved areas free from fallen leaves at all times throughout the autumn/winter period. Leave fallen leaves in planting areas where they will form a natural mulch and humus layer. Only remove if they are likely to smother smaller plants. Remove litter from all hard and soft areas at regular intervals. Empty litter bins weekly. Top up, level and roll to a firm finish any areas of worn or damaged bark or gravel surfacing. Repair timber edgings where damaged. Inspect and make good fencing, access gates and street furniture where damaged or vandalised. Maintain seating, bollards, railings and gates in good working condition, oiling moving parts where necessary. Inspect, record and repair play equipment and play safety surfacing on a weekly basis, or as directed by the site operator. Provide routine monitoring to ensure that operations are undertaken as programmed and to take appropriate action to deal with damage and debris arising from storms, flood events and heavy snowfall.	BS 4428: Code of practice for general landscape operations BS 7370: Grounds maintenance
<del>13</del> 4	Drainage	Keep gullies from blocking up and overflowing Keep ditches from becoming choked with silt and woody vegetation	Gully emptying, jetting and drainage inspections carried out regularly but in particular during Autumn to clear leaf fall away and at times when the site is heavily used. Inspect regularly particularly during the high season clearing blockages and maintaining grease traps. Inspect drainage ditches regularly. Clear accumulated silt in late Summer /Autumn and spread arisings on low side of ditch to ensure run off is not impeded.	None
<del>14</del> 2	Seating and street furniture	Maintain furniture in safe working order	Routine inspections, especially faults due to vandalism, using simple checklist, weekly. Operational inspection, particularly vandalism and minor wear	Inspections to EN1176, Part 7
<del>15</del> 3	Pesticides, Insecticides and Fungicides	Enhance biodiversity. Limit use of pesticides, insecticides and fungicides, unless absolutely essential.	Allow pest control only by spraying with a suitable approved pesticide in cases of severe insect and pest infestation. All spraying must be carried out in accordance with manufacturers written recommendations. All damage that occurs, as a result of spraying, shall be made good at the Contractor's own cost. No insecticides, fungicides or pesticides shall be used except with the prior written approval of the managing authority. In such cases all pesticides shall be selected from the current list of approved chemicals and applied in strict accordance with the Control of Pesticide Regulations 1986 and other related Acts and Regulations.	Control of Pesticide Regulations 1986 Plant Protection Regs (2006) BASIS (the registration, standards and certification scheme for pesticides and fertilisers) BS 4428: Code of practice for general landscape operations BS 7370-4: Grounds maintenance.



	Landscape/ Ecological Element	Maintenance Objectives	Maintenance Requirements	Relevant standards/ guidance
			The approval of the Environment Agency will be required when applying a pesticide to or within 3m of any watercourse. Take appropriate action only if severe infestation occurs. If problem persists over a number of years, consider changing the plant species concerned to one less vulnerable to infestation.	
<b>Ecological Management Objectives</b>				
164	Bat boxes	To provide enhanced bat roosting opportunities.	Annually - A suitably qualified ecologist to check the bat boxes for evidence of roosting bats. Remove any old bird nests. Any damage to be made good.	None
175	Bird boxes	To provide enhanced bird nesting opportunities.	Annually = A suitably qualified ecologist to check the bird boxes for evidence of nesting birds. Any damage to be made good.	None
186	Hibernacula/brash piles	Create refuges in suitable locations to increase habitat suitability for a range of wildlife, in particular, amphibians, reptiles, bats, birds and hedgehogs.	A portion of the cut timber from felling/maintenance activities to be retained in locations on site to creation refuges for wildlife, where this does not constitute a health and safety risk. Log piles can be created using timber in varying lengths. These should be laid / piled within the edge of wetland habitats around ponds and on the periphery of wooded areas.	None

Annex 3

Typical Planting Schedules

The following schedules set out typical plant species, sizes and mixes that could be incorporated in detailed design proposals, subject to approval by the relevant authorities. These schedules should be read in conjunction with Figures 1.2.1 to 1.2.18.

Native Woodland Mix A				
Latin Name	Common Name	Form	Height in mm	% Mix
<i>Acer campestre</i>	Field maple	Transplant	600-800	15
<i>Betula pendula</i>	Silver Birch	Transplant	600-800	5
<i>Corylus avellana</i>	Hazel	Transplant	450-600	15
<i>Crataegus monogyna</i>	Hawthorn	Transplant	450-600	10
<i>Ilex aquifolium</i>	Holly	Transplant	450-600	5
<i>Pinus sylvestris</i>	Scots Pine	Transplant	600-800	5
<i>Populus tremula</i>	Aspen	Transplant	600-800	5
<i>Prunus avium</i>	Cherry	Transplant	600-800	10
<i>Quercus robur</i>	English Oak	Transplant	600-800	15
<i>Salix caprea</i>	Goat willow	Transplant	450-600	5
<i>Tilia cordata</i>	Small Leaved Lime	Transplant	600-800	10

Native Woodland Mix B				
Latin Name	Common Name	Form	Height in mm	% Mix
<i>Betula pendula</i>	Silver Birch	Transplant	450-600	20
<i>Cornus sanguinea</i>	Dogwood	Transplant	450-600	15
<i>Corylus avellana</i>	Hazel	Transplant	450-600	15
<i>Crataegus monogyna</i>	Hawthorn	Transplant	450-600	20
<i>Euonymus europaeus</i>	Spindle	Transplant	450-600	10
<i>Ilex aquifolium</i>	Holly	Transplant	450-600	10
<i>Salix caprea</i>	Goat willow	Transplant	450-600	10

Native Scrub Mix				
Latin Name	Common Name	Form	Height in mm	% Mix
<i>Cornus sanguinea</i>	Dogwood	Transplant	450-600	10



<i>Corylus avellana</i>	Hazel	Transplant	450-600	15
<i>Crataegus monogyna</i>	Hawthorn	Transplant	450-600	10
<i>Euonymus europeaus</i>	Spindle	Transplant	450-600	10
<i>Ilex aquifolium</i>	Holly	Transplant	450-600	10
<i>Prunus spinosa</i>	Blackthorn	Transplant	450-600	10
<i>Rosa canina</i>	Dog Rose	Transplant	450-600	10
<i>Salix caprea</i>	Goat willow	Transplant	450-600	10
<i>Ulex europaeus</i>	Gorse	Transplant	450-600	5
<i>Viburnum opulus</i>	Guelder Rose	Transplant	450-600	10

Wetland Tree and Scrub Mix				
Latin Name	Common Name	Form	Height in mm	% Mix
<i>Alnus glutinosa</i>	Alder	Transplant	600-800	20
<i>Betula pubescens</i>	Downy Birch	Transplant	600-800	10
<i>Salix caprea</i>	Goat willow	Transplant	450-600	20
<i>Salix fragilis</i>	Crack Willow	Transplant	600-800	10
<i>Salix viminalis</i>	Common Osier	Transplant	450-600	20
<i>Viburnum opulus</i>	Guelder Rose	Transplant	450-600	20

Groundcover Mix				
Latin Name	Common Name	Height in mm/pot size cm	% Mix	
<del><i>Euphorbia amygdaloides robbaie</i></del>	<del>Wood Spurge</del>	<del>9cm pot</del>	<del>20</del>	
<i>Geranium macrorrhizum</i>	Cranesbill	9cm pot	20	
<i>Geranium nodosum</i>	Cranesbill	9cm pot	20	
<i>Hedera helix</i>	Ivy	450-600	20	
<del><i>Vinca major</i></del>	<del>Periwinkle</del>	<del>300-450</del>	<del>20</del>	

Marginal Planting Mix				
Latin Name	Common Name	Form	% Mix	
<i>Caltha palustris</i>	Marsh Marigold	9cm pot	15	
<i>Carex spissa</i>	Sedge	9cm pot	10	
<i>Filipendula ulmaria</i>	Meadowsweet	9cm pot	20	
<i>Iris pseudacorus</i>	Flag Iris	9cm pot	15	
<i>Juncus effusus</i>	Corkscrew Rush	9cm pot	15	
<i>Lythrum salicaria</i>	Purple Loosestrife	9cm pot	15	

<i>Phalaris arundinacea</i>	Reed Canary-grass	9cm pot	10
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#### Reed Bed

Latin Name	Common Name	Form
<i>Phragmites australis</i>	Common Reed	9cm pot

#### Hedgerow Mix

Latin Name	Common Name	Form	Height in mm	% Mix
<i>Acer campestre</i>	Field maple	Transplant	600-800	10
<i>Corylus avellana</i>	Hazel	Transplant	450-600	10
<i>Crataegus monogyna</i>	Hawthorn	Transplant	450-600	30
<i>Euonymus europaeus</i>	Spindle	Transplant	450-600	10
<i>Ilex aquifolium</i>	Holly	Transplant	450-600	5
<i>Ligustrum vulgare</i>	Privet	Transplant	450-600	10
<i>Prunus spinosa</i>	Blackthorn	Transplant	450-600	10
<i>Quercus robur</i>	English oak	Transplant	600-800	5
<i>Viburnum opulus</i>	Guelder Rose	Transplant	450-600	10

#### Specimen Trees

Latin Name	Common Name	Form	Height in m	Stem Girth
<i>Ginkgo biloba</i>	Maidenhair Tree	Light standard	3-4m	8-10cm
<i>Liquidambar styraciflua</i>	Sweet Gum	Light standard	3-4m	8-10cm
<i>Pinus sylvestris</i>	Scots Pine	Light standard	3-4m	8-10cm
<i>Prunus avium 'Plena'</i>	Cherry	Light standard	3-4m	8-10cm
<i>Pyrus calleryana 'Chanticleer'</i>	Pear	Light standard	3-4m	8-10cm
<i>Quercus robur</i>	Oak	Light standard	3-4m	8-10cm

#### Ornamental Shrubs

Latin Name	Common Name	Form	Height in mm
<i>Amelanchier lamarckii</i>	Snowy Mespilus	5L pot	600-800
<i>Carpinus betulus (hedge)</i>	Hornbeam	Transplant	600-800
<i>Cistus corbariensis</i>	Rock Rose	3L pot	250-300
<i>Cornus kousa chinensis</i>	Flowering Dogwood	5L pot	600-800



<i>Cornus mas</i>	Cornelian Cherry	5L pot	600-800
<i>Euonymus europaeus</i> 'Red Cascade'	Spindle	3L pot	450-600
<i>Osmanthus delavayi</i>	Sweet Olive	3L pot	450-600
<i>Rosa pimpinellifolia</i>	Dunwich Rose	3L pot	450-600
<del><i>Rosa rugosa</i></del>	<del>Rugosa Rose</del>	<del>3L pot</del>	<del>450-600</del>
<i>Sarcococca humilis</i>	Winter Box	3L pot	200-300
<i>Symphoricarpos x chenaultii</i> 'Hancock'	Snowberry	3L pot	300-400
<i>Taxus baccata</i> (hedge)	Yew	Rootballed	450-600
<i>Viburnum tinus</i>	Larustinus	3L pot	450-600
<i>Vinca minor</i>	Periwinkle	3L pot	200-300


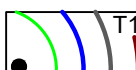
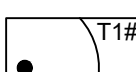
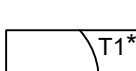


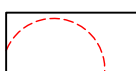
<b>Grassland and Meadow</b>	
<b>Turfed Areas</b>	
Medallion turf by Rowlawn	
<b>Meadow and Amenity Grass Areas</b> (anti bird strike grass seed mixes where appropriate)	
General Amenity Grassland Mix	A22 (Low Maintenance Mix) British Seed Houses
General Meadow Mix	NVC MG6 Species Rich Wildflower Mix
Wet Meadow and Margins	WFG9 British Seed Houses

Annex 4

Preliminary Surface Access Tree Survey and Tree Removal and Protection Plans

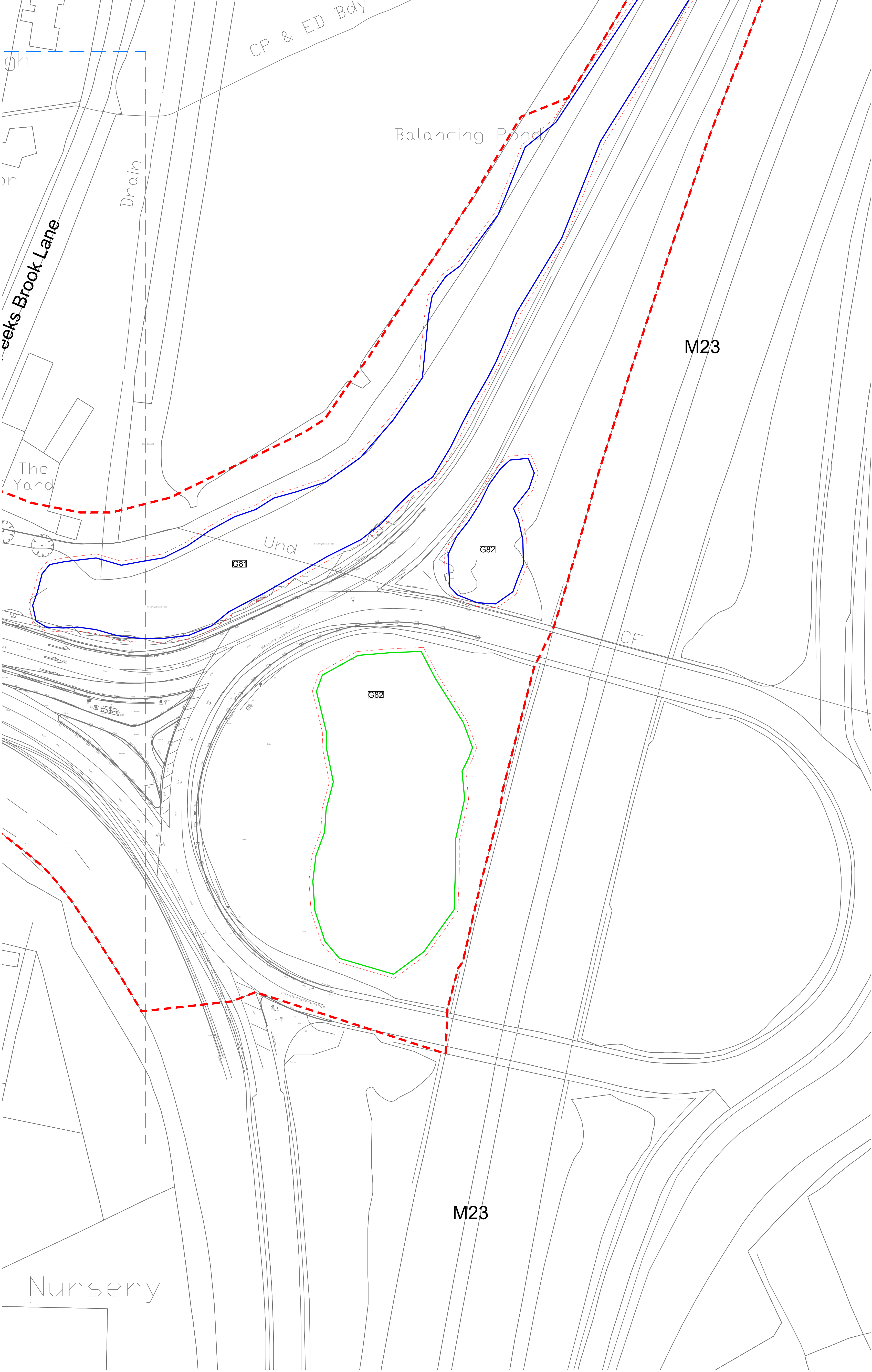
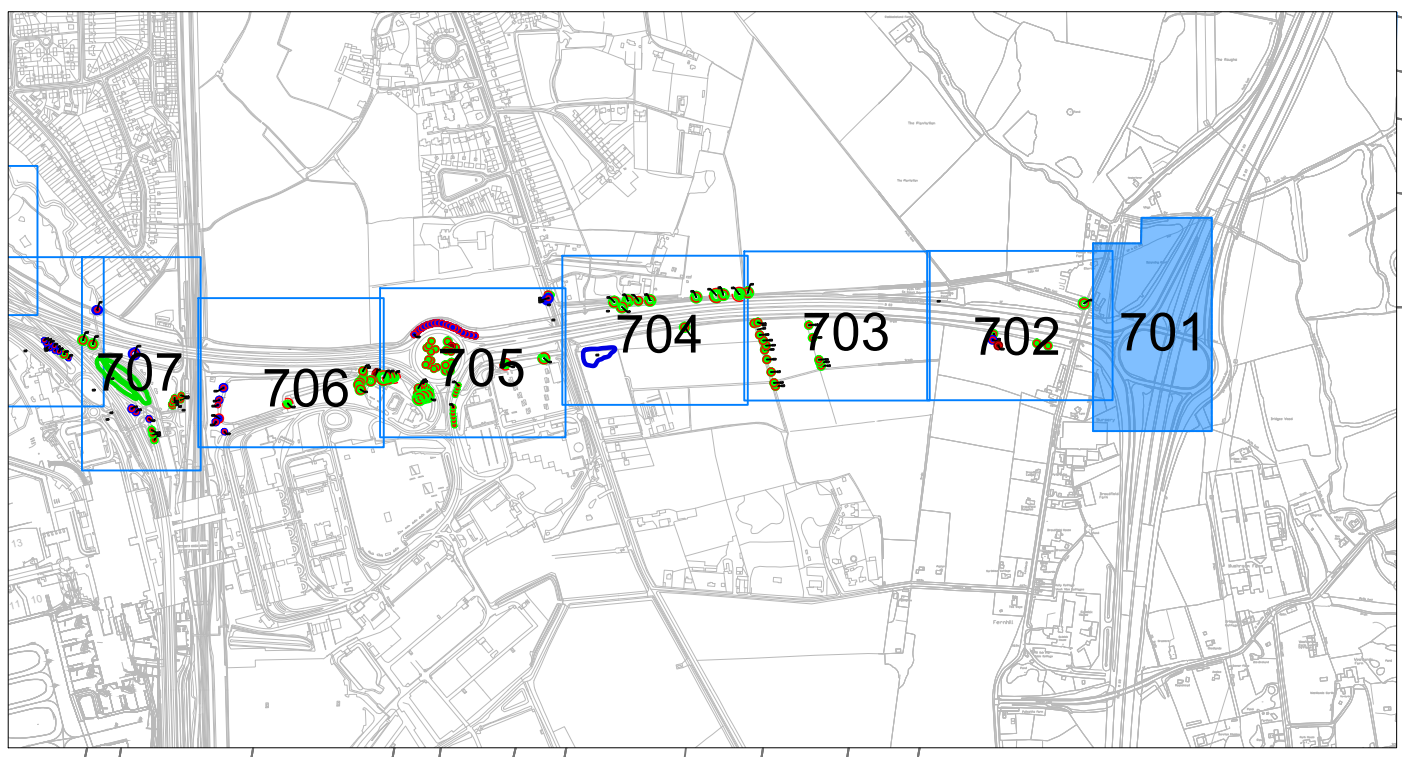


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**DOCUMENT**

**Environmental Statement**

**DRAWING TITLE**

**Surface Access Landscape Proposals  
Appendix 8.8.1  
Sheet 1 of 15**

**DATE**

**July 2023**

**ORIENTATION**

**N**



**DRAWING NO.**

**701**

**REVISION**

**For ES Issue**

**DRAWN BY**

**SH**

**PM / CHECKED BY**

**DC**

**SCALE @ A1**


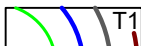
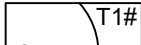
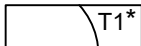

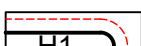



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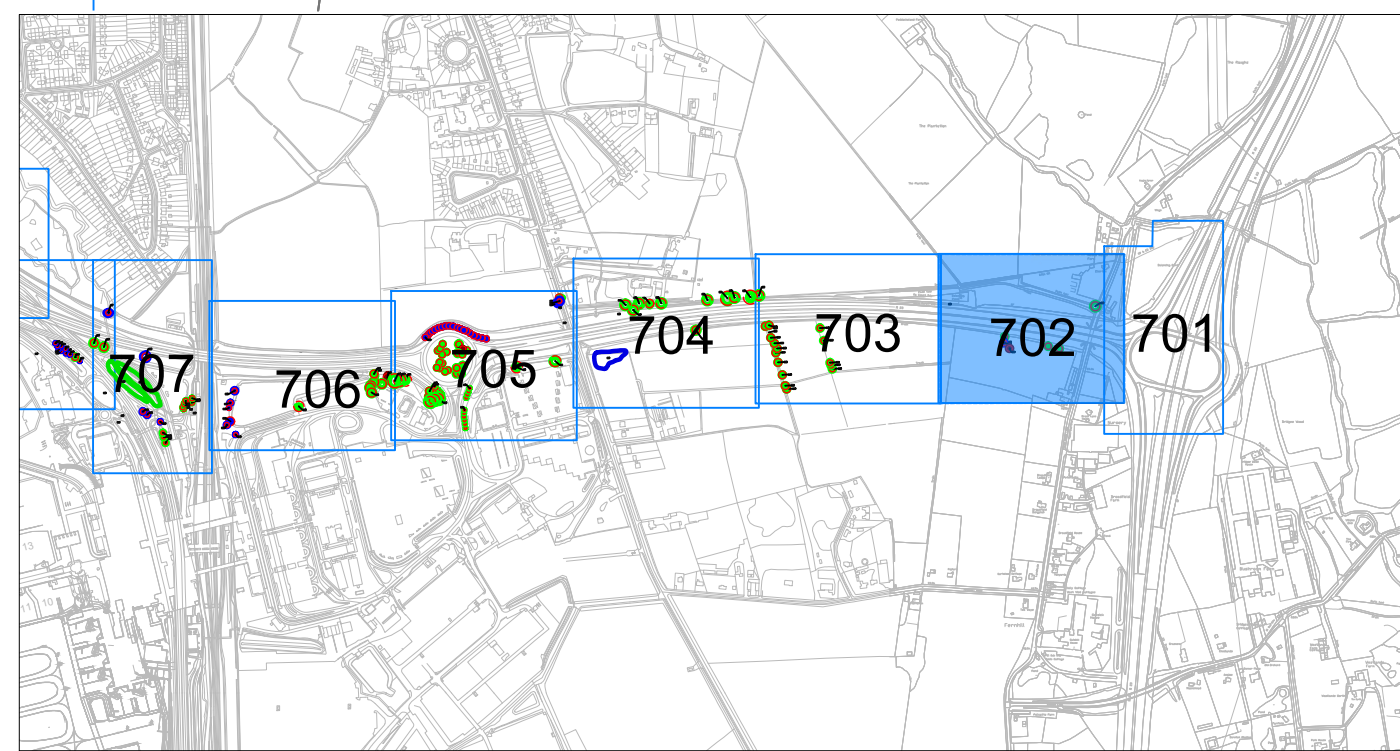
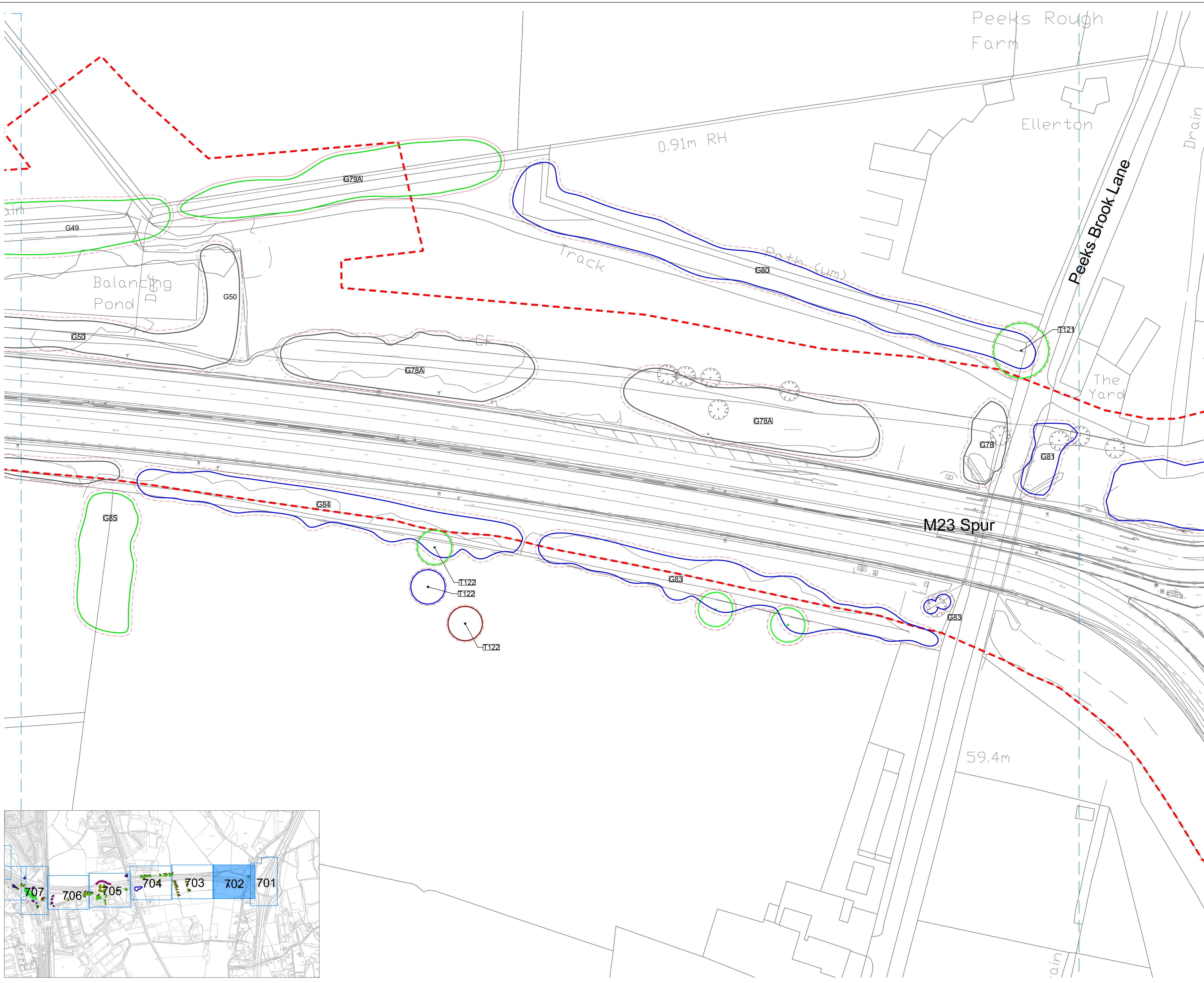
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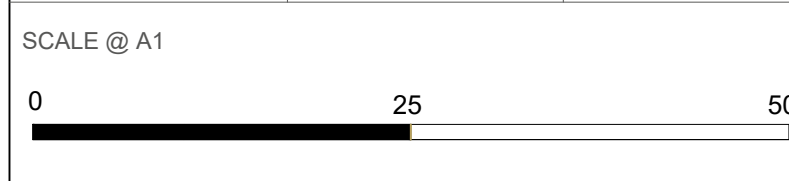


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Appendix 8.8.1  
Sheet 2 of 15**

DATE  
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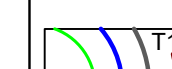

