



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

6.25, Environmental Statement, Volume 4, Appendix 9.1, Extended Phase 1 Habitat Survey Part 2 of 2

**The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(a)
Planning Act 2008**

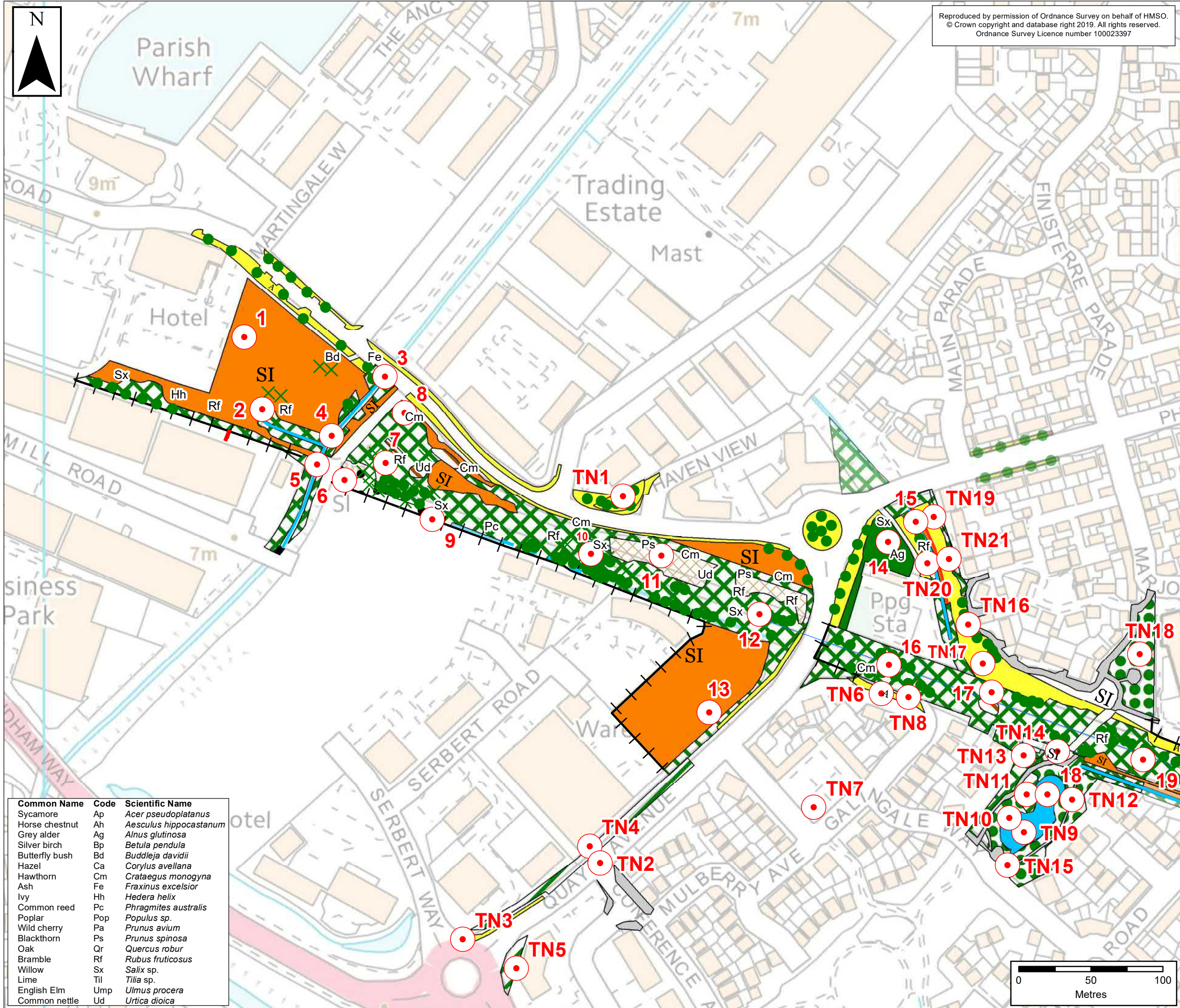
Author: CH2M

Date: March 2021

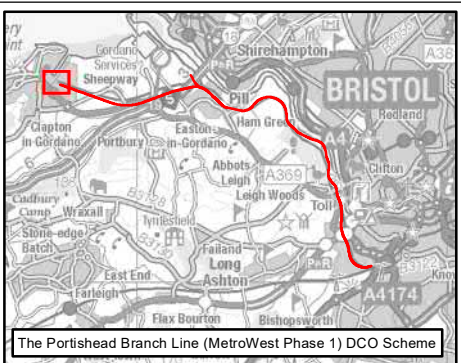


Document Index

Version	Date	Status of Version	Figure Number	Document Index	Document Revision	Changes
1	13 November 2019	Application	1	674946-001-002-A	ES-A	None
			2	674946-016-004-A	ES-A	None
			3	674946-016-004-A	ES-A	None
			4	674946-016-004-A	ES-A	None
			5	674946-016-004-A	ES-A	None
			6	674946-016-004-A	ES-A	None
			7	674946-016-004-A	ES-A	None
			8	674946-016-004-A	ES-A	None
			9	674946-016-004-A	ES-A	None
			10	674946-016-004-A	ES-A	None
			11	674946-016-004-A	ES-A	None
2	11 March 2021	Revised design	1	674946-001-002-A	ES-A	N/A
			2	674946-016-004-A	ES-A	N/A
			3	674946-016-004-A	ES-A	N/A
			4	674946-016-004-A	ES-B	Update Order limits
			5	674946-016-004-A	ES-A	N/A
			6	674946-016-004-A	ES-A	N/A
			7	674946-016-004-A	ES-A	N/A
			8	674946-016-004-A	ES-A	N/A
			9	674946-016-004-A	ES-A	N/A
			10	674946-016-004-A	ES-A	N/A
			11	674946-016-004-A	ES-A	N/A



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KEY

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

Phase 1 Habitats

- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- G2, Running water
- J2.4, Fence
- J2.5, Wall
- J2.6, Dry ditch
- A1.1.1, Broadleaved woodland - semi-natural
- A1.1.2, Broadleaved woodland - plantation
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- B2.2, Neutral grassland - semi-improved
- B6, Poor semi-improved grassland
- C3.1, Other tall herb and fern - ruderal
- F1, Swamp
- G1, Standing water
- G1.1, Standing water - eutrophic
- J1.2, Cultivated/disturbed land - amenity grassland
- J1.4, Introduced shrub
- J2.6, Dry ditch
- J3.6, Buildings
- J4, Bare ground
- J5, Other habitat

Aerial Assessment Habitats

- Broadleaved Parkland/scattered trees
- Scrub - dense/continuous
- Neutral grassland - semi-improved
- Cultivated/disturbed land - amenity grassland

Other

- Target Note
- Mammal Trail

ES-A	AC	DM	CF	28/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

Client

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Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping
Sheet 1 of 22
APFP Regulation 5(2)(a)

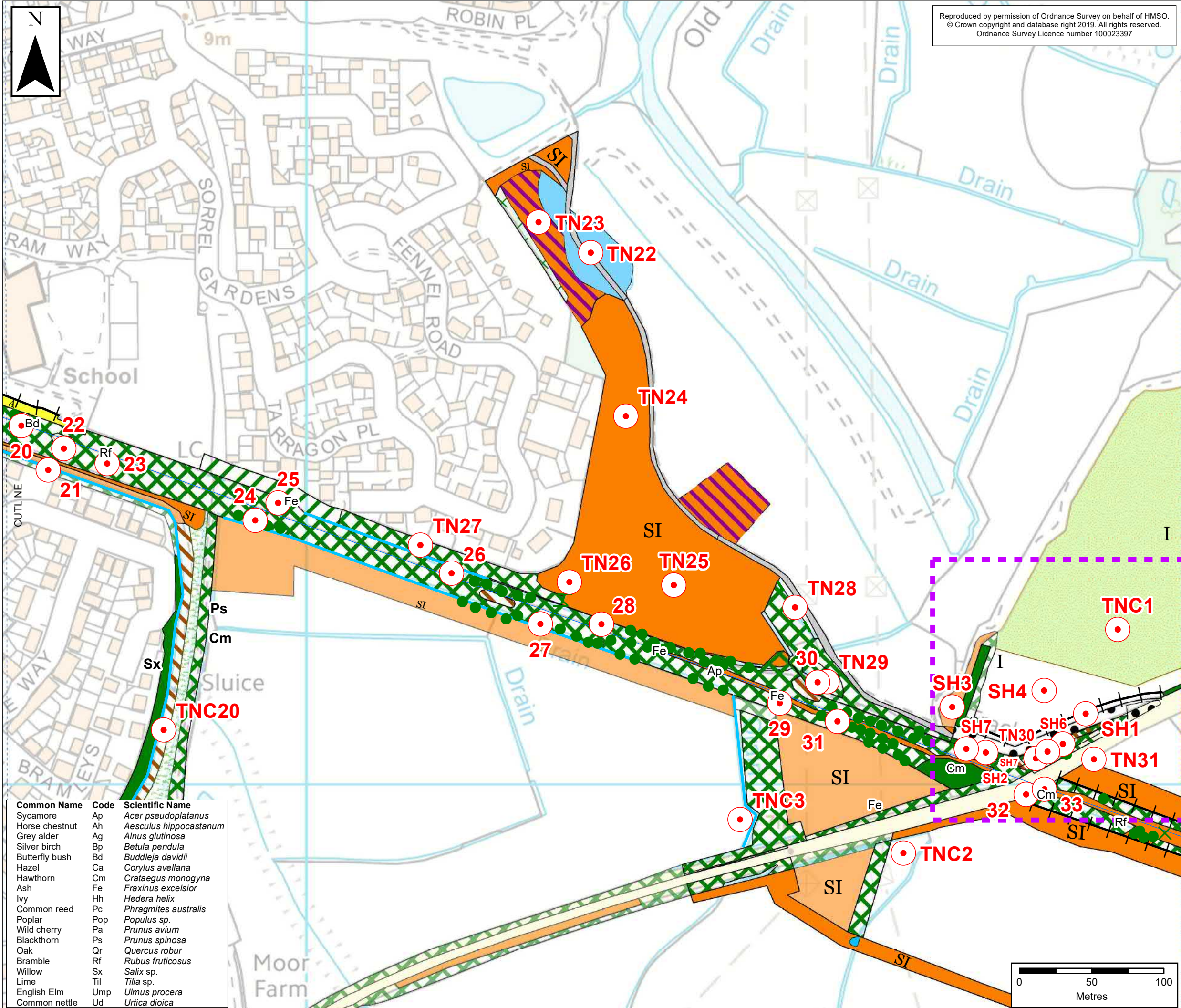
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Checked By : Debbie Mackenzie **Date:** 28/10/2019

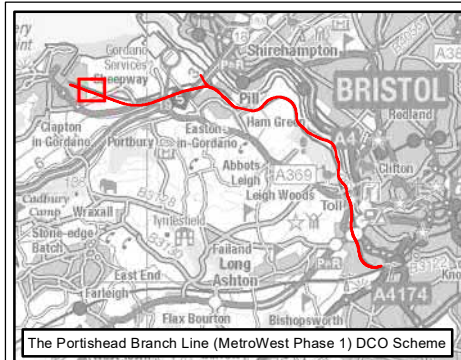
Approved By : Carolyn Francis **Date:** 28/10/2019

Drawing No. : 674946-001-002-A **Revision** ES-A

Drawing Scale : 1:2,500



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The Portishead Branch Line (MetroWest Phase 1) DCO Scheme

KEY

Portishead Branch Line
The Nationally Significant Infrastructure Project (NSIP) Works

- Phase 1 Habitats**
- A2.2, Scrub - scattered
 - A3.1, Broadleaved Parkland/scattered trees
 - G2, Running water
 - J2.2.1, Defunct hedge - native species-rich
 - J2.2.2, Defunct hedge - species-poor
 - J2.4, Fence
 - A1.1.1, Broadleaved woodland - semi-natural
 - A1.1.2, Broadleaved woodland - plantation
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - B5, Marsh/marshy grassland
 - B6, Poor semi-improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - F1, Swamp
 - G1, Standing water
 - J1.2, Cultivated/disturbed land - amenity grassland
 - J1.4, Introduced shrub
 - J4, Bare ground
 - J5, Other habitat

- Aerial Assessment Habitats**
- Scrub - dense/continuous
 - Neutral grassland - semi-improved
 - Improved grassland
 - Poor semi-improved grassland

Other
Target Note

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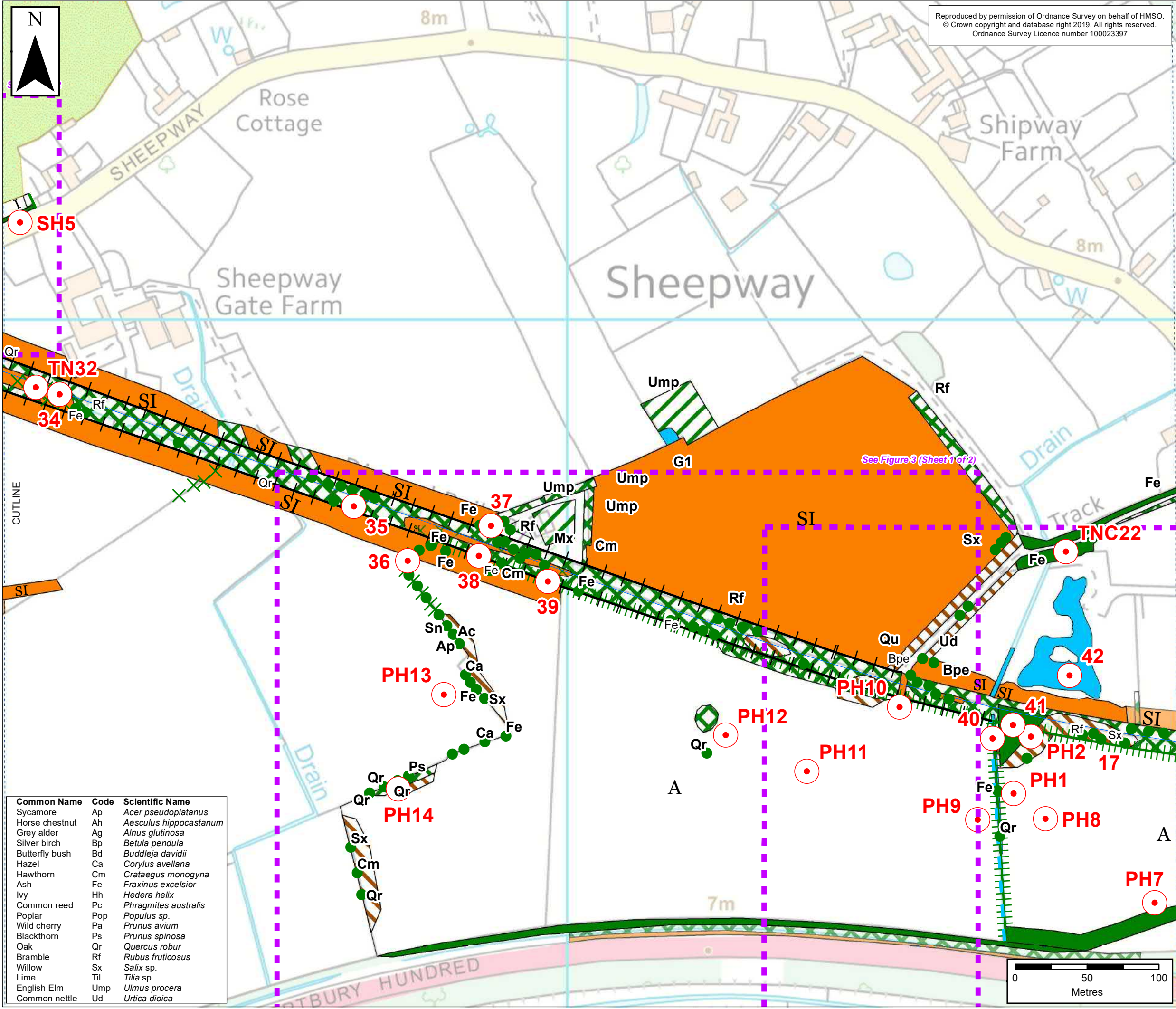
Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping
Sheet 2 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

