



Rebuttal Proof of Evidence – Arboriculture Drawings and Appendices

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Brislington Meadows, Bristol
PINS Ref. APP/Z0116/W/22/3308537

Prepared for: Homes England

Document Reference: 7507.43.041

January 24th 2023

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Project Name:	Brislington Meadows
Location:	Bristol
Document Title:	Rebuttal Proof of Evidence – Arboriculture – Drawings and Appendices
Client:	Homes England
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Document Ref:	7507.43.041App

Document history and status:

Version	Date	Description of Issue	Author	Checked	Approved
Final	24/1/23	Public Inquiry Issue	TP	FH	TP

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The conclusions and recommendations contained in this document are based upon information gathered by TEP and provided by third parties. Information provided by third parties and referred to herein has not been independently verified by TEP, unless otherwise expressly stated in the document.

Nothing in this report constitutes legal opinion. If legal opinion is required, the advice of a qualified legal professional should be secured.



Drawings and Appendices

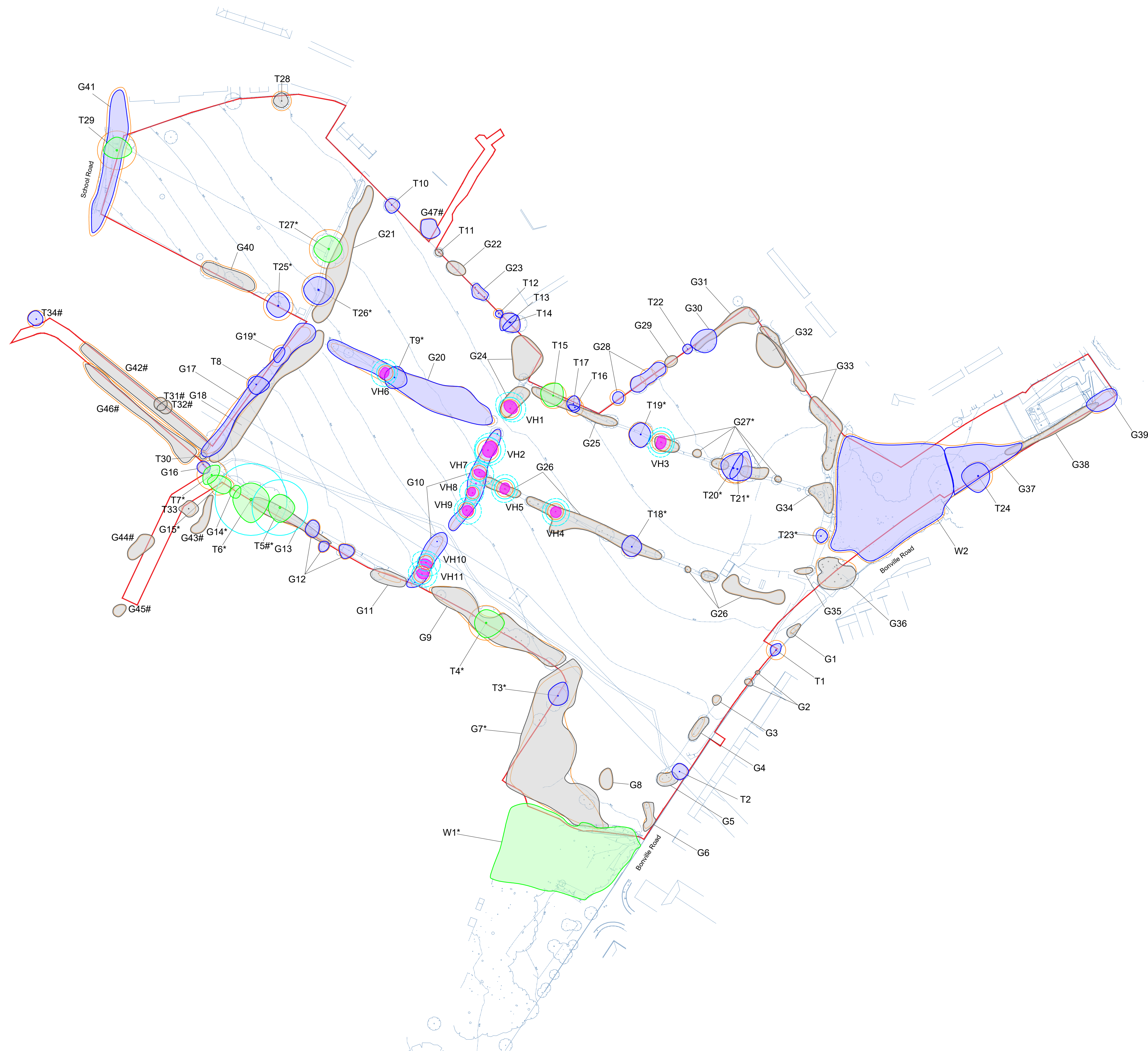
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DRAWINGS

Drawing 1

Candidate Veteran Tree Locations, Dimensions and Buffer Zones (ref TEP/
D7507.43.004)



KEY
(This drawing must be reproduced in colour)

- T1/G1/W1 Existing trees
- VH1 Candidate Veteran Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer Zone
(Calculated as 15m stem diameter measured at 1.5m above ground)
- Veteran Tree Buffer Zone (Canopy)
(Calculated as 5m offset from canopy)
- Application boundary
- # Approximate location
(Feature not shown on supplied topographical survey)
- * Tree Preservation Order

Tree Quality Categorisation
(Based on BS:5837:2012. Trees in relation to design, demolition and construction - Recommendations)

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

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows, Bristol

Title
Drawing 1: Tree Location Plan

Drawing Number
D7507.43.004

Scale 1:1250 @ A1	Date 24/01/2023
Drawn AAB	Checked TDP
	Approved FH



APPENDICES



Appendix A

Hulton Park Hawthorns

Hulton Park, Bolton – Carriage Drive Hawthorns

Hawthorns (*Crataegus monogyna*) were planted to line the main drive to Hulton Hall, Bolton. They were planted after 1772, probably in the period to 1780 by William Emes to implement his 1772 '*A Plan of the House and Demesne of Hulton Park*' (Bolton Archive: BN/ZAL/379).

It is possible they may be slightly later plantings, by Emes's pupil John Webb who took over the landscape design from Emes. An 1808 "Rough Plan" shows a more direct carriage drive from Newbrook Road (visible in Figure 1 below). Hawthorns were much used by Capability Brown (b1716-d1783) and Emes (b1730-d1803). Thorneries were very popular in the early C19th. A Conservation Plan is available at [Hulton Park, Conservation Plan \(peel.co.uk\)](http://peel.co.uk)

The Hulton Park carriage drive falls from c 115m AOD to 102m AOD.

It is not known how many hawthorns were planted by Emes and Webb, but based on the length of the drive (950m), probable spacing of c70m and planting on both sides, some 25 to 30 hawthorns may have been planted. Six hawthorns survive, some in metal parkland railing guards. The following photographic record is from 2018, showing four hawthorns in order of increasing senescence. The most intact is T67.



Figure 1: Hawthorn T67 – multi-stemmed form typical of species, even when open grown



Figure 2: T67 - crown retrenchment and thinning evident although remaining reasonably vigorous



Figure 3: T67 - note hollowing, holes and extensive decay. All individual stems over 250mm diameter, with largest 520mm @ 1.3m



Figure 4: T67 - note large attached dead wood and holes

T74 is in a more advanced state of senescence.



Figure 5: T74 - context. Note there is also an elder growing in the guard. Significant crown retrenchment has already taken place



Figure 6: T74 - deep hollowing, large attached dead wood and much epicormic growth (stem sprouts)



Figure 7: T74 - Extensive decay in main stems

T75 is now moribund. Only small parts of the crown are alive.



Figure 8: T75 - context. Crown moribund



Figure 9: T75 - some branches in lower crown remain alive

T84 shows the shattering of the multiple stems as they grow apart from each other. Most stems are now dead.



Figure 10: T84 Context. Multiple stem death, following significant crown retrenchment



Figure 11: T84 - shattering of centre of tree as stems grow apart



Appendix B

Hedgerow Age Technical Note (Mr Amir Bassir)

Brislington Meadows - Review of FLAC Proof of Evidence – Hedgerow Age

Project	Brislington Meadows	Author	Amir Bassir BSc PGCert MCIfA
Date	19/01/22	Checked	Francis Hesketh BSc(Hons) MCIEEM CEnv CMLI MICFor
Doc Ref	7507.43.044	Approved	Jason Clarke BSc (Hons) MA MCIfA
Version	1.0	Purpose	Review of 'Expert Evidence of Julian Forbes-Laird'