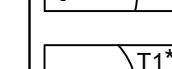

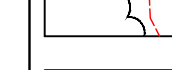
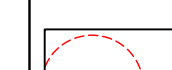
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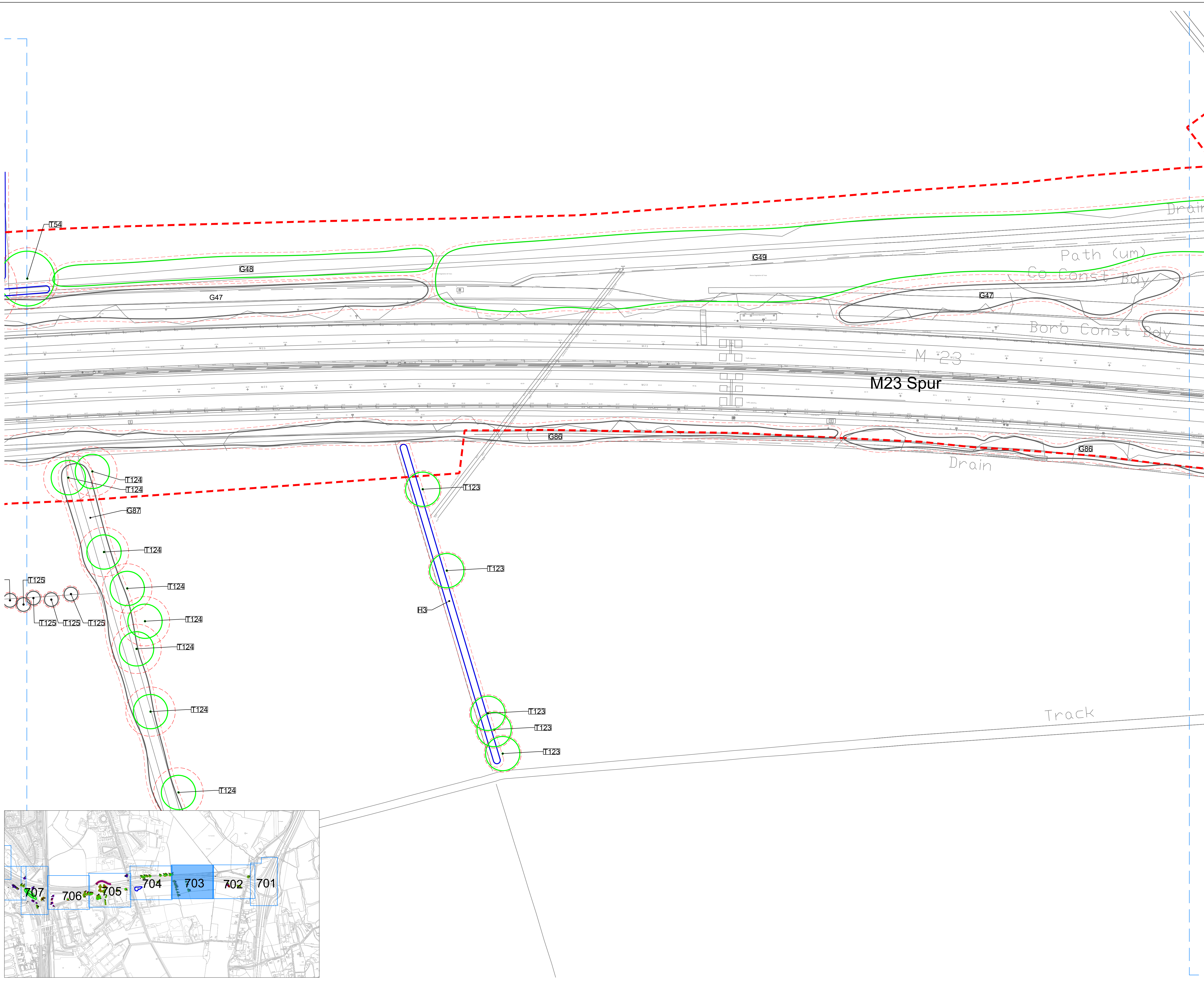
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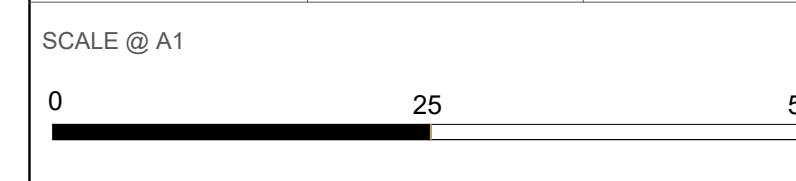


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Appendix 8.8.1  
Sheet 3 of 15**

DATE  
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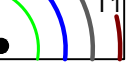
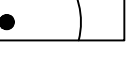
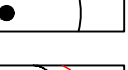

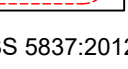




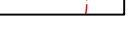
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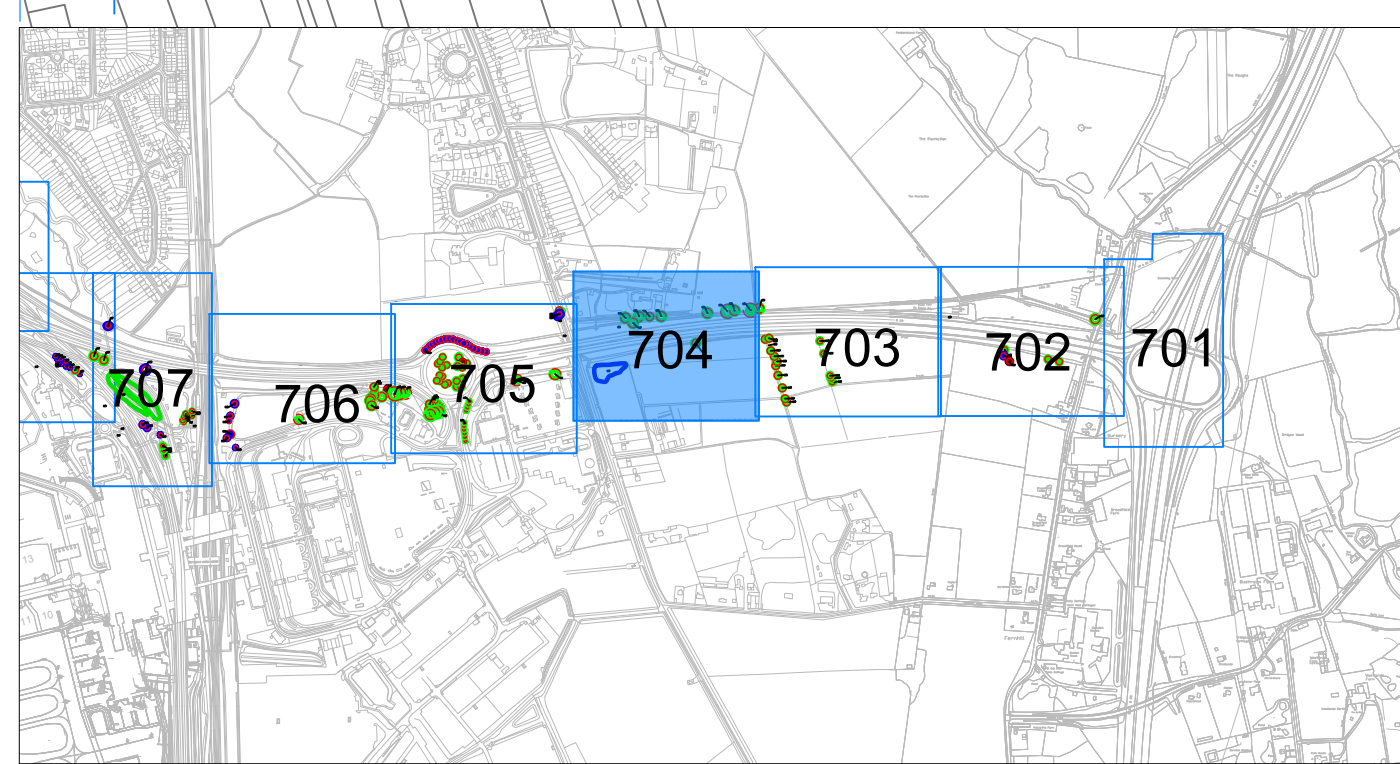
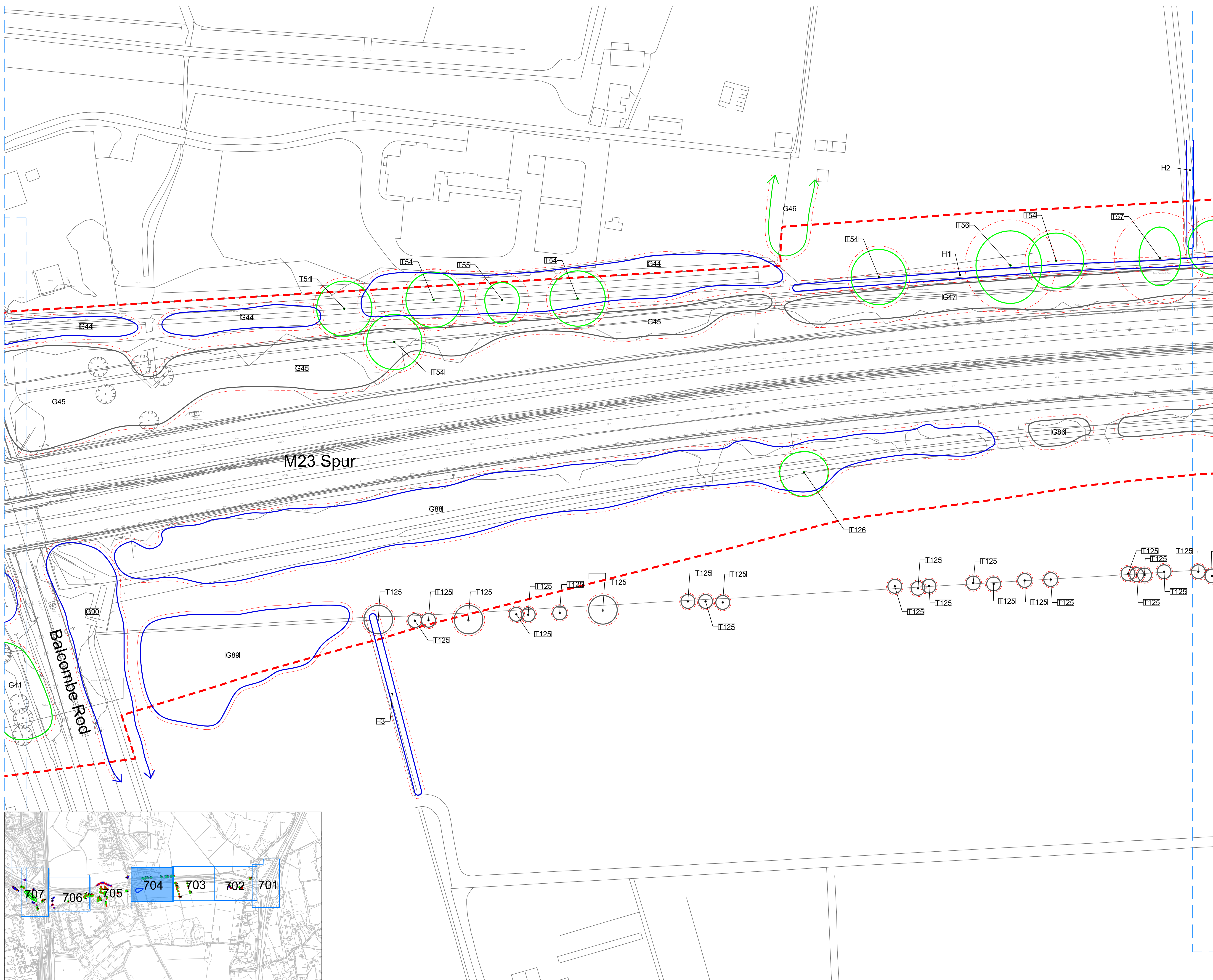
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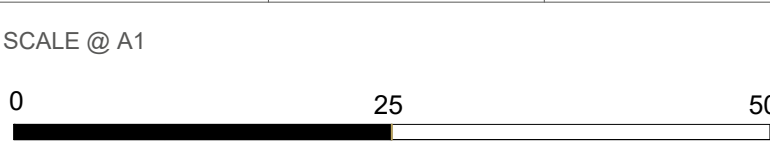
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**Environmental Statement**

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 Appendix 8.8.1  
 Sheet 2 of 15

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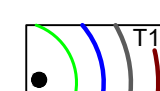
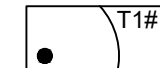


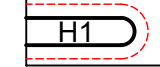

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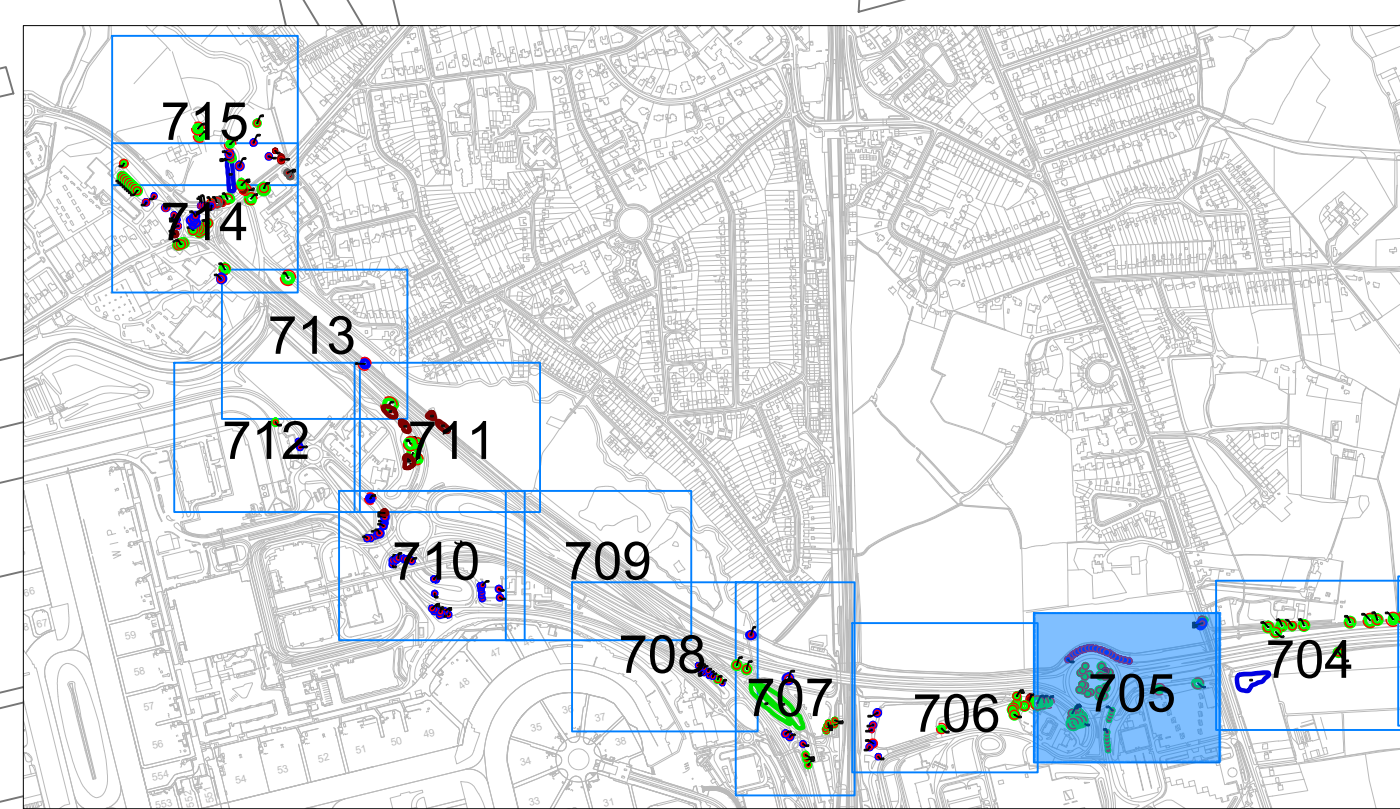
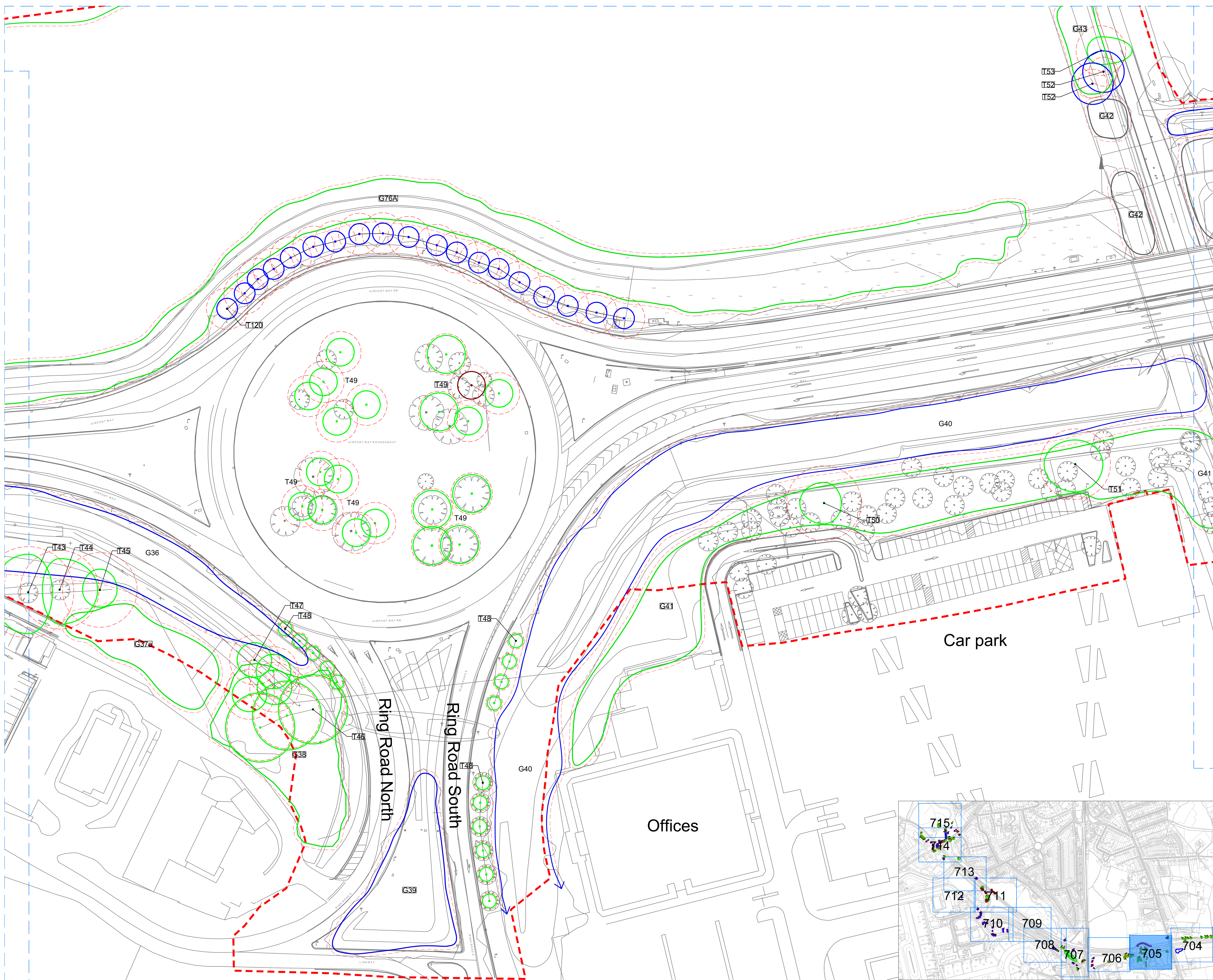
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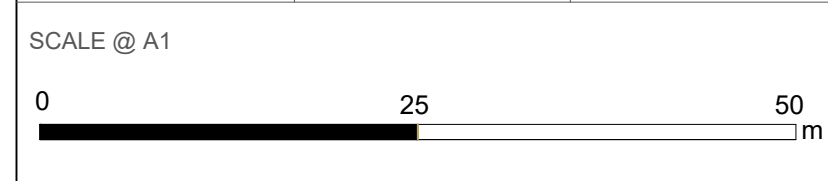


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**Tree Survey Appendix 8.8.1 Sheet 5 of 15**

DATE  
**July 2023**

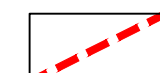
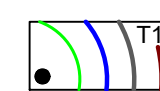



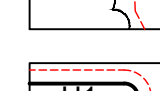
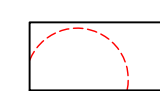
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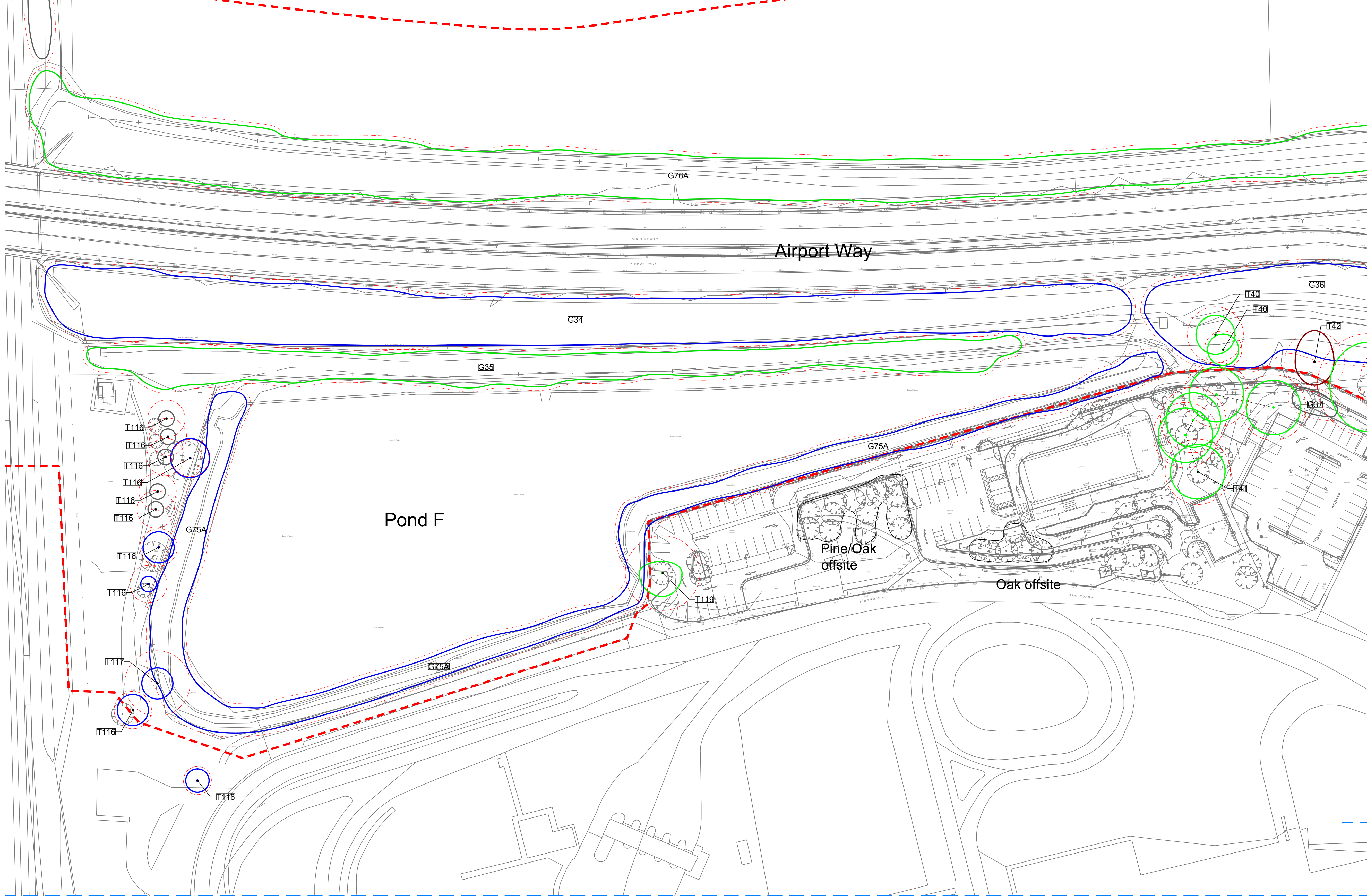
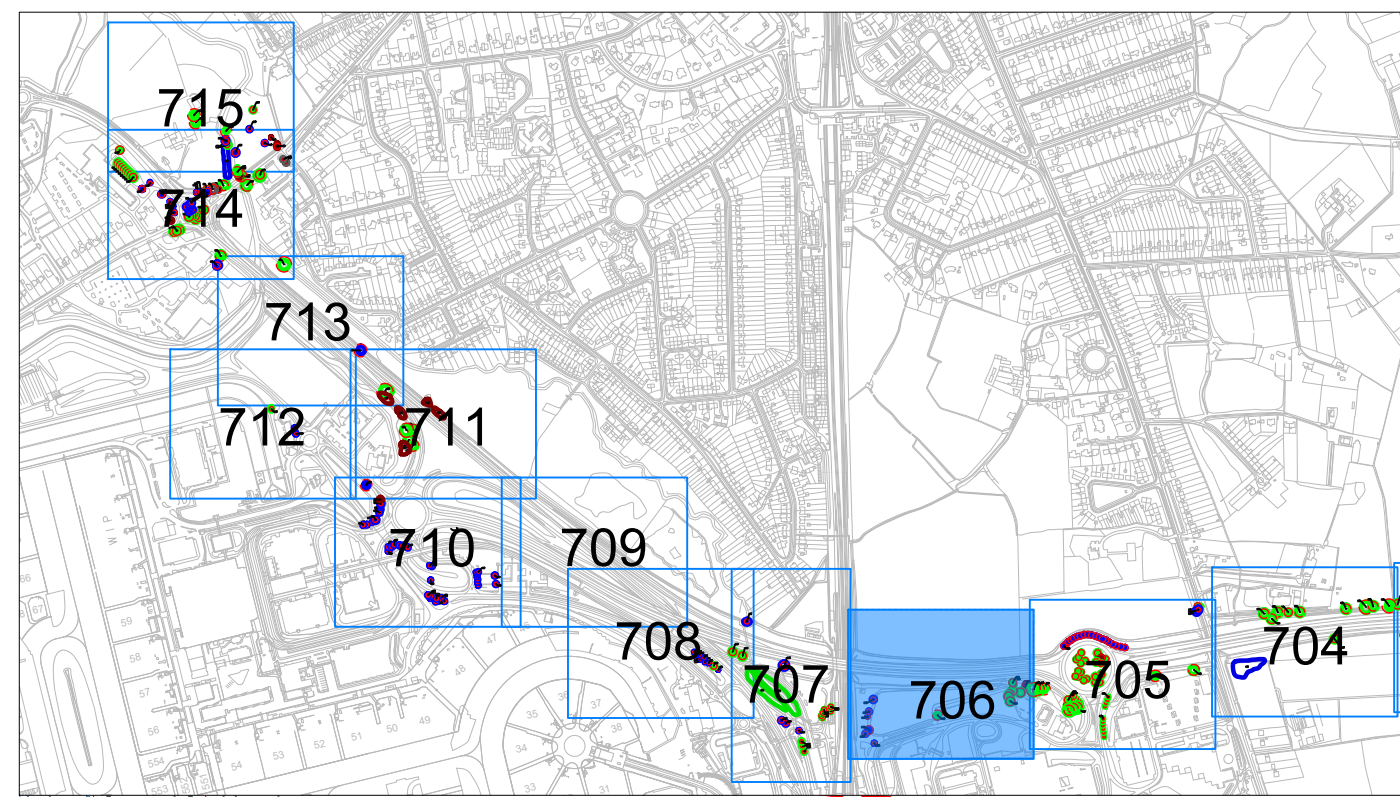
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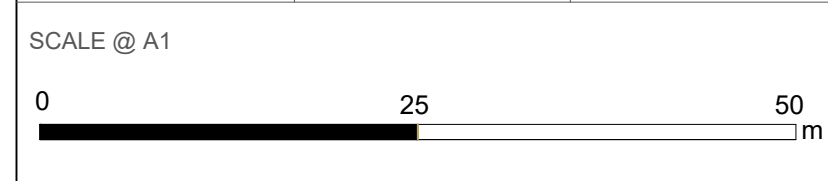


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Appendix 8.8.1  
Sheet 6 of 15**

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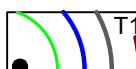
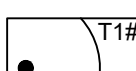
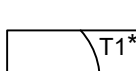