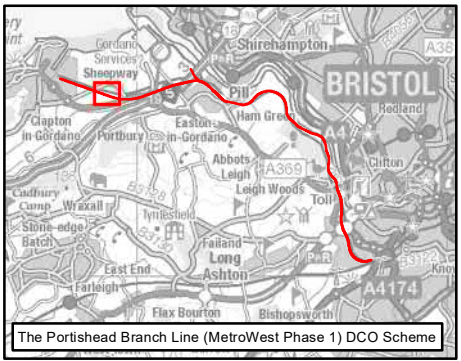
Drawing No. : 674946-001-002-A
Revision : ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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The Portishead Branch Line (MetroWest Phase 1) DCO Scheme

KEY

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

- Phase 1 Habitats**
- A2.2, Scrub - scattered
 - A3.1, Broadleaved Parkland/scattered trees
 - J2.1.2, Intact hedge - species-poor
 - J2.3.2, Hedge with trees - species-poor
 - J2.4, Fence
 - J2.6, Dry ditch
 - A1.1.1, Broadleaved woodland - semi-natural
 - A1.1.2, Broadleaved woodland - plantation
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - G1, Standing water
 - G2, Running water
 - J1.1, Cultivated/disturbed land - arable

- Aerial Assessment Habitats**
- Scrub - dense/continuous
 - Neutral grassland - semi-improved
 - Improved grassland

- Other**
- Target Note

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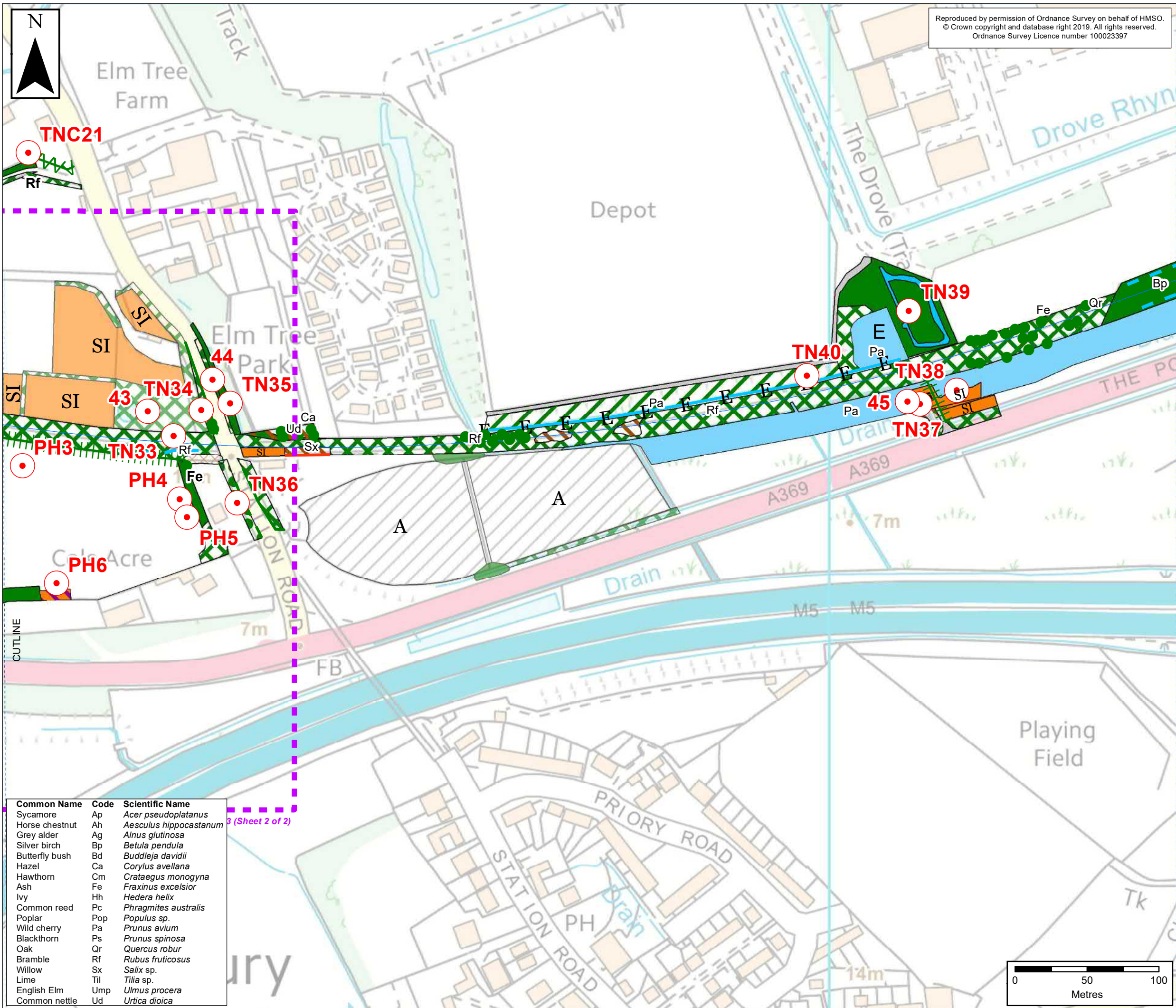
Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping
Sheet 3 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

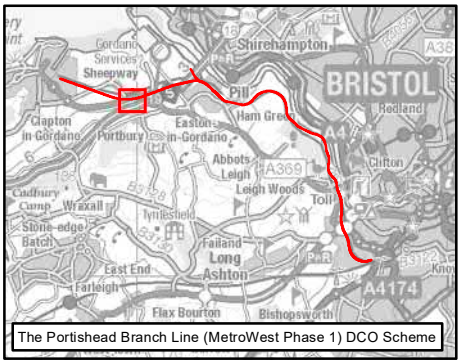
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Revision : ES-A

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Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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The Portishead Branch Line (MetroWest Phase 1) DCO Scheme

KEY

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

- Phase 1 Habitats**
- A3.1, Broadleaved Parkland/scattered trees
 - G2.1, Running water - eutrophic
 - J2.1.1, Intact hedge - native species-rich
 - J2.1.2, Intact hedge - species-poor
 - J2.2.2, Defunct hedge - species-poor
 - J2.3.2, Hedge with trees - species-poor
 - J2.5, Wall
 - J2.6, Dry ditch
 - A1.1.1, Broadleaved woodland - semi-natural
 - A1.1.2, Broadleaved woodland - plantation
 - A2.1, Scrub - dense/continuous
 - A3.1, Broadleaved Parkland/scattered trees
 - B2.2, Neutral grassland - semi-improved
 - B5, Marsh/marshy grassland
 - C3.1, Other tall herb and fern - ruderal
 - F1, Swamp
 - G1.1, Standing water - eutrophic
 - J1.1, Cultivated/disturbed land - arable
 - J1.4, Introduced shrub
 - J3.6, Buildings
 - J5, Other habitat

- Aerial Assessment Habitats**
- Broadleaved woodland - semi-natural
 - Scrub - dense/continuous
 - Neutral grassland - semi-improved
 - Cultivated/disturbed land - arable

- Other**
- Target Note

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Project : **Portishead Branch Line (MetroWest Phase 1)**

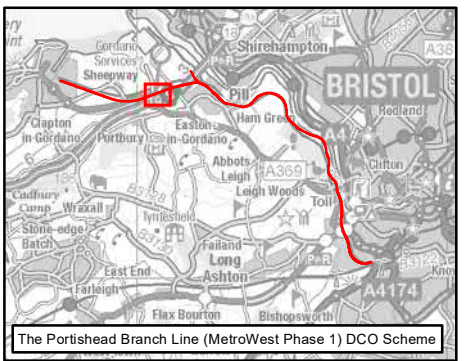
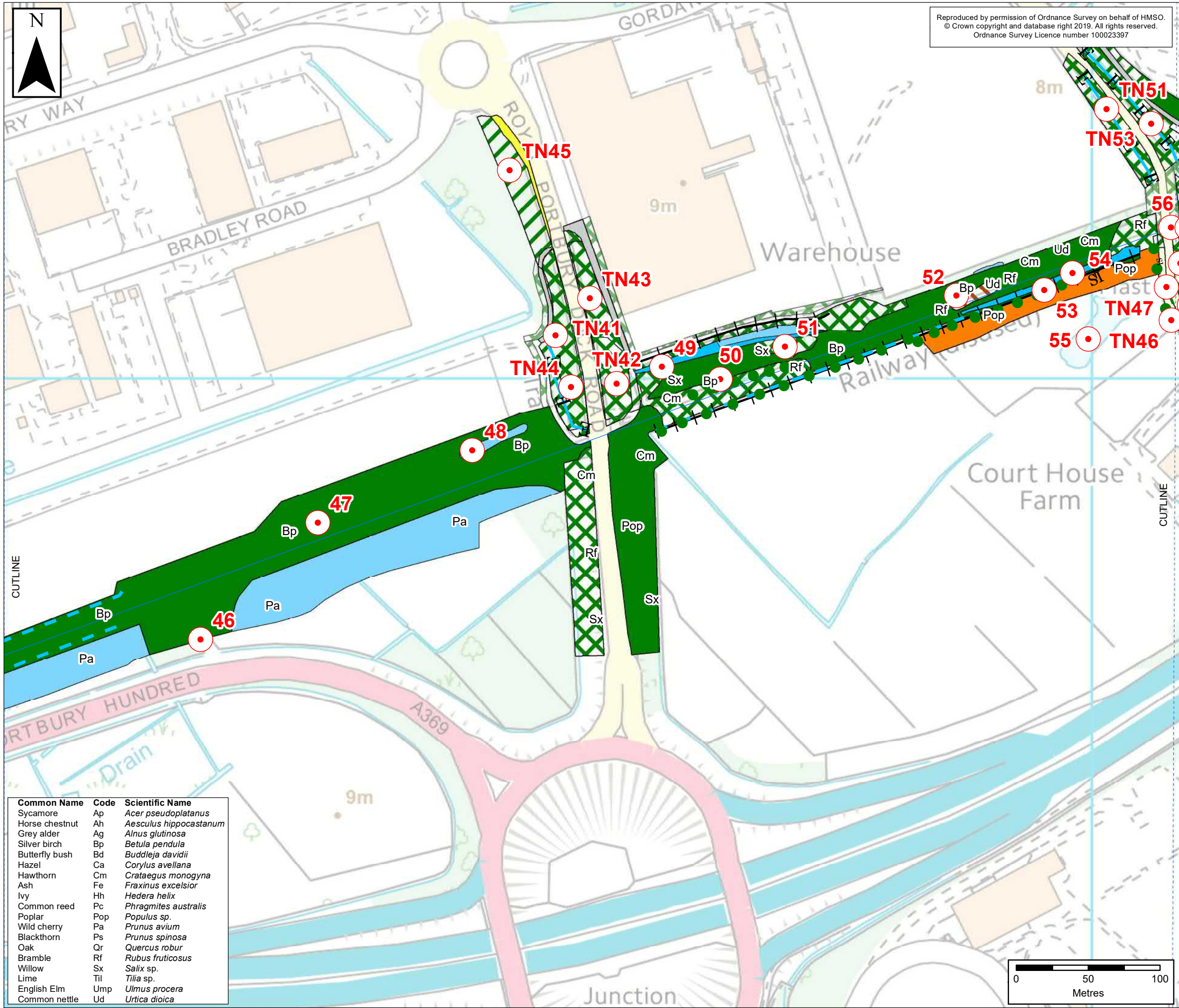
Drawing : **Figure 1 Phase 1 and Aerial Assessment Habitat Mapping Sheet 4 of 22**
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. : **674946-001-002-A** Revision **ES-A**

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
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Willow	Sx	<i>Salix sp.</i>
Lime	Tl	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- A3.1, Broadleaved Parkland/scattered trees
- G2.1, Running water - eutrophic
- J2.2.2, Defunct hedge - species-poor
- J2.4, Fence
- J2.6, Dry ditch
- A1.1.1, Broadleaved woodland - semi-natural
- A1.1.2, Broadleaved woodland - plantation
- A2.1, Scrub - dense/continuous
- B2.2, Neutral grassland - semi-improved
- B6, Poor semi-improved grassland
- C3.1, Other tall herb and fern - ruderal
- F1, Swamp
- G1, Standing water
- I2.4, Refuse-tip
- J1.2, Cultivated/disturbed land - amenity grassland
- J5, Other habitat

Aerial Assessment Habitats

- Scrub - dense/continuous

Other

- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
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Project : **Portishead Branch Line
(MetroWest Phase 1)**

Drawing : **Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 5 of 22
APFP Regulation 5(2)(a)**

Drawn By : Andy Collinson Date: 28/10/2019

Checked By : Debbie Mackenzie Date: 28/10/2019

Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. :

674946-001-002-A

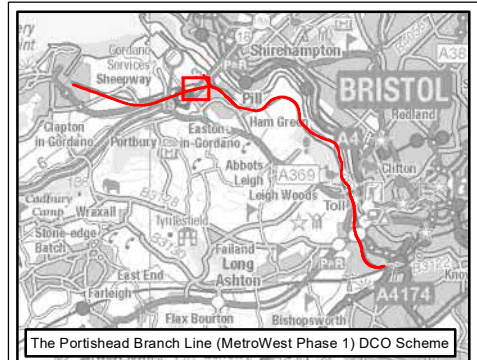
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KEY

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works
- The Associated Development Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- A3.1, Broadleaved Parkland/scattered trees
- G2.1, Running water - eutrophic
- J2.1.2, Intact hedge - species-poor
- J2.2.2, Defunct hedge - species-poor
- J2.3.1, Hedge with trees - native species-rich
- J2.3.2, Hedge with trees - species-poor
- J2.4, Fence
- J2.6, Dry ditch
- A1.1.1, Broadleaved woodland - semi-natural
- A1.1.2, Broadleaved woodland - plantation
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- B5, Marsh/marshy grassland
- B6, Poor semi-improved grassland
- C3.1, Other tall herb and fern - ruderal
- F1, Swamp
- G1, Standing water
- I2.4, Refuse-tip
- J3.6, Buildings
- J4, Bare ground
- J5, Other habitat

Aerial Assessment Habitats

- Scrub - dense/continuous
- Neutral grassland - semi-improved
- Bare ground

- Target Note

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(MetroWest Phase 1)

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Assessment Habitat Mapping
Sheet 6 of 22
APFP Regulation 5(2)(a)