- 1.1 The Appellant has identified several hedgerows which have been assessed as 'Important' in accordance with heritage and archaeology criteria of the Hedgerow Regulations 1997 since they can be demonstrated to pre-date 1845. The main part of the development site is located to the immediate south of Brislington Common which was enclosed by Act of Parliament in 1778. Enclosure maps of this date do not show land outside of the enclosed area but a label of "Brislington Old Enclosures" is written in the blank area to the south of the commons. No indication is given as to the extent, arrangement, or date of these old enclosures.
- 1.2 The 1769 map provided in the FLAC Proof (Figure 7) does not show any land boundaries and provides no evidence as to the arrangement of land or the land use within the development site. It is not accepted that the map demonstrates a connection between the development site and the building identified with 'Mr Bush'. This appears to be a misinterpretation of the map, which, due to space constraints as a high-level map, results in the text overlying a wide area. An examination of the accompanying key on the original map reveals that houses shown on the map represent "*Seat or Noted House*". It is not accepted that the map confirms that the site was enclosed in 1769.
- 1.3 No clear documentary evidence confirming the date of enclosure of the main area of the site was found by the Appellant. The earliest available direct evidence for the historic layout of the site is the 1791 Estate Map which includes colour coding demonstrating a mixed arable and pasture use. It is considered likely that the site was enclosed through private piece-meal agreement during the late 18th century; no clear evidence for an earlier date is available.
- 1.4 None of the available maps predating the Ordnance Survey (1st edition 1884) provide detail of individual trees within the field boundaries. It is also likely that while some trees shown on OS maps may be accurate, others are indicative only (such as where groups or lines of trees occur). The depiction of the line of a hedgerow on a map does not provide direct evidence for the age of trees within the hedgerow as they may have different dates of planting or growth. Any discussion of the age of trees is outside of my core competence as a heritage consultant.
- 1.5 It is not accepted that the hedgerows must, by definition of being private enclosures, (i.e not subject to Act of Parliament) pre-date 1750. The online source cited as

evidence for this in the FLAC proof¹, states that “*from the 1750s enclosure by Parliamentary Act became the norm*”. This implies a broad national trend from the mid-18th century and not an absolute terminus beyond which private enclosure did not take place. The use of the term “*the norm*” implies that this was not the sole mechanism for enclosure. It is further stated in the same reference that between the years 1604 and 1914 over 5,200 enclosure bills were enacted by Parliament, thus demonstrating that Parliamentary Enclosures took place over a broad period of time across the United Kingdom and there must by implication be an overlap between private and Parliamentary enclosure. It is worth noting that for the purposes of assessing 5a of the heritage and archaeology criteria of the Hedgerow Regulations 1997, a test of 1845 and not 1750 is applied to “*pre-dating the Inclosure Acts*”. This is partly a reflection of the difficulty in obtaining archival evidence for hedgerow establishment prior to 1845 at which time a significant number of tithe maps were produced nationally due to the Tithe Commutation Act 1836.

- 1.6 The appellant has not found archive or map evidence to confirm a definitive date for the establishment of the hedgerows; the earliest available direct evidence for the layout and age of the hedgerows is the Estate Map of 1791. It has been established that the hedgerows are Important in accordance with the heritage and archaeology criteria of the Hedgerow Regulations 1997 as they can be demonstrated to pre-date 1845. A consensus on the exact date is not necessary for establishing Importance which will remain unchanged.
- 1.7 As stated above it is not accepted that the date of a hedgerow must equate to the age of trees within that boundary, however this is a matter outside of my core competence as a heritage consultant.

¹ [Enclosing the land - UK Parliament](#)



Appendix C

Tree Survey Forms



BRISLINGTON MEADOWS

BRISTOL

CANDIDATE VETERAN TREE HABITAT CONDITION ASSESSMENT SUMMARY

January 2023

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Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - T5

- 1. Species
 - Pedunculate oak (*Quercus robur*)
- 2. Tree Height
 - 16m
- 3. Number of stems
 - 1
- 4. Stem measurements
 - 1,120mm
- 4. Diameter at Breast Height (DBH)
 - 1,120mm (3.5m girth)



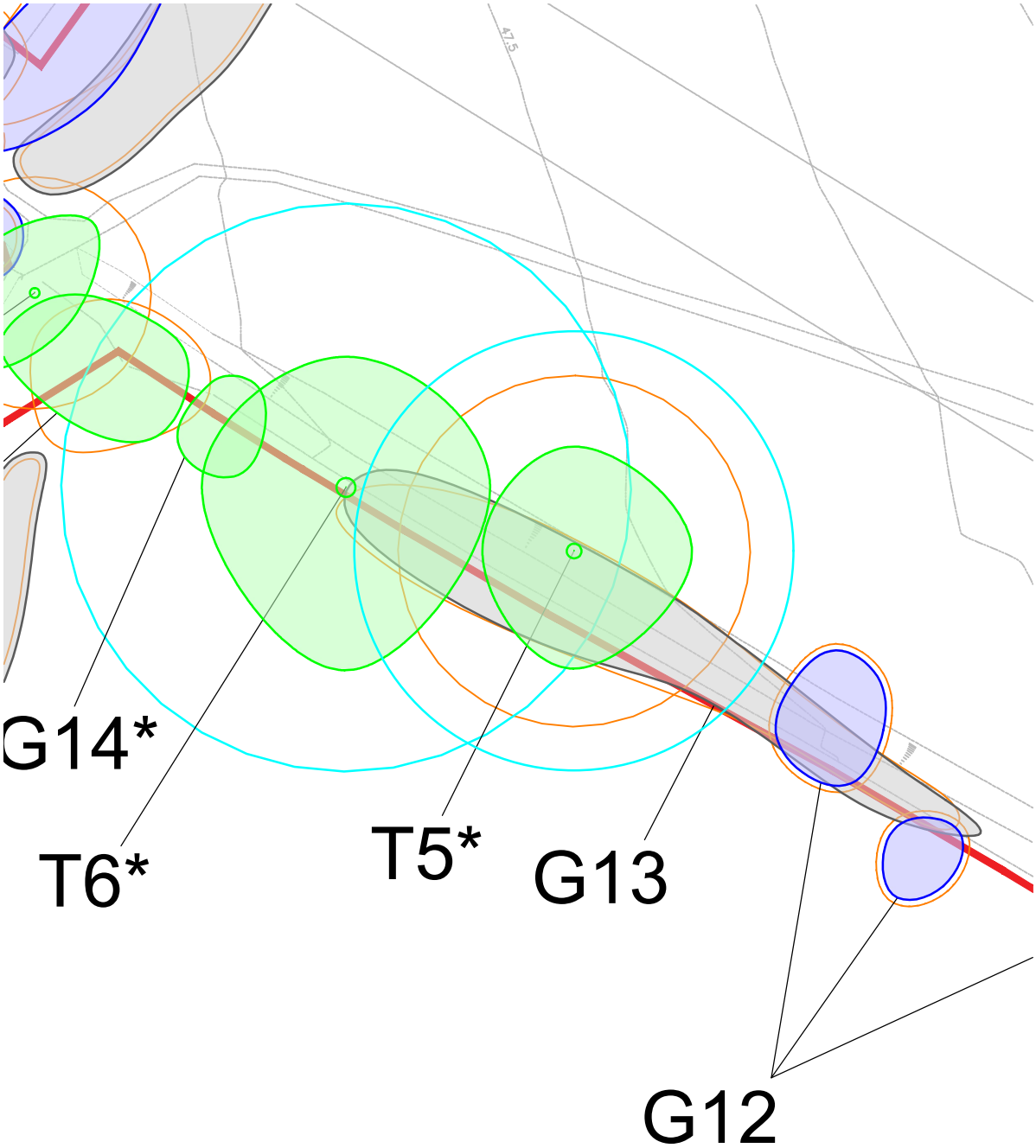
- 5. FLAC Claimed 'Primary Features'
 - Extensive decay
 - Agreed
 - Significant hollowing
 - Agreed
- 6. FLAC Claimed 'Secondary Features'
 - Dead wood>150mm diameter, especially where present in numbers
 - Agreed
 - Dry habitat spaces, especially where present in numbers
 - Not agreed, aerial inspection shows one large cavity is entirely exposed
 - Fungi, especially where present in numbers
 - Perhaps inferred from hollowing but not present or identified

Natural England Habitat Assessment Criteria - Veteran Trees

- | | |
|--|-------------|
| 1. Rot sites associated with wounds that are decaying larger than 400cm ² | Claimed |
| 2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter | Not claimed |
| 3. Dead branches or stems larger than 15cm in diameter | Claimed |
| 4. Hollowing in the trunk or major limbs | Claimed |
| 5. Fruiting bodies of fungi known to cause wood decay | Claimed |

(Four out of five required by Natural England for veteran classification)

4 criteria claimed. Therefore capable of being a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.T5

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

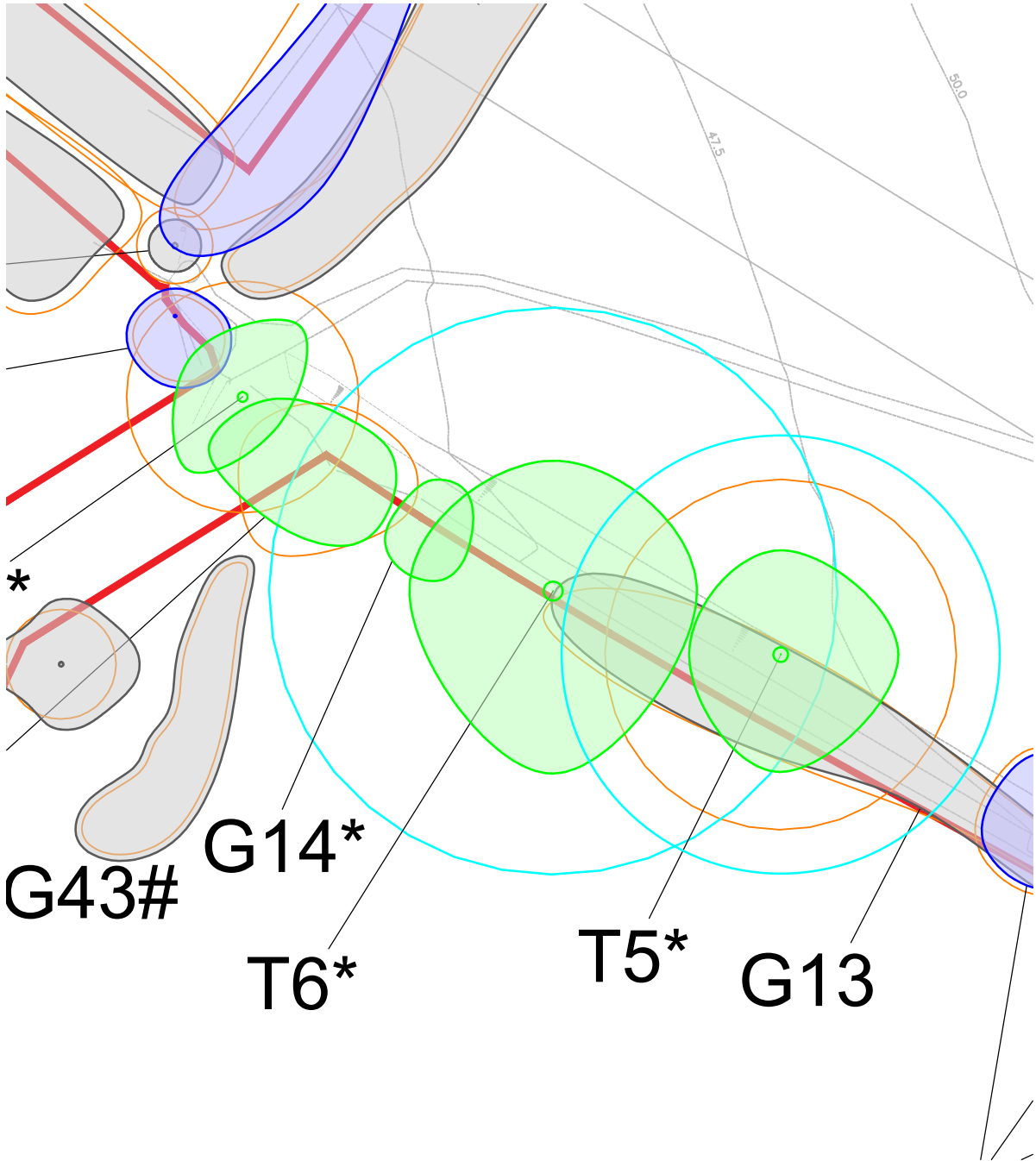
Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - T6