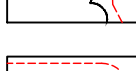
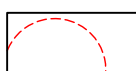
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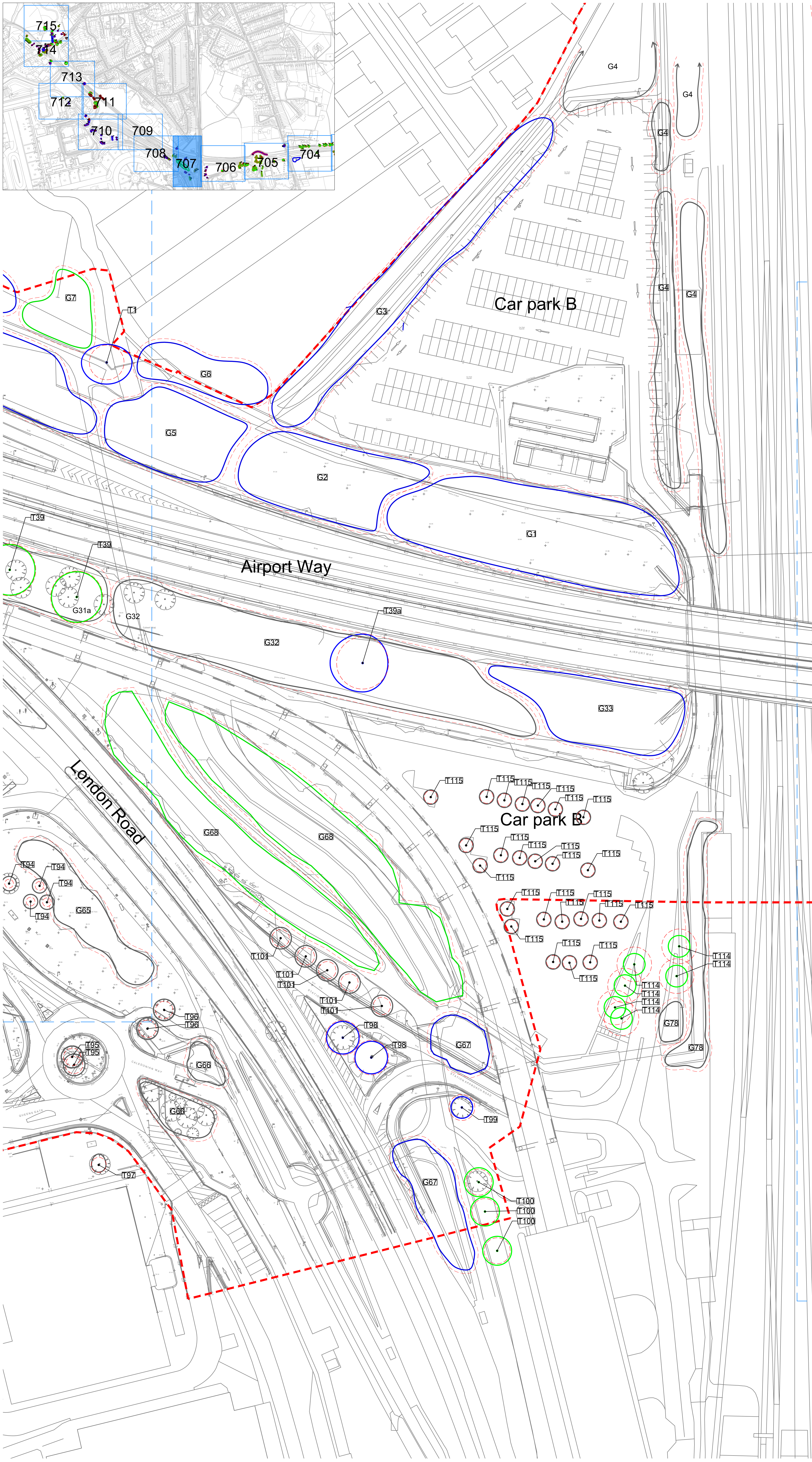
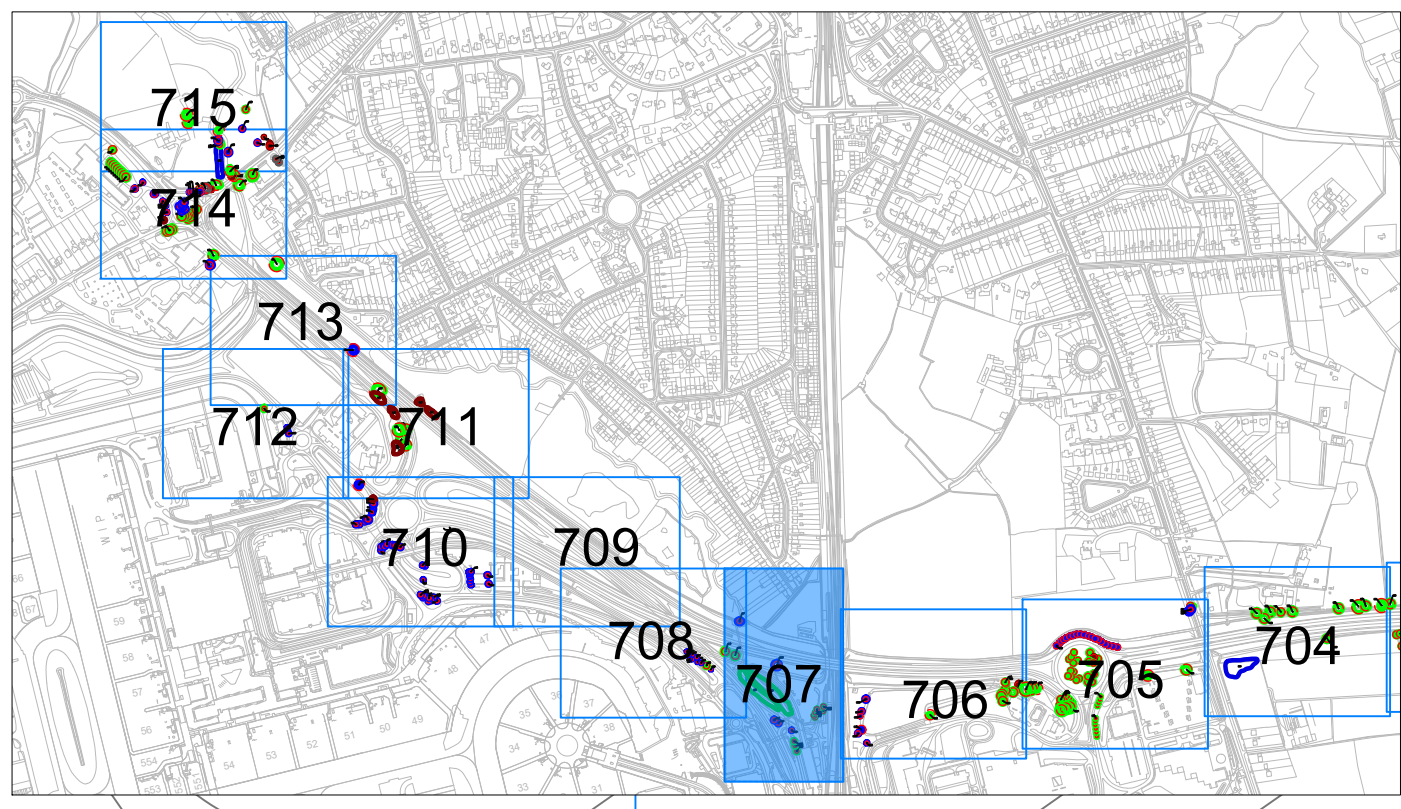
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- Refer to RPS Tree Survey Report & Schedule for further details.
  - Survey based on a visual inspection from the ground and is not intended as a full arboricultural inspection.
  - Plan produced in accordance with recommendations set out in BS 5837:2012 - '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.

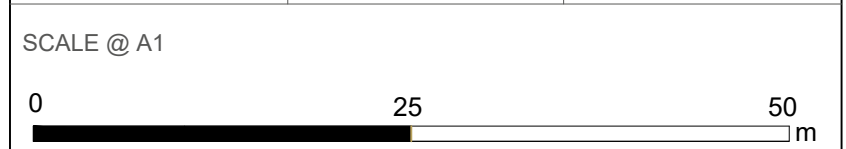


DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Tree Survey  
Appendix 8.8.1  
Sheet 7 of 15**

DATE  
**July 2023**

ORIENTATION 	DRAWING NO. <b>707</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>SH</b>	PM / CHECKED BY <b>PE</b>


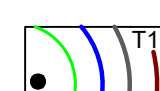
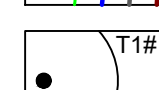
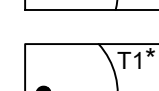

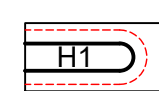
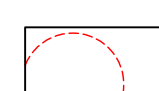


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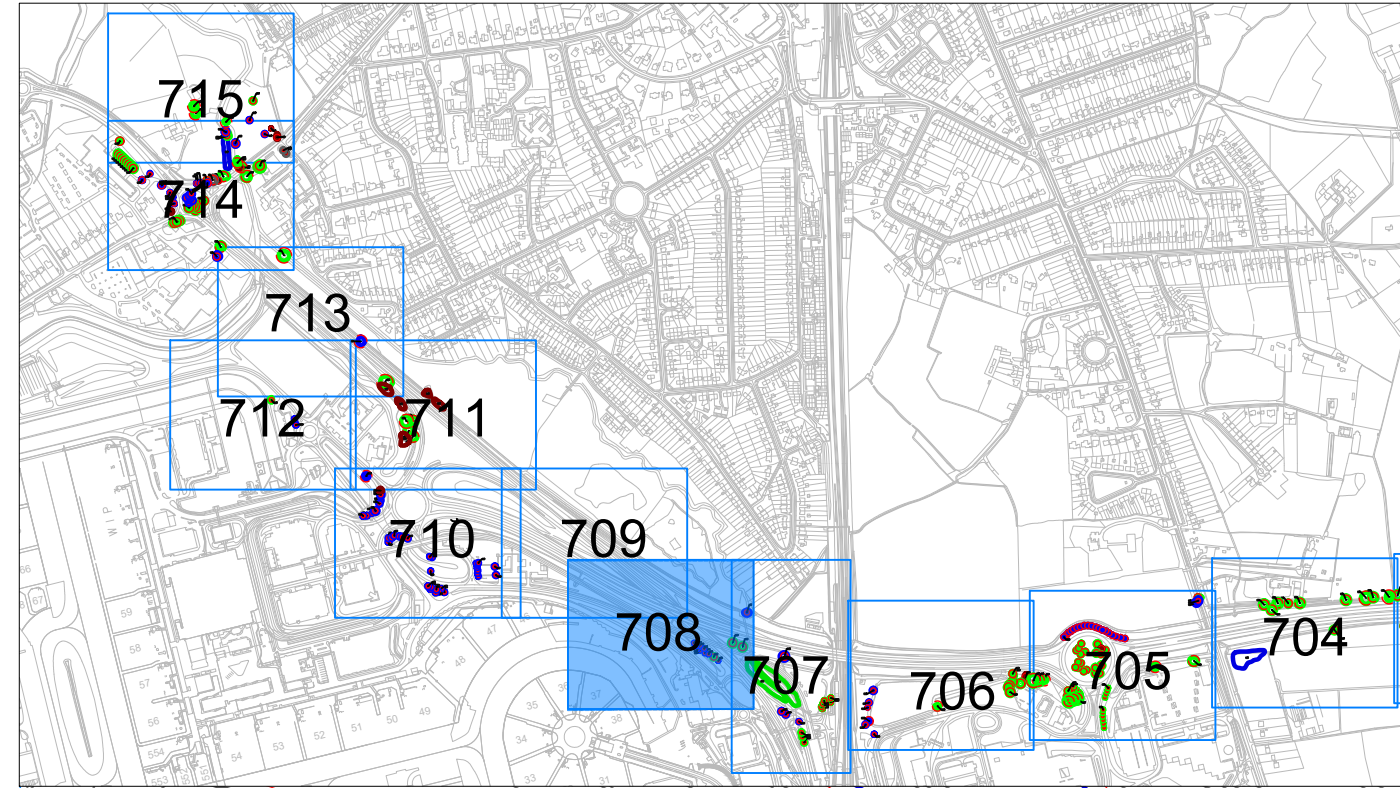
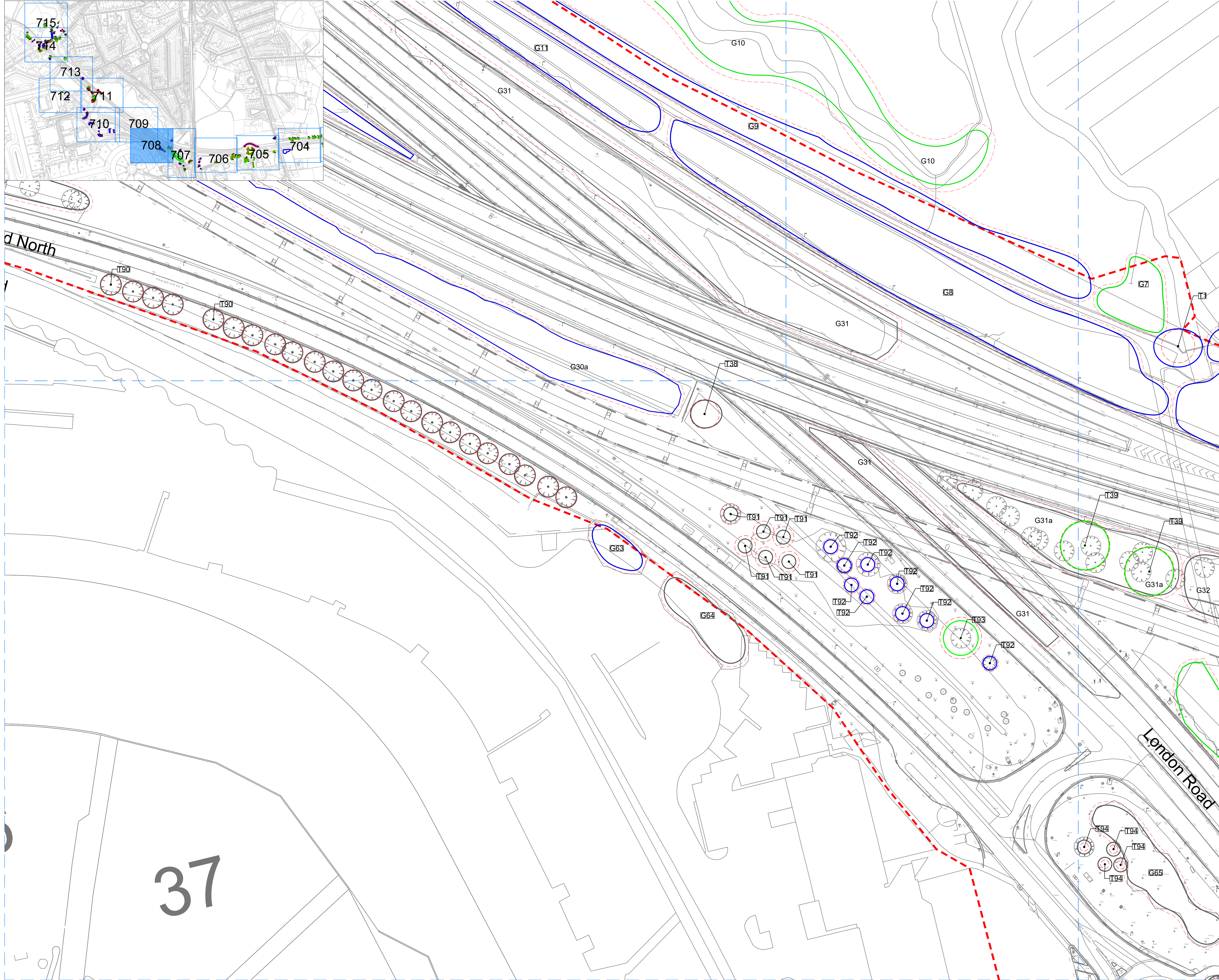


**Legend**


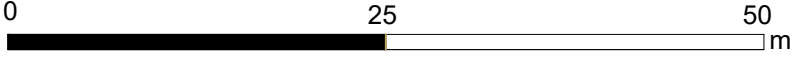
-  Survey boundary.
  -  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
  -  Tree (location estimated) with numbered reference. Canopy spread and BS5837:2012 tree quality category.
  -  Tree off-site with numbered reference. Canopy spread and BS5837:2012 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

**NOTES:**

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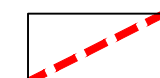
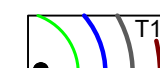

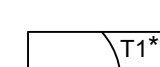

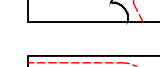
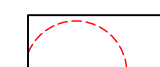
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DOCUMENT		
<b>Environmental Statement</b>		
DRAWING TITLE		
<b>Tree Survey Appendix 8.8.1 Sheet 8 of 15</b>		
DATE		
<b>July 2023</b>		
ORIENTATION	DRAWING NO.	REVISION
N 	<b>708</b>	<b>For ES Issue</b>
	DRAWN BY	PM / CHECKED BY
	<b>SH</b>	<b>PE</b>
SCALE @ A1		
		

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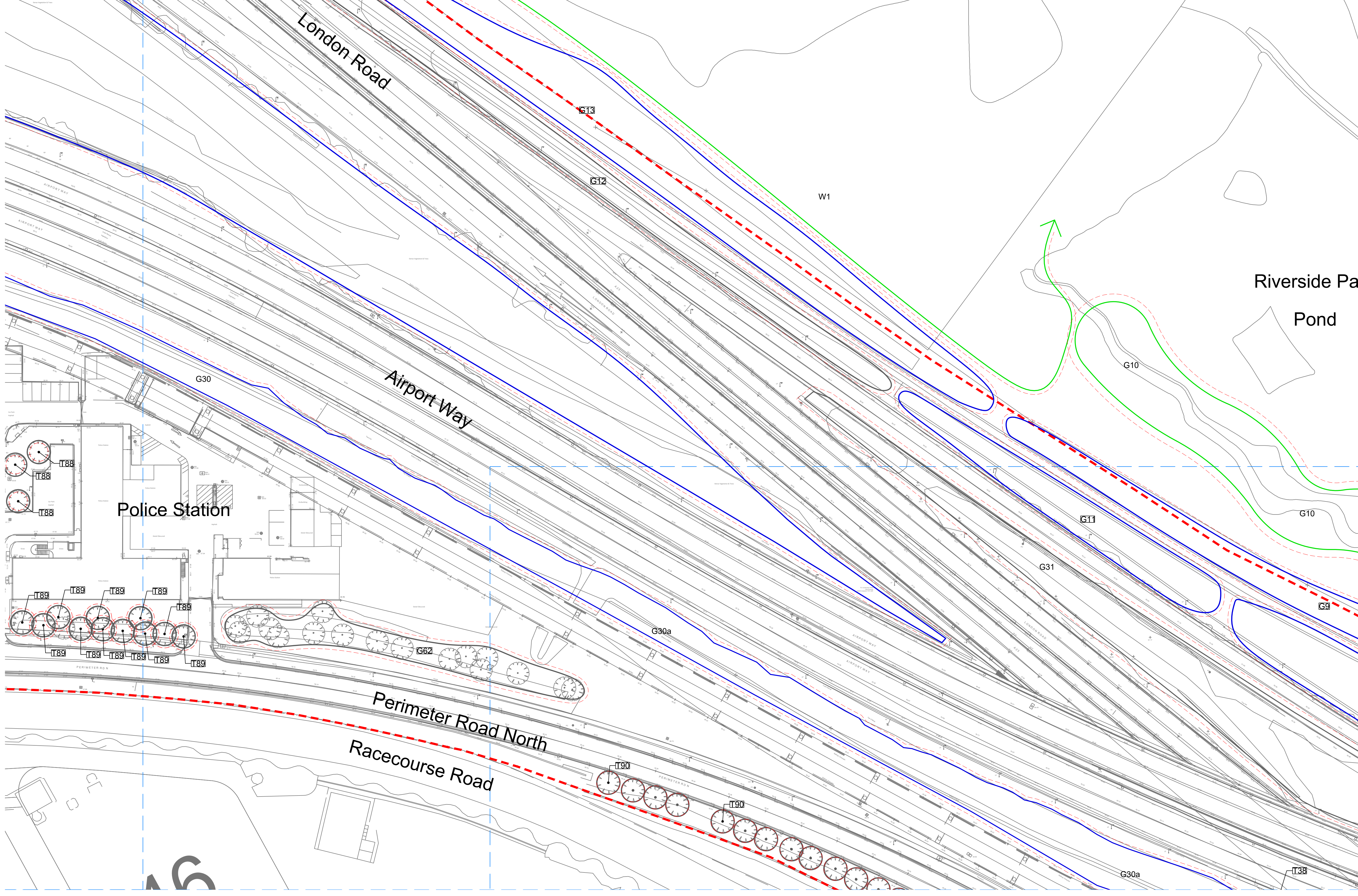
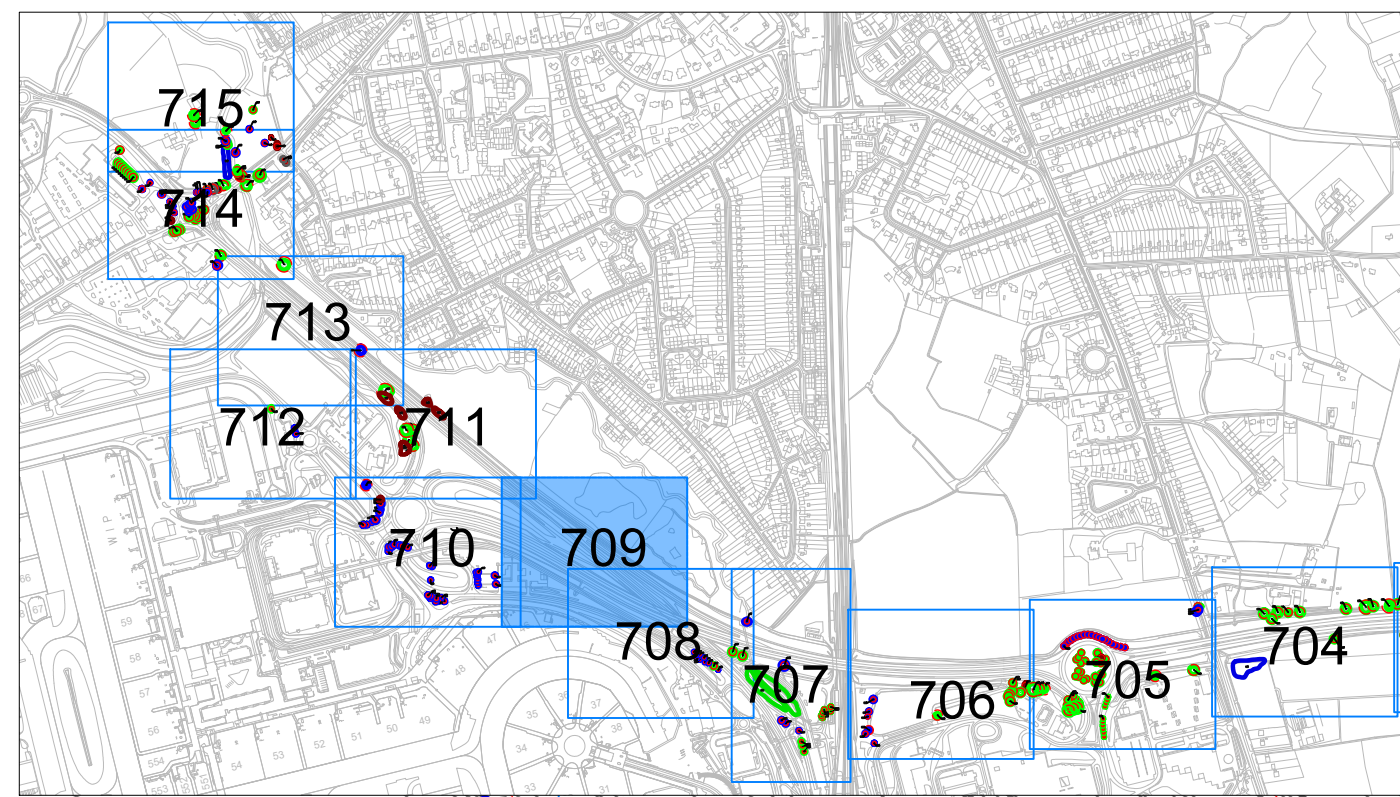


**Legend**

-  Survey boundary.
  -  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.
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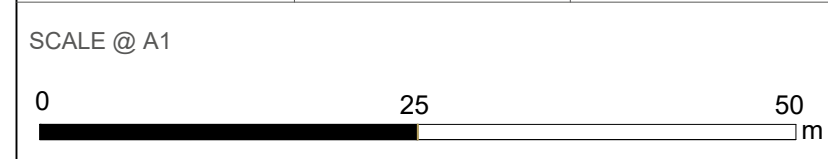
DOCUMENT

**Environmental Statement**

DRAWING TITLE  
**Tree Survey Appendix 8.8.1**  
 Sheet 9 of 15

DATE  
**July 2023**


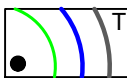



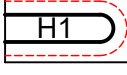

ORIENTATION N 	DRAWING NO. <b>709</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>SH</b>	PM / CHECKED BY <b>PE</b>