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Approved By: Carolyn Francis Date: 28/10/2019

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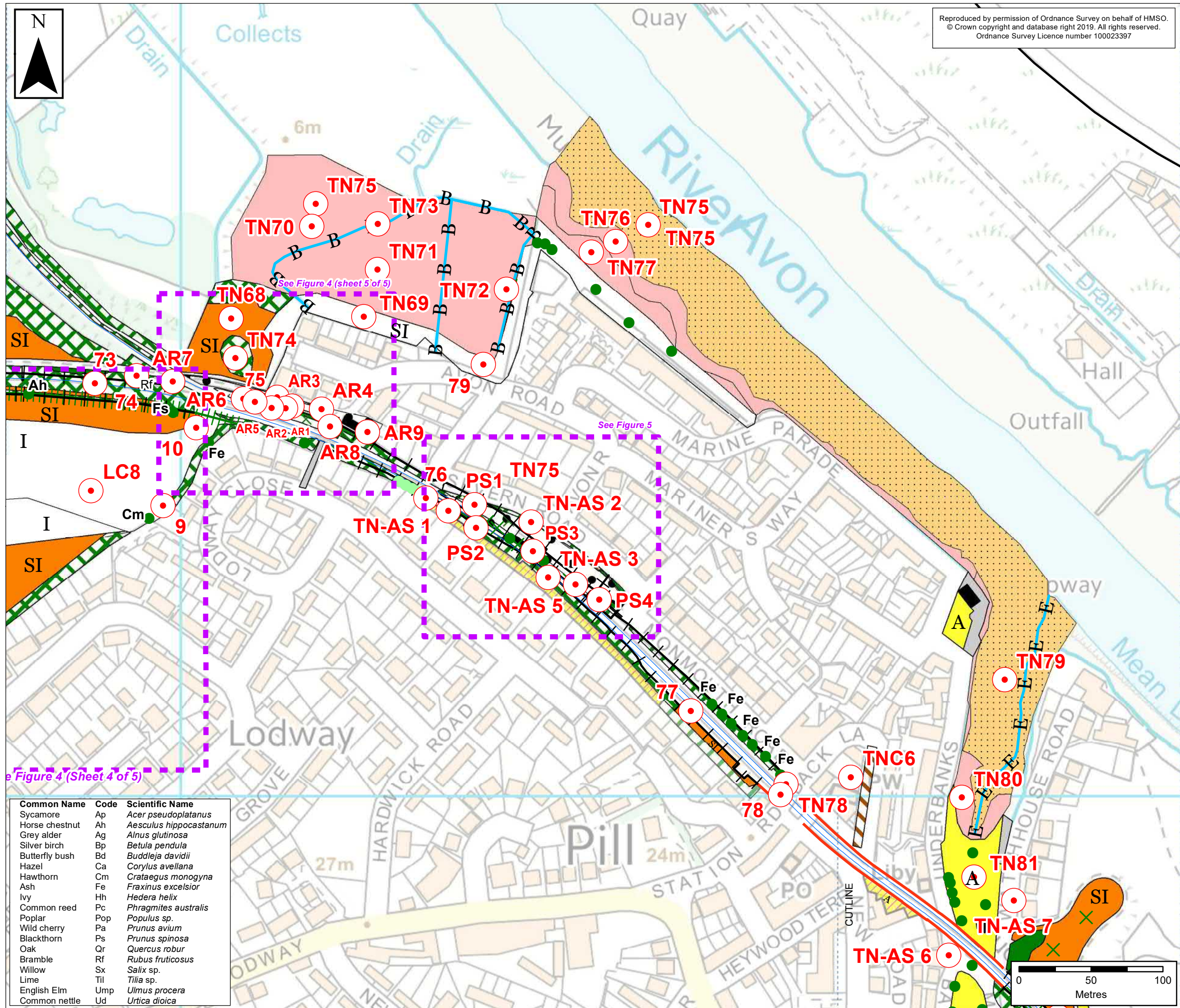
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Revision

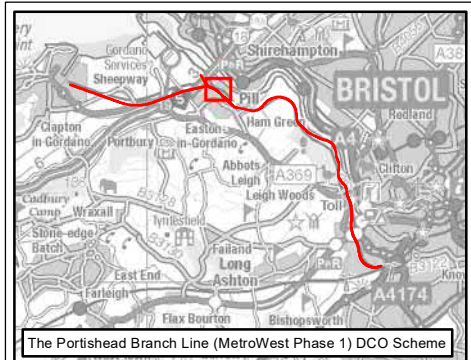
ES-A

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Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
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Common nettle	Ud	<i>Urtica dioica</i>



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KEY

- Existing Railway Line
- The Nationally Significant Infrastructure Project (NSIP) Works
- The Associated Development Works

- Phase 1 Habitats**
- A2.2, Scrub - scattered
 - A3.1, Broadleaved Parkland/scattered trees
 - A3.2, Coniferous Parkland/scattered trees
 - G2.1, Running water - eutrophic
 - G2.6, Running water - brackish
 - J2.2.2, Defunct hedge - species-poor
 - J2.3.2, Hedge with trees - species-poor
 - J2.4, Fence
 - J2.5, Wall
 - A1.1.1, Broadleaved woodland - semi-natural
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - B6, Poor semi-improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - H1.1, Intertidal - mud/sand
 - H2.6, Saltmarsh - dense/continuous
 - J1.2, Cultivated/disturbed land - amenity grassland
 - J3.6, Buildings
 - J4, Bare ground
 - J5, Other habitat

- Aerial Assessment Habitats**
- Scrub - dense/continuous
 - Cultivated/disturbed land - amenity grassland

- Other**
- Target Note

Rev	By	Chkd	Apprvd	Date	Description
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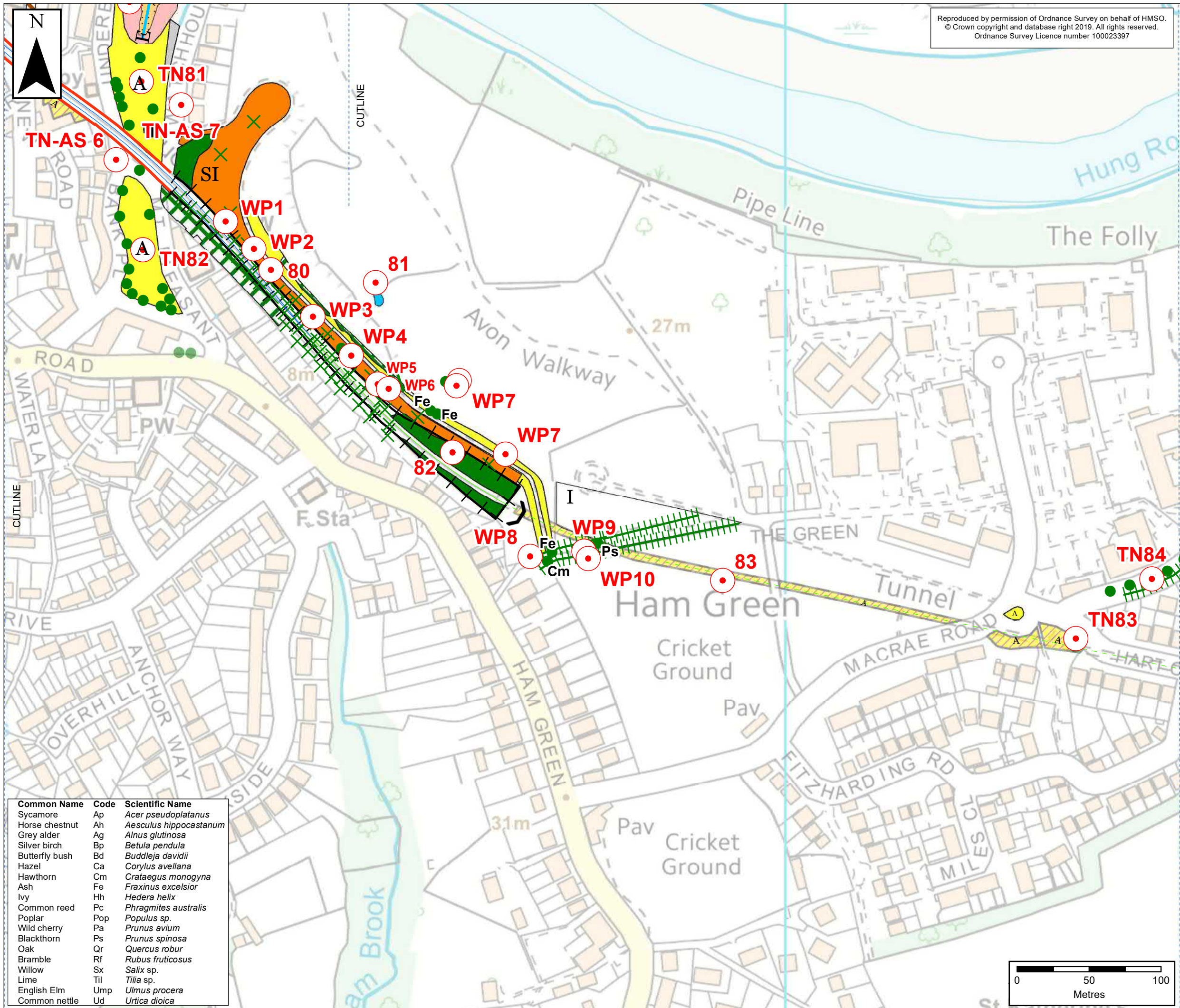
Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping Sheet 7 of 22
APFP Regulation 5(2)(a)

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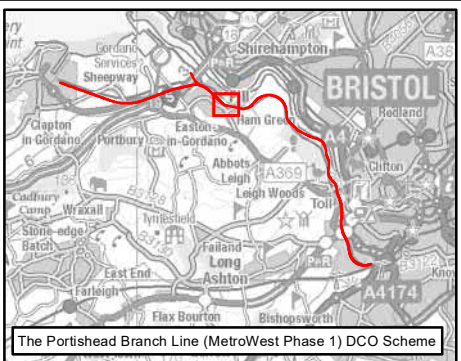
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Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Tl	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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KEY

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works
- The Associated Development Works
- Section in Tunnel

Phase 1 Habitats

- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- A3.1, Broadleaved Parkland/scattered trees
- G2.1, Running water - eutrophic
- J2.1.2, Intact hedge - species-poor
- J2.3.2, Hedge with trees - species-poor
- J2.4, Fence
- J2.5, Wall
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- C3.1, Other tall herb and fern - ruderal
- G1, Standing water
- H1.1, Intertidal - mud/sand
- H2.6, Saltmarsh - dense/continuous
- J1.2, Cultivated/disturbed land - amenity grassland
- J3.6, Buildings
- J5, Other habitat

Aerial Assessment Habitats

- Broadleaved Parkland/scattered trees
- Cultivated/disturbed land - amenity grassland

Other

- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 8 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019

Checked By : Debbie Mackenzie Date: 28/10/2019

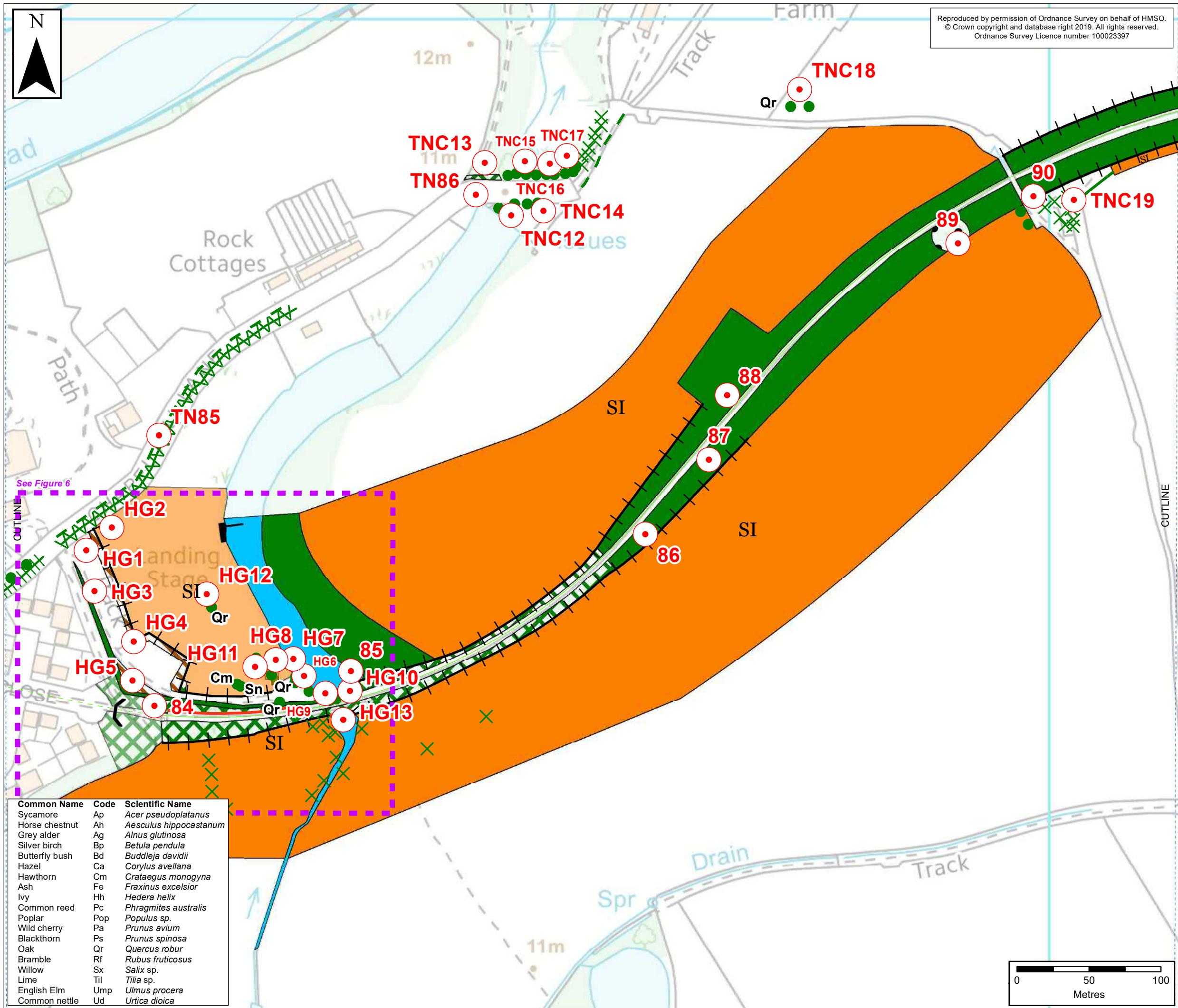
Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. :
674946-001-002-A

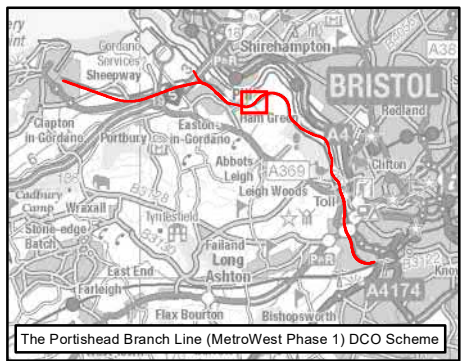
Revision
ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
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English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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KEY