- 1. Species
 - Pedunculate oak (*Crataegus monogyna*)
- 2. Tree Height
 - 16m
- 3. Number of stems
 - 1
- 4. Stem measurements
 - 1,450mm
- 4. Diameter at Breast Height (DBH)
 - 1,450mm (4.6m girth)



- 5. FLAC Claimed 'Primary Features'
 - Extensive decay
 - Agreed
 - Significant hollowing
 - Agreed likely internal, although not accessible
 - 6. FLAC Claimed 'Secondary Features'
 - Dead wood>150mm diameter, especially where present in numbers
 - Agreed
 - Dry habitat spaces, especially where present in numbers
 - Agreed
- Note:** Fungi not claimed but *Fistulina hepatica* (Beefsteak Fungus) known to be present



Natural England Habitat Assessment Criteria - Veteran Trees

- | | |
|--|---|
| 1. Rot sites associated with wounds that are decaying larger than 400cm ² | Claimed |
| 2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter | Not claimed |
| 3. Dead branches or stems larger than 15cm in diameter | Claimed |
| 4. Hollowing in the trunk or major limbs | Claimed |
| 5. Fruiting bodies of fungi known to cause wood decay | Not claimed but present (see image above) |

(Four out of five required by Natural England for veteran classification)

4 criteria claimed. Therefore capable of being a veteran tree on grounds of condition.

KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.T6

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH1

- 1. Species
 - Hawthorn (*Crataegus monogyna*)
- 2. Tree Height
 - 6m
- 3. Number of stems
 - 3
- 4. Stem measurements
 - 350mm
 - 200mm
 - 250mm
- 4. Diameter at Breast Height (DBH)
 - 474mm (1.5m girth)

- 5. FLAC Claimed 'Primary Features'
 - Extensive decay
 - Agreed. Most decay is in an elder stem that is not part of the tree. Cumulatively, the quantity of decay just about meets the minimum required.
- 6. FLAC Claimed 'Secondary Features'
 - Dry habitat spaces, especially where present in numbers
 - Not agreed. Only one very small space formed by closing space around lost branch between stems c.5cm in diameter. Very limited.

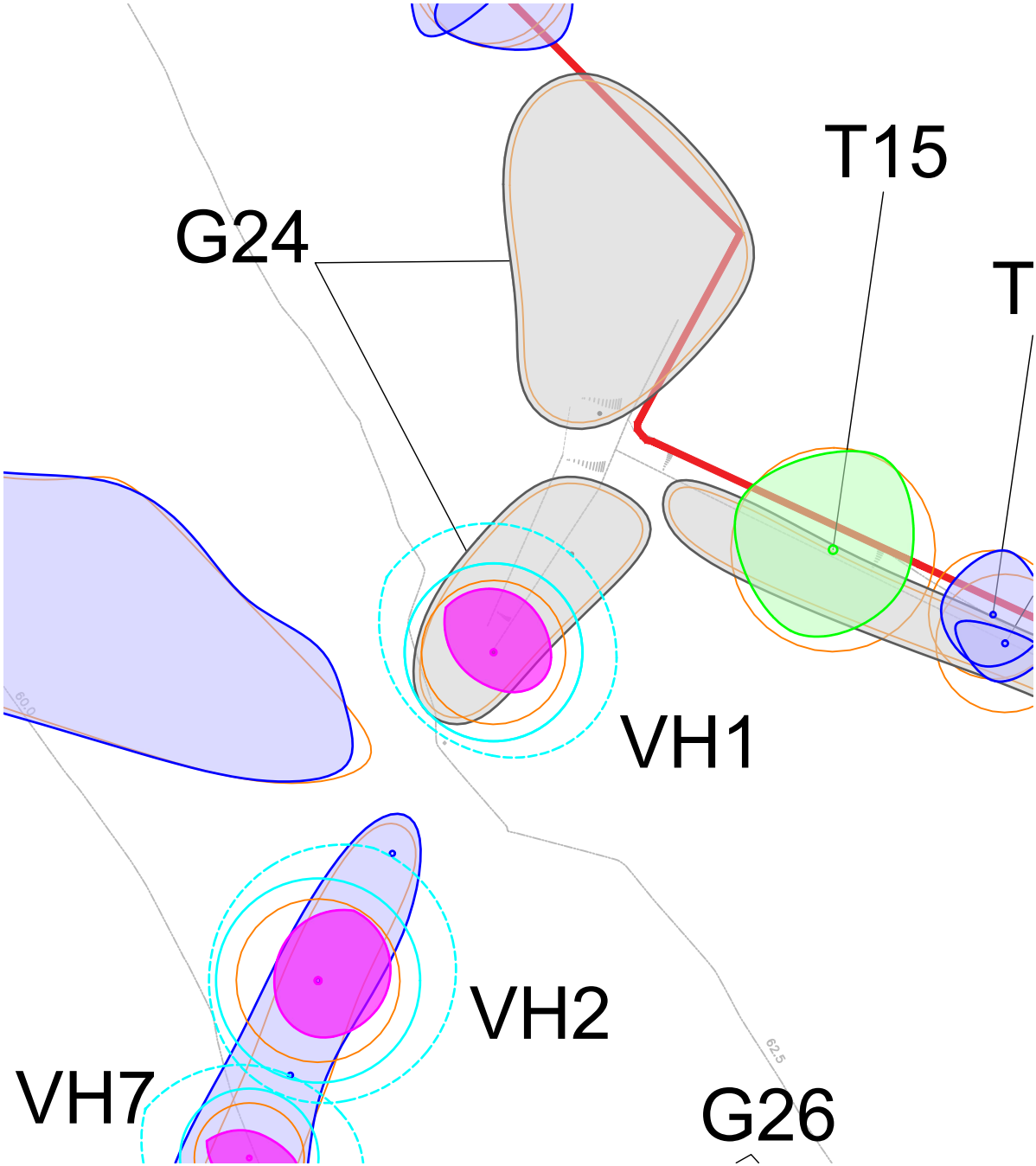


Natural England Habitat Assessment Criteria - Veteran Trees

- | | |
|--|-------------|
| 1. Rot sites associated with wounds that are decaying larger than 400cm ² | Claimed |
| 2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter | Not claimed |
| 3. Dead branches or stems larger than 15cm in diameter | Not claimed |
| 4. Hollowing in the trunk or major limbs | Not claimed |
| 5. Fruiting bodies of fungi known to cause wood decay | Not claimed |

(Four out of five required by Natural England for veteran classification)

Only 1 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH1

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH2

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 7m
3. Number of stems
- 11 (possibly two trees)
4. Stem measurements
- 210mm
 - 220mm
 - 110mm
 - 200mm
 - 170mm
 - 160mm
 - 125mm
 - 220mm
 - 140mm
 - 110mm
 - 60mm
4. Diameter at Breast Height (DBH)
- 520mm (1.6m girth)

5. FLAC Claimed 'Primary Features'
- Extensive decay
 - Short open socket at the base indicating now absent stem. Inside of opening is largely bark lined and exposed wood area is c.30 x 6cm, which falls short of threshold but agreed in the interests of the most cautious reasonable approach.
6. FLAC Claimed 'Secondary Features'
- Fungi, especially where present in numbers
 - Very small numbers of small saproxylic fungi on bark surface. Fungi is probably *Marasmiellus ramealis* or *M. vaillantii* (both are very common and widespread species).



Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²

Claimed
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter

Not claimed
3. Dead branches or stems larger than 15cm in diameter

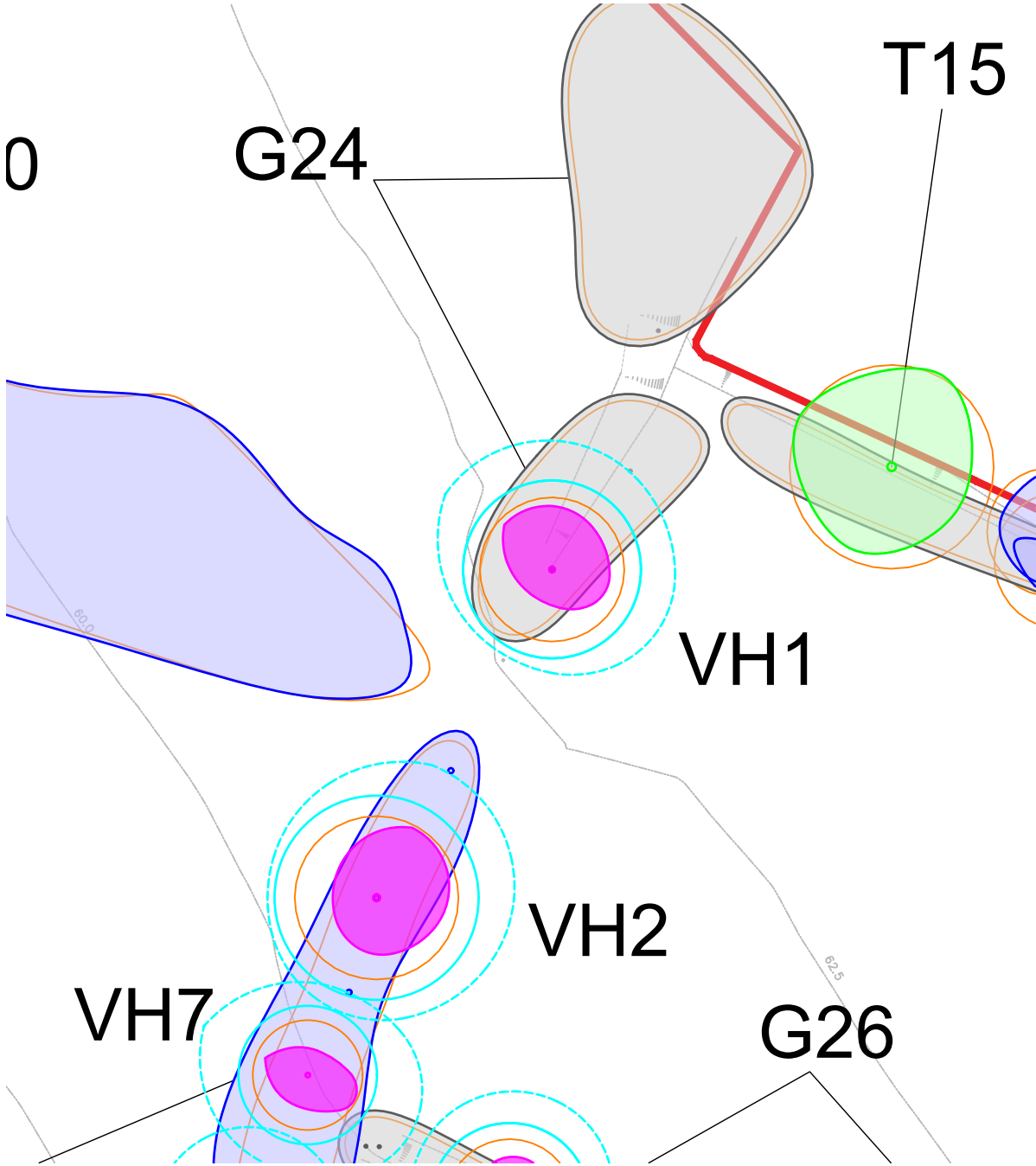
Not claimed
4. Hollowing in the trunk or major limbs

Not claimed
5. Fruiting bodies of fungi known to cause wood decay

Claimed

(Four out of five required by Natural England for veteran classification)

Only 2 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH2

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH3

- 1. Species
 - Hawthorn (*Crataegus monogyna*)
- 2. Tree Height
 - 6m
- 3. Number of stems
 - 4
- 4. Stem measurements
 - 240mm
 - 280mm
 - 170mm
 - 210mm
- 4. Diameter at Breast Height (DBH)
 - 457mm (1.4m girth)



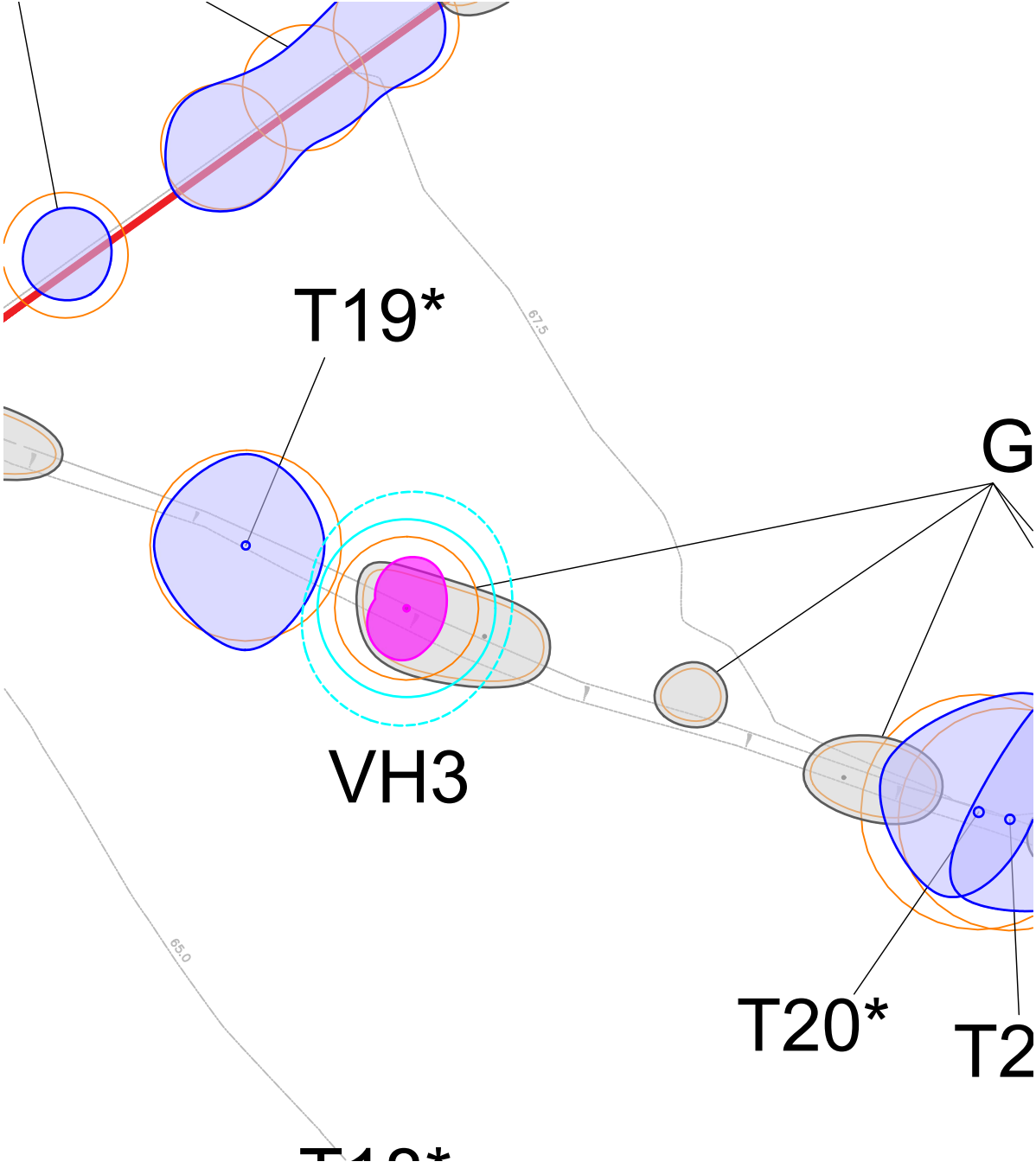
- 5. FLAC Claimed 'Primary Features'
 - Extensive decay
 - Not agreed. One decaying stub at <1m is 25 x 9cm. One fused stub flush with stem is 30x5cm. Limited decay at hedging 'pollard' head of 10cm dia. Aggregating falls short of 400cm² threshold. Decaying wood on ground adjacent not counted.
- 6. FLAC Claimed 'Secondary Features'
 - Fungi, especially where present in numbers
 - Single small fruiting body at branch wound. Agreed in the interests of conservative approach but certainly not present in numbers.
 - Lichens present in significant quantities
 - Not agreed, very limited.

Natural England Habitat Assessment Criteria - Veteran Trees

- | | |
|--|-------------|
| 1. Rot sites associated with wounds that are decaying larger than 400cm ² | Claimed |
| 2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter | Not claimed |
| 3. Dead branches or stems larger than 15cm in diameter | Not claimed |
| 4. Hollowing in the trunk or major limbs | Not claimed |
| 5. Fruiting bodies of fungi known to cause wood decay | Claimed |

(Four out of five required by Natural England for veteran classification)

Only 2 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH3

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH4

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 6.5m
3. Number of stems
- 10 (two dead stems included)
4. Stem measurements
- 115mm
 - 125mm
 - 135mm
 - 190mm
 - 140mm
 - 70mm
 - 80mm

- 190mm
 - 120mm
 - 100mm
4. Diameter at Breast Height (DBH)
- 400mm (1.3m girth)
5. FLAC Claimed 'Primary Features'
- Extensive decay
 - Agreed
6. FLAC Claimed 'Secondary Features'
- Fungi, especially where present in numbers
 - No 'other fungi' identified by FLAC, main interest is in brown rot which is covered by 'extensive decay'
 - Lichens present in significant quantities
 - Not agreed, no significance presence



Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²

Claimed
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter

Not claimed
3. Dead branches or stems larger than 15cm in diameter

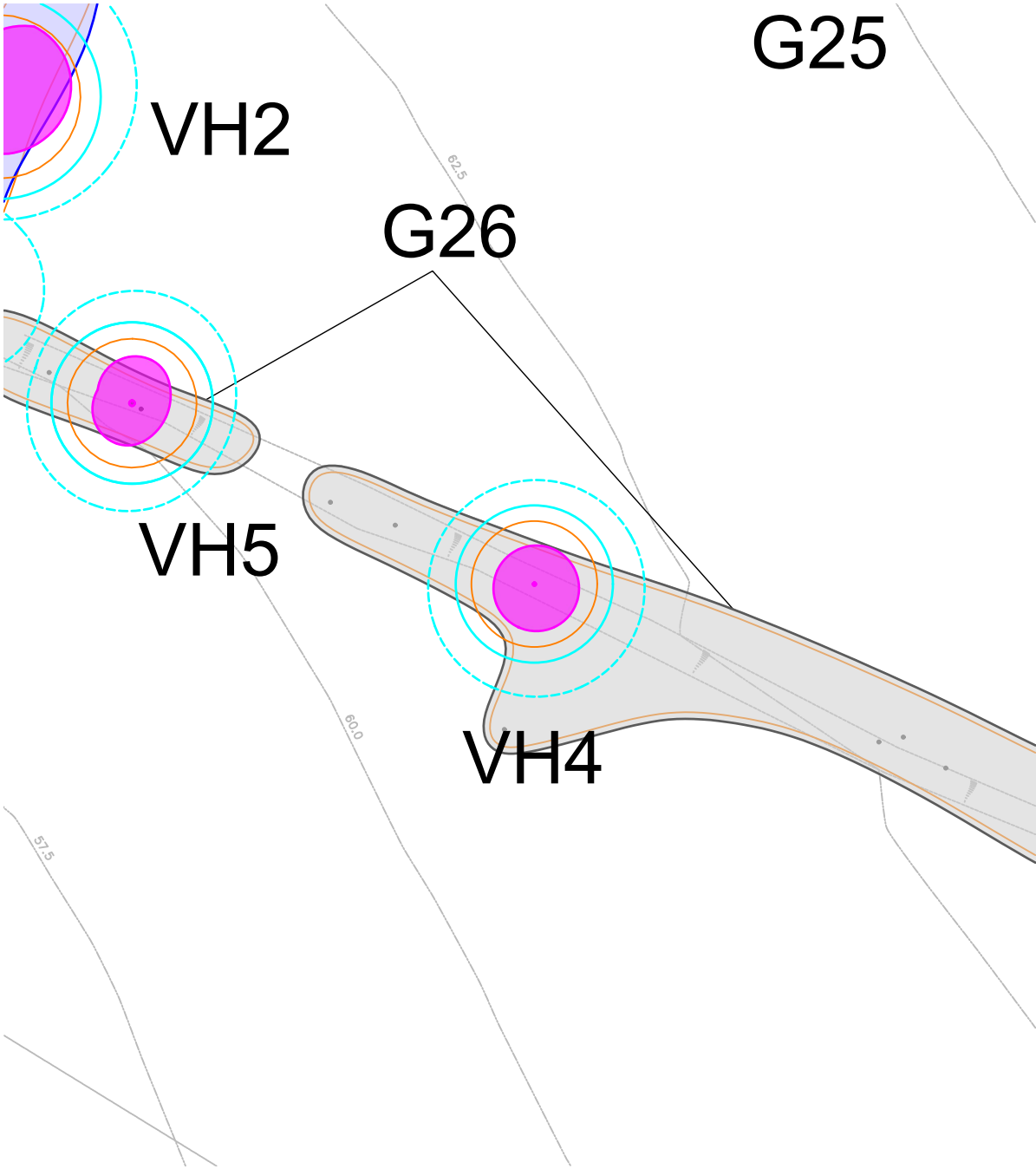
Not claimed
4. Hollowing in the trunk or major limbs

Not claimed
5. Fruiting bodies of fungi known to cause wood decay

Claimed

(Four out of five required by Natural England for veteran classification)

Only 2 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project				
Brislington Meadows				
Title				
Veteran tree rebuttal				
Drawing Number				
D7507.43.003.VH4				
Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH5

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 7.5m
3. Number of stems
- 4
4. Stem measurements
- 250mm
 - 100mm
 - 270mm
 - 150mm
4. Diameter at Breast Height (DBH)
- 410mm (1.3m girth)

5. FLAC Claimed 'Primary Features'
- Extensive decay
 - Not agreed. One decaying stub at 1.8m but not brown rot. Exposed sunken patch on stem indicating underlying dysfunction and necrosis but with bark remaining and no decay.
6. FLAC Claimed 'Secondary Features'
- Lichens present in significant quantities
 - Not agreed. Limited to one patch on main stem of c.40cm x 12cm. Not a significant quantity.



Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²

Claimed
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter

Not claimed
3. Dead branches or stems larger than 15cm in diameter

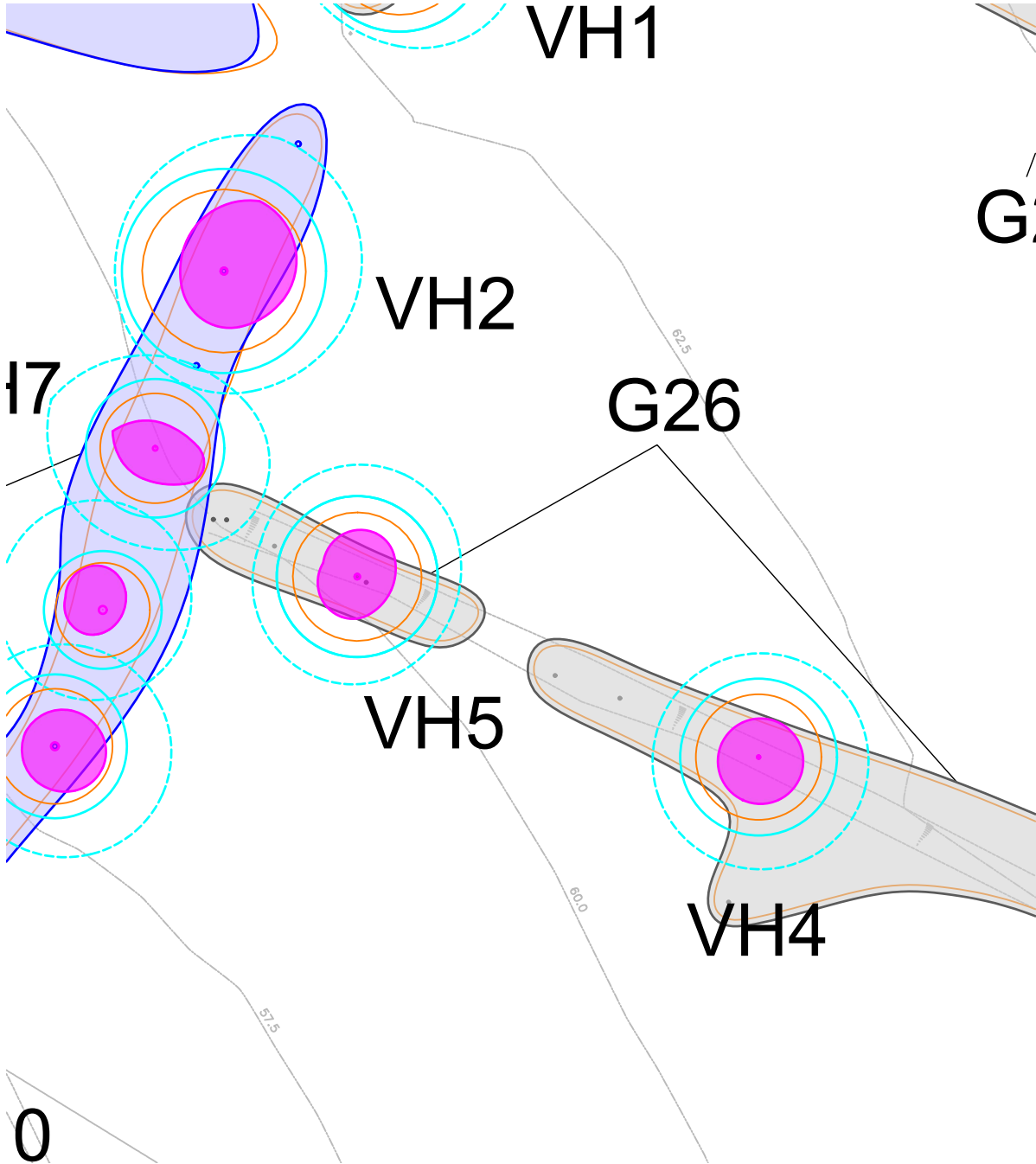
Not claimed
4. Hollowing in the trunk or major limbs

Not claimed
5. Fruiting bodies of fungi known to cause wood decay

Not claimed

(Four out of five required by Natural England for veteran classification)

Only 1 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

VH1 Trees

Root Protection Area (RPA)

Veteran Tree Buffer (Stem)

Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH5

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH6

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 6.5m
3. Number of stems
- 3 (breaking low to 10 but 3 give the larger measurement)
4. Stem measurements
- 250mm
 - 330mm
 - 230mm
4. Diameter at Breast Height (DBH)
- 474mm (1.5m girth)



5. FLAC Claimed 'Primary Features'
- Extensive decay
 - Weak positive. Only possible to achieve figure by aggregating all very small wounds at previous hedging points. 50, 70 and 110mm diameter areas, and three other patches of 90x300, 50x150, and 50x100mm. Cumulative, but none large or significant. Limited penetration.
6. FLAC Claimed 'Secondary Features'
- Fungi, especially where present in numbers
 - Not agreed. *Stereum* fungi on one or two branches only. Widespread and very common species. Very small patch of surface mould on wet leaves.
 - Lichens present in significant quantities
 - Not agreed. Small area at base contains patch of lichen but very limited extent.

Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²

Claimed
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter

Not claimed
3. Dead branches or stems larger than 15cm in diameter

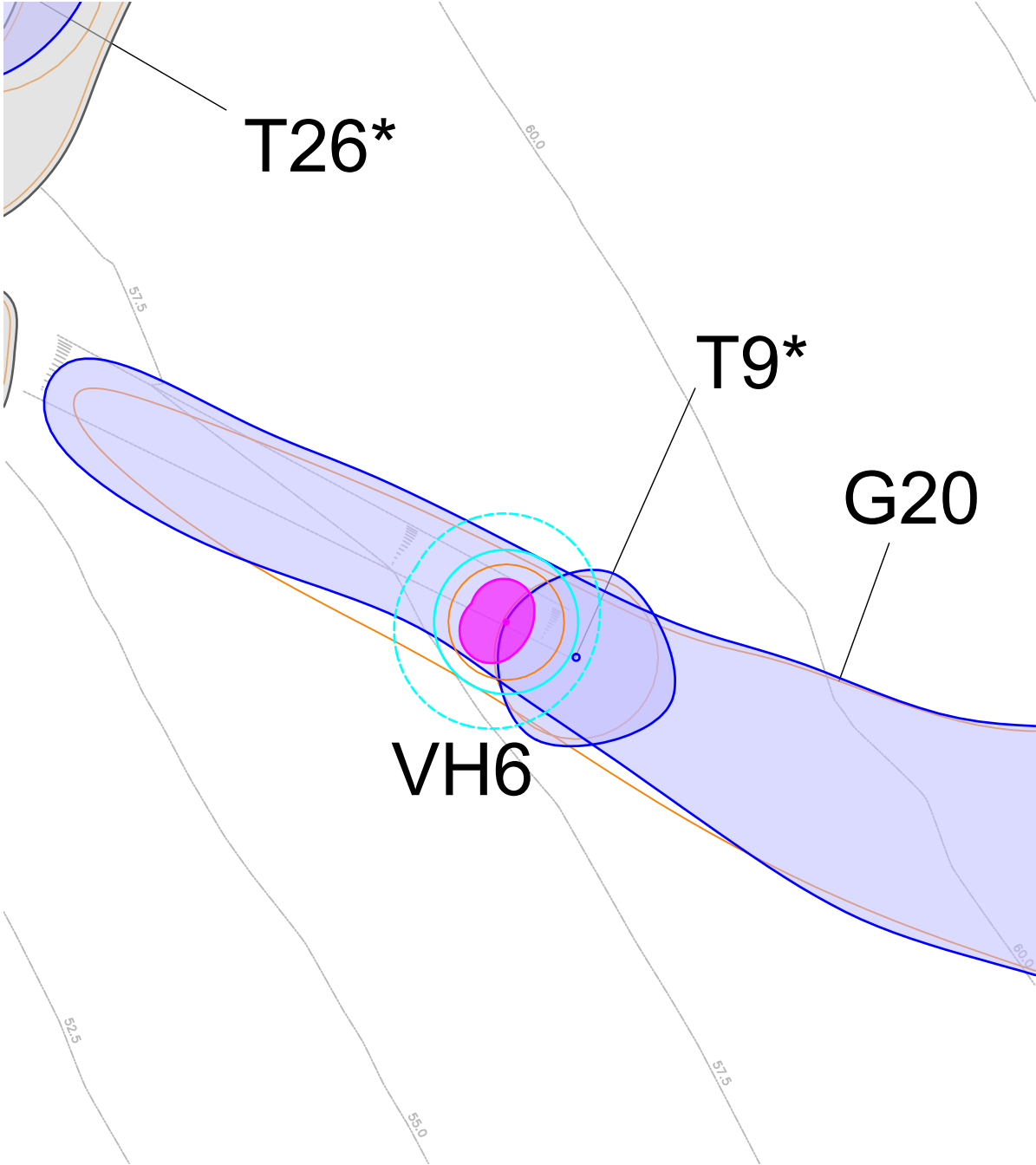
Not claimed
4. Hollowing in the trunk or major limbs

Not claimed
5. Fruiting bodies of fungi known to cause wood decay

Claimed

(Four out of five required by Natural England for veteran classification)

Only 2 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH6

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH7

- 1. Species
 - Hawthorn (*Crataegus monogyna*)
- 2. Tree Height
 - 6m
- 3. Number of stems
 - 5
- 4. Stem measurements
 - 140mm
 - 180mm
 - 170mm
 - 185mm
 - 90mm
- 4. Diameter at Breast Height (DBH)
 - 351mm (1.1m girth)



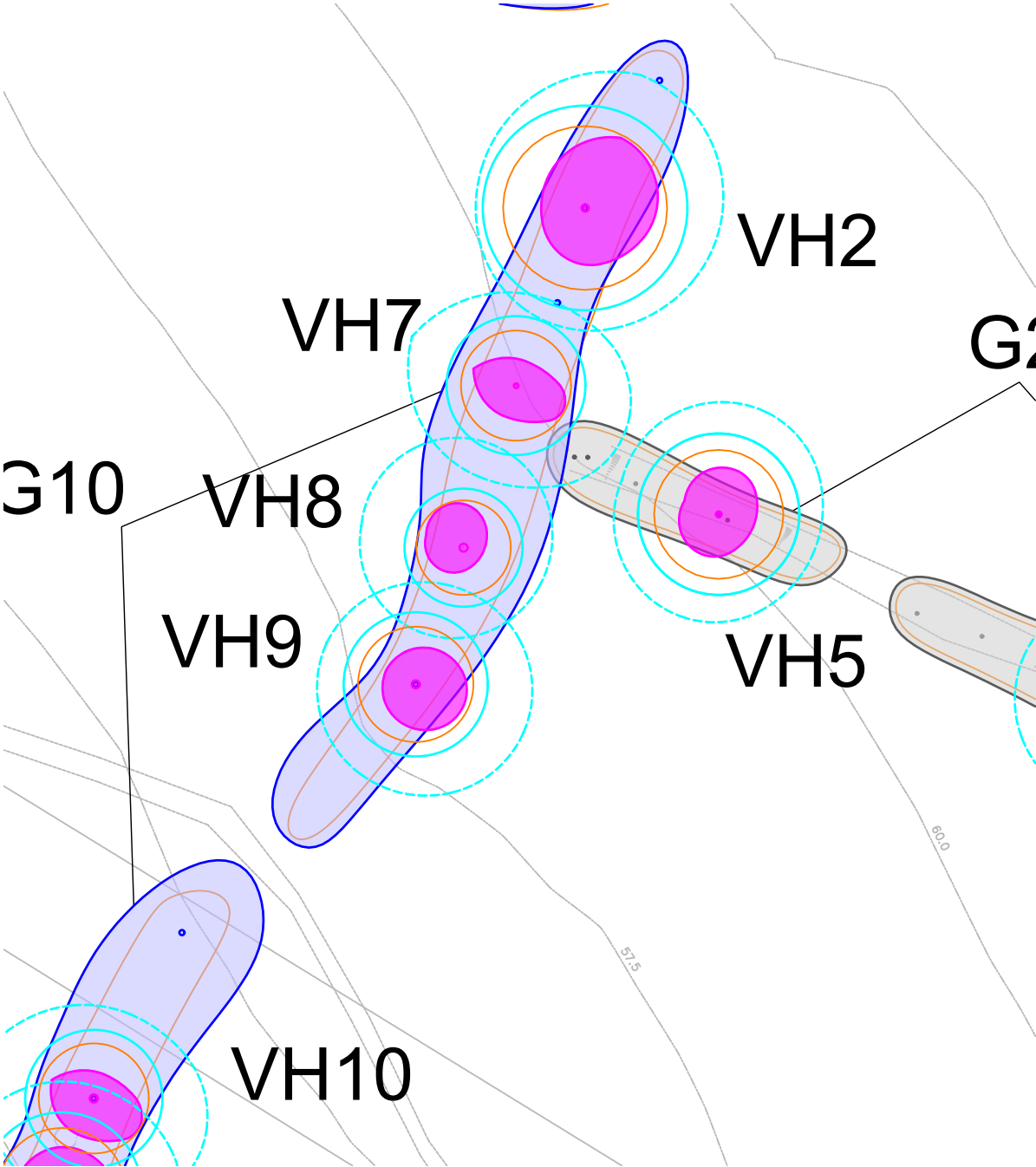
- 5. **FLAC Claimed 'Primary Features'**
 - Extensive decay
 - Agreed. Area in base of one stem is 600x150mm
 - Significant hollowing
 - Weak positive. There is hollowing, but this is the same feature as the 'extensive decay'. Double counting.
 - Significant retrenchment
 - Not agreed. Possible conflation with adjacent elder
- 6. **FLAC Claimed 'Secondary Features'**
 - Fungi, especially where present in numbers
 - None noted. Perhaps inferred from stem decay (i.e. same feature as 'extensive decay' and 'hollowing').
 - Lichens present in significant quantities
 - Not agreed. Very limited.

Natural England Habitat Assessment Criteria - Veteran Trees

- | | |
|--|-------------|
| 1. Rot sites associated with wounds that are decaying larger than 400cm ² | Claimed |
| 2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter | Not claimed |
| 3. Dead branches or stems larger than 15cm in diameter | Not claimed |
| 4. Hollowing in the trunk or major limbs | Claimed |
| 5. Fruiting bodies of fungi known to cause wood decay | Claimed |

(Four out of five required by Natural England for veteran classification)

Only 3 criteria claimed. Therefore not a veteran tree on grounds of condition.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH7