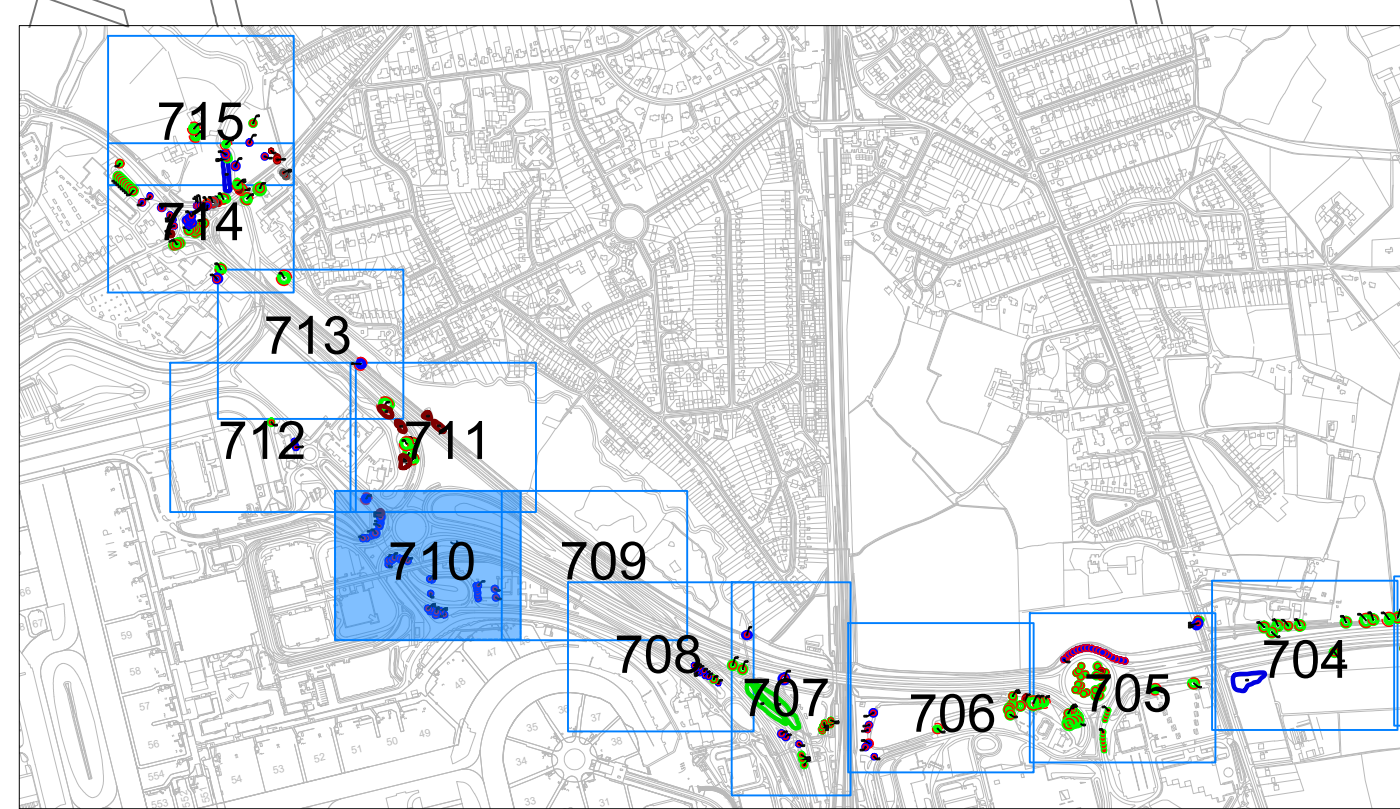
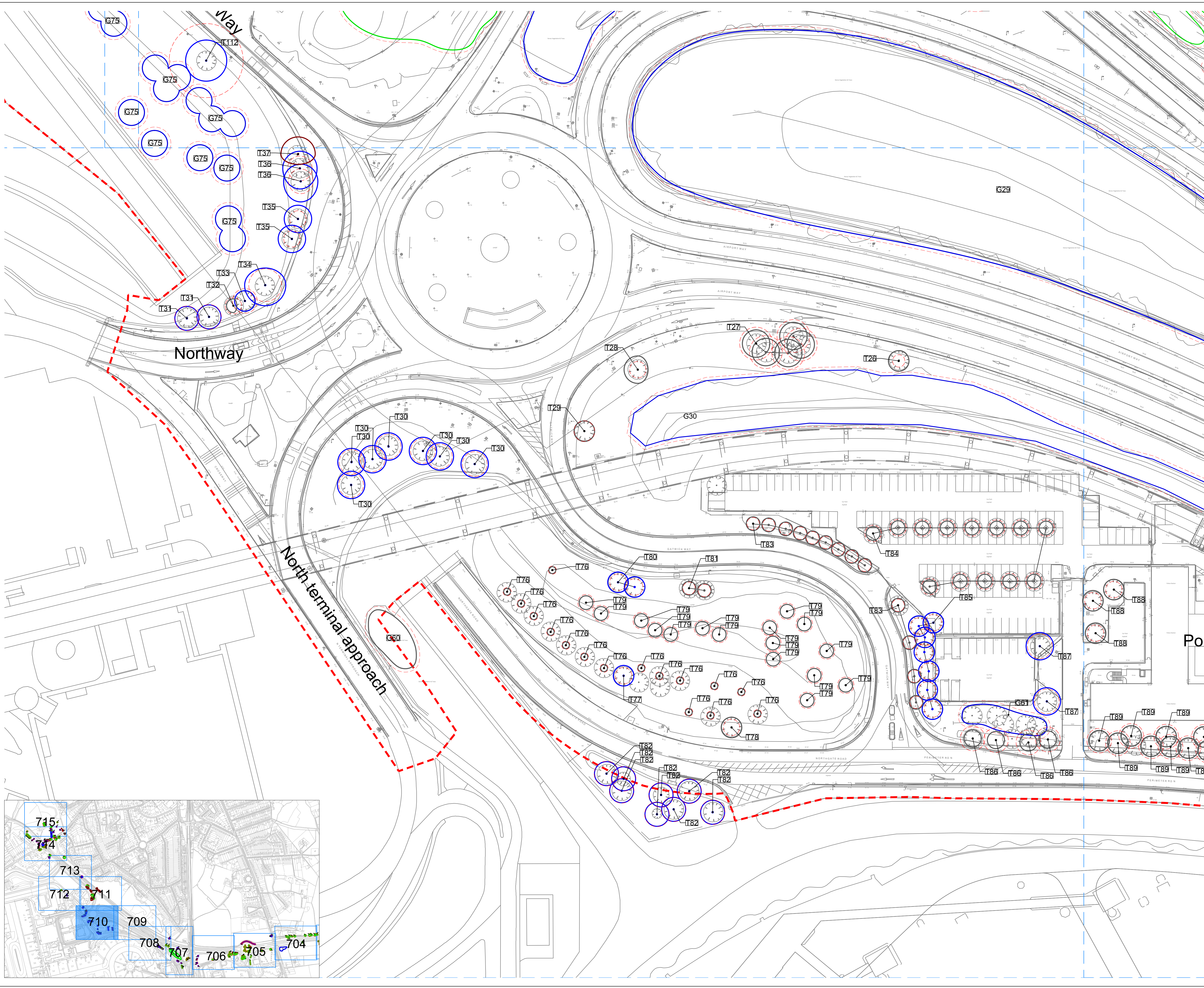
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**Legend**

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DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Tree Survey Appendix 8.8.1 Sheet 10 of 15**

DATE  
**July 2023**

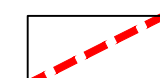
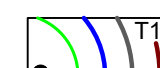
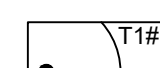
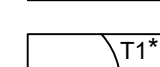






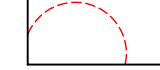
ORIENTATION 	DRAWING NO. <b>710</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>SH</b>	PM / CHECKED BY <b>PE</b>



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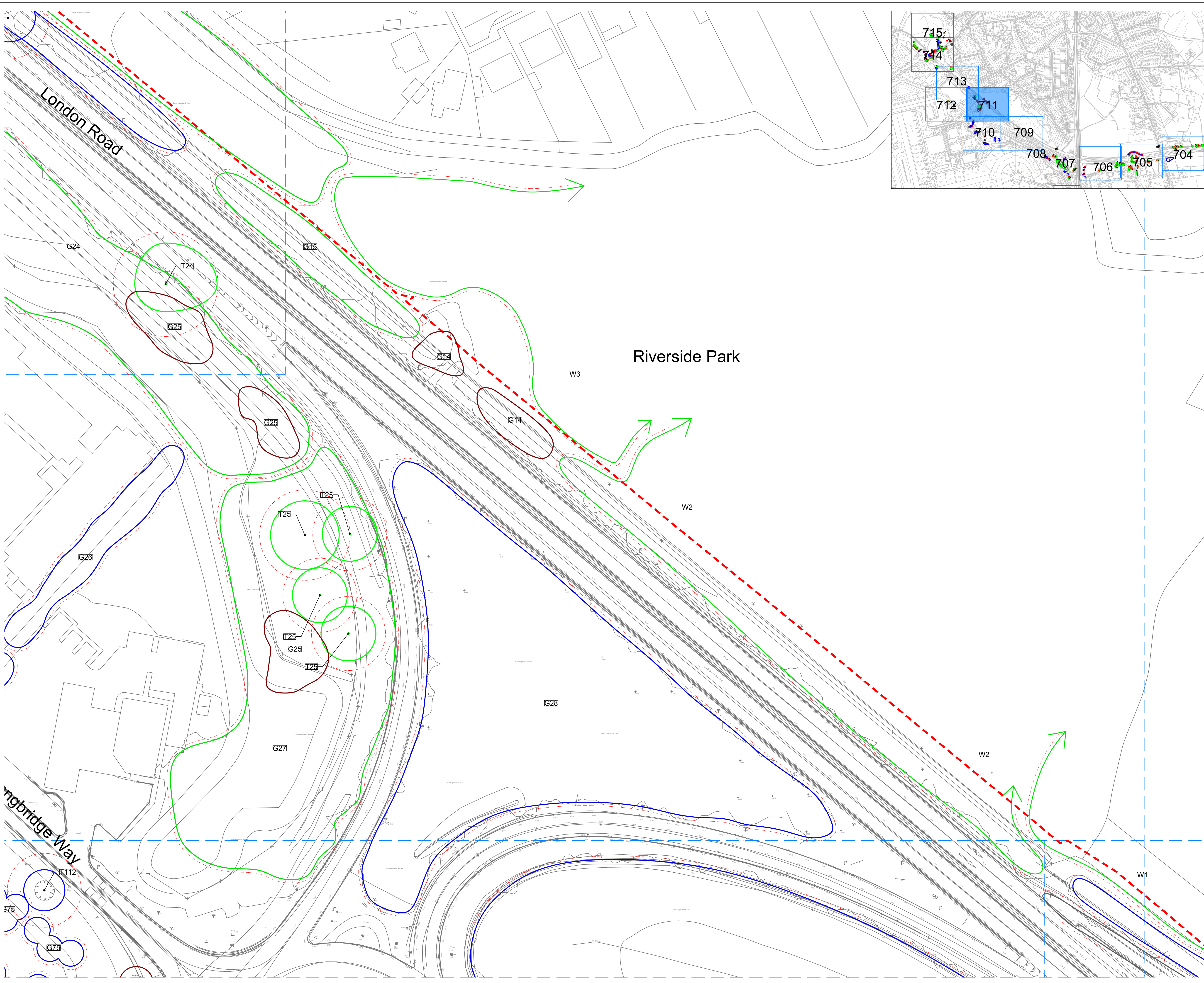
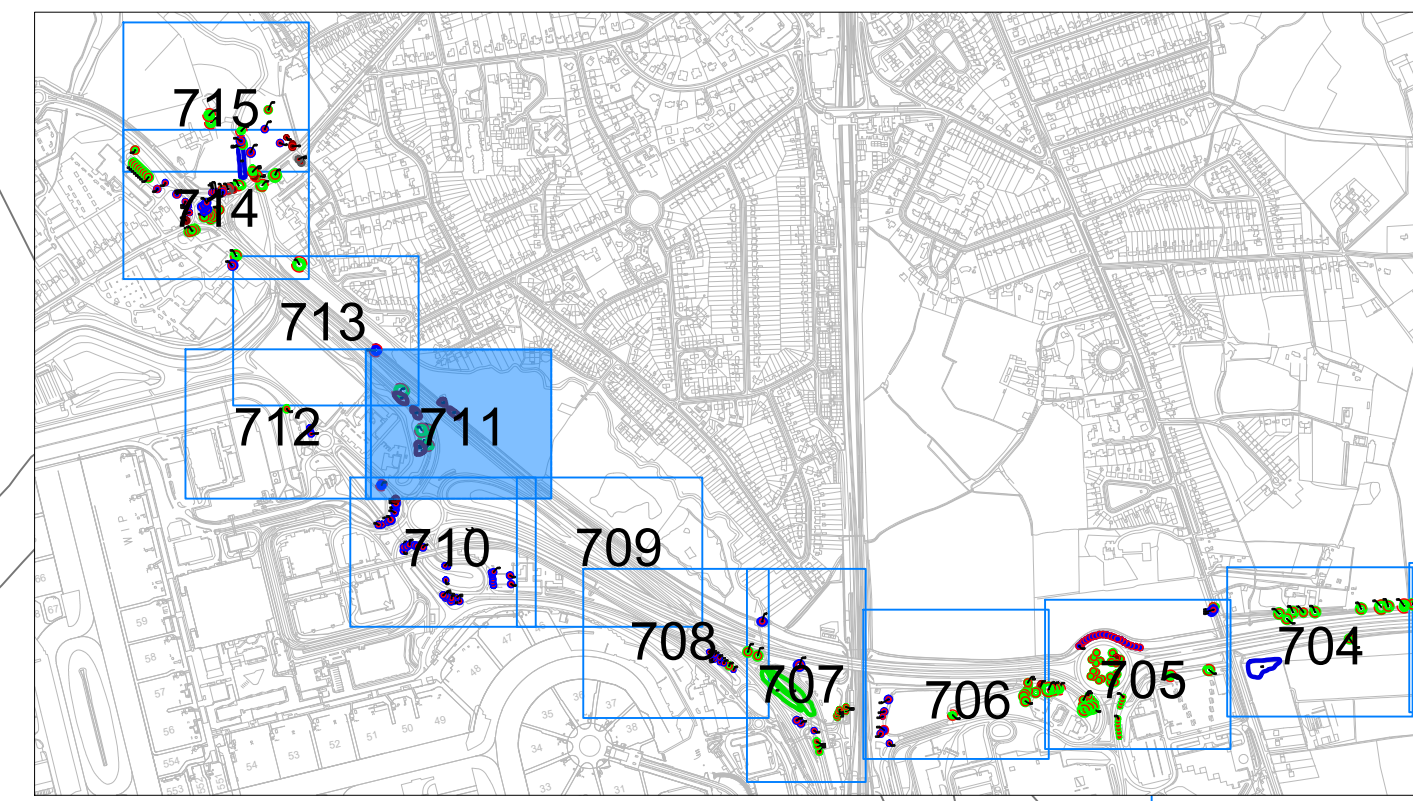


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  -  Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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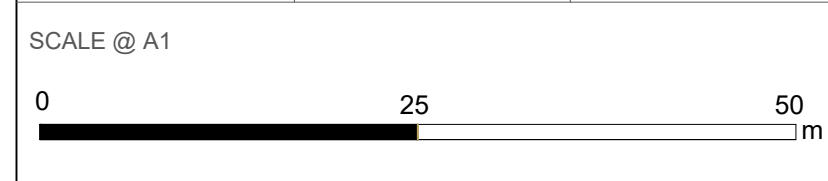


DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Tree Survey  
Appendix 8.8.1  
Sheet 11 of 15**

DATE  
**July 2023**

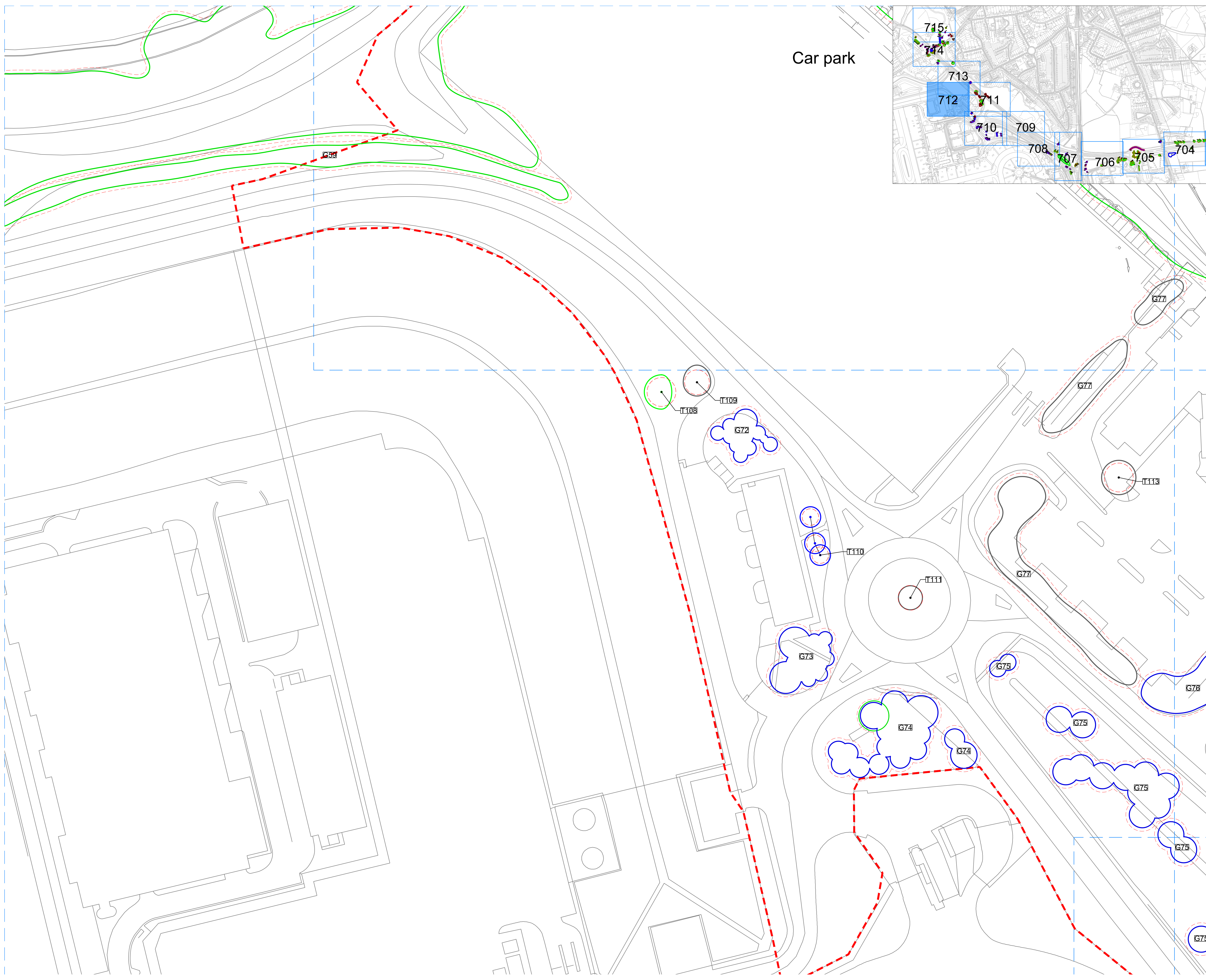
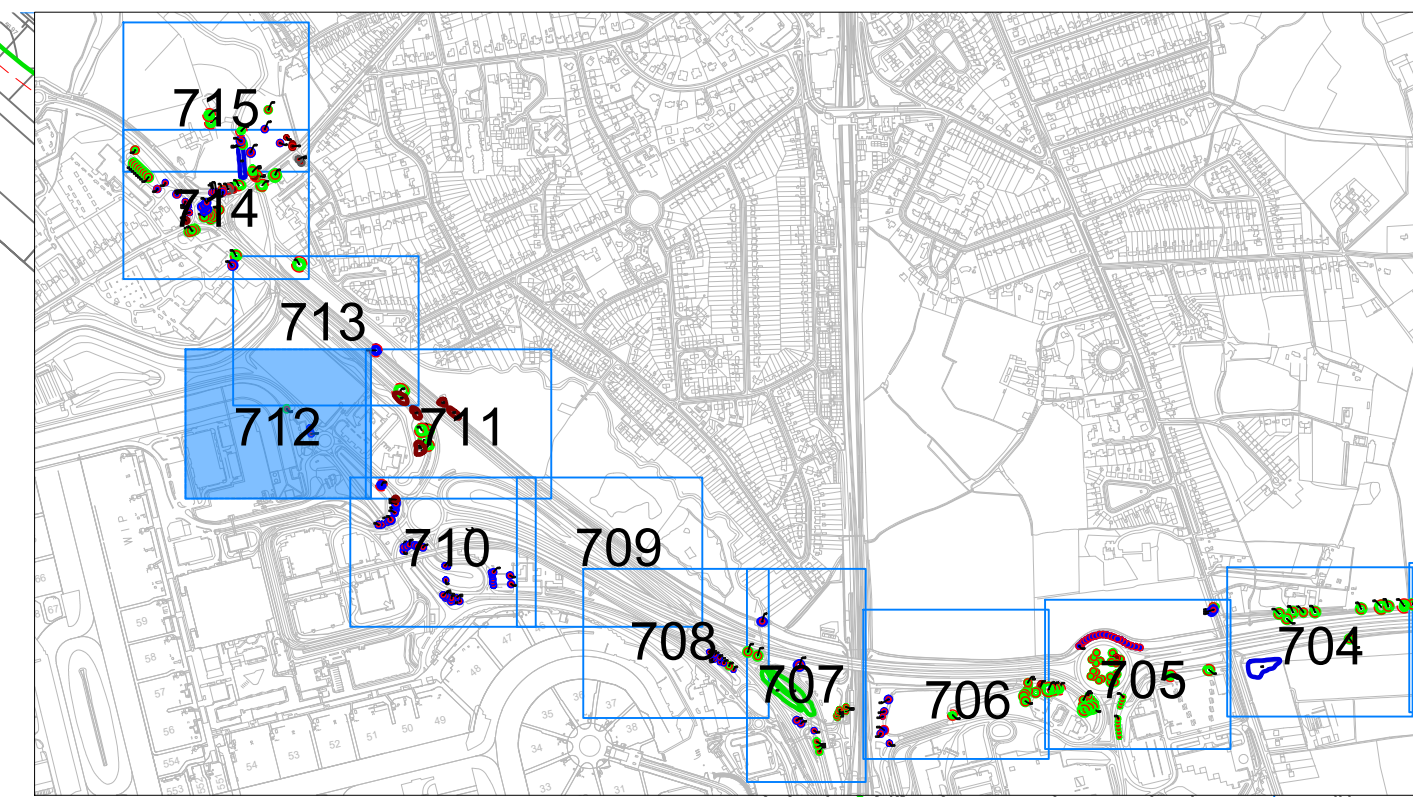
ORIENTATION 	DRAWING NO. <b>711</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>SH</b>	PM / CHECKED BY <b>PE</b>



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Car park



**Legend**

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  - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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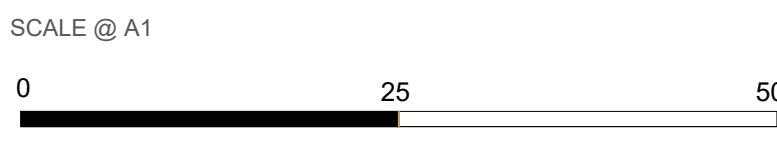
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DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Tree Survey  
Appendix 8.8.1  
Sheet 12 of 15**

DATE  
**July 2023**

ORIENTATION 	DRAWING NO. <b>712</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>SH</b>	PM / CHECKED BY <b>PE</b>



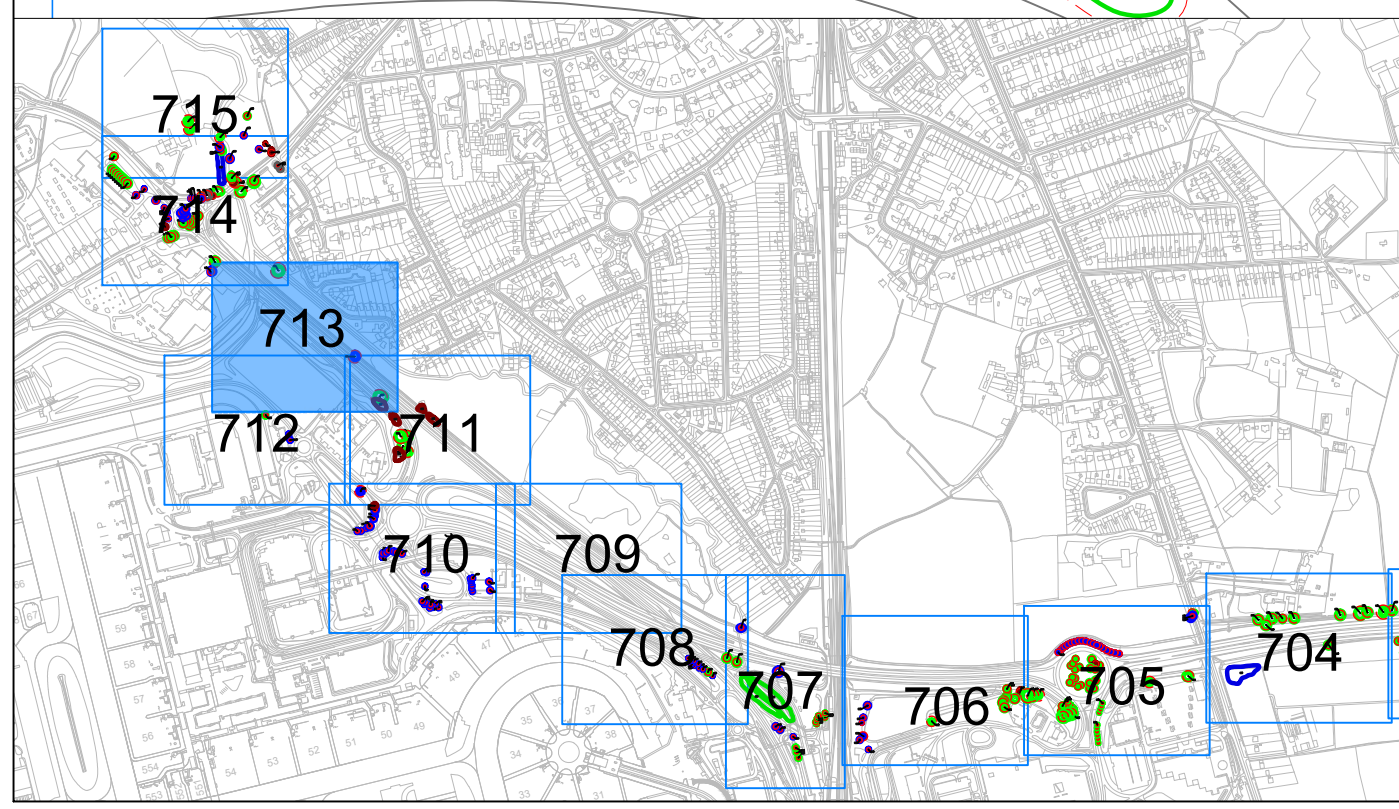
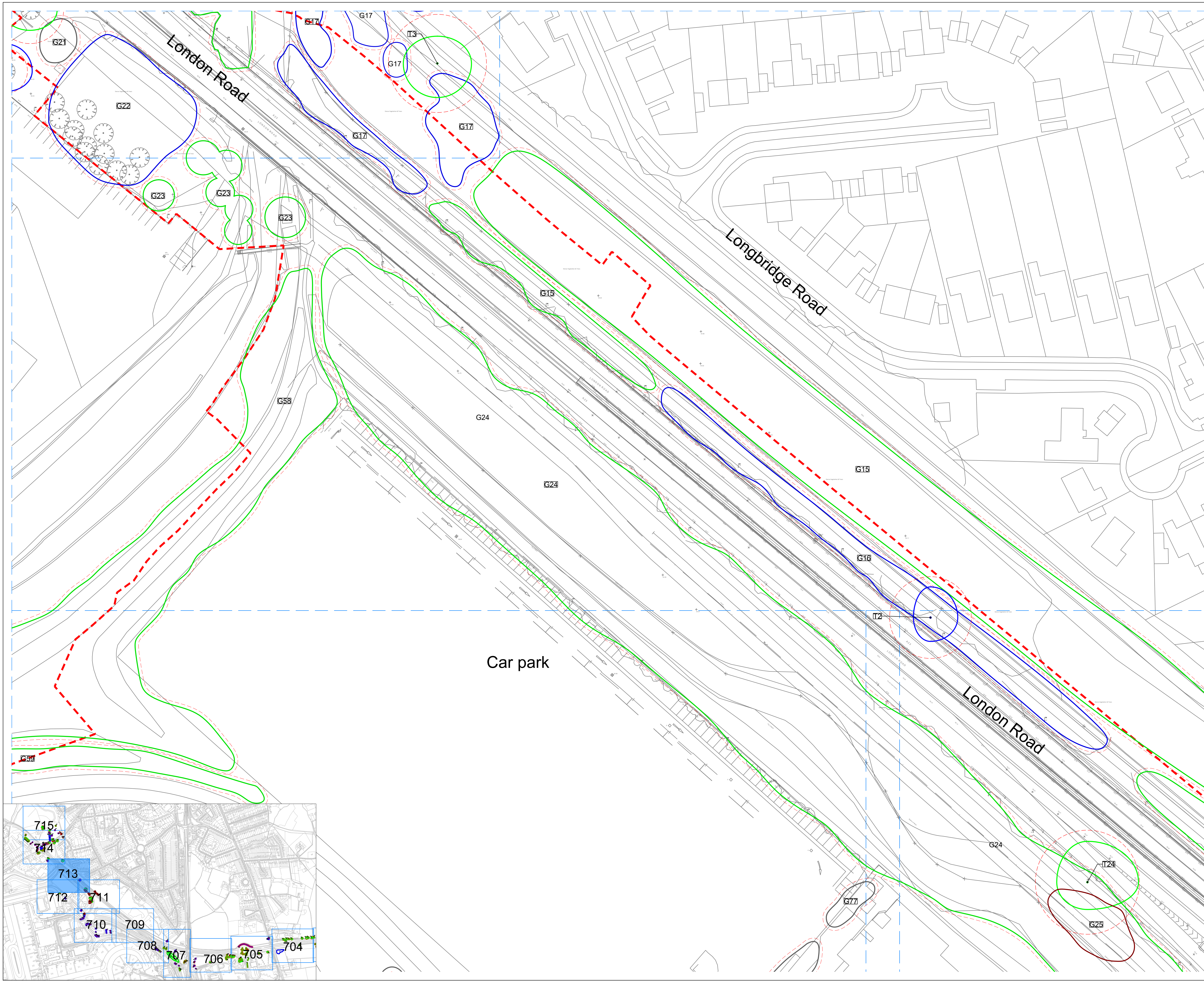
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**Legend**

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  - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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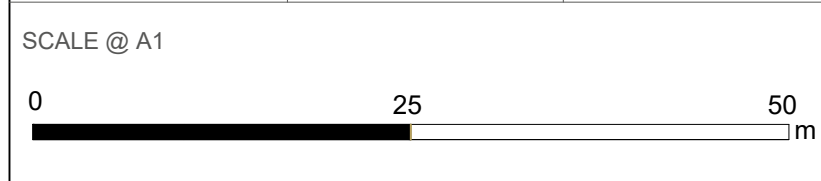


DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Tree Survey  
Appendix 8.8.1  
Sheet 13 of 15**

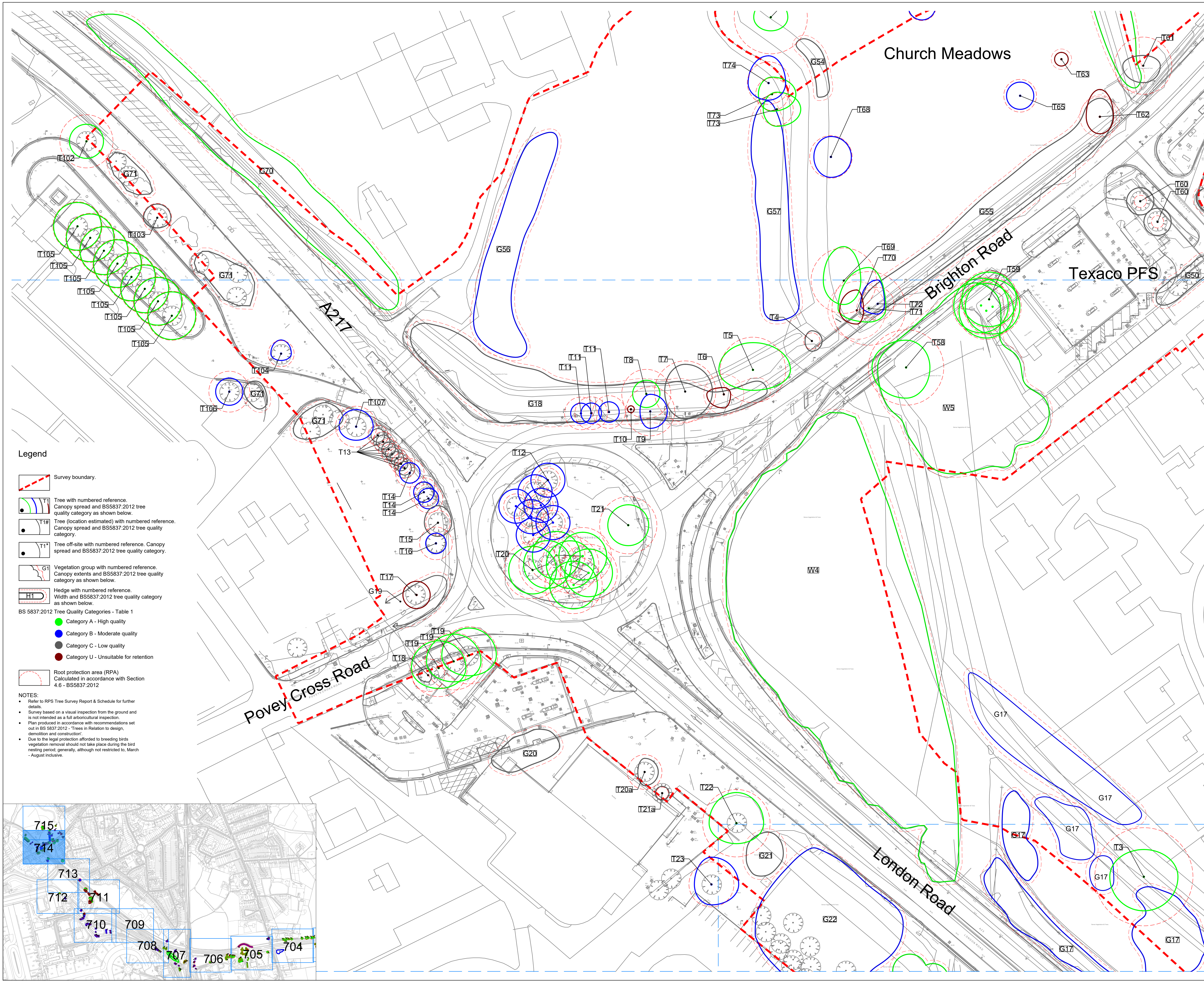
DATE  
**July 2023**

ORIENTATION 	DRAWING NO. <b>713</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>SH</b>	PM / CHECKED BY <b>PE</b>



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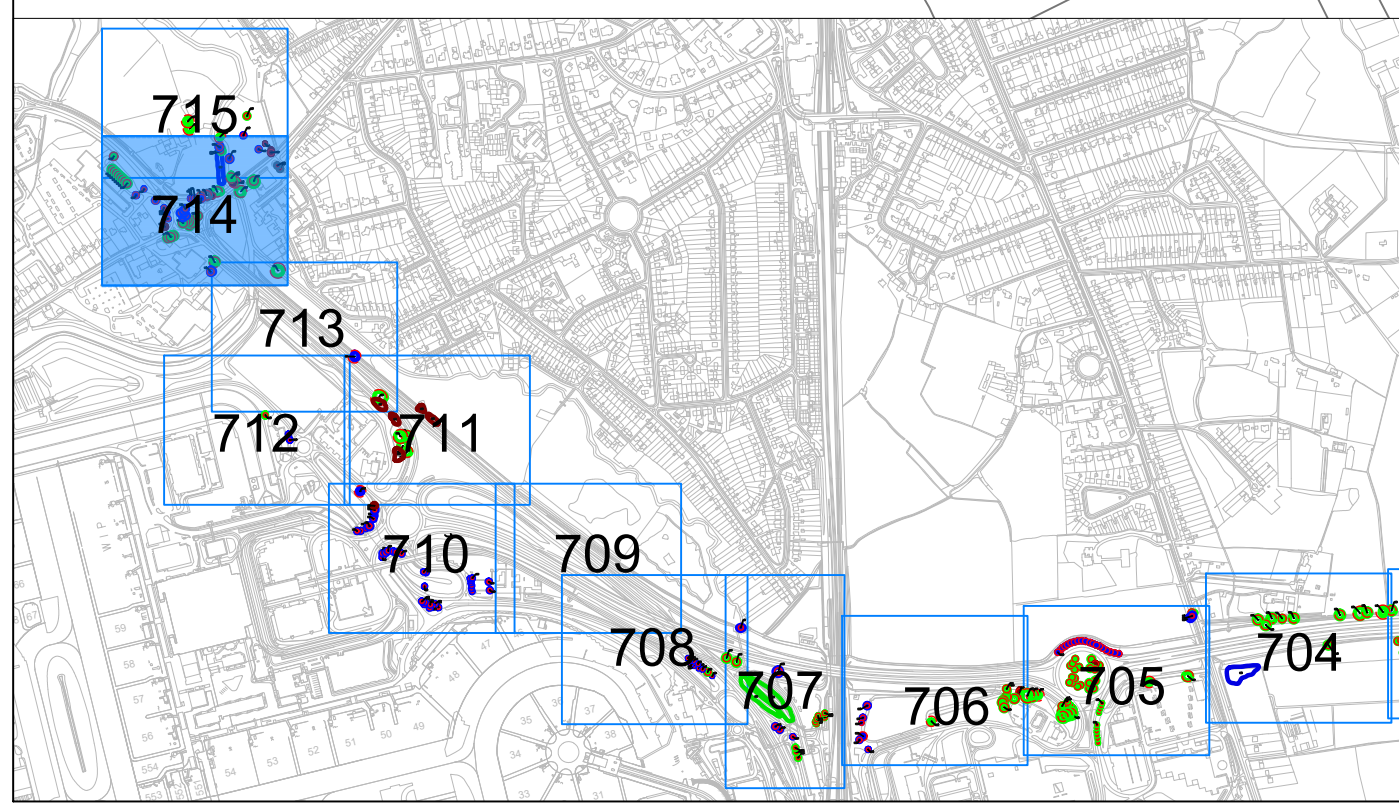




**Legend**

- Survey boundary.
  - 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.
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DOCUMENT

**Environmental Statement**

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DRAWING TITLE  
**Tree Survey**  
Appendix 8.8.1  
Sheet 14 of 15

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DATE  
**July 2023**

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ORIENTATION	DRAWING NO.	REVISION
N 	714	For ES Issue
	DRAWN BY	PM / CHECKED BY
	SH	PE

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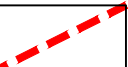
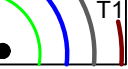

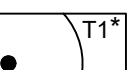
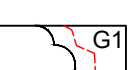
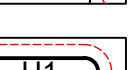




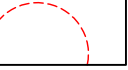
SCALE @ A1

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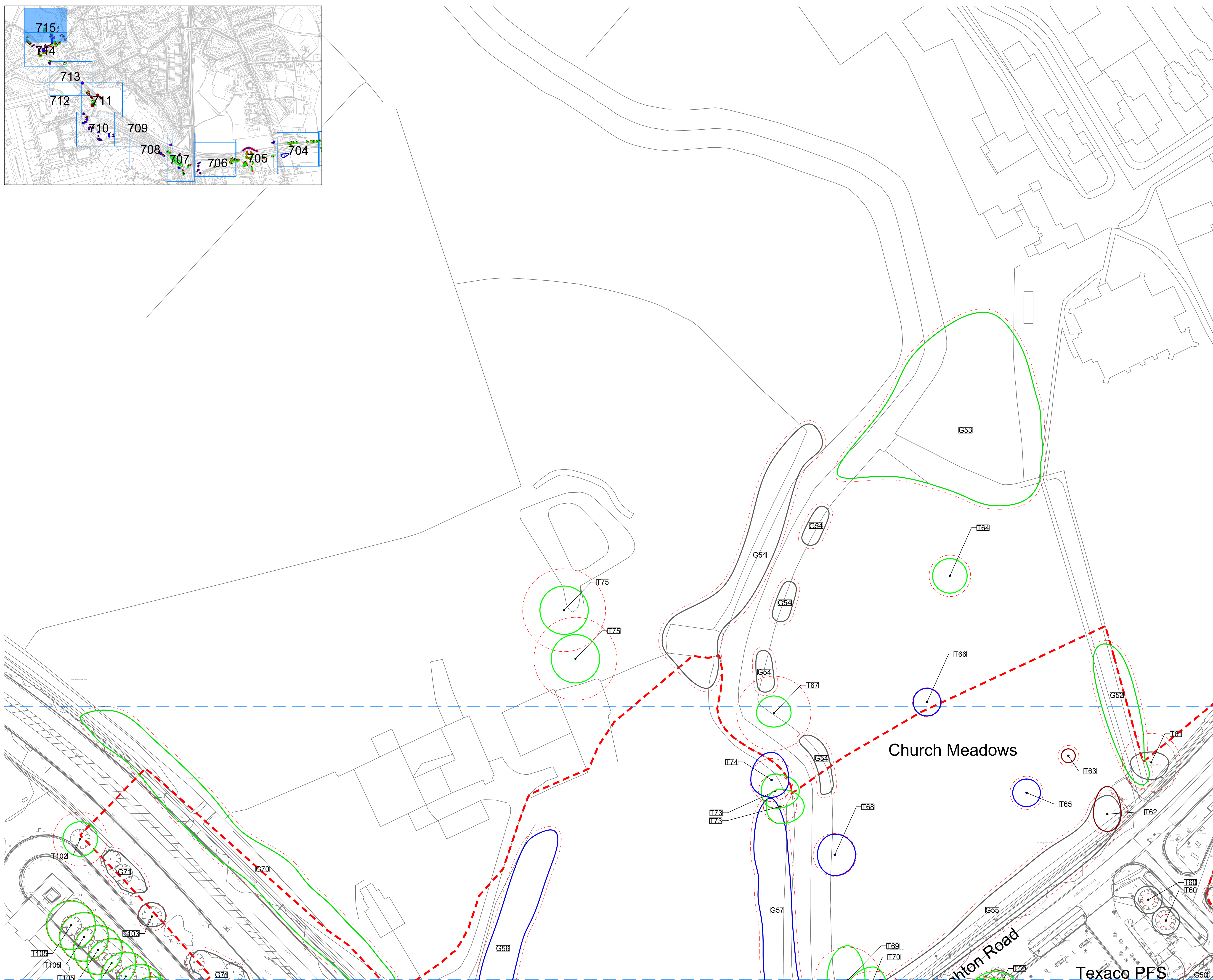
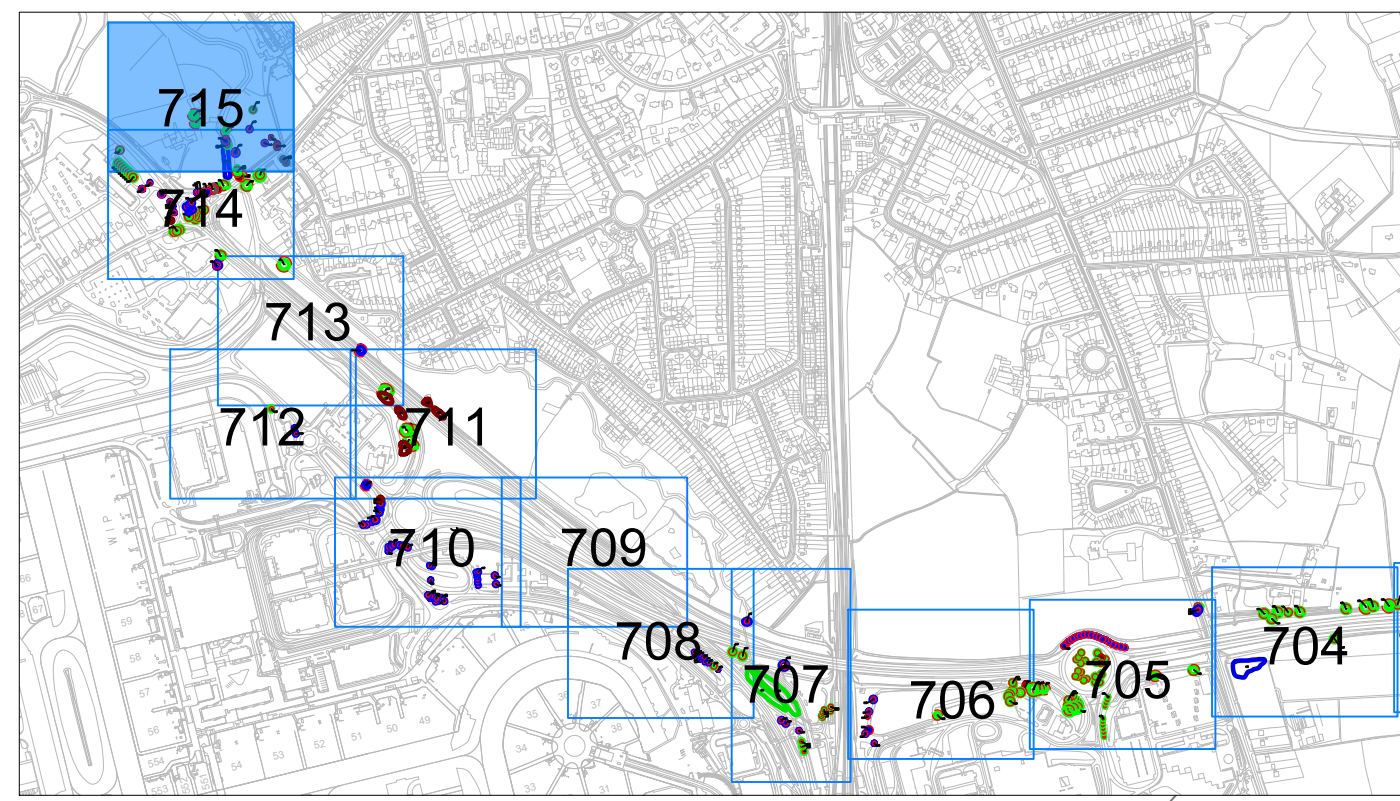


**Legend**

-  Survey boundary.
  -  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

**NOTES:**

- Refer to RPS 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.



**DOCUMENT**

**Environmental Statement**

**DRAWING TITLE**

**Tree Survey  
Appendix 8.8.1  
Sheet 15 of 15**

**DATE**

**July 2023**

**ORIENTATION**



**DRAWING NO.**

**715**

**REVISION**

**For ES Issue**

**DRAWN BY**

**SH**

**PM / CHECKED BY**

**PE**

**SCALE @ A1**



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**Tree Survey Schedule**

**Site:** Gatwick Airport: Surface Access project  
**Project schedule ref:** JSL3287\_750  
**Drawing reference:** JSL3287\_700 to 714  
**Survey date:** 16.05.2022 / 24.05.2022 / 14.06.22 / 16.06.22 / 30.06.22

**Surveyor:** D. Cox

**Status:**

**Revision:** .

**Notes:** The location of most individual trees have been estimated on site.



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (m)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
T1	Quercus robur Pedunculate Oak	10.0	5.0	7.0	6.0	7.0	0.40	1.00	2.00	S	EM	Good	Good	Maiden Oak beside path, open form.	+ 40	B2
T2	Salix fragilis Crack Willow	15.0	9.0	8.0	7.0	5.0	0.6 0.8	2.00	2.00	S	M	Fair	Good	Set beside road ditch, wide forked base.	+ 20	B3
T3	Salix fragilis Crack Willow	16.0	18.0	10.0	10.0	10.0	Ave 0.4	9.00	2.00	S	M	Good	Good	Set on river edge, wide formed multi-stem.	+ 20	A2
T4	Fraxinus excelsior Common Ash	5.0	3.0	3.0	3.0	2.0	0.20	1.00	3.00	S	Y	Good	Good	Set on riverbank.	<10	C2
T5	Fraxinus excelsior Common Ash	16.0	8.0	11.0	6.0	10.0	0.80	1.00	+3	S	M	Good	Good	Maiden Ash, on lower slope. Few snags.	<10	A2
T6	Alnus glutinosa Common Alder	7.0	2.0	2.0	4.0	5.0	Ave 0.2	6.00	2.00	S	OM	Poor	Poor	Dead/declining.	<10	U
T7	Quercus robur Pedunculate Oak	22.0	8.0	8.0	8.0	6.0	0.75	1.00	2.50	S	M	Good	Good	Fine Oak, at toe of bank.	+ 20	C3
T8	Quercus robur Pedunculate Oak	15.0	4.0	4.0	4.0	4.0	0.60	1.00	1.50	-	EM	Good	Good	Good potential, at toe of bank.	+ 40	A2
T9	Betula pendula Silver Birch	16.0	5.0	5.0	5.0	3.0	0.60	1.00	2.00	S	M	Good	Fair	Lacking some vigour.	+ 10	B2
T10	Betula pendula Silver Birch	-	-	-	-	-	-	-	-	-	-	-	-	Dead/standing tree.	-	U
T11	2 Betula pendula Silver Birch	9.0	3.0	3.0	3.0	3.0	0.40	1.00	0.50	-	M	Good	Good	Close pair of Birch, some ivy.	+ 20	B2
T12	7 Betula pendula Silver Birch	Ave 9	Ave 5	Ave 5	Ave 5	Ave 5	Ave 0.3	1.00	2.00	-	M	Good	Good	Birch group, set on roundabout.	+ 30	B2
T13	7 Thuja plicata Western Red Cedar	8.0	2.0	2.0	2.0	2.0	Ave 0.25	1.00	2.00	-	M	Good	Fair	Lacking vigour.	+ 10	C2

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T14	3 Pinus sylvestris Scots Pine	Up to 8	3.0	3.0	3.0	3.0	Ave 0.35	1.00	1.50	-	EM	Good	Good	Trio of good Pine.	+ 20	B2
T15	Acer pseudoplatanus Sycamore	8.0	5.0	4.0	4.0	4.0	0.30	1.00	1.00	-	EM	Good	Good	Tight forks at 2m.	+ 20	C2
T16	Thuja plicata Western Red Cedar	9.0	3.0	3.0	3.0	3.0	0.40	1.00	0.50		M	Good	Good	Vigour, low crown.	+ 30	B2
T17	Fraxinus excelsior Common Ash	9.0	4.0	4.0	4.0	4.0	0.40	1.00	3.00	-	M	Poor	Poor	Declining/dead.	<5	U
T18	Aesculus hippocastanum Horse Chestnut	8.0	2.0	1.0	2.0	3.0	0.40	1.00	2.00	-	EM	Good/Fair	Fair	Suppressed, bark wounds at 3m.	+ 10	C2
T19	3 Aesculus hippocastanum Horse Chestnut	16.0	8.0	8.0	6.0	8.0	Ave 0.7	1.00	2.00	N	M	Good	Good	Trio of close Chestnut, attractive group. Ivy clad.	+ 30	A2
T20	7 Quercus robur Pedunculate Oak	16.0	7.0	7.0	7.0	7.0	Up to 0.7	1.00	2.50	-	M	Good	Good	Group of good Oak on roundabout.	+ 40	A2
T21	Taxus baccata Common Yew	8.0	6.0	6.0	6.0	6.0	Est 0.7	1.00	0.00	-	M	Good	Good	Low, wide, domed Yew on roundabout.	+ 20	A2
T20a	Prunus avium Wild Cherry	4.0	4.0	4.0	4.0	2.0	0.3 x2	2.00	2.00	N	M	Fair	Good	Previously reduced, dead wood snags.	+ 10	C2
T21a	Ilex aquifolium Common Holly	4.0	2.0	2.0	2.0	2.0	Est 0.15	1.00	0.00	-	M	Good	Good	Dense, vigorous.	+ 20	C2
T22	Populus sp. Poplar sp.	18.0	9.0	8.0	6.0	8.0	0.2 0.8	2.00	2.00	E	M	Good	Good	Vigorous, prominent.	+ 30	A2
T23	Quercus robur Pedunculate Oak	18.0	8.0	8.0	6.0	5.0	0.55	1.00	3.00	E	M	Good	Fair/Good	Lacking some vigour, some dead wood.	+ 30	B2
T24	2 Populus sp. Poplar sp.	+25	12.0	15.0	8.0	9.0	0.9 x2	1.00	+3	E	M	Good	Fair/Good	Huge pairing of Poplar, skyline presence.	+ 20	A2

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			N	E	S	W										
T25	4 Quercus robur Pedunculate Oak	Up to 22	Various >10m				Up to 1.1	1.00	-	-	M	Good	Good	Group of aged Oak, of former land cover era. Tree to NW, with significant scale and value.	+ 40	A1/2/3
T26	Prunus avium Wild Cherry	4.0	3.0	3.0	3.0	3.0	0.15	1.00	1.00	-	EM	Fair	Fair	Unremarkable.	+ 20	C2
T27	4 Acer platanoides, 1 Fraxinus excelsior Norway Maple, Common Ash	Up to 7	4.0	4.0	4.0	4.0	Up to 0.4	1.00	1.10	-	EM	Good/Fair	Good	Fine verge trees, including single Ash (early Ash dieback).	+ 20	C2
T28	Acer platanoides Norway Maple	6.0	4.0	3.0	4.0	4.0	0.20	1.00	2.00	W	Y	Good	Good	Road verge tree.	+ 20	C2
T29	Acer platanoides Norway Maple	7.0	3.0	3.0	3.0	3.0	0.25	1.00	2.00	-	EM	Good	Good	Road verge tree.	+ 20	C2
T30	1 Betula pendula, 1 Quercus rubra, 6 Fraxinus angustifolia Silver Birch, Red Oak, Narrow leaved Ash	Ave 8	4.0	4.0	4.0	4.0	Ave 0.3	1.00	1.50	-	EM	Good	Good	Roadside, parkland trees, Birch unremarkable.	+ 20	B2
T31	Tilia tomentosa Silver Lime	7.0	3.5	3.5	3.5	3.5	0.30	1.00	2.00	-	EM	Good	Good	Attractive, street tree.	+ 40	B2
T32	Fraxinus angustifolia Narrow leaved Ash	6.0	2.0	1.0	2.0	2.0	0.20	1.00	2.00	W	Y	Fair	Good	Unremarkable.	+ 5	C2
T33	Tilia tomentosa Silver Lime	6.0	3.0	3.0	3.0	3.0	0.30	1.00	2.00	-	EM	Good	Good	Attractive, lacks leader.	+ 40	B2
T34	Fraxinus angustifolia Narrow leaved Ash	8.0	5.0	6.0	6.0	6.0	0.40	1.00	0.50	E	EM	Good	Good	Attractive, street tree.	+ 5	B2
T35	2 Fraxinus angustifolia Narrow leaved Ash	7.0	4.0	4.0	4.0	4.0	0.20	1.00	1.50	-	EM	Good	Good	Attractive, street tree.	+ 5	B2
T36	2 Fraxinus angustifolia Narrow leaved Ash	7.0	5.0	5.0	6.0	5.0	0.30	1.00	3.00	-	EM	Good	Good	Attractive, street tree.	+ 5	B2
T37	Fraxinus angustifolia Narrow leaved Ash	7.0	5.0	5.0	3.0	5.0	0.40	1.00	3.00	-	EM	Poor	Good	Attractive, street tree, major wound to rear trunk.	<10	U

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			N	E	S	W										
T38	Prunus padus Bird cherry	8.0	4.0	5.0	4.0	4.0	0.35	1.00	2.00	-	EM	Fair/Good	Good	Congested, forked stem. Vigorous.	+ 20	C2
T39	2 Quercus robur Pedunculate Oak	15.0	7.0	7.0	7.0	7.0	Est 0.6	1.00	1.00	-	EM	Good	Good	Pair of good Oak, within wider thicket.	+ 40	A2
T39a	Fraxinus excelsior Common Ash	16.0	8.0	7.0	8.0	9.0	Est 0.6	1.00	0.00	-	M	Good	Fair	Mature Ash, within wider thicket. Early Ash dieback.	+ 5	B2
T40	2 Pinus nigra Austrian Pine	18.0	5 4	5 4	5 4	5 4	0.6 0.4	1.00	+8	-	M	Good	Good	Pair of close Pine, skyline presence.	+ 40	A2
T41	4 Quercus robur Pedunculate Oak	Up to 18	Ave 7	Ave 7	Ave 7	Ave 7	Ave 0.7	1.00	+4	-	M	Fair/Good	Fair/Good	Four, maiden Oak, set within drive-thru road network. Some decline in southern tree. Valuable nonetheless.	+ 40	A2
T42	2 Fraxinus excelsior Common Ash	16.0	8.0	5.0	6.0	5.0	0.5 0.4	1.00	4.00	N	M	Poor	Poor	Two, dead standing Ash.	-	U
T43	Quercus robur Pedunculate Oak	21.0	11.0	7.0	12.0	10.0	1.10	1.00	4.00	S	M	Fair/Good	Fair/Good	Superb, maiden Oak. Part of trio of five remnant trees of former land use. Previous pruning wounds/reductions. Some tip decline.	+ 40	A2/3
T44	Quercus robur Pedunculate Oak	20.0	9.0	11.0	10.0	5.0	0.95	1.00	3.00	S	M	Good	Fair/Good	Fine Oak, part of trio of remnant trees of former land use. Some dead wood.	+ 40	A2/3
T45	Quercus robur Pedunculate Oak	14.0	6.0	5.0	5.0	5.0	0.90	1.00	4.00	W	M	Fair	Fair	Fine Oak, part of trio of remnant trees of former land use. Previously heavily canopy reduced, various dead wood stubs. Woodpecker holes.	+ 30	A3
T46	3 Quercus robur Pedunculate Oak	+16	10.0	10.0	10.0	10.0	Ave 0.8	1.00	2.00	-	M	Good	Good	Trio of fine Oak, aligned on former ditch. Trees representing former land use. Bluebell ground flora.	+ 40	A2
T47	3 Quercus robur, 1 Prunus avium Pedunculate Oak, Wild Cherry	Up to 12		See plan			Up to 0.6	1.00	1.00	-	M	Good	Good	Group of four trees, from former land use. Mature Oak and single mature, low formed Cherry.	+ 40	A3
T48	6 Quercus robur 'Koster' Common Oak (upright)	12.0	2.0	2.0	2.0	2.0	Ave 0.2	1.00	0.50	-	EM	Good	Good	Six planted Oak cultivars, prominent location.	+ 40	A2
T49	4 Salix fragilis, 14 Populus x canadensis, Populus nigra 'Italica' Crack Willow, Hybrid Black Poplar, Lombardy Poplar	Up to 22		See plan			Up to 0.5	1.00	1.50	-	EM	Good	Good	Mature Poplar within roundabout, landscape value.	+ 30	A2