Portishead Branch Line

- The Associated Development Works
- Section in Tunnel

Phase 1 Habitats

- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- A3.1, Broadleaved Parkland/scattered trees
- J2.1.1, Intact hedge - native species-rich
- J2.1.2, Intact hedge - species-poor
- J2.2.2, Defunct hedge - species-poor
- J2.3.2, Hedge with trees - species-poor
- J2.4, Fence
- J2.5, Wall
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- B2.2, Neutral grassland - semi-improved
- C3.1, Other tall herb and fern - ruderal
- G1, Standing water
- J3.6, Buildings
- J4, Bare ground

Aerial Assessment Habitats

- Scrub - dense/continuous
- Neutral grassland - semi-improved

Other

- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 9 of 22
APFP Regulation 5(2)(a)

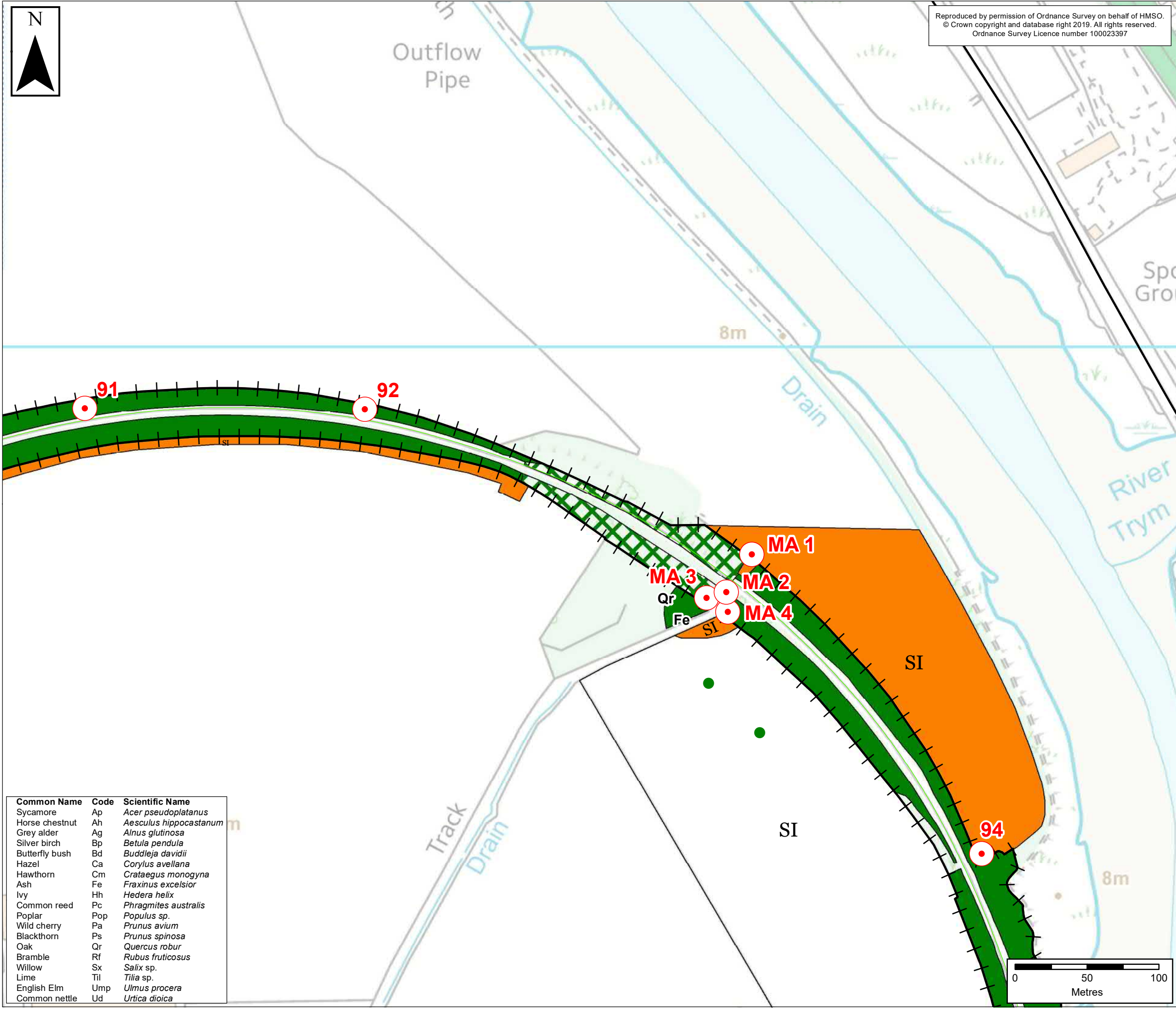
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Checked By : Debbie Mackenzie **Date:** 28/10/2019

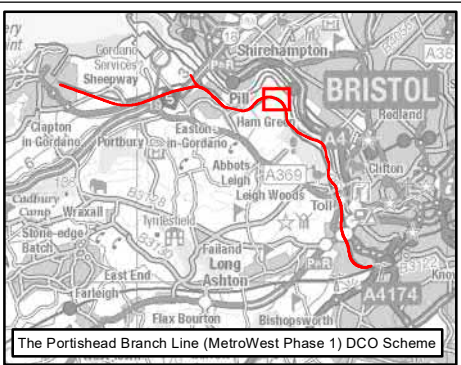
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KEY

— Existing Railway Line

Portishead Branch Line

— The Associated Development Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- ⊥ J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- ▨ A2.1, Scrub - dense/continuous
- B2.2, Neutral grassland - semi-improved
- B6, Poor semi-improved grassland

Aerial Assessment Habitats

Other

- Target Note

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>

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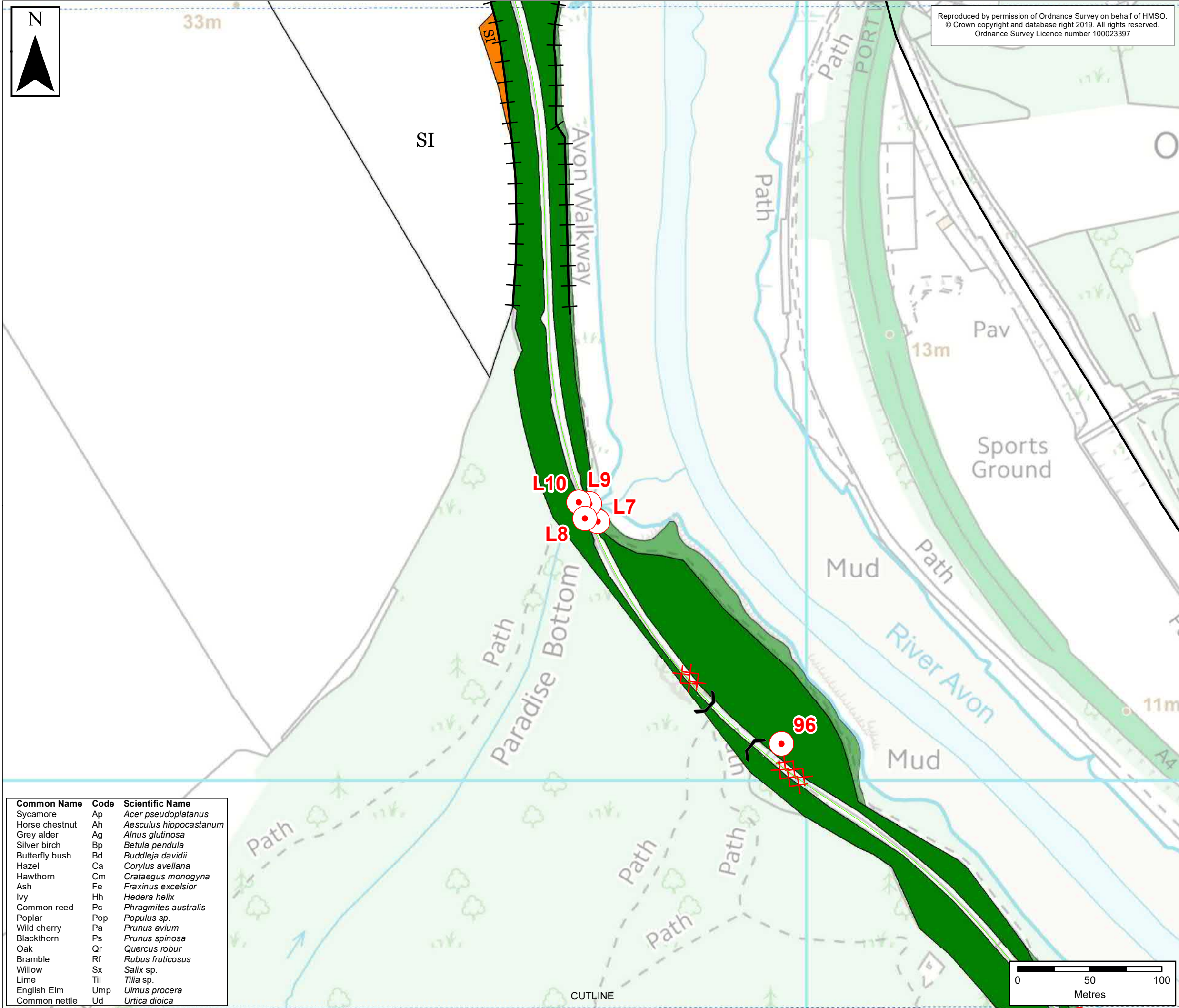
Project : **Portishead Branch Line (MetroWest Phase 1)**

Drawing : **Figure 1 Phase 1 and Aerial Assessment Habitat Mapping Sheet 10 of 22**
APFP Regulation 5(2)(a)

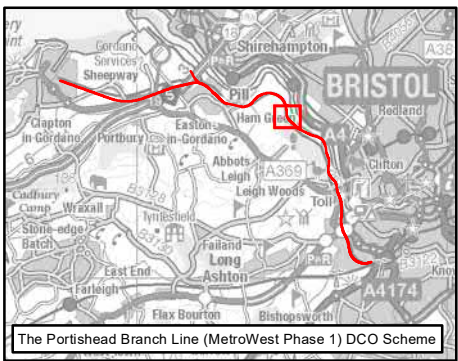
Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
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Drawing Scale : 1:2,500



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KEY

- Existing Railway Line
- Portishead Branch Line**
- The Associated Development Works
- I1.1.2, Inland cliff - basic
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- B2.2, Neutral grassland - semi-improved
- B6, Poor semi-improved grassland

Aerial Assessment Habitats

- Broadleaved woodland - semi-natural

Other

- Target Note

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Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 11 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson **Date:** 28/10/2019

Checked By : Debbie Mackenzie **Date:** 28/10/2019

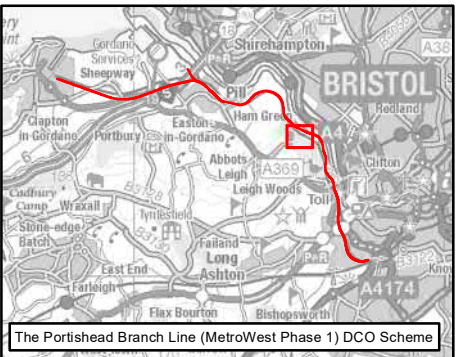
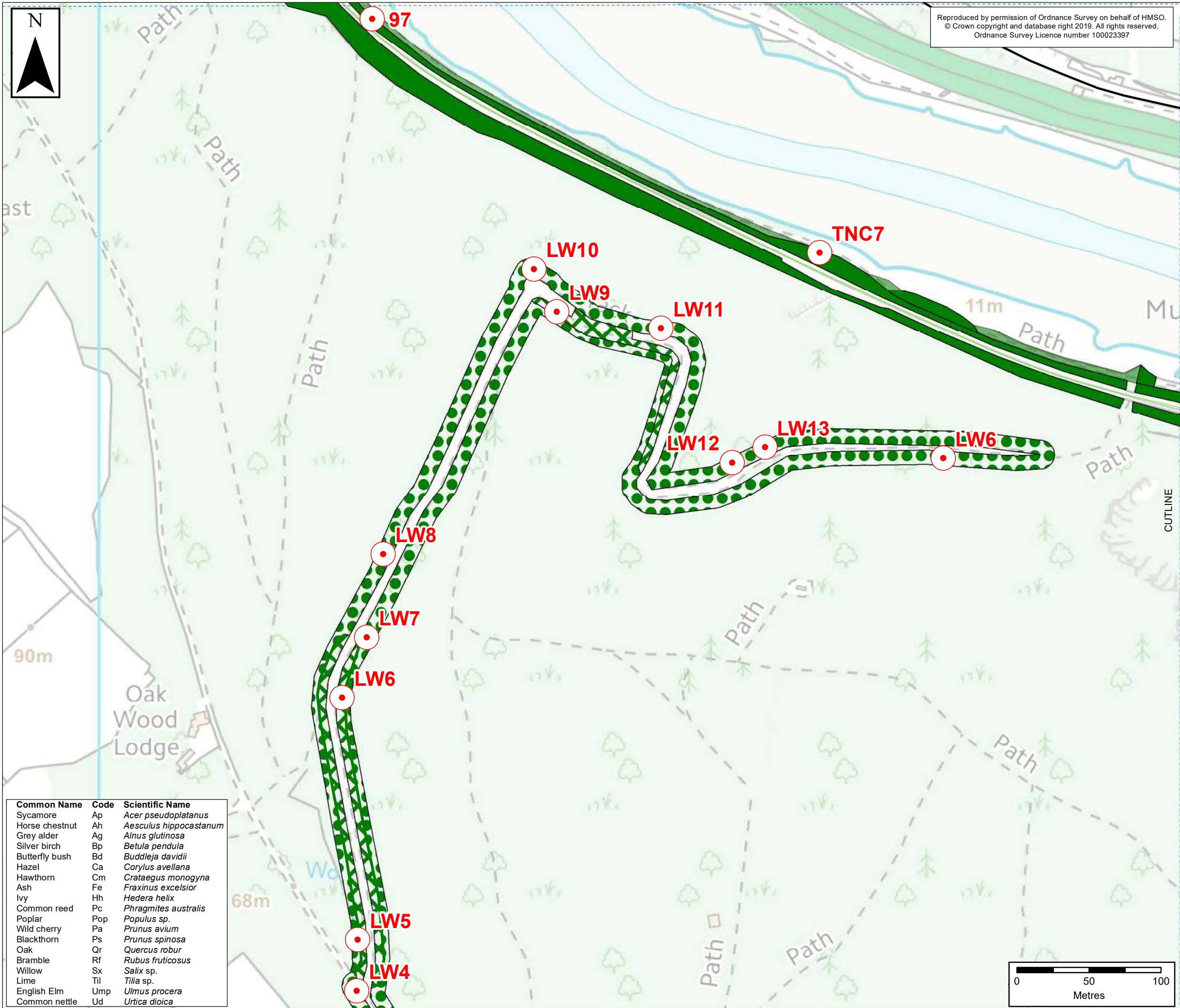
Approved By : Carolyn Francis **Date:** 28/10/2019