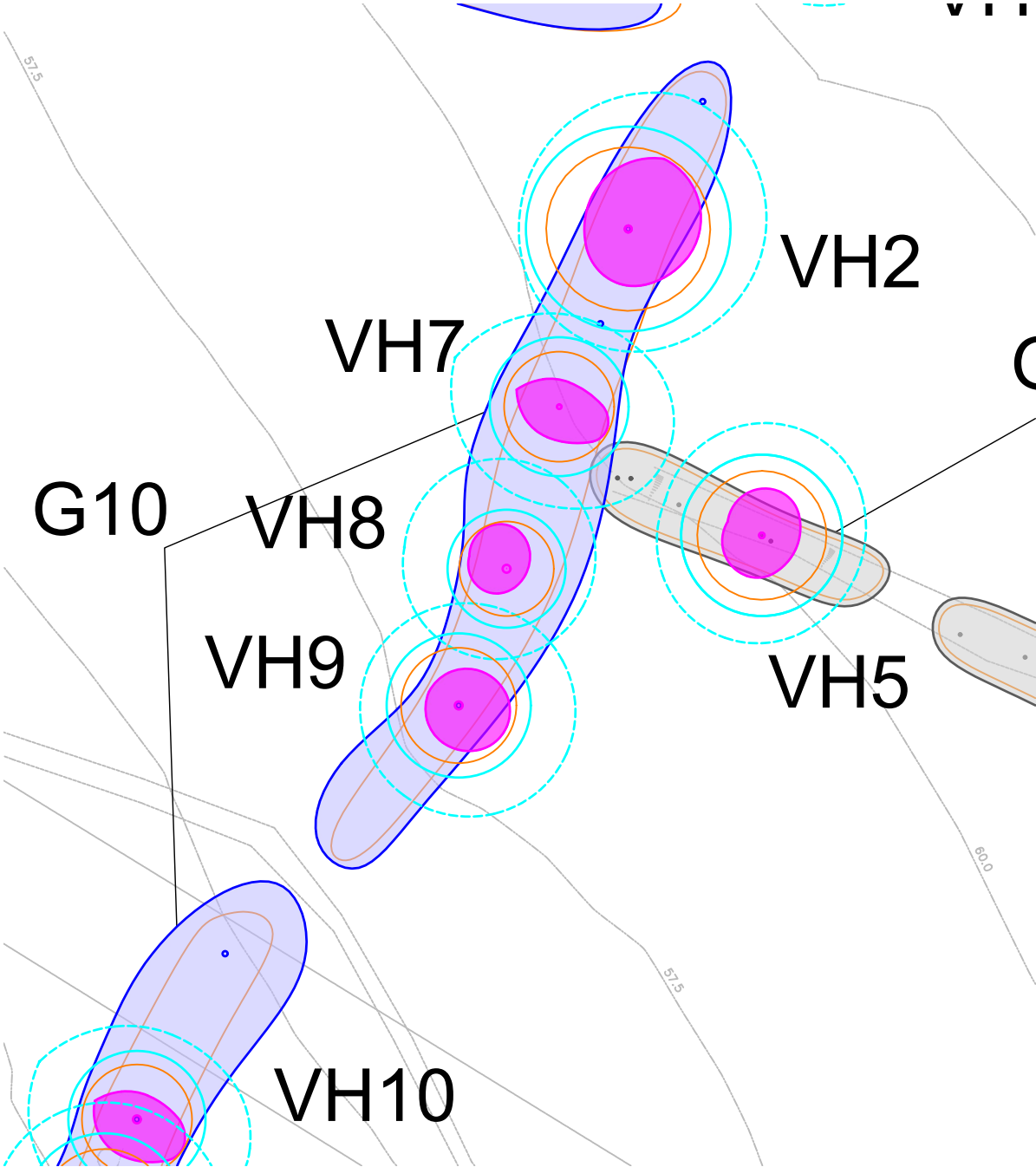
Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH8

- 1. Species
 - Hawthorn (*Crataegus monogyna*)
- 2. Tree Height
 - 6m
- 3. Number of stems
 - 4
- 4. Stem measurements
 - 190mm
 - 60mm
 - 80mm
 - 205mm
- 4. Diameter at Breast Height (DBH)
 - 297mm (0.9m girth)

- 5. FLAC Claimed 'Primary Features'
 - Extensive decay
 - Agreed. Within primary union failure.
 - Not agreed. Progressive union failure with shallow decay of expose surfaces only.
 - Significant hollowing
 - Not agreed. Early retrenchment only, not significantly progressed.
 - Significant retrenchment
 - Not agreed. Early retrenchment only, not significantly progressed.
- 6. FLAC Claimed 'Secondary Features'
 - Dead wood>150mm diameter, especially where present in numbers
 - Not agreed. Largest diameter is 90mm. Large branch has fallen off and is no longer connected to the tree.
 - Lichens present in significant quantities
 - Not agreed. Small patches only.



Natural England Habitat Assessment Criteria - Veteran Trees

- 1. Rot sites associated with wounds that are decaying larger than 400cm²
- 2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter
- 3. Dead branches or stems larger than 15cm in diameter
- 4. Hollowing in the trunk or major limbs
- 5. Fruiting bodies of fungi known to cause wood decay

- Claimed
- Not claimed
- Claimed
- Claimed
- Not claimed

(Four out of five required by Natural England for veteran classification)

Only 3 criteria claimed. Therefore not a veteran tree on grounds of condition.

KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH8

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH9

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 6m
3. Number of stems
- 5
4. Stem measurements
- 110mm
- 60mm
- 260mm
- 210mm
- 90mm
4. Diameter at Breast Height (DBH)
- 349mm (1.2m girth)



Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter
3. Dead branches or stems larger than 15cm in diameter
4. Hollowing in the trunk or major limbs
5. Fruiting bodies of fungi known to cause wood decay

(Four out of five required by Natural England for veteran classification)

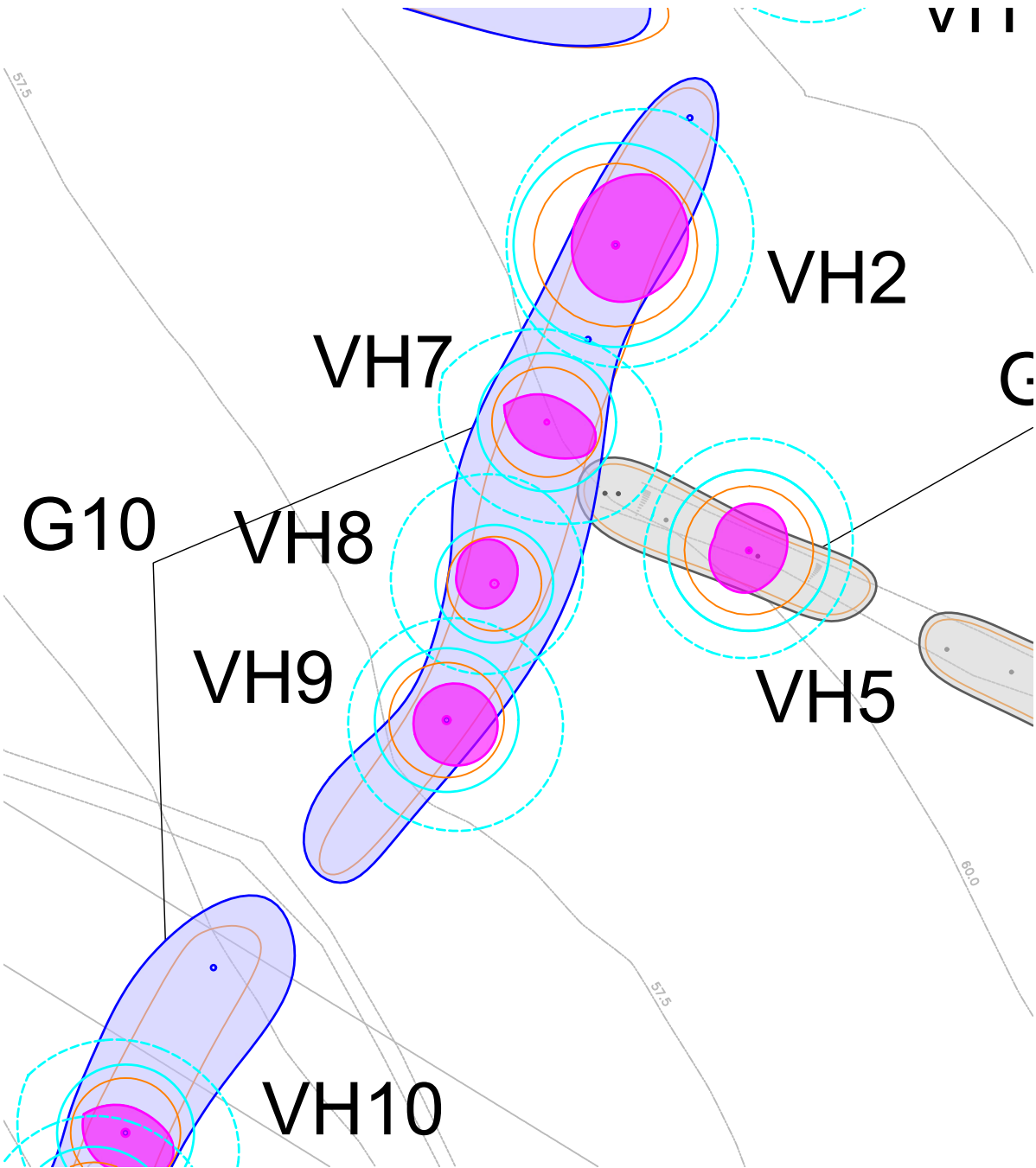
5. FLAC Claimed 'Primary Features'
- Extensive decay

Weak positive. Cumulative assessment including small rotting stem may reach threshold. Agreed in the interests of a cautious assessment.
- Significant retrenchment

Not agreed. Early retrenchment only. Not significantly progressed.
6. FLAC Claimed 'Secondary Features'
- Fungi, especially where present in numbers

None apparent. Decay very limited.
- Lichens present in significant quantities

One patch. No significant quantity.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
<div><div><div></div><div>Tep</div></div><div><div>THE ENVIRONMENT PARTNERSHIP</div><div>Genesis Centre, Birchwood Science Park, Warrington WA3 7BH Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com</div></div></div>				
Project Brislington Meadows				
Title Veteran tree rebuttal				
Drawing Number D7507.43.003.VH9				
Drawn AAB	Checked TDP	Approved FBH	Scale Not to scale	Date 23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH10

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 6m
3. Number of stems
- 6
4. Stem measurements
- 180mm
- 95mm
- 160mm
- 70mm
- 150mm
- 200mm
4. Diameter at Breast Height (DBH)
- 349mm (1.1m girth)