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			N	E	S	W										
T50	Quercus robur Pedunculate Oak	15.0	6.0	5.0	6.0	7.0	0.90	1.00	4.00	S	M	Good	Good	Fine, mature Oak, from former land use.	+ 40	A2/3
T51	Quercus robur Pedunculate Oak	15.0	7.0	8.0	8.0	9.0	0.85	1.00	3.00	N	M	Good	Good	Fine, mature Oak, from former land use. Ivy clad. Set on former ditch.	+ 40	A2/3
T52	2 Quercus robur Pedunculate Oak	11.0	6.0	6.0	6.0	6.0	0.35	1.00	2.00	E	EM	Good	Good	Pair of Oak, with potential. Ivy clad.	+ 40	B2
T53	Quercus robur Pedunculate Oak	12.0	4.0	9.0	4.0	4.0	0.60	1.00	2.00	E	M	Good	Good	Bias to east, ivy clad. Amenity value nonetheless.	+ 40	A2
T54	Quercus robur (var) Pedunculate Oak	+15	Ave 8	Ave 8	Ave 8	Ave 8	Ave 0.75	1.00	2.00	-	M	Good	Good	Series of mature Oak, ivy clad, collective merit.	+ 40	A2
T55	Acer pseudoplatanus Sycamore	15.0	5.0	5.0	7.0	5.0	0.65	1.00	2.00	S	M	Good	Good	Bifurcates at 2m, ivy clad.	+ 40	A2
T56	Quercus robur Pedunculate Oak	+17	10.0	9.0	11.0	10.0	1.10	1.00	3.00	S	M	Good	Good	Superb, field Oak, broad form. Ivy clad.	+ 40	A2/3
T57	Quercus robur Pedunculate Oak	15.0	9.0	6.0	8.0	6.0	1.10	1.00	2.00	S	M	Good	Good	Superb, field Oak, broad form. Ivy clad.	+ 40	A2/3
T58	Fraxinus excelsior Common Ash	18.0	8.0	7.0	9.0	10.0	0.7 0.6	2.00	2.50	N	M	Good	Good	Fine, mature Ash. Wide form. Ivy clad, Broad bole. Minor tip decline only.	<10	A2
T59	4 Fraxinus excelsior Common Ash	20.0	8.0	8.0	8.0	8.0	Ave 0.7	1.00	3.00	-	M	Good	Good	Stand of close Ash, beside garage. Ivy clad. Wide canopied.	<10	A2
T60	Pyrus calleryana 'Chanticleer' Chanticleer's Pear	5.0	1.0	1.0	1.0	1.0	0.15	1.00	1.50	-	Y	Good	Good	Young plantings, potential.	+ 20	C2
T61	Fraxinus excelsior Common Ash	12.0	3.0	5.0	5.0	6.0	0.70	1.00	5.00	S	EM	Good	Fair	Bifurcates at 1.6m.	<10	C2
T62	Fraxinus excelsior Common Ash	14.0	8.0	4.0	5.0	4.0	Ave 0.2	6.00	2.00	S	M	Fair	Poor	Multi-stem, multiple stem hollows/buckles.	<5	U

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T63	Acer platanoides Norway Maple	5.0	2.0	2.0	2.0	2.0	0.25	1.00	2.00	-	Y	Poor	Poor	Major stem wound/decay.	<5	U
T64	Acer platanoides Norway Maple	8.0	6.0	5.0	5.0	5.0	0.50	1.00	2.00	-	EM	Good	Good	Attractive, open grown parkland tree.	+ 40	A2
T65	Acer rubrum Red Maple	7.0	4.0	4.0	4.0	4.0	0.40	1.00	2.00	-	EM	Good	Good	Parkland tree, with potential.	+ 40	B2
T66	Acer platanoides Norway Maple	6.0	4.0	4.0	4.0	4.0	0.35	1.00	1.50	-	EM	Good	Good	Parkland tree, with potential.	+ 40	B2
T67	Acer campestre Field Maple	8.0	5.0	5.0	4.0	5.0	Ave 0.4	5.00	1.00	-	M	Good	Good	Super, riverside Maple. Wide root flare.	+ 40	A1/3
T68	Fraxinus excelsior Common Ash	15.0	6.0	6.0	6.0	5.0	0.3 x3	3.00	1.00	W	EM	Good	Good	Tri-stem, set on riverbank.	<10	B2/3
T69	Salix babylonica Weeping Willow	10.0	10.0	5.0	7.0	6.0	0.80	1.00	0.00	-	M	Fair/Good	Good	Attractive, heavy stem. Bias to north, canopy touches ground.	+ 40	A1/2
T70	Fraxinus excelsior Common Ash	16.0	6.0	2.0	4.0	5.0	0.5 x2	2.00	3.00	W	M	Good/Fair	Fair	Ivy clad, adjacent to bridge/road. Tip decline.	<5	U
T71	Quercus robur Pedunculate Oak	14.0	12.0	5.0	4.0	9.0	0.90	1.00	1.50	N	M	Fair/Good	Good	Fine, contorted Oak. Heave bias to north-west. Set on bank beside road.	+ 40	A2/3
T72	Fraxinus excelsior Common Ash	18.0	7.0	2.0	3.0	5.0	0.40	1.00	4.00	N	EM	Good	Good/Fair	Last remaining Ash of former roadside group. Ivy clad. Current good vigour.	<10	B2
T73	2 Acer campestre Field Maple	12.0	5.0	7.0	5.0	4.0	Est 0.4	Est 0.4	1.00	E	M	Good	Good	Pair of riverside Maple, fine mature examples. Wide bole on bank.	+ 40	A1/2
T74	Fraxinus excelsior Common Ash	17.0	8.0	5.0	5.0	6.0	Est 0.3	Est 0.3	2.00	-	EM	Good	Good	Part of Maple group, good current vigour.	<10	B2
T75#	Quercus robur Pedunculate Oak	Est 12	Est 7	Est 7	Est 7	Est 7	Est 1.0	Est 1	1.00	-	M	Good	Good	Pair of inaccessible Oak, survey from afar. Some aged qualities noted, dead wood, some stag heading.	+ 40	A2/3

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			N	E	S	W										
T76	Prunus avium (var) Wild Cherry	<3	1.0	1.0	1.0	1.0	0.10	1.00	1.50	-	Y	Poor	Poor/Fair	Young Cherry tree plantings, lacking vigour.	+ 10	C2
T77	2 Acer campestre Field Maple	5.0	3.0	3.0	3.0	3.0	0.20	1.00	1.00	-	Y	Good	Good	Pair of Maple with potential.	+ 40	B2
T78	Fraxinus ornus Manna Ash	5.0	3.0	3.0	3.0	3.0	0.20	1.00	0.50	-	Y	Good	Good	Good, young example.	<10	C2
T79	Fraxinus angustifolia, Pyrus calleryana 'Chanticleer', Betula pendula, Acer campestre Narrow Leaved Ash, Chanticleer's Pear, Silver Birch, Field Maple	Up to 5	Ave 2	Ave 2	Ave 2	Ave 2	Ave 0.2	1.00	Ave 1.0	-	Y	Good	Good/Fair	Series of immature tree planting within shrubbery.	+ 30	C2
T80	2 Betula pendula Silver Birch	8.0	3.0	3.0	3.0	3.0	0.20	1.00	1.50	-	Y	Good	Good	Pair of Birch, roadside value.	+ 30	B2
T81	2 Prunus avium Wild Cherry	3.0	2.0	2.0	2.0	2.0	0.15	1.00	1.50	-	Y	Fair/Good	Fair/Good	Unremarkable Cherries.	+ 20	C2
T82	Tilia sp. Lime sp.	8.0	Ave 3.5	Ave 3.5	Ave 3.5	Ave 3.5	Ave 0.3	1.00	0.50	-	Y	Good	Good	Group of attractive Lime, on steep bank.	+ 40	B2
T83	Prunus avium (var) Wild Cherry	3.0	2.0	2.0	2.0	2.0	Ave 0.15	1.00	2.00	-	Y	Good	Fair	Unremarkable, young Cherry beside road.	+ 20	C2
T84	Prunus sp., Carpinus betulus Prunus sp., Hornbeam	Up to 6	Ave 2	Ave 2	Ave 2	Ave 2	Ave 0.2	1.00	1.50	-	Y	Fair	Fair/Poor	Solitary car park trees, varied quality.	+ 20	C2
T85	Pyrus calleryana 'Chanticleer', Acer campestre Chanticleer's Pear, Field Maple	7.0	3.0	3.0	3.0	3.0	Ave 0.2	1.00	2.00	-	Y	Good	Good	Attractive group, beside Police car park.	+ 40	B2
T86	Prunus avium Wild Cherry	6.0	2.0	5.0	5.0	5.0	Ave 0.3	1.00	2.00	S	Y	Good	Fair	Roadside Cherries, suppressed.	+ 20	C2
T87	2 Carpinus betulus Hornbeam	8.0	4.0	4.0	4.0	4.0	0.30	1.00	1.50	-	EM	Good	Good	Pair of attractive Hornbeam.	+ 40	B2

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**Surveyor:** D. Cox

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T88#	3 Prunus sp. Prunus sp.	5.0	3.0	3.0	3.0	3.0	Est 0.2	1.00	-	-	Y	Fair	Good	Unremarkable Cherries.	+ 20	C2
T89	9 Prunus sp., 3 Betula pendula Prunus sp., Silver Birch	Ave 6	3.0	3.0	3.0	3.0	Ave 0.3	1.00	2.00	-	EM	Good	Fair/Good	Roadside Cherries, three Birch to rear.	+ 20	C2
T90	Prunus avium (var) Wild Cherry	5.0	Ave 3	Ave 3	Ave 3	Ave 3	Ave 0.25	1.00	1.50	-	EM	Good/Fair	Good	Roadside Cherries, some included unions issues. Double avenue.	+ 20	C2
T91	6 Prunus padus Bird cherry	3.0	2.0	2.0	2.0	2.0	Ave 0.2	1.00	1.50	-	Y	Good	Good	Young, unremarkable.	+ 20	C2
T92	Tilia x euchlora, Prunus padus, Pinus sylvestris Crimean Lime, Bird Cherry, Scots Pine	7.0	See plan				Ave 0.2	1.00	1.50	-	Y	Good	Good	Series of parkland trees, Lime mainly. Good potential.	+ 40	B2
T93	Tilia x euchlora Crimean lime	15.0	5.0	5.0	5.0	5.0	0.50	1.00	1.50	-	EM	Good	Good	Fine, vigorous example. Prominent location.	+ 40	A2
T94	4 Acer campestre Field Maple	3.0	2.0	2.0	2.0	2.0	0.10	1.00	1.50	-	Y	Good	Good	Young plantings.	+ 10	C2
T95	2 Betula pendula Silver Birch	6.0	3.0	3.0	3.0	3.0	Ave 0.2	1.00	1.50	-	Y	Good	Fair	Pair of roundabout trees, lack some vigour	+ 20	C2
T96	1 Tilia x euchlora, 1Acer platanoides Crimean Lime, Norway Maple	3.0	3.0	3.0	3.0	3.0	0.20	1.00	1.50	-	Y	Good/Fair	Good	Immature, parkland trees.	+ 20	C2
T97	Pinus nigra Austrian Pine	3.0	3.0	2.0	2.0	2.0	0.1 x3	3.00	1.00	-	Y	Good	Good	Low, shrub form.	+ 20	C2
T98	4 Acer platanoides Norway Maple	8.0	4.0	5.0	5.0	5.0	Ave 0.4	1.00	2.00	-	EM	Good/Fair	Good	Four Maple in prominent location, group value. One tree multi-stemmed.	+ 40	B2
T99	Betula pendula Silver Birch	9.0	3.0	3.0	3.0	3.0	0.30	1.00	1.00	-	EM	Good	Good	Attractive example.	+ 30	B2
T100	3 Tilia x euchlora Crimean lime	9.0	4.0	4.0	4.0	4.0	Ave 0.3	1.00	2.00	-	EM	Good	Good	Attractive trio of Lime.	+ 40	A2

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T101	6 Fraxinus excelsior, 1 Crataegus monogyna Common Ash, Common Hawthorn	5.0	3.0	3.0	3.0	3.0	0.20	1.00	1.80	-	Y	Good	Fair	Roadside Ash.	<10	C2
T102	Acer saccharum Sugar Maple	18.0	5.0	5.0	5.0	5.0	0.65	1.00	2.00	-	M	Good	Good	Fine example, open grown Silver Maple.	+ 40	A2
T103	Prunus padus Bird Cherry	5.0	4.0	4.0	3.0	4.0	0.35	1.00	1.50	-	M	Good	Good	Open grown, high surface roots.	+ 20	C2
T104	Betula pendula Silver Birch	6.0	4.0	3.0	2.0	3.0	0.20 0.25	2.00	1.50	-	M	Good	Good	Twin stem, attractive.	+ 30	B2
T105	8 Catalpa bignonioides Indian Bean Tree	Ave 12	Ave 7	Ave 7	Ave 7	Ave 7	Ave 0.60	1.00	1.50	-	M	Good	Good	Linear group in forecourt of hotel, attractive group. All previously reduced/crown managed.	+ 40	A1/2
T106	Acer platanoides Norway Maple	9.0	4.0	4.0	4.0	4.0	0.50	1.00	2.00	-	M	Fair/Good	Good	Congested union at canopy break.	+ 20	
T107	Betula pendula Silver Birch	7.0	5.0	5.0	4.0	5.0	0.50	1.00	3.50	-	M	Fair/Good	Good	Minor decay holes, broad form.	+ 20	B2
T108	Platanus x hispanica London Plane	8.0	5.0	3.0	5.0	5.0	0.35	1.00	2.00	-	EM	Good	Good	Good potential.	+ 40	A2
T109	2 Prunus avium Wild Cherry	5.0	4.0	4.0	4.0	4.0	0.30	1.00	1.50	-	M	Good	Good	Mature Cherry pairing.	+ 20	C2
T110	3 Tilia x euchlora Crimean lime	7.0	3.0	3.0	3.0	3.0	Ave 0.20	1.00	1.00	-	Y	Good	Good	Trio of close Limes, street presence.	+ 40	B2
T111	Aesculus hippocastanum Horse Chestnut	6.0	3.5	3.5	3.5	3.5	0.30	1.00	1.50	-	EM	Good	Fair	Lacking some vigour.	+ 20	C2
T112	Prunus avium Wild Cherry	7.0	6.0	6.0	6.0	6.0	0.90	1.00	2.00	-	M	Good	Good	Open grown Cherry, street presence.	+ 20	B2
T113	2 Fraxinus excelsior Common Ash	9.0	5.0	5.0	5.0	5.0	Ave 0.35	1.00	2.50	-	EM	Fair	Good	Car park pairing, few snags. Girdled root flare.	<10	C2

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T114	7 Alnus cordata Italian Alder	10.0	3.0	3.0	3.0	3.0	Ave 0.40	1.00	2.00	-	EM	God	Good	Attractive Alder group. Maiden.	+ 40	A2
T115	Carpinus betulus, Acer platanoides Hornbeam, Norway Maple	4.0	2.0	2.0	2.0	2.0	Up to 0.15	1.00	1.50	-	Y	Fair	Fair	Car park plantings, unremarkable.	+ 10	C2
T116	Acer campestre, Alnus glutinosa 'laciniata', Ulmus procera Field Maple, Common Alder, English Elm	7.0	See plan				Up to 0.40	Var	1.50	-	M	Good	Good	Individual, pond side trees. Some better Maple and Elm.	+ 20	C2/B2
T117	Populus sp. Poplar	15.0	4.0	4.0	4.0	4.0	0.70	1.00	2.00	-	M	Fair	Good	Previously reduced canopy, regrowth vigorous.	+ 20	B2
T118	Carpinus betulus Hornbeam	5.0	3.0	3.0	3.0	3.0	0.30	1.00	0.50	-	M	God	Good	Low, wide form.	+ 40	B2
T119	Quercus robur Pedunculate Oak	15.0	5.0	3.0	6.0	6.0	0.80	1.00	2.00	W	M	Fair/Good	Good	Fine Oak, canopy bias to west. Set in car park.	+ 40	A2
T120	Populus nigra 'Italica' (Var) Lombardy Poplar	20.0	3.0	3.0	3.0	3.0	Est 0.50	1.00	0.00	-	M	Good	Good	Curved, linear group. Strategic presence.	+ 20	B2/3
T121	Quercus robur Pedunculate Oak	7.0	6.0	7.0	7.0	6.0	0.80	1.00	1.50	S	M	Good	Good	Fine, wide formed Oak. Low canopy.	+ 40	A2
T122	3 Carpinus betulus Hornbeam	10.0	5.0	5.0	5.0	5.0	Ave 0.45	1.00	1.50	-	M	Fair/Good	Good/Poor	Trio of parkland Hornbeam, quality of trees reduces southwards.	+ 30	A2 to U
T123	Quercus robur (var) Pedunculate Oak	Ave 10	See plan				Up to 0.3	1.00	3.00	-	M	Good	Good	Field hedge Oak, landscape and arboreal value.	+ 40	A2/3
T124	Quercus robur (var) Pedunculate Oak	Ave 12	See plan				Up to 0.7	1.00	3.00	-	M	Good/Fair	Good	Individual Oak, former field hedge presumably.	+ 40	A2
T125	Thuja plicata Western Red Cedar	5.0	2.0	2.0	2.0	2.0	Ave 0.2	1.00	1.00	-	Y	Fair	Fair	Individual Conifer, varied quality. Insignificant. Occasional Ash.	+ 10	C2
T126	Quercus robur Pedunculate Oak	7.0	6.0	7.0	7.0	7.0	Ave 0.6	1.00	1.50	S	M	Good	Good	Low, fine Oak. Broad form.	+ 40	A2

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G1	Fraxinus excelsior, Acer campestre, Acer pseudoplatanus, Crataegus monogyna, Corylus avellana Common Ash, Field Maple, Sycamore, Common Hawthorn, Common Hazel	15.0	See plan				Up to 0.5	-	0.00	-	EM	Good	Good	Ash/Sycamore dominant. On roadside embankment. Some better Ash/Sycamore. Open understory.	+ 30	B2/3
G2	Quercus robur, Corylus avellana, Fraxinus excelsior, Acer pseudoplatanus Pedunculate Oak, Common Hazel, Common Ash, Sycamore	6.0	See plan				Up to 0.2	-	0.00	-	EM	Good	Good/Fair	Lower, denser stand than G1. Set on roadside embankment. Indications of Ash dieback.	+ 10	B2/3
G3	Fraxinus excelsior, Prunus avium, Prunus laurocerasus, Corylus avellana, Crataegus monogyna Common Ash, Wild Cherry, Cherry Laurel, Common Hazel, Common Hawthorn	12.0	See plan				Up to 0.4	-	0.00	-	EM	Good	Fair/Good	Plantation on steep bund beside car par. Ash dominant, then Cherry. Adjacent housing.	+ 20	B2
G4	Fraxinus excelsior, Salix caprea, Acer pseudoplatanus, Betulus pendula Common Ash, Goat Willow, Sycamore, Silver Birch	12.0	See plan				Up to 0.3	-	0.00	-	EM	Good/Fair	Good/Fair	Thicken between car park and railway, some better Ash.	+ 20	C2/3
G5	Fraxinus excelsior, Acer campestre, Prunus cerasifera, Crataegus monogyna, Salix caprea Common Ash, Field Maple, Myrobalan Plum, Common Hawthorn, Goat Willow	12.0	See plan				Up to 0.4	-	0.00	-	EM	Good	Good	Road embankment plantation, some better Maple, Ash to 15m.	+ 30	B2/3
G6	Prunus avium, Fraxinus excelsior, Alnus glutinosa Wild Cherry, Common Ash, Common Alder	15.0	See plan				Up to 0.5	-	0.00	-	M	Good	Good	Trees at tow of bank, or rear garden. Some better maidens.	+ 30	B2/3
G7	Quercus robur, Fraxinus excelsior, Acer campestre, Crataegus monogyna, Prunus avium Pedunculate Oak, Common Ash, Field Maple, Common Hawthorn, Wild Cherry	+15	See plan				Up to 1.0	-	0.00	-	M	Good	Good	Mixed copse, beside stream. Some significant Oak, varied ground flora.	+ 40	A2/3
G8	Fraxinus excelsior, Quercus robur, Crataegus monogyna, Prunus avium, Corylus avellana Common Ash, Pedunculate Oak, Common Hawthorn, Wild Cherry, Common Hazel	15.0	See plan				Up to 0.5	-	0.00	-	EM	Good	Good	Roadside plantation on embankment. Some better Oak/Ash and Field Maple to 0.5Ø .	+ 30	B2/3

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G9	Corylus avellana, Cornus sanguinea, Acer campestre, Quercus robur, Crataegus monogyna, Salix caprea, Common Hazel, Common Dogwood, Field Maple, Pedunculate Oak, Common Hawthorn, Goat Willow,	+8	See plan				Up to 0.3	-	0.00	-	M	Good	Good	Varied hedge/thicket beside park. Some aged Thorn, Maple.	+ 40	B2/3
G10	Quercus robur, Salix fragilis Pedunculate Oak, Crack Willow	+20	See plan				Up to 1.0	1.00	+2	-	M	Good	Good	Lakeside maiden trees, significant individual Oaks, some to veteran proportion.	+ 40	A2/3
G11	Fraxinus excelsior, Prunus cerasifera, Crataegus monogyna Common Ash, Myrobalan Plum, Common Hawthorn	4.0	See plan				Up to 0.15	-	0.00	-	EM	Fair/Good	Fair/Good	Narrower, roadside embankment. Thicket form, becoming scrubby westward.	+ 20	C2/3
G12	Ulex europaeus, Betula pendula, Salix caprea Gorse, Silver Birch, Goat Willow	3.0	See plan				<0.1	-	0.00	-	Y	Fair	Good	Thicket/scrub, Gorse dominant.	+ 20	C3
G13	Fraxinus excelsior, Betula pendula, Crataegus monogyna, Quercus robur Common Ash, Silver Birch, Common Hawthorn, Pedunculate Oak	10.0	See plan				Up to 0.4	-	0.00	-	M	Good/Fair	Good	Broad hedge/thicket between paths. Some better Birch/Ash maidens.	+ 30	B2/3
G14	Ulmus procera English Elm	8.0	See plan				Up to 0.3	Var	0.00	-	OM	Poor	Poor	Patch of Elm, beside road. Dutch Elm disease causing death/decline.	<5	U
G15	Salix caprea, Crataegus monogyna, Acer pseudoplatanus, Quercus robur, Acer campestre, Salix fragilis Goat Willow, Common Hawthorn, Sycamore, Pedunculate Oak, Field Maple, Crack Willow	20.0	See plan				Up to 0.6	Var	0.00	-	M	Good	Good	Mixed copse, following stream. Some better individual Oak, Field Maple, Ash.	+ 40	A2/3
G16	Acer pseudoplatanus, Salix fragilis, Fraxinus excelsior, Salix caprea Sycamore, Crack Willow, Common Ash, Goat Willow	12.0	See plan				Up to 0.3	-	0.00	-	EM	Good	Good	Roadside copse, common with G15, albeit few individuals of merit. Dense.	+ 40	B2/3

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G17	Salix caprea, Crataegus monogyna, Fraxinus excelsior, Acer pseudoplatanus Goat Willow, Common Hawthorn, Common Ash, Sycamore	Ave 8	See plan				Up to 0.4	-	0.00	-	EM	Good/Fair	Good	Patchy coppice, Willow dominant. Some collapsed/lapsed.	+ 30	B2/3
G18	Alnus glutinosa, Corylus avellana, Ilex aquifolium, Acer pseudoplatanus Common Alder, Common Hazel, Common Holly, Sycamore	4.0	See plan				Up to 0.2	-	-	-	EM	Fair	Good	Patchy understory, coppice.	+ 20	C3
G19	Prunus laurocerasus Cherry Laurel	4.0	See plan				<0.1	Var	-	-	M	Fair/Good	Good	Laurel thicket.	+ 20	C2
G20	Chamaecyparis lawsoniana Lawson Cypress	Up to 15	See plan				Up to 0.4	1.00	2.00	-	M	Fair	Fair	Unremarkable.	+ 20	C2
G21	3 Pinus sylvestris Scots Pine	Up to 9	See plan				0.25	1.00	2.00	N	EM	Good	Good/Fair	Trio of close Pine, northern tree contorted.	+ 20	C2
G22	Fraxinus excelsior, Sambucus nigra, Crataegus monogyna Common Ash, Elder, Common Hawthorn	20.0	See plan				Up to 0.6	1.00	-	-	EM	Good	Fair/Good	Large stand of Ash, some understory. Ash dieback a future concern.	+ 10	B2
G23	Alnus glutinosa, Fraxinus excelsior, Salix fragilis Common Alder, Common Ash, Crack Willow	Up to 20	See plan				Up to 0.7	1.00	+2	-	M	Good	Good	Group of maiden Ash, Alder and multi-stem Willow. Some Willow lapsed over river channel.	+ 20	A2
G24	Fraxinus excelsior, Prunus avium, Acer campestre, Acer platanoides, Aesculus hippocastanum, Acer pseudoplatanus Common Ash, Wild Cherry, Field Maple, Norway Maple, Horse Chestnut, Sycamore	Up to 20	See plan				Up to 0.7	-	-	-	M	Good/Fair	Good/Fair	Even aged, mixed plantation. Open stand, some Ash and Maple with individual stature. Some standing dead trees. Embankment to rear of car park either side of path. Ash dieback present.	+ 40	A2/3
G25	Chamaecyparis lawsoniana Lawson Cypress	12.0	See plan				Up to 0.6	Var	-	-	M	Fair	Fair/Good	Group on bank, fallen trees, all lack vigour.	<10	U
G26	Cornus sanguinea, Pinus sylvestris, Alnus glutinosa Common Dogwood, Scots Pine, Common Alder	12.0	See plan				Est 0.2	-	0.00	-	EM	Good	Good	Young, narrow plantation.	+ 20	B2

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Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (m)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
G27	Fraxinus excelsior, Prunus avium, Acer platanoides, Salix caprea, Sambucus nigra Common Ash, Wild Cherry, Norway Maple, Goat Willow, Elder	+15	See plan				Up to 0.4	Var	-	-	EM	Good	Good	Mixed plantation, Ash dominant. Some standing dead trees. Ash dieback present. Immature stand.	+ 40	A2/3
G28	Pinus sylvestris, Acer campestre, Fraxinus excelsior, Betula pendula, Alnus glutinosa Scots Pine, Field Maple, Common Ash, Silver Birch, Common Alder	Up to 12	See plan				Up to 0.5	Var	-	-	EM	Fair/Good	Good	Mixed plantation, some fallen Maple. Open character.	+ 40	B2/3
G29	Acer campestre, Pinus sylvestris, Robinia pseudoacacia, Betula pendula, Quercus robur, Prunus avium Field Maple, Scots Pine, False Acacia, Silver Birch, Pedunculate Oak, Wild Cherry	Up to 12	See plan				Up to 0.5	Var	-	-	EM	Fair/Good	Good	Mixed plantation, some failed Ash. Dense. Some poor quality Robinia.	+ 40	B2/3
G30	Corylus avellana, Prunus avium, Acer campestre, Acer platanoides, Betula pendula Common Hazel, Wild Cherry, Field Maple, Norway Maple, Silver Birch	10.0	See plan				Up to 0.2	-	-	-	EM	Good	Good	Mixed tree planting with shrub understory.	+ 40	B2
G30a	Prunus avium, Betula pendula, Fraxinus excelsior, Acer platanoides, Acer pseudoplatanus, Crataegus monogyna Wild Cherry, Silver Birch, Common Ash, Norway Maple, Sycamore, Common Hawthorn	10.0	See plan				Up to 0.3	1.00	-	-	EM	Good	Good	Dense understory, plantation. Ash dieback. Open treed character. Some larger Ash/Maple.	+ 40	B2
G31	Crataegus monogyna, Fraxinus excelsior, Acer campestre, Prunus padus Common Hawthorn, Common Ash, Field Maple, Bird Cherry	5.0	See plan				<0.15	Var	0.00	-	Y	Fair/Good	Good	Central reservation. Regen/pioneer thicket.	+ 20	C3
G31a	Quercus robur, Acer platanoides, Prunus avium, Fraxinus excelsior, Crataegus monogyna Pedunculate Oak, Norway Maple, Wild Cherry, Common Ash, Common Hawthorn	15.0	See plan				Up to 0.6	Var	0.00	-	EM	Good	Good	Roadside embankment, thicket. Better Oak and Maple.	+ 40	B2/3