Drawing No. :
674946-001-002-A

Revision
ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

- Existing Railway Line
- Portishead Branch Line
- The Associated Development Works
 - J2.1.2, Intact hedge - species-poor
 - A1.1.1, Broadleaved woodland - semi-natural
 - A2.1, Scrub - dense/continuous
 - A3.1, Broadleaved Parkland/scattered trees
- Aerial Assessment Habitats
- Broadleaved woodland - semi-natural
- Other
- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
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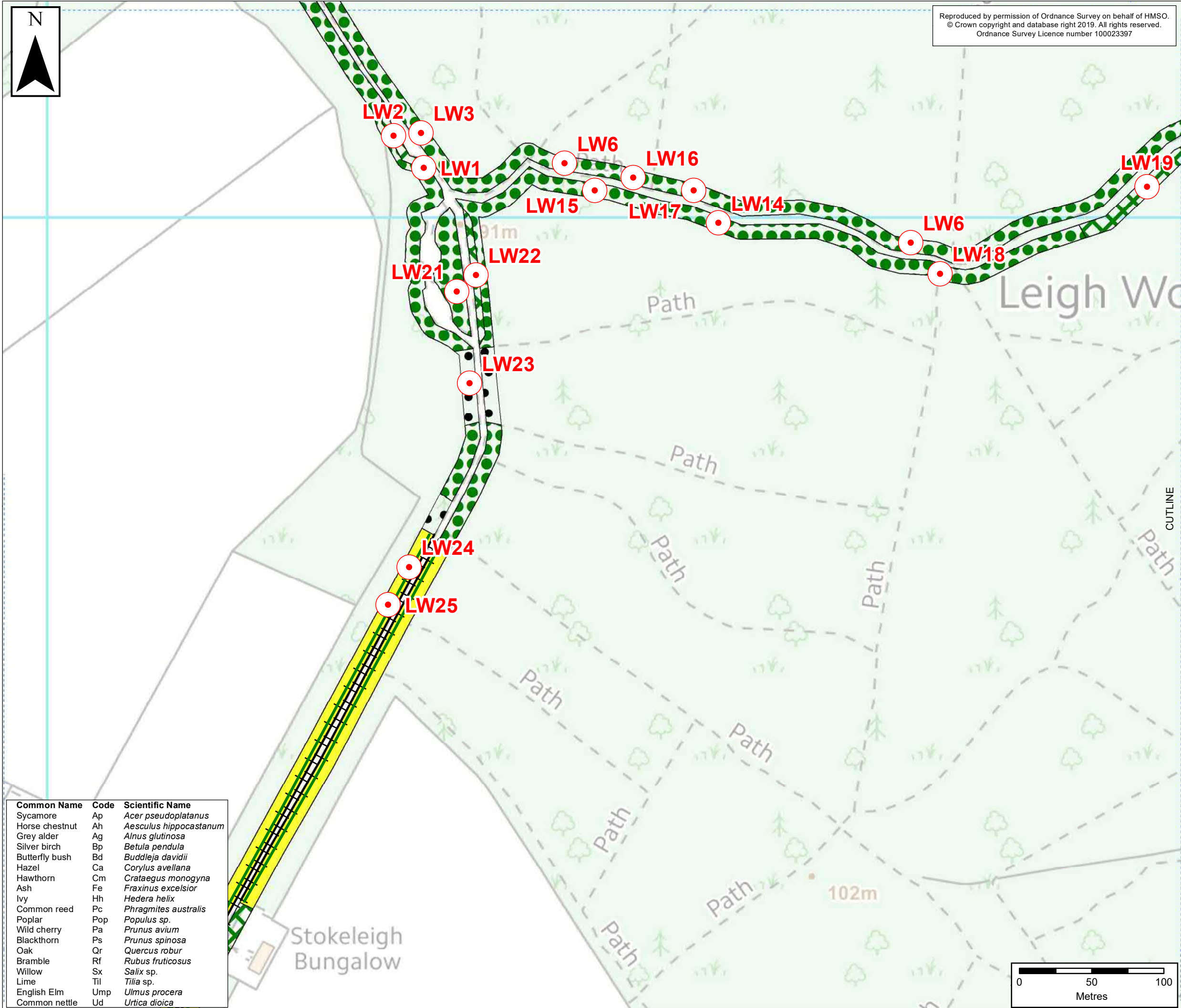
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping Sheet 12 of 22
APFP Regulation 5(2)(a)

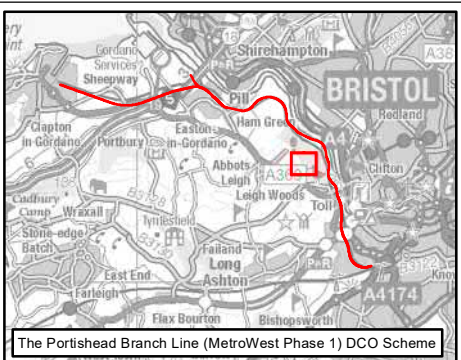
Drawn By : Andy Collinson Date: 28/10/2019
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KEY

- J2.1.2, Intact hedge - species-poor
- J2.4, Fence
- A2.1, Scrub - dense/continuous
- A3.1, Broadleaved Parkland/scattered trees
- J1.2, Cultivated/disturbed land - amenity grassland
- J4, Bare ground

Aerial Assessment Habitats

Other

- Target Note

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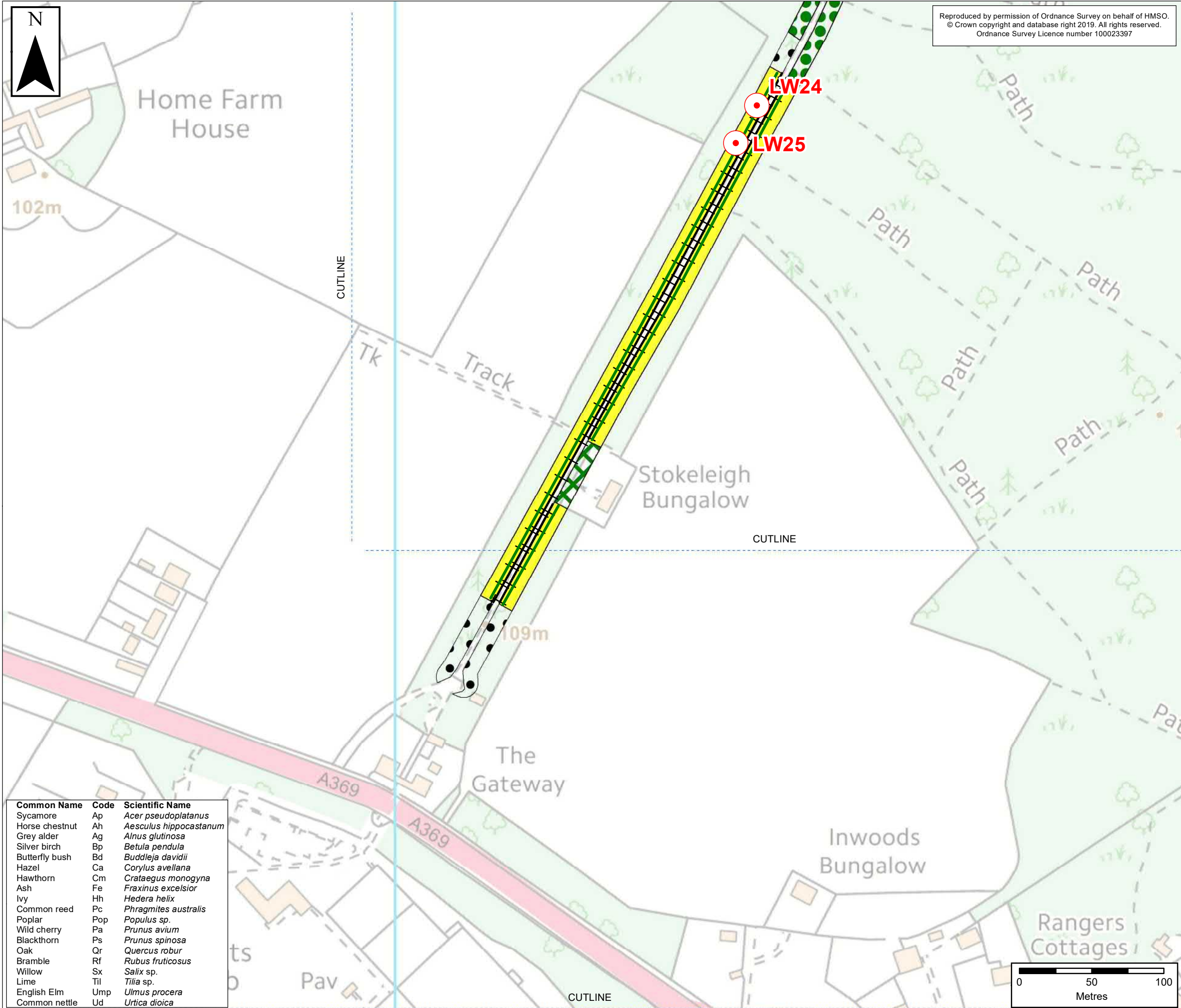
Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping Sheet 13 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

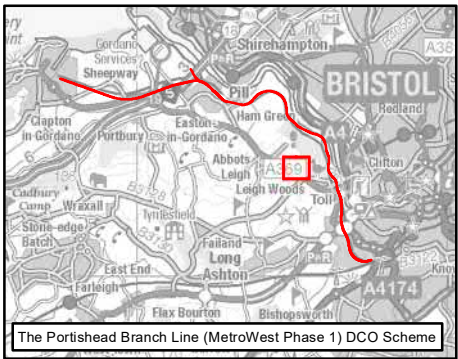
Drawing No. : 674946-001-002-A Revision ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
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Common nettle	Ud	<i>Urtica dioica</i>



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KEY

- J2.1.2, Intact hedge - species-poor
- J2.4, Fence
- A2.1, Scrub - dense/continuous
- A3.1, Broadleaved Parkland/scattered trees
- J1.2, Cultivated/disturbed land - amenity grassland
- J4, Bare ground

Aerial Assessment Habitats

Other

- Target Note

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Project : Portishead Branch Line (MetroWest Phase 1)

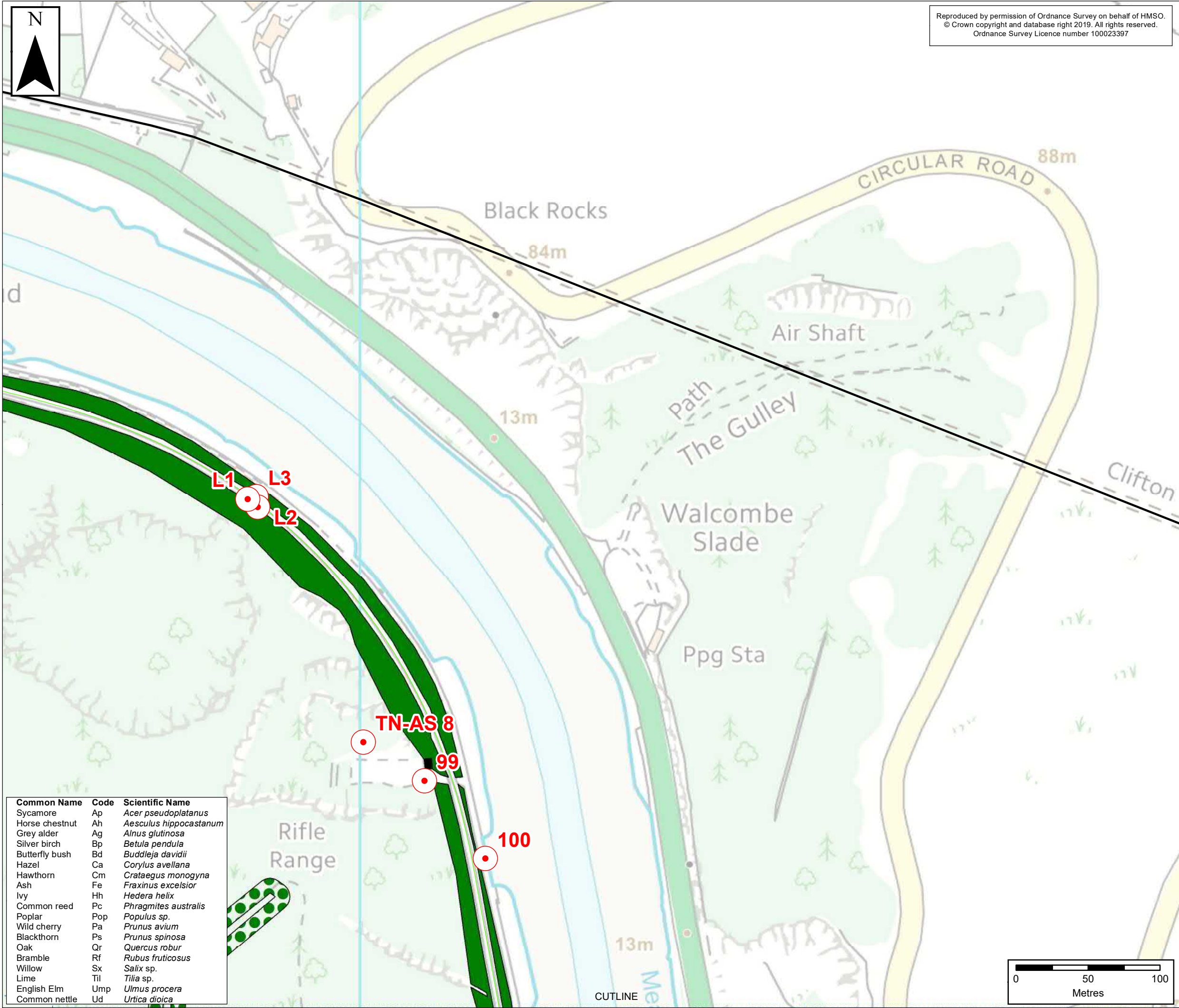
Drawing : Figure 1 Phase 1 and Aerial Assessment Habitat Mapping Sheet 14 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

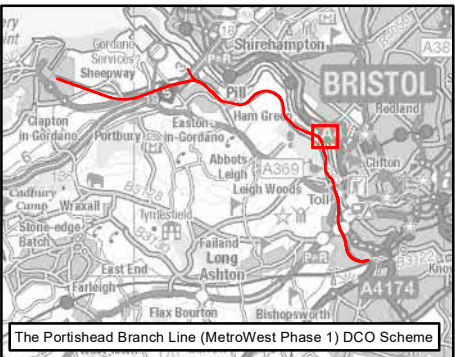
Drawing No. : 674946-001-002-A Revision ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
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Common nettle	Ud	<i>Urtica dioica</i>



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KEY

Existing Railway Line

Portishead Branch Line

The Associated Development Works

A1.1.1, Broadleaved woodland - semi-natural

A3.1, Broadleaved Parkland/scattered trees

J3.6, Buildings

Aerial Assessment Habitats

Other

Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
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Project : **Portishead Branch Line
(MetroWest Phase 1)**

Drawing : **Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 15 of 22
APFP Regulation 5(2)(a)**