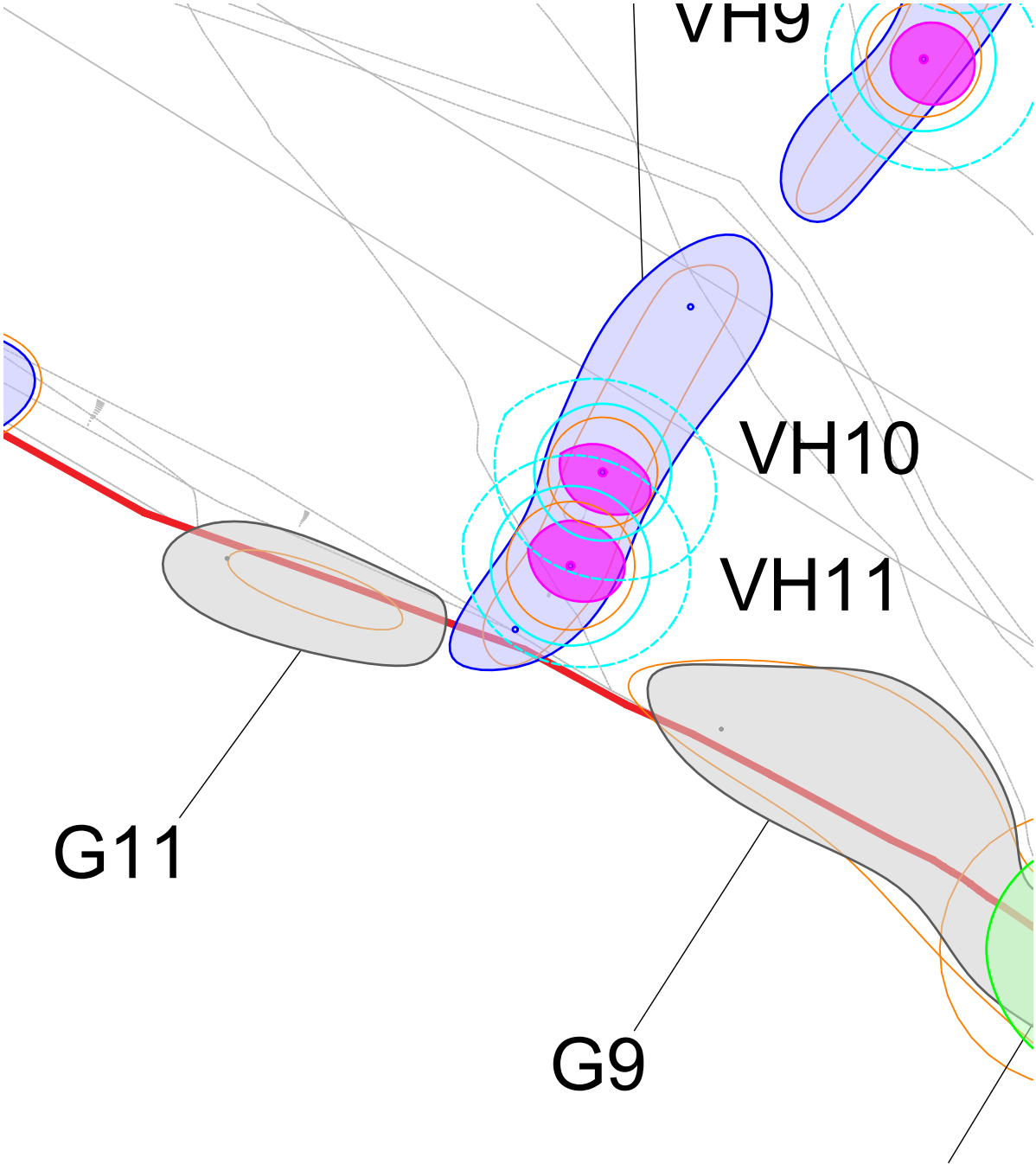
5. FLAC Claimed 'Primary Features'
- Extensive decay

Agreed
- Significant hollowing

Not agreed. Gap is principally space between stems that are progressively failing and have surface decay.
- Significant retrenchment

Not agreed. Growth is slowing down and tree carries small diameter dead wood. But it retains good vigour and has no internal crown or stag heading. No significant retrenchment.
6. FLAC Claimed 'Secondary Features'
- Lichens present in significant quantities

Not agreed. Basis for claim unclear.



Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²
- Claimed
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter
- Not claimed
3. Dead branches or stems larger than 15cm in diameter
- Not claimed
4. Hollowing in the trunk or major limbs
- Claimed
5. Fruiting bodies of fungi known to cause wood decay
- Not claimed

(Four out of five required by Natural England for veteran classification)

Only 2 criteria claimed. Therefore not a veteran tree on grounds of condition.

KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date
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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH10

Drawn	Checked	Approved	Scale	Date
AAB	TDP	FBH	Not to scale	23/01/2023

Natural England Habitat Condition Assessment - Veteran Trees

Description of Tree - VH11

1. Species
- Hawthorn (*Crataegus monogyna*)
2. Tree Height
- 6m
3. Number of stems
- 3 (two trees, low branch included)
4. Stem measurements
- 300mm
- 250mm
- 110mm
4. Diameter at Breast Height (DBH)
- 406mm (1.3m girth)



Natural England Habitat Assessment Criteria - Veteran Trees

1. Rot sites associated with wounds that are decaying larger than 400cm²
2. Holes and water pockets in the trunk and mature crown larger than 5cm diameter
3. Dead branches or stems larger than 15cm in diameter
4. Hollowing in the trunk or major limbs
5. Fruiting bodies of fungi known to cause wood decay

(Four out of five required by Natural England for veteran classification)

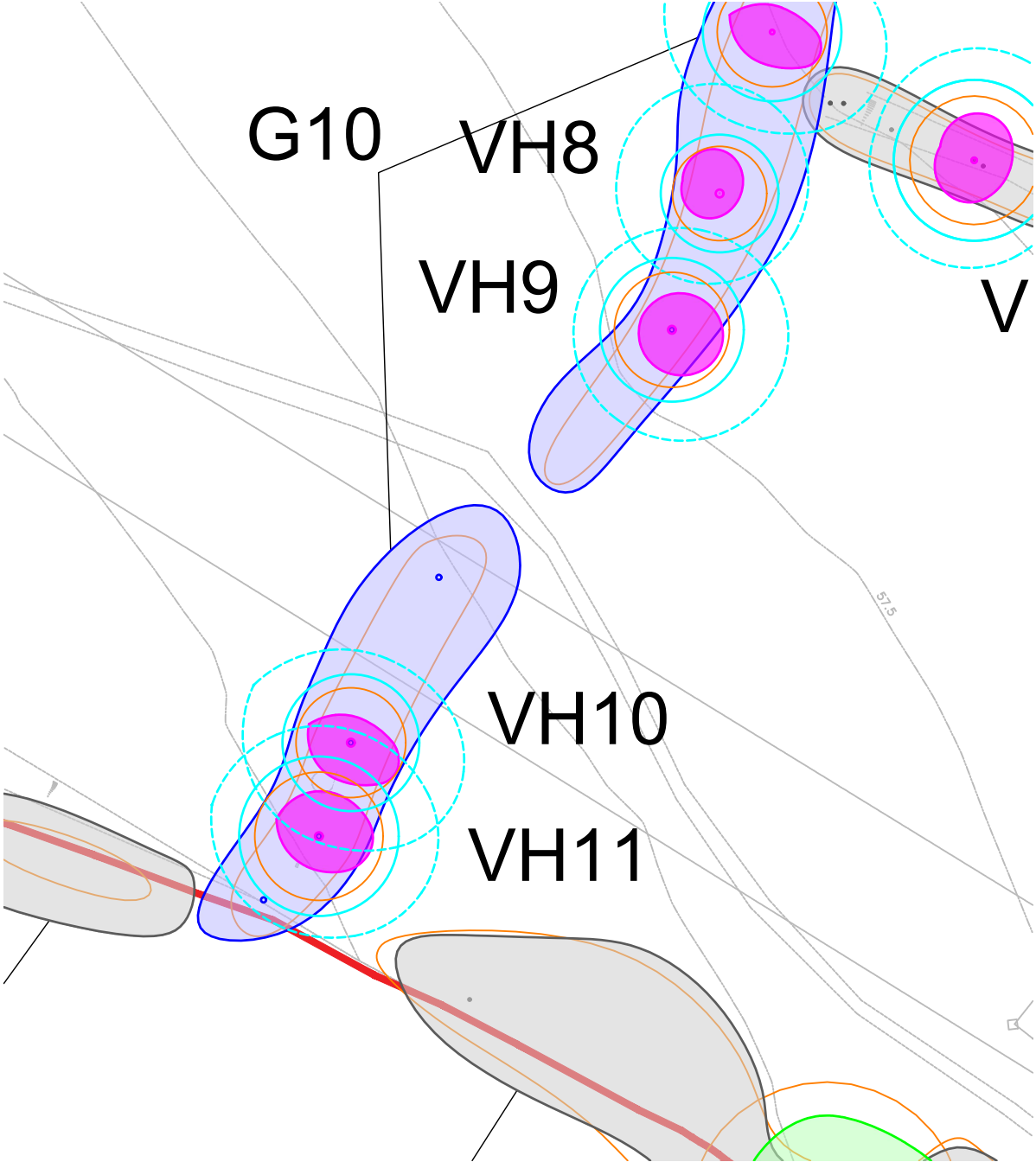
5. FLAC Claimed 'Primary Features'
- Extensive decay

Agreed, in one main stem cavity
- Significant hollowing

Same feature as 'extensive decay' but present.
- Significant retrenchment

Not agreed. Southern tree is significantly in decline, which is not the same as retrenchment.
6. FLAC Claimed 'Secondary Features'
- Lichens present in significant quantities

Not agreed. One branch on northern tree but the rest shaded out by heavy ivy.



KEY

[This drawing must be reproduced in colour]

- VH1 Trees
- Root Protection Area (RPA)
- Veteran Tree Buffer (Stem)
- Veteran Tree Buffer (Canopy)



Rev	Description	Drawn	Approved	Date

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Project
Brislington Meadows

Title
Veteran tree rebuttal

Drawing Number
D7507.43.003.VH11

Drawn AAB	Checked TDP	Approved FBH	Scale Not to scale	Date 23/01/2023
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