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Tree Survey Schedule

**Site** Gatwick Airport: Surface Access project  
**Project schedule ref:** JSL3287\_750  
**Drawing reference:** JSL3287\_700 to 714  
**Survey date:** 16.05.2022 / 24.05.2022 / 14.06.22 / 16.06.22 / 30.06.22

**Surveyor:** D. Cox

**Status:**

**Revision:** .

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Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (m)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
G32	Crataegus monogyna, Rosa canina Common Hawthorn, Dog Rose	3.0	See plan				<0.1	Var	0.00	-	Y	Good	Good	Low, dense thicket. Lacks any maiden trees.	+ 30	C3
G33	Fraxinus excelsior, Acer platanoides, Prunus avium, Crataegus monogyna, Cornus sanguinea, Quercus robur Common Ash, Norway Maple, Wild Cherry, Common Hawthorn, Common Dogwood, Pedunculate Oak	Up to 15	See plan				Up to 0.4	Var	-	-	EM	Good	Good	Roadside embankment plantation, some larger Ash, Maple.	+ 30	B2
G34	Fraxinus excelsior, Acer campestre, Acer pseudoplatanus, Crataegus monogyna Common Ash, Field Maple, Sycamore, Common Hawthorn	+10	See plan				Up to 0.3	Var	0.00	-	EM	Good/Fair	Fair/Good	Embankment plantation, Ash dominant, sparse in places. Ash dieback rife.	+ 20	B2
G35	Acer campestre, Fraxinus excelsior, Acer pseudoplatanus, Alnus glutinosa, Salix caprea, Crataegus monogyna Field Maple, Common Ash, Sycamore, Common Alder, Goat Willow, Common Hawthorn	+15	See plan				Up to 0.6	var	0.00	-	M	Good/Fair	Good/Fair	Bankside vegetation, up to ditch/toe of bank. Better/more mature Maple, Ash. Some Field Maple up to 0.5Ø. Ash dieback rife.	+ 40	A2
G36	Acer pseudoplatanus, Fraxinus excelsior, Crataegus monogyna, Ulmus procera Sycamore, Common Ash, Common Hawthorn, English Elm	+12	See plan				Up to 0.4	Var	0.00	-	M	Good/Fair	Fair/Good	Roadside thicket, some standing dead Elm. Some larger Ash.	+ 40	B2
G37	Corylus avellana, Acer pseudoplatanus Common Hazel, Sycamore	8.0	See plan				>0.2	Var	0.00	-	M	Fair/Good	Good/Fair	Small pocket of thicket, hazel coppice.	+ 30	C2
G37a	Fraxinus excelsior, Acer campestre, Tilia sp, Corylus avellana, Acer platanoides, Common Ash, Field Maple, Lime sp, Common Hazel, Norway Maple,	+18	See plan				Up to 0.5	1.00	-	-	EM	Good/Fair	Good	Series of maiden trees, some Hazel understory. Better Lime, Field Maple and Ash. Group value bar Ash.	+ 40	A2

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**Surveyor:** D. Cox

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			N	E	S	W										
G38	Corylus avellana, Acer platanoides, Crataegus monogyna, Quercus robur, Salix caprea, Prunus avium, Carpinus betulus, Acer campestre, Sambucus nigra Common Hazel, Norway Maple, Common Hawthorn, Pedunculate Oak, Goat Willow, Wild Cherry, Hornbeam, Field Maple, Elder	+12	See plan				Up to 0.3	Var	-	-	EM	Good	Good	Mixed group, dense in placed. Some ground flora interest.	+ 40	A2/3
G39	Acer campestre, Prunus avium, Fraxinus excelsior, Quercus robur Field Maple, Wild Cherry, Common Ash, Pedunculate Oak	15.0	See plan				Up to 0.35	var	-	-	EM	Good	Good	Plantation on road island, mounded. Ash dieback.	+ 40	B2
G40	Fraxinus excelsior, Acer platanoides, Acer campestre, Crataegus monogyna Common Ash, Norway Maple, Field Maple, Common Hawthorn	Ave 12	See plan				Up to 0.2	var	-	-	EM	Good/Fair	Good/Fair	Road embankment plantation, broad, lacking larger specimens. Dead standing Ash in place.	+ 30	B2
G41	Fraxinus excelsior, Quercus robur, Crataegus monogyna, Acer pseudoplatanus, Acer platanoides, Acer campestre, Chamaecyparis lawsoniana, Pinus sylvestris Common Ash, Pedunculate Oak, Common Hawthorn, Sycamore, Norway Maple, Field Maple, Lawson Cypress, Scots Pine	Ave 15	See plan				Up to 0.6	var	-	-	M	Good/Fair	Good/Fair	More mature plantation to southerly slope of 'valley'. Also on level land beside car park. Better Oak, Maple, Pine to 0.6Ø.	+ 40	A2
G42	Acer pseudoplatanus, Acer platanoides, Salix caprea, Sycamore, Norway Maple, Goat Willow	7.0	See plan				<0.3	Var	0.00	-	EM	Good/Fair	Good	Road/ditch side thicket. Unremarkable.	+ 40	C2
G43	Acer pseudoplatanus, Quercus robur, Pinus sylvestris, Tilia sp, Fraxinus excelsior, Ulmus procera Sycamore, Pedunculate Oak, Scots Pine, Lime sp, Common Ash, English Elm	+15	See plan				Up to 0.5	var	0.00	-	M	Good	Good	Roadside tree belt, gallows ditch. Dense, some better Pine and Oak.	+ 40	A2
G44	Acer pseudoplatanus, Quercus robur, Crataegus monogyna, Salix caprea, Fraxinus excelsior Sycamore, Pedunculate Oak, Common Hawthorn, Goat Willow, Common Ash	+8	See plan				Up to 0.4	Var	0.00	-	M	Good	Good	Treed margin between footpath and track, some better Oak.	+ 40	B2/3
G45	Quercus robur, Crataegus monogyna, Acer platanoides Pedunculate Oak, Common Hawthorn, Norway Maple	3.0	See plan				<0.15	1.00	-	-	Y	Good	Good	Sparse tree cover, mostly grass/ruderal vegetation. Young saplings.	+ 20	C2

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G46	Fraxinus excelsior Common Ash	+18	See plan				Est 0.6	-	-	-	M	Good	Good	Mature Ash, field boundary.	+ 10	A2
G47	Salix caprea, Quercus robur, Fraxinus excelsior Goat Willow, Pedunculate Oak, Common Ash	6.0	See plan				<0.15	-	-	-	Y	Good	Good	Young embankment regeneration, set on lower bank adjacent to ditch.	+ 30	C2/3
G48	Quercus robur, Crataegus monogyna Pedunculate Oak, Common Hawthorn	+15	See plan				Up to 0.8	Var	2.00	-	M	Good	Good	Superb, linear group of Oak, following northern side of footpath, various trees with patchy Hawthorn understory.	+ 40	A2/3
G49	Quercus robur, Prunus spinosa, Crataegus monogyna Pedunculate Oak, Blackthorn, Common Hawthorn	+16	See plan				Up to 0.9	Var	-	-	M	Good	Good	Superb linear copse of Oak, occasional tree closer to main road. Patchy understory. Follows footpath to north in the main.	+ 40	A2/3
G50	2 Fraxinus excelsior, 4 Chamaecyparis lawsoniana Common Ash, Lawson Cypress	Ave 7	2.0	2.0	2.0	2.0	Ave 0.15	1.00	0.00	-	EM	Fair	Fair	Unremarkable Conifers and two young Ash.	+ 10	C2
G51	2 Thuja plicata, 1 Chamaecyparis lawsoniana Western Red Cedar, Lawson Cypress	Ave 8	4.0	4.0	4.0	4.0	Ave 0.4	1.00	1.00	-	EM	Good	Fair	Garden boundary trees, group value.	+ 20	C2
G52	Fraxinus excelsior, Quercus robur, Ulmus procera, Corylus avellana, Sambucus nigra, Crataegus monogyna Common Ash, Pedunculate Oak, English Elm, Common Hazel, Elder, Common Hawthorn	4.0	See plan				Up to 0.8	Var	0.00	-	M	Good/Fair	Good/Fair	Wide tree belt, dense understory. Some dead Elm. Significant Ash and Oak.	+ 40	A2/3
G53	Fraxinus excelsior, Salix caprea, Crataegus monogyna, Populus sp. Common Ash, Goat Willow, Common Hawthorn, Poplar sp.	Up to 25	See plan				Up to 0.6 (Poplar 1.0)	Var	0.00	-	M	Good	Good	Ash stand, with dense understory of Willow. Single, large Poplar. Ash dominant.	<10	A2/3
G54	Crataegus monogyna, Salix caprea, Salix fragilis Common Hawthorn, Goat Willow, Crack Willow	2.0	See plan				<0.2	Var	-	-	EM	Fair	Good	Scrubby, riverside thicket.	+ 20	C3
G55	Acer pseudoplatanus Sycamore	8.0	See plan				Ave 0.15	Var	-	-	Y	Fair	Fair	Scrappy Sycamore, recent wholesale Ash removal leaving stand gappy, and sparce.	+ 20	C2
G56	Crataegus monogyna Common Hawthorn	5.0	See plan				Est 0.2	Var	0.00	-	M	Good	Good	Broad, hedgerow/thorn thicket.	+ 40	B2/3

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			N	E	S	W										
G57	Prunus spinosa, Salix fragilis, Fraxinus excelsior Blackthorn, Crack Willow, Common Ash	Up to 10	See plan				Est 0.2	Var	0.00	-	EM	Fair	Fair	Riverside thicket, varied quality. Himalayan Balsam.	+ 20	B3
G58	Fraxinus excelsior, Acer campestre, Acer pseudoplatanus, Carpinus betulus, Sorbus aria, Quercus robur, Acer platanoides, Pinus sylvestris Common Ash, Field Maple, Sycamore, Hornbeam, Whitebeam, Pedunculate Oak, Norway Maple, Scots Pine	Ave 9	See plan				Up to 0.3	Var	0.00	-	EM	Good/Fair	Good	Dense plantation copse, on embankment between car park and river. Dense understory of strawberry.	+ 40	A2/3
G59	Carpinus betulus, Prunus avium Hornbeam, Wild Cherry	7.0	Ave 4	Ave 4	Ave 4	Ave 4	Ave 0.3	1.00	0.00	-	Y	Good	Good	Avenue of mostly Hornbeam, roadside presence. Good potential.	+ 40	A2
G60	3 Tilia cordata Small-leaved Lime	5.0	3.0	3.0	3.0	3.0	Ave 0.2	1.00	0.00	-	Y	Good	Good	Trio of young Lime.	+ 30	C2
G61	Crataegus monogyna, Acer campestre Common Hawthorn, Field Maple	7.0	See plan				Up to 0.4	1.00	2.00	-	EM	Good	Good	Field Maple stand, group value.	+ 40	B2
G62	Fraxinus angustifolia, Fraxinus excelsior, Acer platanoides, Prunus avium, Prunus lusitanica, Crataegus monogyna Narrow leaved Ash, Common Ash, Norway Maple, Wild Cherry, Portuguese Laurel, Common Hawthorn	18.0	See plan				Up to 0.7	Var	0.00	-	EM	Good	Good	Recessive group, Maple and Ash over dense shrubbery. Some better Maple, few included unions. Ash currently vigorous.	+ 20	B2
G63	3 Acer platanoides Norway Maple	8.0	See plan				Ave 0.3	1.00	2.50	-	EM	Good	Good	Trio of attractive Maple.	+ 40	B2
G64	6 Fraxinus angustifolia Narrow leaved Ash	8.0	See plan				Ave 0.35	1.00	2.00	-	EM	Good/Fair	Good	Group of attractive Ash, current good vigour.	<10	C2
G65	Prunus avium, Salix caprea, Prunus sp., Betula utilis Wild Cherry, Goat Willow, Prunus sp., Himalayan Birch	4.0	See plan				Up to 0.3	1.00	1.50	-	Y	Good/Fair	Good/Fair	Individual parkland trees, immature, individually unremarkable.	+ 30	C2

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G66	Betula pendula, Prunus avium, Tilia x euchlora, Ligustrum lucidum "variegata" Silver Birch, Wild Cherry, Crimean Lime, Chinese Privet	5.0	See plan				Up to 0.15	Var	-	-	Y	Good	Good	Young, landscape planting.	+ 20	C2
G67	Tilia sp., Fraxinus excelsior, Carpinus betulus, Acer campestre, Ulmus procera, Prunus avium, Acer platanoides Lime sp., Common Ash, Hornbeam, Field Maple, English Elm, Wild Cherry, Norway Maple	7.0	See plan				0.20	1.00	2.00	-	Y	Good	Good	Young tree group, collective merit. Some better/larger Maple, toward aerial rail.	+ 30	B2
G68	Fraxinus excelsior, Acer campestre, Corylus avellana, Sambucus nigra, Crataegus monogyna, Salix caprea, Acer platanoides, Prunus avium, Alnus cordata Common Ash, Field Maple, Common Hazel, Elder, Common Hawthorn, Goat Willow, Norway Maple, Wild Cherry, Italian Alder	Up to 10	See plan				Up to 0.6	-	-	-	M	Fair/Good	Good	Dense thicket between road, path, river and aerial rail. Larger Ash and Alder at the river edge. Habitat value in the main. Occasional fine Field Maple.	+ 40	A3
G69	Acer pseudoplatanus, Crataegus monogyna Sycamore, Common Hawthorn	16.0	See plan				Up to 0.70	Var	0.00	-	M	Good	Good	Sycamore group, Ivy clad. Dense understory thicket. Multistem forms.	+ 40	A2
G70	Acer platanoides, Acer pseudoplatanus, Salix caprea, Crataegus monogyna, Fraxinus excelsior, Acer campestre Norway Maple, Sycamore, Goat Willow, Common Hawthorn, Common Ash, Field Maple	15.0	See plan				Up to 0.6	Var	0.00	-	M	Fair/Good	Good	Linear, roadside group. Ivy clad. Some better Maple and Ash.	+ 40	A2
G71	Various conifers and shrubs	4.0	See plan				<0.20	Var	0.00	-	M	Good	Good	Mature shrubbery.	+ 20	C2
G72	8 Carpinus betulus, 3 Prunus avium Hornbeam, Wild Cherry	7.0	See plan				Ave 0.25	1.00	1.50	-	EM	Good	Good	Close group, collective value. Self suppressing.	+ 40	B2
G73	3 Tilia x euchlora, 3 Prunus avium Crimean Lime, Wild Cherry	8.0	See plan				Up to 0.60	1.00	1.50	-	EM	Good	Good	Close group. Cherry of some scale.	+ 40	B2
G74	7 Aesculus hippocastanum, 1 Quercus rubra, 2 Carpinus betulus, 4 Tilia tomentosa Horse Chestnut, Red Oak, Hornbeam, Silver Lime	8.0	See plan				Up to 0.60	1.00	1.50	-	EM	Good	Good	Close group, collective value. Single Red Oak with potential.	+ 40	B2

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G75	Tilia x euchlora, Prunus avium, Pyrus calleryana 'Chanticleer' Acer campestre, Fraxinus excelsior, Fraxinus angustifolia Crimean Lime, Wild Cherry, Chanticleer's Pear, Field Maple, Common Ash, Narrow-leaved Ash	Ave 4	See plan				Ave 0.20	1.00	Var	-	Y	Good/Fair	Good	Various, immature landscape plantings. Mixed species and quality. Sc	+ 30	B2
G75 A	Alnus glutinosa, Salix fragilis, Acer pseudoplatanus, Betula pendula Common Alder, Crack Willow, Sycamore, Silver Birch	5.0	See plan				<0.20	Var	0.00	-	EM	Good	Good	Pond edge thicket, Alder dominant in areas. Some larger Willow.	+ 30	B2/3
G76	Fraxinus angustifolia Narrow-leaved Ash	12.0	6.0	6	6	6	Ave 0.50	1.00	1.00	-	M	Good	Good	Trio of close Ash.	<10	B2
G76 A	Acer pseudoplatanus, Betula pendula, Salix caprea, Fraxinus excelsior, Crataegus monogyna, Prunus avium, Acer campestre, Prunus cerasifera, Quercus robur Sycamore, Silver Birch, Goat Willow, Common Ash, Common Hawthorn, Wild Cherry, Field Maple, Myrobalan Plum, Pedunculate Oak	Up to 12	See plan				Up to 0.40	Var	0.00	-	EM	Good/Fair	Good	Roadside plantation, mixed, some decline in Ash. Patchy cover. Group value only.	+ 20	A2
G77	Acer platanoides, Acer pseudoplatanus, Fraxinus excelsior, Fraxinus angustifolia, Pinus nigra, Alnus glutinosa, Carpinus betulus Norway Maple, Sycamore, Common Ash, Narrow-leaved Ash, Austrian Pine, Common Alder, Hornbeam	5.0	See plan				Up to 0.30	1.00	1.50	-	Y	Fair/Good	Fair/Good	Immature landscape plantings, mostly Norway Maple.	+ 20	C2
G77 A	Pinus nigra, Tilia sp., Quercus robur, Acer platanoides Austrian Pine, Lime, Pedunculate Oak, Norway Maple	Up to 20	See plan				Est 0.70	Var	0.00	-	M	Good	Good	Linear parkland group. Some fine Pine.	+ 40	A2
G78	Acer pseudoplatanus, Pinus nigra, Crataegus monogyna, Malus sp., Alnus cordata sycamore, Austrian Pine, Common Hawthorn, Apple, Common Alder	Up to 7	See plan				Up to 0.40	Var	0.00	-	EM	Fair/Good	Good	Mixed group, few better Alder.	+ 30	C2

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G79	Crataegus monogyna, Prunus spinosa, Fraxinus excelsior, Salix caprea, Quercus robur Common Hawthorn, Blackthorn, Common Ash, Goat Willow, Pedunculate Oak	5.0	See plan				Up to 0.30	Var	0.00	-	M	Fair/Good	Good	Patchy thicket between railway and field, sparse. Single fine Oak (A2) and Sycamore (A2).	+ 20	C3
G78 A	Fraxinus excelsior, Prunus spinosa, Crataegus monogyna, Quercus robur, Salix caprea Common Ash, Blackthorn, Common Hawthorn, Pedunculate Oak, Goat Willow	8.0	See plan				<0.2	Var	-	-	Y	Fair/Good	Fair	Roadside plantation, Ash dominant.	+ 20	C2/3
G79 A	Quercus robur, Crataegus monogyna, Malus sylvestris, Fraxinus excelsior Pedunculate Oak, Common Hawthorn, Wild Apple, Common Ash	Up to 12	See plan				Up to 0.7	Var	-	-	M	Good	Good	Field hedge, wide, significant individual Oak, Ash.	+ 40	A2/3
G80	Quercus robur, Fraxinus excelsior, Prunus spinosa, Crataegus monogyna, Salix caprea Pedunculate Oak, Common Ash, Blackthorn, Common Hawthorn, Goat Willow	7.0	See plan				Up to 0.5	Var	-	-	M	Good	Good	Wide hedge/tree belt. Some Oak with promise.	+ 40	B2
G81	Fraxinus excelsior, Crataegus monogyna, Alnus glutinosa, Corylus avellana, Quercus robur, Betula pendula Common Ash, Common Hawthorn, Common Alder, Common Hazel, Pedunculate Oak, Silver Birch	10.0	See plan				Up to 0.25	Var	-	-	Y	Fair/Good	Fair/Good	Mixed, rough roadside plantation. Sloping embankment. Ash suffering from Ash dieback. Collective value/habitat.	+ 20	B2/3
G82#	Populus sp., Alnus cordata Poplar sp, Italian Alder	+15	See plan				Est 0.4	1.00	+2	-	EM	Good	Good	M23 roundabout parkland trees. Unable to access. Strategic amenity value. Poplar with skyline amenity.	+ 20	A2/B2
G83	Quercus robur, Fraxinus excelsior, Prunus spinosa, Crataegus monogyna Pedunculate Oak, Common Ash, Blackthorn, Common Hawthorn	Up to 15	See plan				Up to 0.6	Var	-	-	M	Good/Fair	Good	Roadside group, at toe of embankment. Individual Oak with merit.	+ 40	B2 (A2)

Note: This survey is based on a brief visual inspection from the ground.  
 It is not intended as a full arboricultural inspection.  
 # - Indicates estimated tree. \* - Indicates off site tree.



**Tree Survey Schedule**

**Site** Gatwick Airport: Surface Access project  
**Project schedule ref:** JSL3287\_750  
**Drawing reference:** JSL3287\_700 to 714  
**Survey date:** 16.05.2022 / 24.05.2022 / 14.06.22 / 16.06.22 / 30.06.22

**Surveyor:** D. Cox  
**Status:**  
**Revision:** .  
**Notes:** The location of most individual trees have been estimated on site.



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (m)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
G84	Quercus robur, Salix fragilis, Salix caprea Pedunculate Oak, Crack Willow, Goat Willow	6.0	See plan				Up to 0.3	Var	-	-	EM	Good	Good	Intermediate tree, young to early mature, Oak dominant.	+ 40	B2
G85	Quercus robur, Ilex aquifolium, Crataegus monogyna Pedunculate Oak, Common Holly, Common Hawthorn	8.0	See plan				Up to 0.8	Var	-	-	M	Good/Fair	Good	Linear Oak group, set on ditch. Tight centres, group value. Has thicket below.	+ 40	A2/3
G86	Salix caprea, Quercus robur, Prunus spinosa, Prunus cerasifera Goat Willow, Pedunculate Oak, Blackthorn, Myrobalan Plum	4.0	See plan				<0.2	Var	-	-	Y	Good	Good	Patchy thicket, young Oak.	+ 40	C3
G87	Crataegus monogyna, Thuja plicata, Salix caprea Common Hawthorn, Western Red Cedar, Goat Willow	4.0	See plan				<0.2	-	-	-	EM	Fair	Fair	Patchy Conifer, Thorn and Willow group. Varied condition.	+ 20	C2
G88	Quercus robur, Fraxinus excelsior, Alnus incana, Crataegus monogyna, Salix caprea Pedunculate Oak, Common Ash, Grey Alder, Common Hawthorn, Goat Willow	4.0	See plan				<0.15	-	-	-	EM	Good	Good	Roadside thicket. Broad, young Oak. Habitat value.	+ 40	B2/3
G89	Prunus avium, Crataegus monogyna, Malus sylvestris, Fraxinus excelsior, Prunus spinosa Wild Cherry, Common Hawthorn, Wild Apple, Common Ash, Blackthorn	Ave 7	See plan				<0.3	-	-	-	M	Fair	Good	Dense thicket, some maiden Cherry/Ash. Habitat value, patchy cover.	+ 30	B3
G90	Fraxinus excelsior, Quercus robur, Alnus glutinosa, Prunus spinosa, Acer pseudoplatanus Common Ash, Pedunculate Oak, Common Alder, Blackthorn, Sycamore	Up to 18	See plan				Up to 0.4	1.00	-	-	M	Good	Fair/Good	Roadside group, Ash dominant, Ash dieback present. Few better Oak. Thicket understory.	+ 20	B2/3
H1	Crataegus monogyna, Fraxinus excelsior, Quercus robur Common Hawthorn, Common Ash, Pedunculate Oak	2.0	See plan				<0.2	-	-	-	M	Good	Good	Field side hedge, adjacent ditch.	+ 40	B2/3

Note: This survey is based on a brief visual inspection from the ground.  
 It is not intended as a full arboricultural inspection.  
 # - Indicates estimated tree. \* - Indicates off site tree.



**Tree Survey Schedule**

**Site:** Gatwick Airport: Surface Access project  
**Project schedule ref:** JSL3287\_750  
**Drawing reference:** JSL3287\_700 to 714  
**Survey date:** 16.05.2022 / 24.05.2022 / 14.06.22 / 16.06.22 / 30.06.22

**Surveyor:** D. Cox  
**Status:**  
**Revision:** .  
**Notes:** The location of most individual trees have been estimated on site.