Drawn By : Andy Collinson Date: 28/10/2019

Checked By : Debbie Mackenzie Date: 28/10/2019

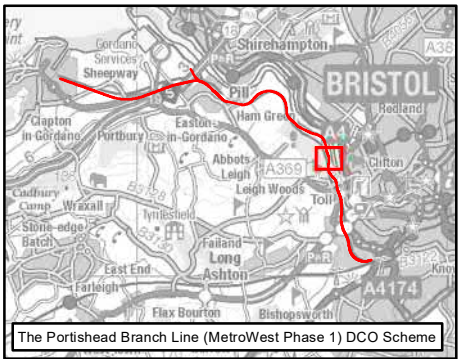
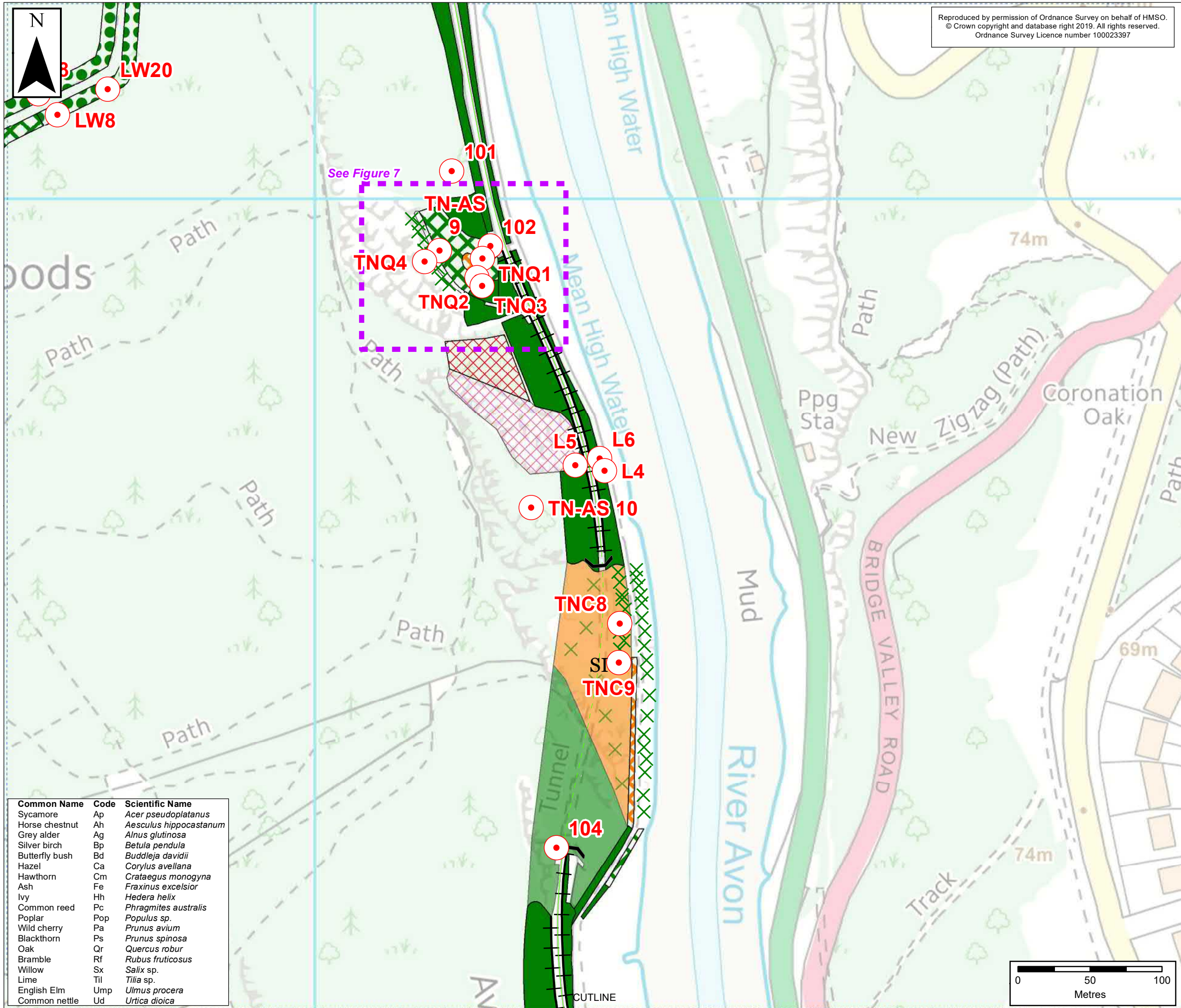
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Common Name	Code	Scientific Name
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Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
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Common nettle	Ud	<i>Urtica dioica</i>



- KEY**
- Portishead Branch Line**
- The Associated Development Works
 - Section in Tunnel
- Phase 1 Habitats**
- A2.2, Scrub - scattered
 - J2.4, Fence
 - A1.1.1, Broadleaved woodland - semi-natural
 - A2.1, Scrub - dense/continuous
 - A3.1, Broadleaved Parkland/scattered trees
 - B3.1, Calcareous grassland - unimproved
 - I1.4.2, Other exposure - basic
 - I2.1, Quarry
- Aerial Assessment Habitats**
- Scrub - scattered
 - Broadleaved woodland - semi-natural
 - Neutral grassland - semi-improved
 - Other exposure - basic
- Other**
- Target Note

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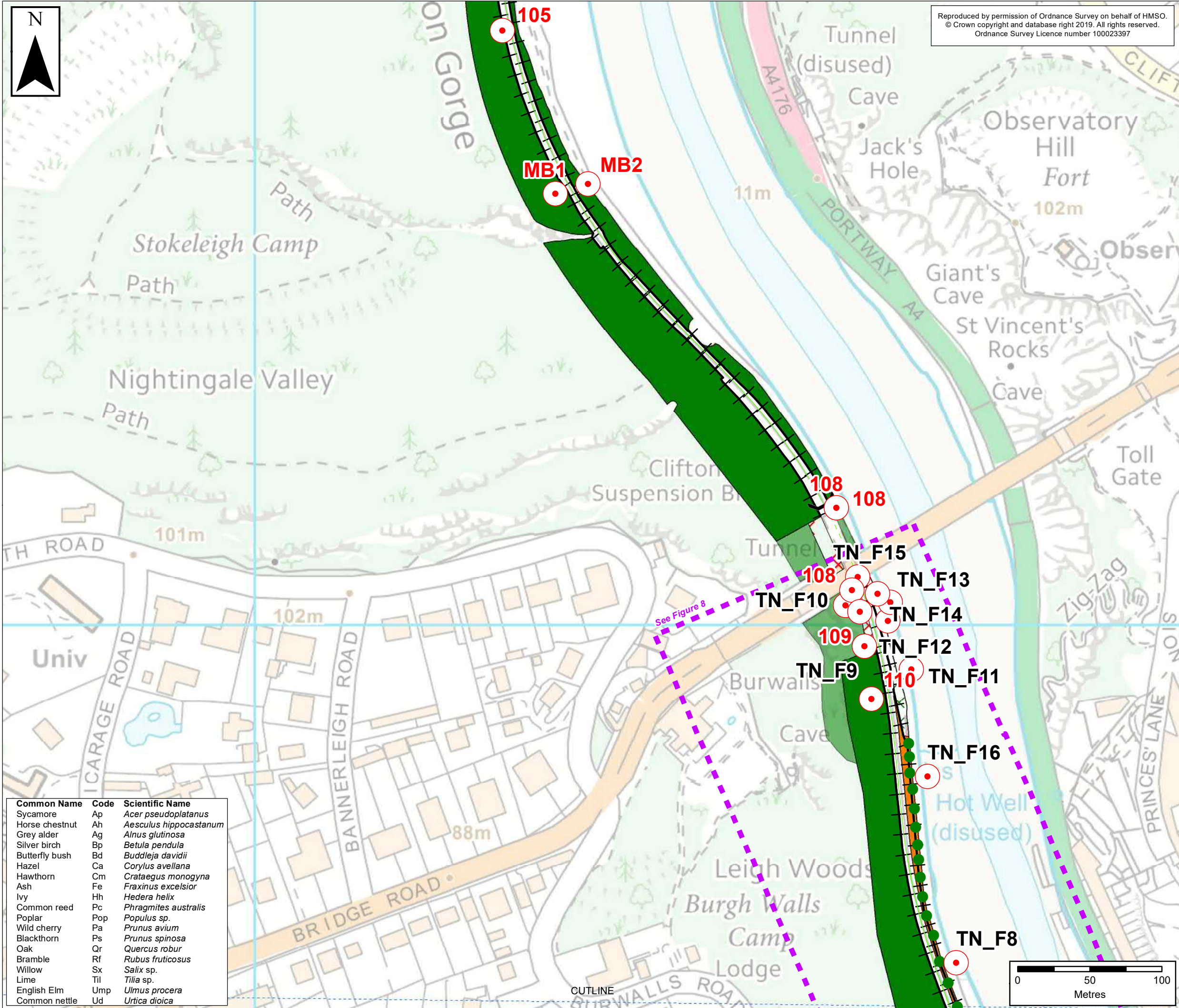
Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 16 of 22
APFP Regulation 5(2)(a)

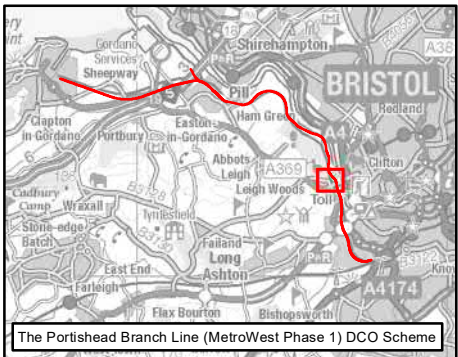
Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. : 674946-001-002-A Revision
ES-A

Drawing Scale : 1:2,500



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KEY

Portishead Branch Line

- The Associated Development Works
- Section in Tunnel

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- I1.1.2, Inland cliff - basic

Aerial Assessment Habitats

- Broadleaved woodland - semi-natural

Other

- Target Note

Rev	By	Chkd	Apprvd	Date	Description
ES-A	AC	DM	CF	28/10/2019	First Issue

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Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 17 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019

Checked By : Debbie Mackenzie Date: 28/10/2019

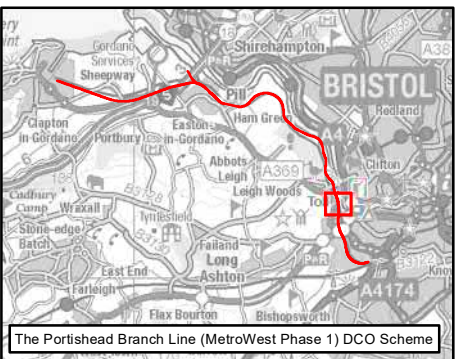
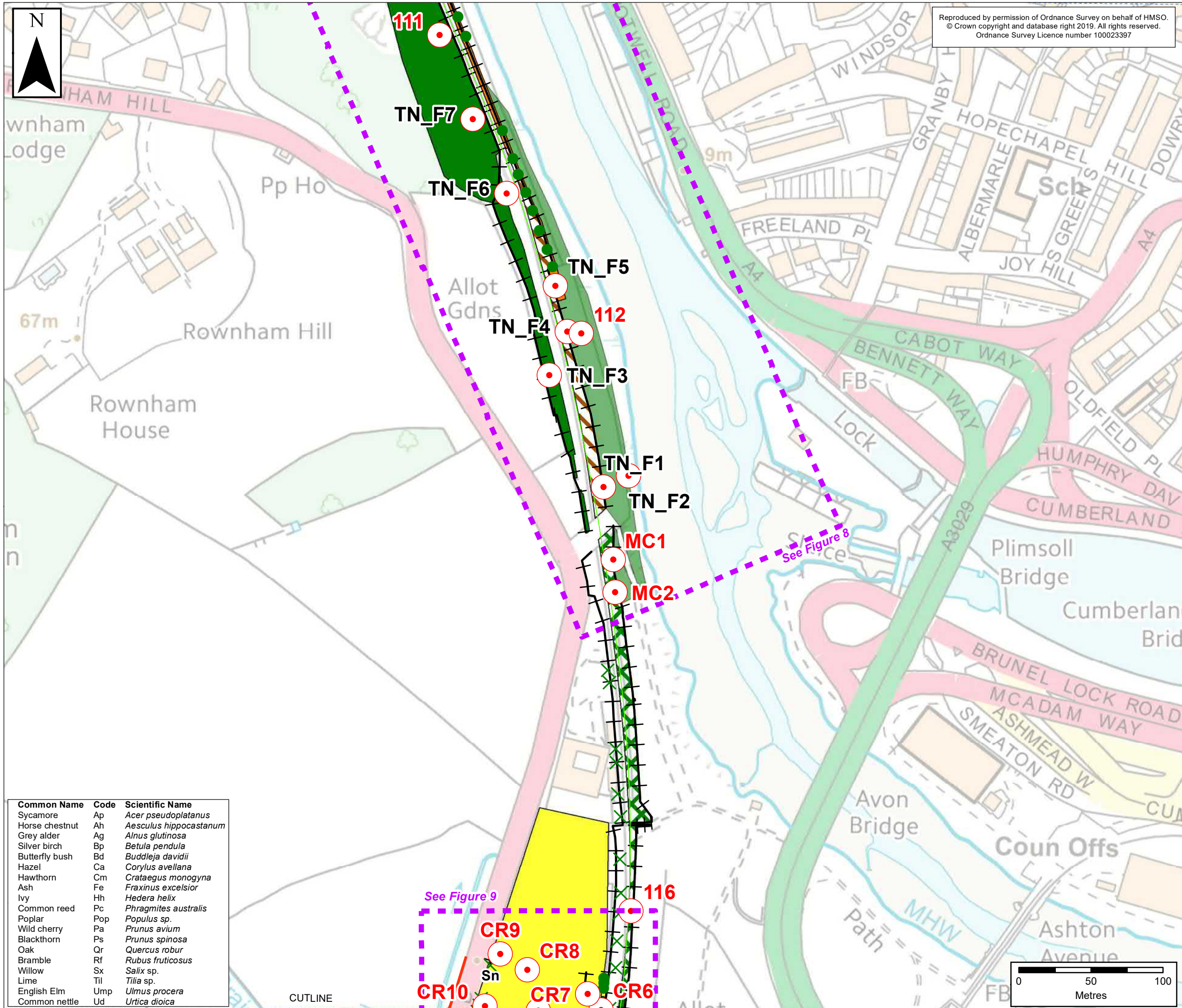
Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. :
674946-001-002-A

Revision
ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY	
Portishead Branch Line	
The Associated Development Works	
Phase 1 Habitats	
A2.2, Scrub - scattered	
A3.1, Broadleaved Parkland/scattered trees	
J2.4, Fence	
J2.5, Wall	
A1.1.1, Broadleaved woodland - semi-natural	
A2.1, Scrub - dense/continuous	
B2.2, Neutral grassland - semi-improved	
B4, Improved grassland	
C3.1, Other tall herb and fern - ruderal	
J1.2, Cultivated/disturbed land - amenity grassland	
J4, Bare ground	
Aerial Assessment Habitats	
Broadleaved woodland - semi-natural	
Other	
Target Note	

ES-A	AC	DM	CF	28/10/2019	First Issue
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Project : Portishead Branch Line
(MetroWest Phase 1)

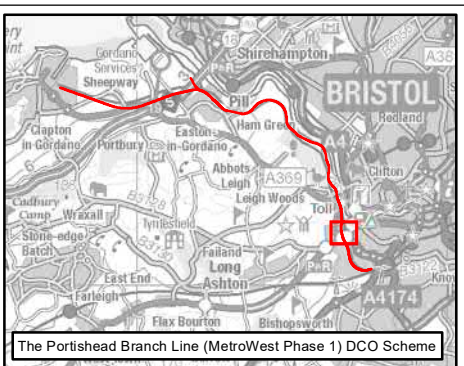
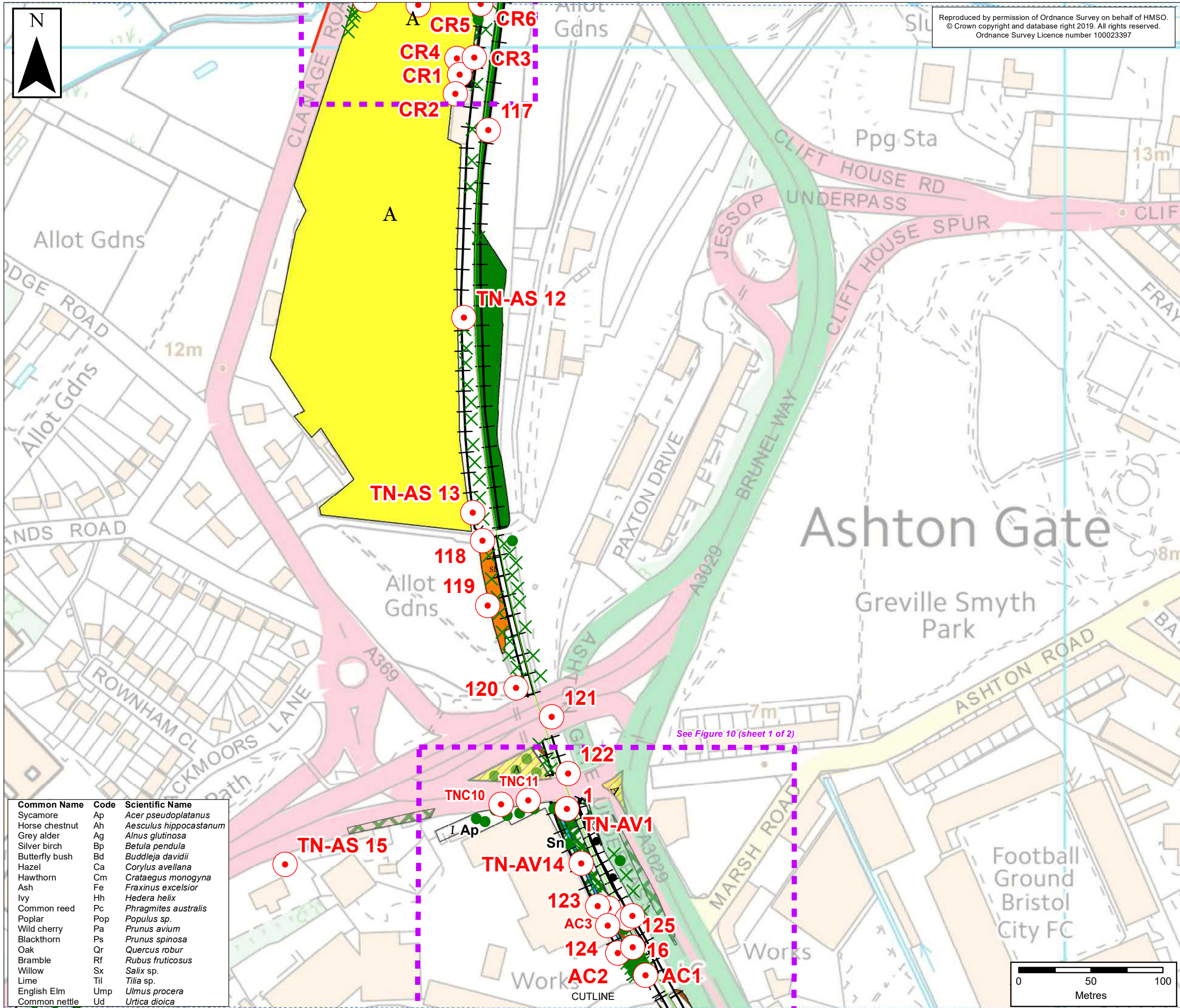
Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 18 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. : 674946-001-002-A Revision
ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



- KEY**
- Portishead Branch Line**
- The Associated Development Works
- Phase 1 Habitats**
- A2.2, Scrub - scattered
 - A3.1, Broadleaved Parkland/scattered trees
 - A3.2, Coniferous Parkland/scattered trees
 - J2.4, Fence
 - J2.5, Wall
 - A1.1.1, Broadleaved woodland - semi-natural
 - A1.1.2, Broadleaved woodland - plantation
 - A2.1, Scrub - dense/continuous
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - G1, Standing water
 - J1.2, Cultivated/disturbed land - amenity grassland
 - J1.3, Cultivated/disturbed land - ephemeral/short perennial
 - J3.6, Buildings
 - J4, Bare ground
- Aerial Assessment Habitats**
- Broadleaved Parkland/scattered trees
 - Scrub - dense/continuous
 - Cultivated/disturbed land - amenity grassland
- Other**
- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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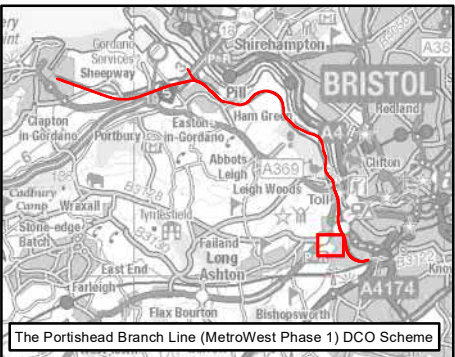
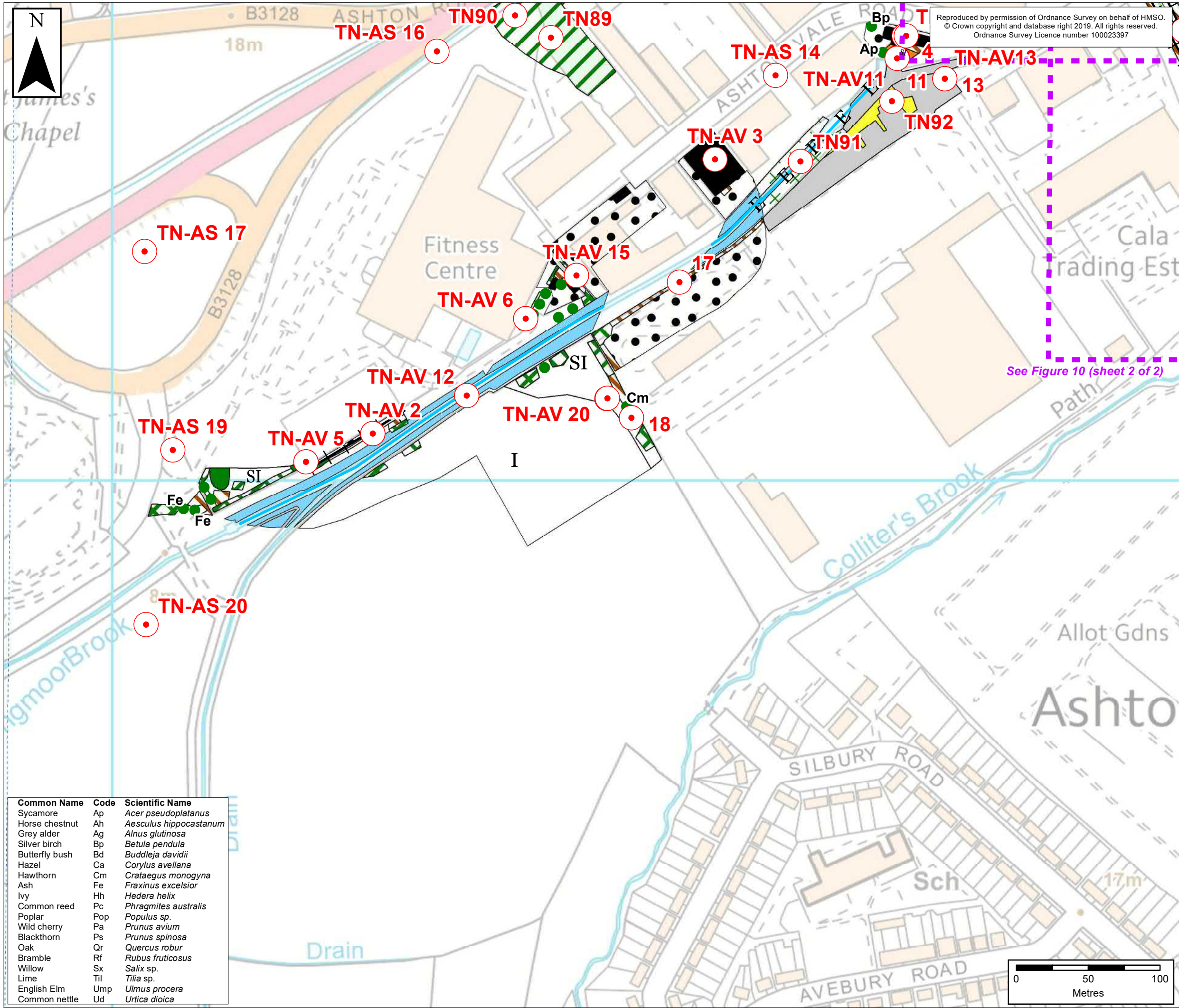
Project: Portishead Branch Line
(MetroWest Phase 1)

Drawing: Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 19 of 22
APFP Regulation 5(2)(a)

Drawn By: Andy Collinson Date: 28/10/2019
Checked By: Debbie Mackenzie Date: 28/10/2019
Approved By: Carolyn Francis Date: 28/10/2019

Drawing No.: 674946-001-002-A Revision
ES-A

Drawing Scale: 1:2,500



KEY

Portishead Branch Line

The Associated Development Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- G2, Running water
- G2.1, Running water - eutrophic
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A1.1.2, Broadleaved woodland - plantation
- A1.2.1, Coniferous woodland - semi-natural
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- B6, Poor semi-improved grassland
- C3.1, Other tall herb and fern - ruderal
- F1, Swamp
- J1.2, Cultivated/disturbed land - amenity grassland
- J3.6, Buildings
- J4, Bare ground
- J5, Other habitat

Aerial Assessment Habitats

Other

- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 20 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019

Checked By : Debbie Mackenzie Date: 28/10/2019

Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. :

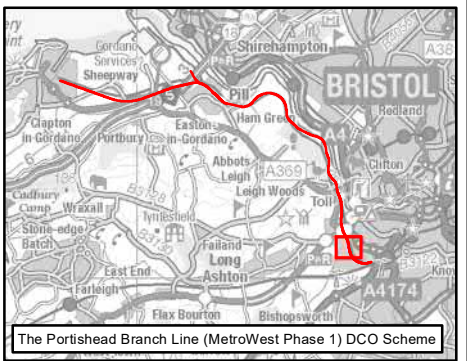
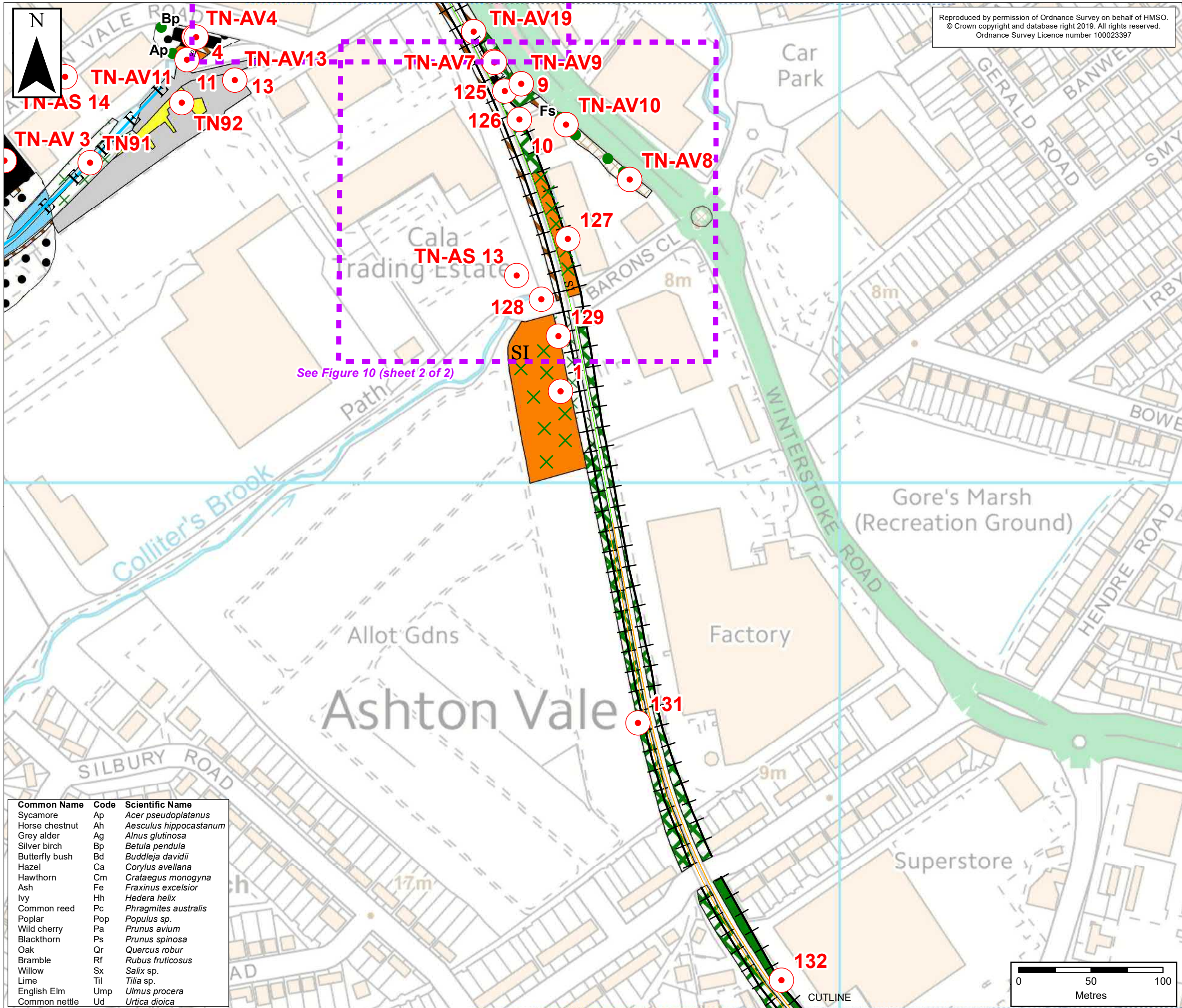
674946-001-002-A

Revision

ES-A

Drawing Scale : 1:2,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

Portishead Branch Line

- The Associated Development Works

Other Works

- Network Rail Permitted Development Rights

Phase 1 Habitats

- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- G2, Running water
- G2.1, Running water - eutrophic
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- C3.1, Other tall herb and fern - ruderal
- F1, Swamp
- J1.2, Cultivated/disturbed land - amenity grassland
- J1.4, Introduced shrub
- J3.6, Buildings
- J4, Bare ground
- J5, Other habitat