Ref. no.	Species	Height (m)	Crown spread (m)				Stem dia. (m)	Stem no. at 1.5m	Height of crown clearance (m)	Dir/ height	Age class	Structural condition	Physiological condition	General observations Management recommendations	Estimated remaining contribution (years)	Tree Quality Category (BS5837)
			N	E	S	W										
H2	Crataegus monogyna, Quercus robur Common Hawthorn, Pedunculate Oak	3.0	See plan				<0.2	-	-	-	M	Good/Fair	Good	Field hedge, unkempt.	+ 40	B2/3
H3	Crataegus monogyna, Sambucus nigra, Salix caprea Common Hawthorn, Elder, Goat Willow	3.0	See plan				-	-	-	-	M	Good	Good	Mixed, good quality field hedge.	+ 40	B2/3
W1	Quercus robur, Crataegus monogyna, Acer campestre Pedunculate Oak, Common Hawthorn, Field Maple	+20	See plan				Ave 0.6	1.00	1.00	-	M	Good/Fair	Good	Predominantly Oak, limited/patchy mid-storey. Even Aged.	+ 40	A2/3
W2	Quercus robur, Fraxinus excelsior, Crataegus monogyna, Corylus avellana, Salix caprea, Salix fragilis Pedunculate Oak, Common Ash, Common Hawthorn, Common Hazel, Goat Willow, Crack Willow	20.0	See plan				Up to 0.8	Var	0.00	-	M	Good/Fair	Good	Mixed, open copse. Oak, Ash maidens. Ditch follows roadside, includes Oak/Willow to 0.4Ø. Some collapsed/dead trees beside road.	+ 40	A2/3
W3	Aesculus hippocastanum, Fraxinus excelsior, Salix caprea, Alnus glutinosa, Acer pseudoplatanus Horse Chestnut, Common Ash, Goat Willow, Common Alder, Sycamore	20.0	See plan				Up to 0.7	Var	0.00	-	M	Good	Good	Mixed copse, significant Ash, Chestnut, Oak, Alder, coppice Willow. Patches open, bramble dormant.	+ 40	A2/3
W4	Populus sp., Tilia sp., Fraxinus excelsior, Sambucus nigra, Quercus robur, Crataegus monogyna, Betula pendula, Salix caprea Poplar sp, Tilia sp, Common Ash, Elder, Pedunculate Oak, Common Hawthorn, Silver Birch, Goat Willow	+25	See plan				Up to 0.7	Var	-	-	M	Fair/Good	Good	Plantation of Poplar and Lime. Even aged. Poplar nearing over mature. Good Lime. Occasional Oak. Poplar will need management/removal, topped in past already. Lime average 0.4Ø, some better individuals.	+ 30	A2
W5	Acer campestre, Corylus avellana, Acer pseudoplatanus, Fraxinus excelsior, Crataegus monogyna Field Maple, Common Hazel, Sycamore, Common Ash, Common Hawthorn	+18	See plan				Up to 0.6	-	-	-	M	Good	Good/Fair	Small copse, with some aged Field Maple, Hazel, Ash. Small Leaf Privet invasion. Fly tipping. Ash dominant.	+ 40	A2/3

Note: This survey is based on a brief visual inspection from the ground.  
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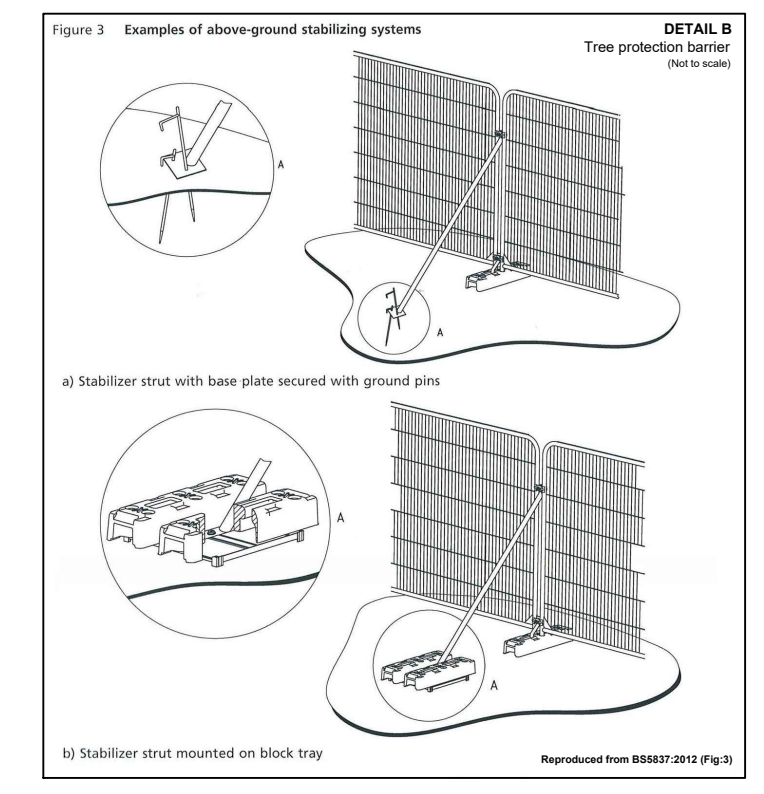
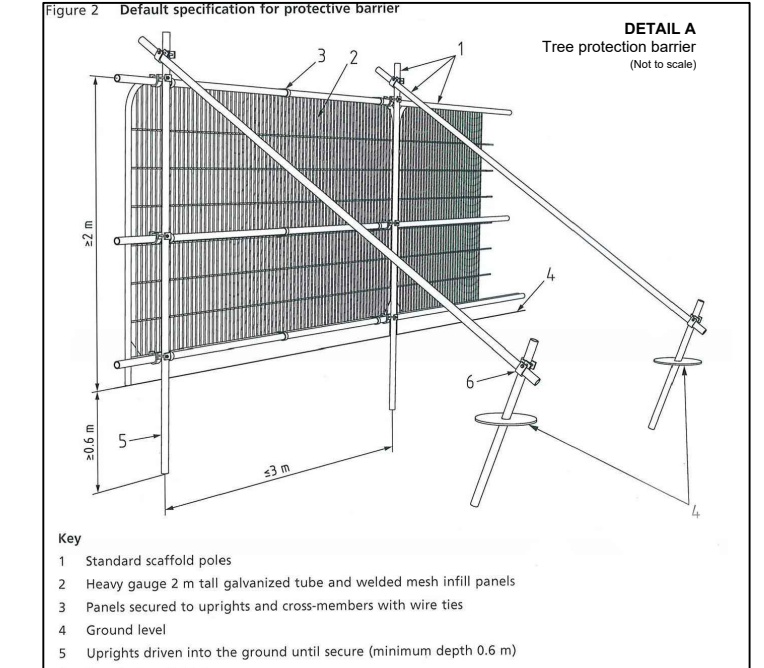




**Legend**

- Site Boundary
  - Indicative temporary protective fence in accordance with Section 6.2. BS5837:2012. See below for example barriers.
  - 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.
- 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

**NOTE:**  
 \* Refer to RPS Tree Survey Report & Schedule for further details.



DOCUMENT

**Environmental Statement**

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DRAWING TITLE  
**Surface Access Tree Removal and Protection Plan**  
 Appendix 8.8.1 Annex 4  
 Overview

DATE  
 July 2023

ORIENTATION 	DRAWING NO. <b>800</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>RC</b>	PM / CHECKED BY <b>DC</b>

SCALE @ A0  
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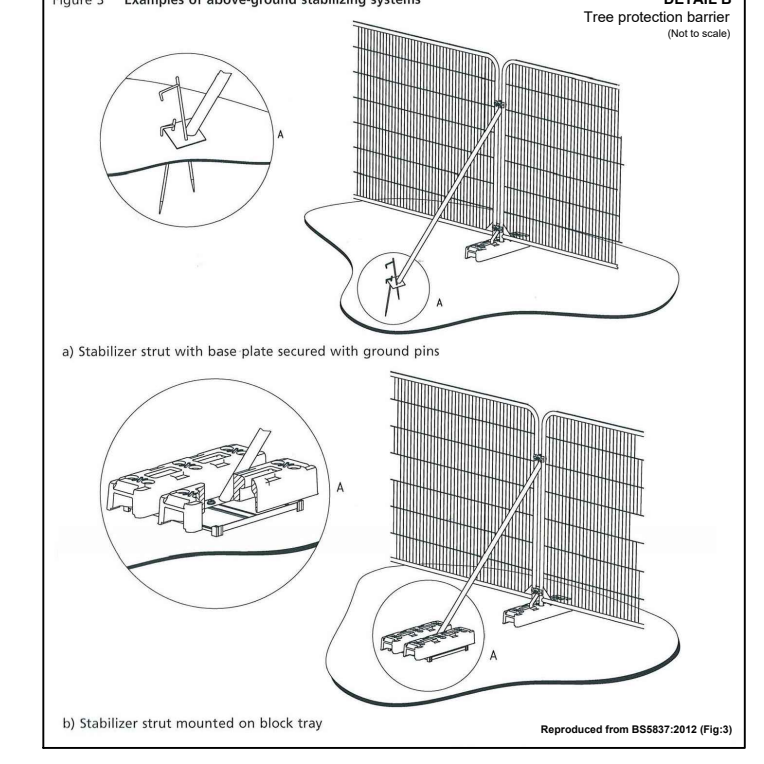
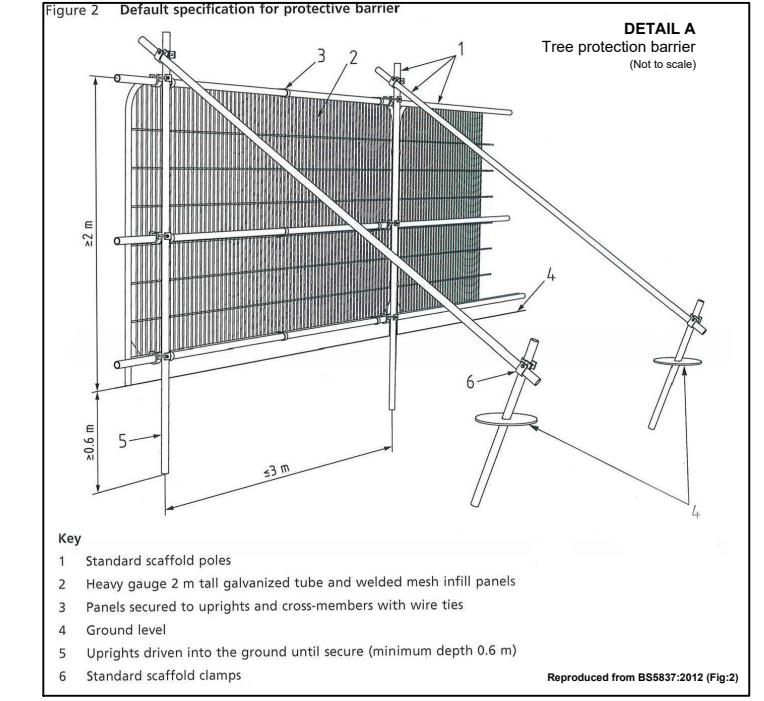




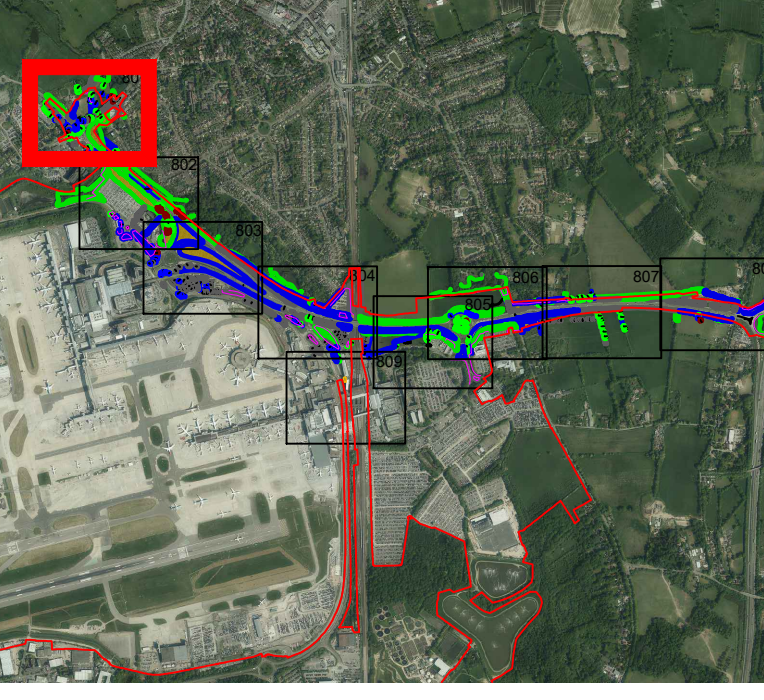
**Legend**

- Site Boundary
  - Indicative temporary protective fence in accordance with Section 6.2. BS5837:2012. See below for example barriers.
  - Tree loss required for construction
  - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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  - Vegetation group with numbered reference. Canopy extents and BS5837:2012 tree quality category as shown below.
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**NOTE:**  
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**Key Plan**



DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Surface Access Tree Removal and Protection Plan**  
 Appendix 8.8.1 Annex 4  
 Sheet 1 of 9

DATE July 2023		
ORIENTATION N	DRAWING NO. 801	REVISION For ES Issue
	DRAWN BY RC	PM / CHECKED BY DC

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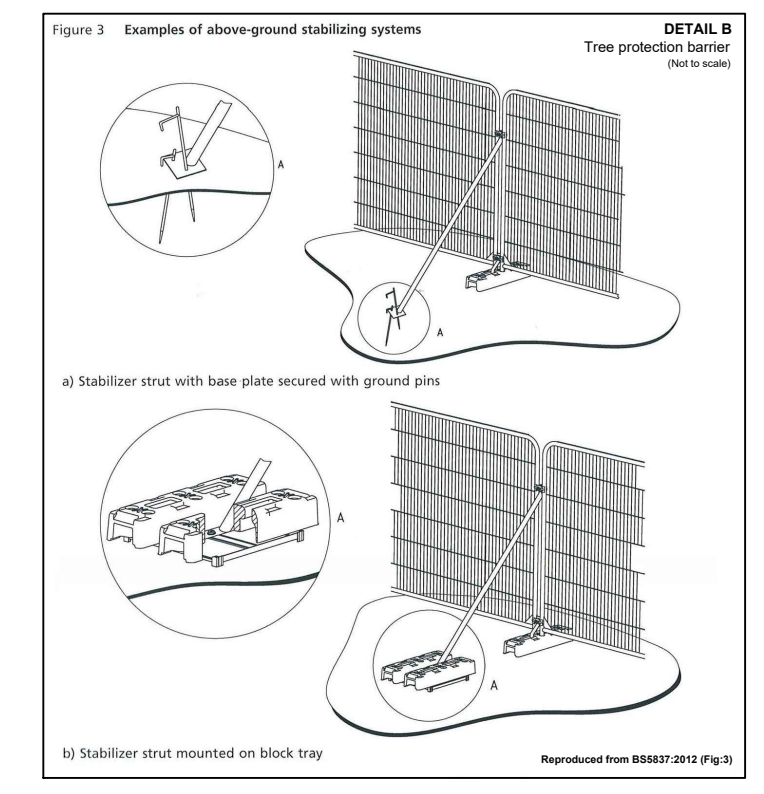
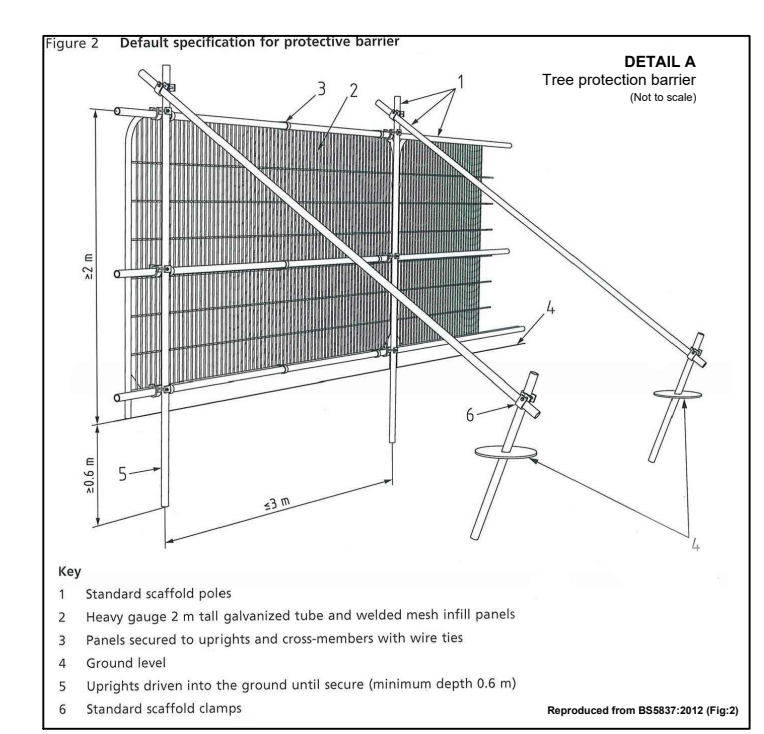




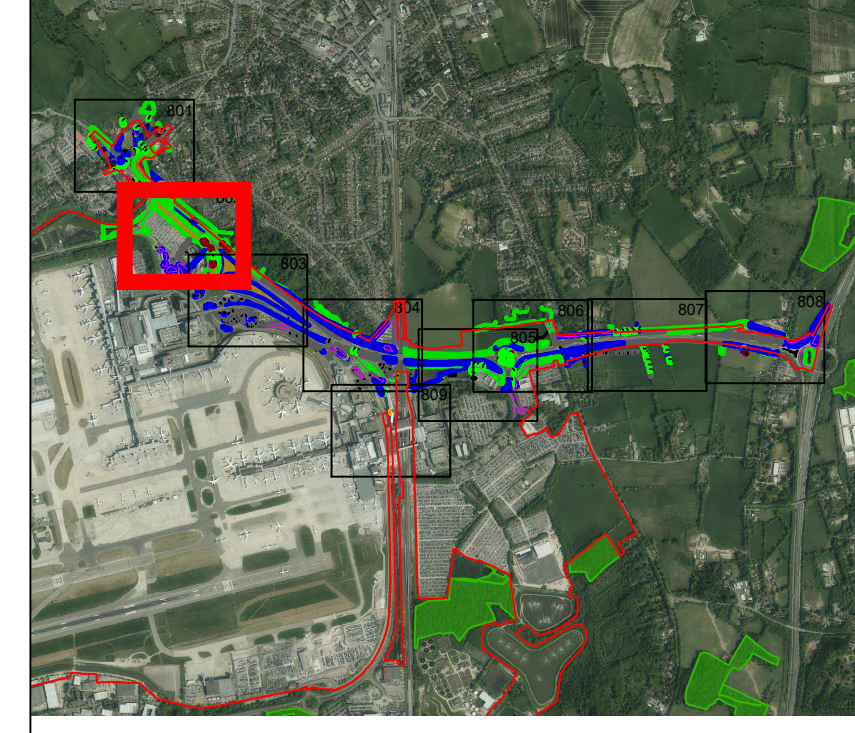
**Legend**

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  - Indicative temporary protective fence in accordance with Section 6.2. BS5837:2012. See below for example barriers.
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  - Tree with numbered reference. Canopy spread and BS5837:2012 tree quality category as shown below.
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**Key Plan**



**DOCUMENT**  
 Environmental Statement

**DRAWING TITLE**  
 Surface Access Tree Removal and Protection Plan  
 Appendix 8.8.1 Annex 4  
 Sheet 2 of 9

**DATE**  
 July 2023

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

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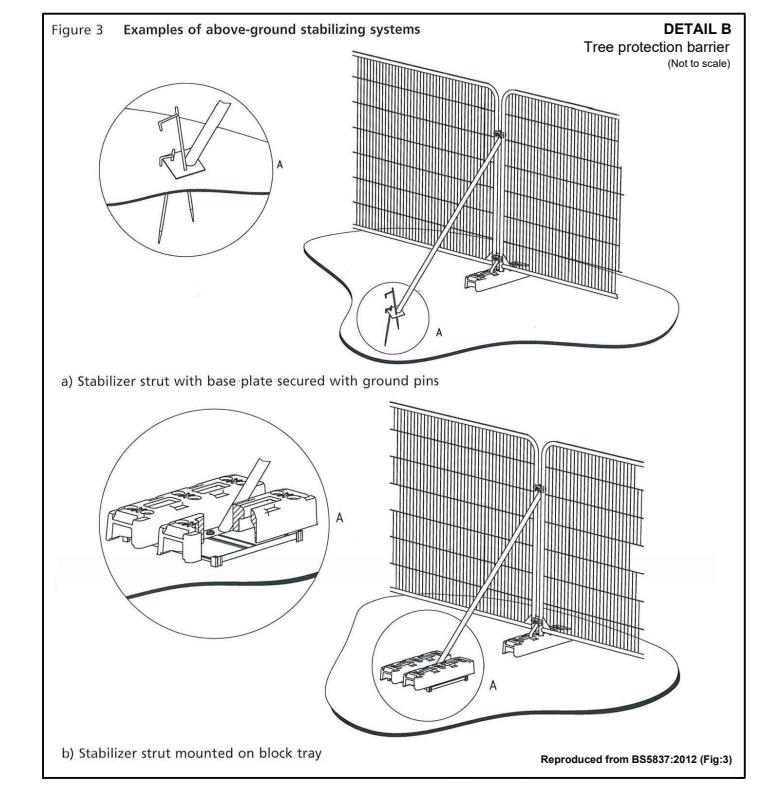
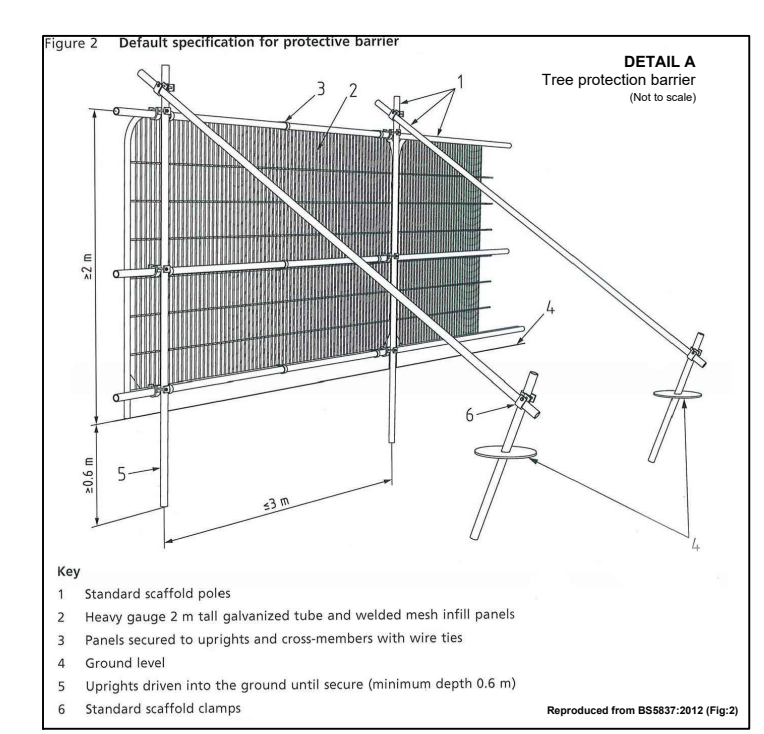




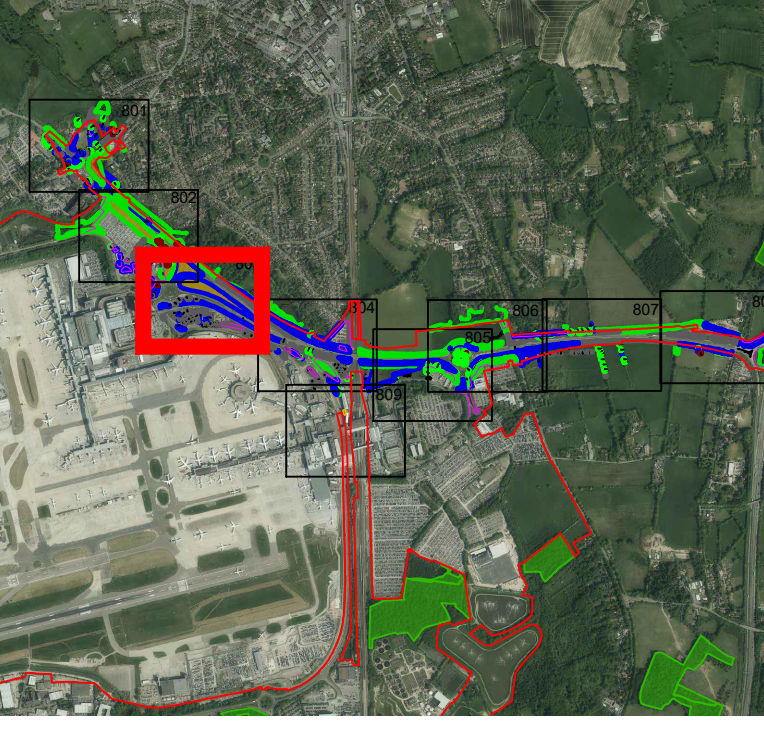
**Legend**

- Site Boundary
  - Indicative temporary protective fence line in accordance with Section 6.2. BS5837:2012. See below for example barriers.
  - 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.
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**Key Plan**



**DOCUMENT**  
 Environmental Statement

**DRAWING TITLE**  
 Surface Access Tree Removal and Protection Plan  
 Appendix 8.8.1 Annex 4  
 Sheet 3 of 9

**DATE**  
 July 2023

<b>ORIENTATION</b> N	<b>DRAWING NO.</b> 803	<b>REVISION</b> For ES Issue
	<b>DRAWN BY</b> RC	<b>PM / CHECKED BY</b> DC

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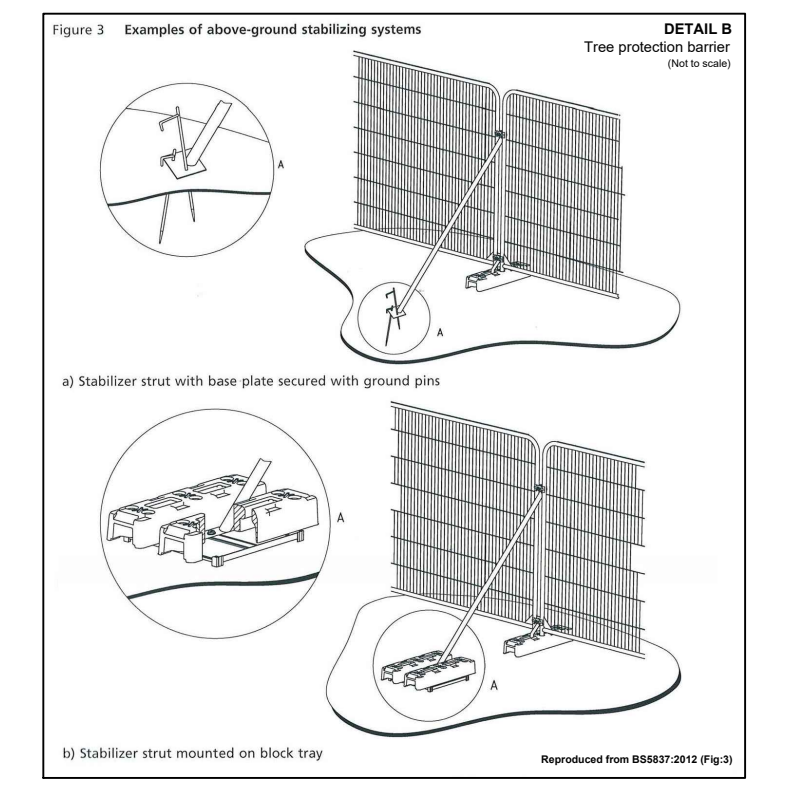
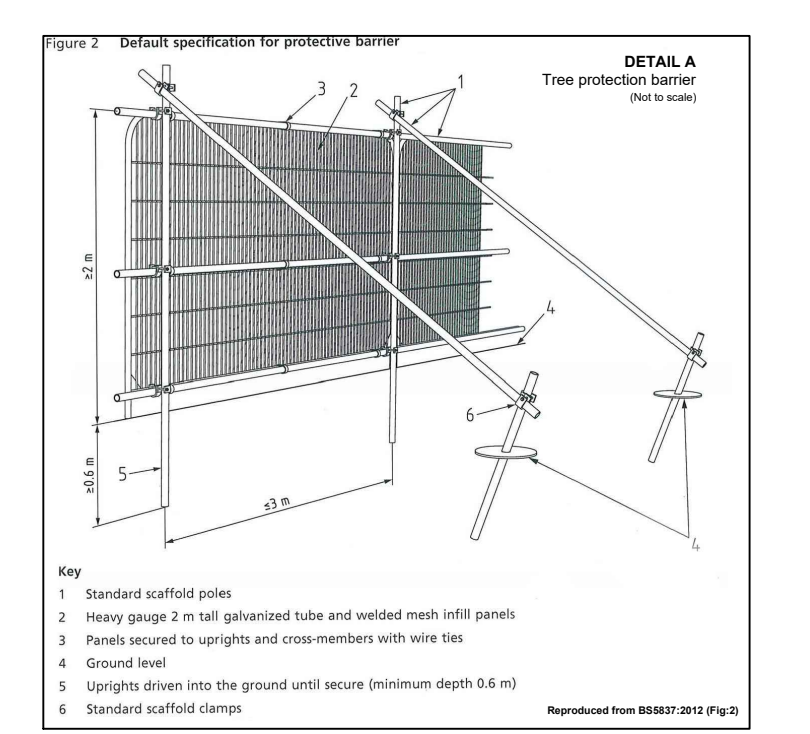




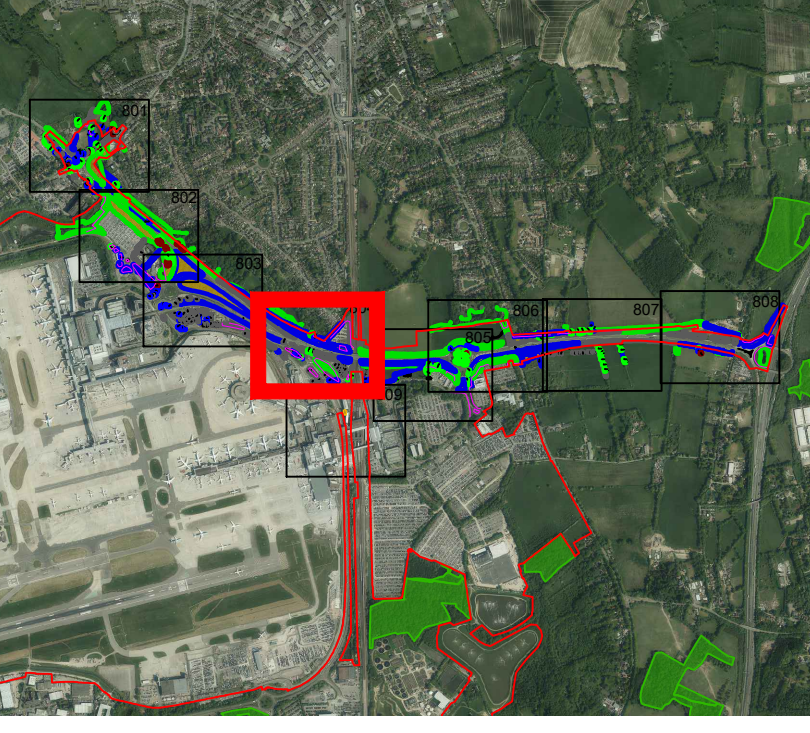
**Legend**

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**NOTE:**  
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**Key Plan**



**Environmental Statement**

**DRAWING TITLE**  
 Surface Access Tree Removal and Protection Plan  
 Appendix 8.8.1 Annex 4  
 Sheet 4 of 9

**DATE**  
 July 2023

ORIENTATION	DRAWING NO.	REVISION
N	804	For ES Issue
	RC	PM / CHECKED BY DC

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