Aerial Assessment Habitats

- Introduced shrub

Other

- Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
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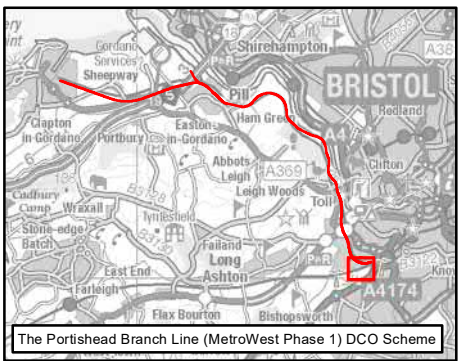
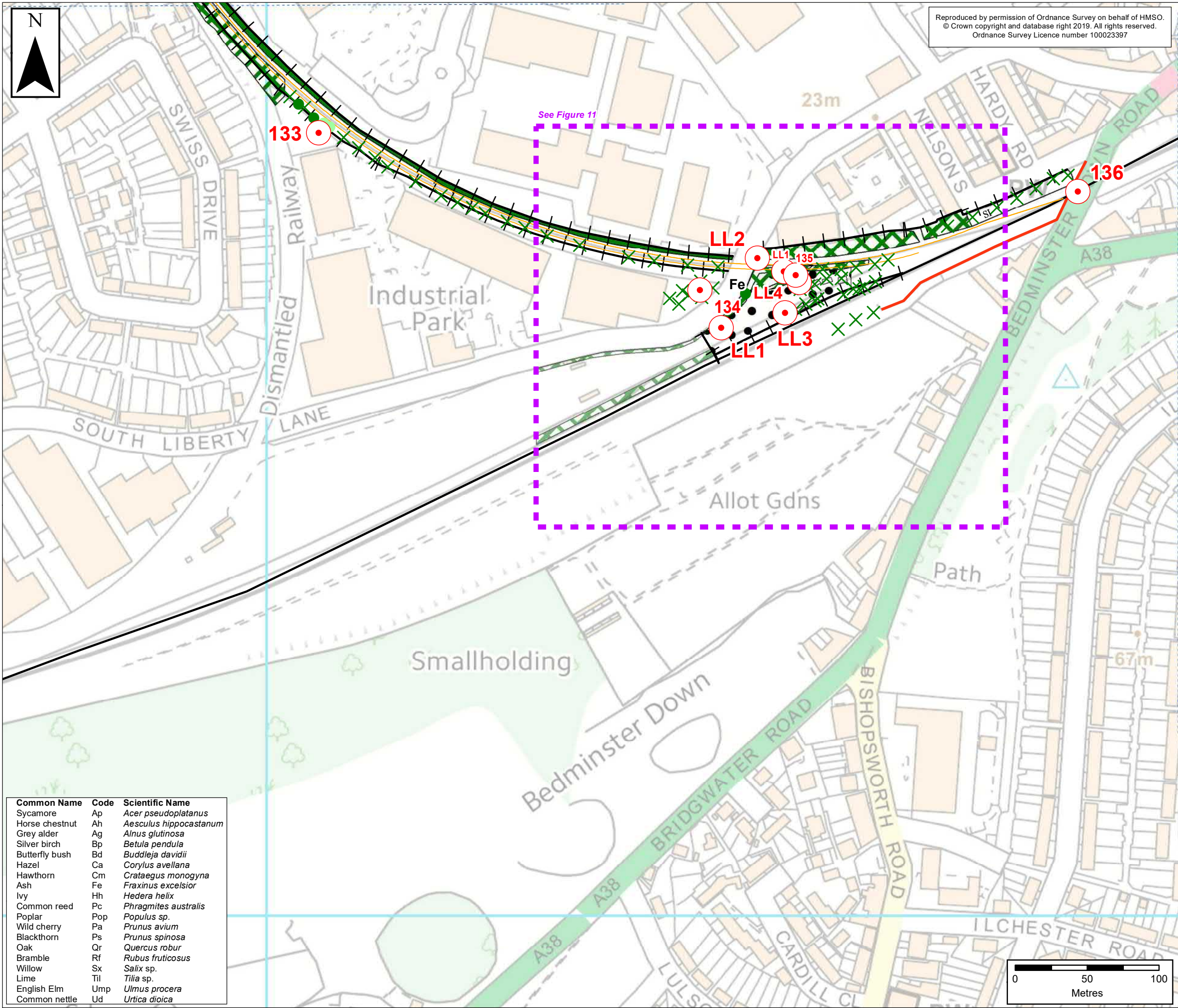
Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 21 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019
Checked By : Debbie Mackenzie Date: 28/10/2019
Approved By : Carolyn Francis Date: 28/10/2019

Drawing No. : 674946-001-002-A Revision
ES-A

Drawing Scale : 1:2,500



KEY

Existing Railway Line

Other Works

Network Rail Permitted Development Rights

Phase 1 Habitats

A2.2, Scrub - scattered

A3.1, Broadleaved Parkland/scattered trees

A3.2, Coniferous Parkland/scattered trees

J2.4, Fence

J2.5, Wall

A1.1.1, Broadleaved woodland - semi-natural

A2.1, Scrub - dense/continuous

B6, Poor semi-improved grassland

J4, Bare ground

Aerial Assessment Habitats

Scrub - dense/continuous

Other

Target Note

ES-A	AC	DM	CF	28/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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(MetroWest Phase 1)

Drawing : Figure 1 Phase 1 and Aerial
Assessment Habitat Mapping
Sheet 22 of 22
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 28/10/2019

Checked By : Debbie Mackenzie Date: 28/10/2019

Approved By : Carolyn Francis Date: 28/10/2019

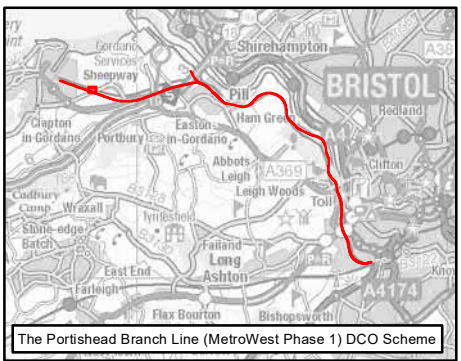
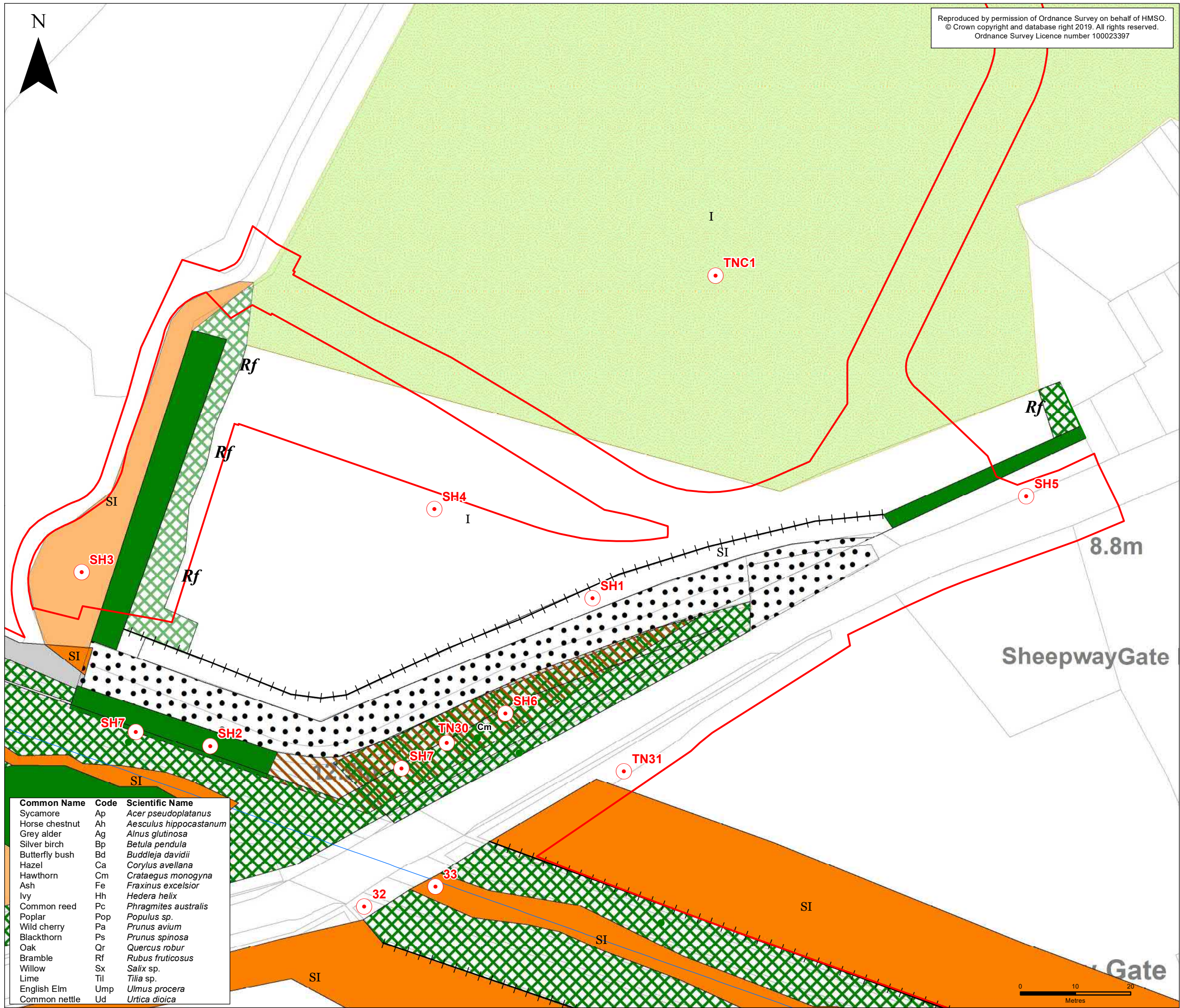
Drawing No. :

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Revision

ES-A

Drawing Scale : 1:2,500



KEY

Order Limits

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- J2.1.2, Intact hedge - species-poor
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- B6, Poor semi-improved grassland
- C3.1, Other tall herb and fern - ruderal
- J4, Bare ground
- J5, Other habitat

Aerial Assessment Habitats

- Scrub - dense/continuous
- Neutral grassland - semi-improved
- Improved grassland

Other

- Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
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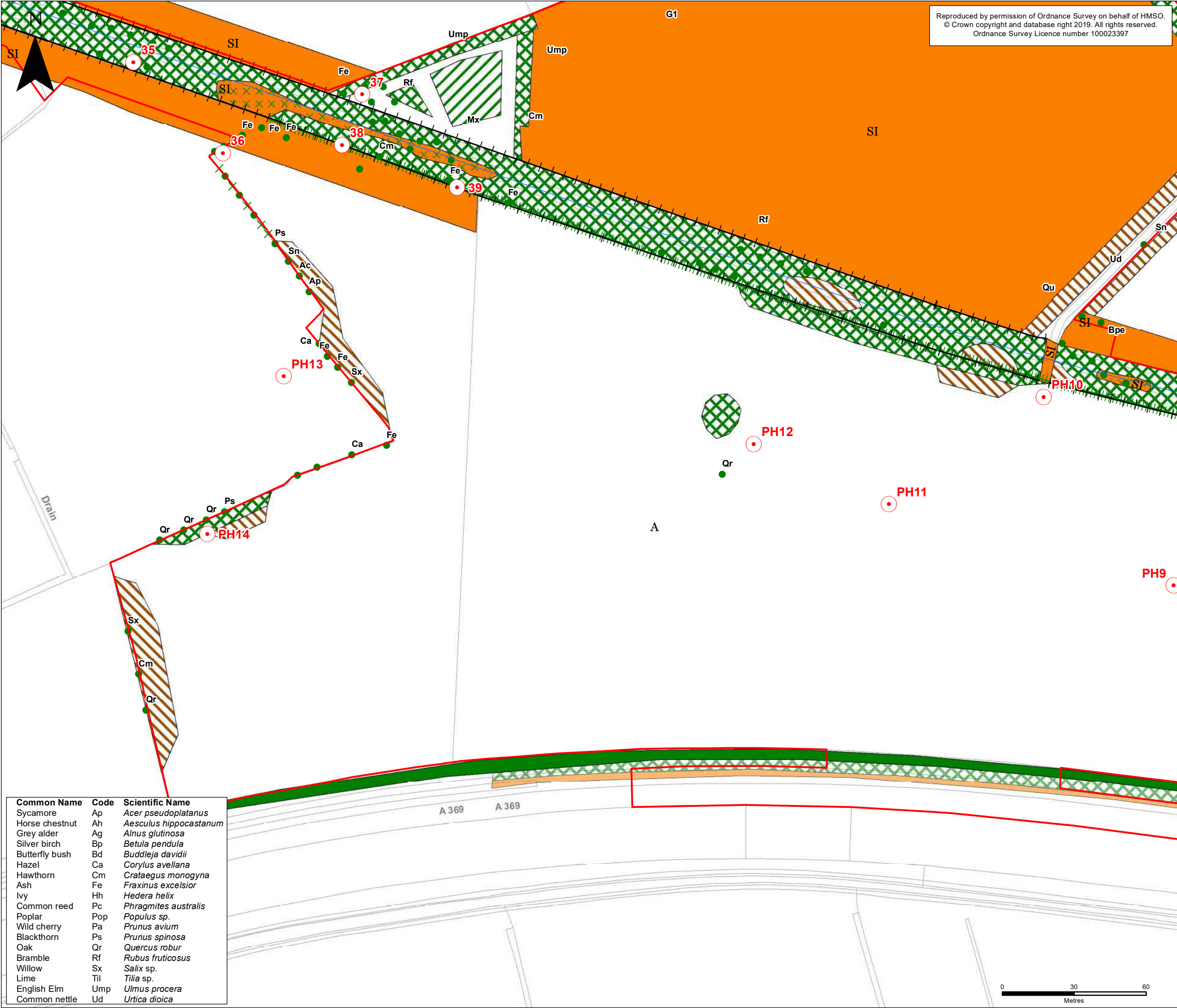
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 2 - Sheepway Construction Compound
APFP Regulation 5(2)(a)

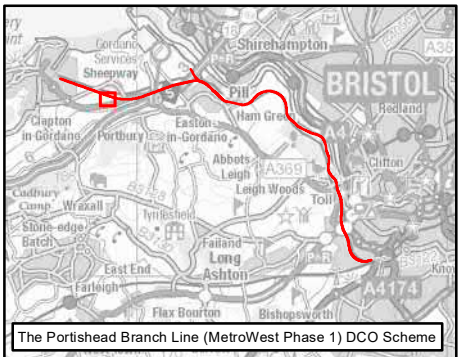
Drawn By : Andy Collinson Date: 02/10/2019
Checked By : Debbie Mackenzie Date: 02/10/2019
Approved By : Carolyn Francis Date: 02/10/2019

Drawing No. : 674946-016-004-A Revision ES-A

Drawing Scale : 1:650



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KEY

- Order Limits**
- Portishead Branch Line**
- The Nationally Significant Infrastructure Project (NSIP) Works
- Phase 1 Habitats**
- A2.2, Scrub - scattered
 - A3.1, Broadleaved Parkland/scattered trees
 - J2.3.2, Hedge with trees - species-poor
 - J2.4, Fence
 - A1.1.1, Broadleaved woodland - semi-natural
 - A1.1.2, Broadleaved woodland - plantation
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - C3.1, Other tall herb and fern - ruderal
 - J1.1, Cultivated/disturbed land - arable
- Aerial Assessment Habitats**
- Scrub - dense/continuous
 - Neutral grassland - semi-improved
- Other**
- Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : **Portishead Branch Line (MetroWest Phase 1)**

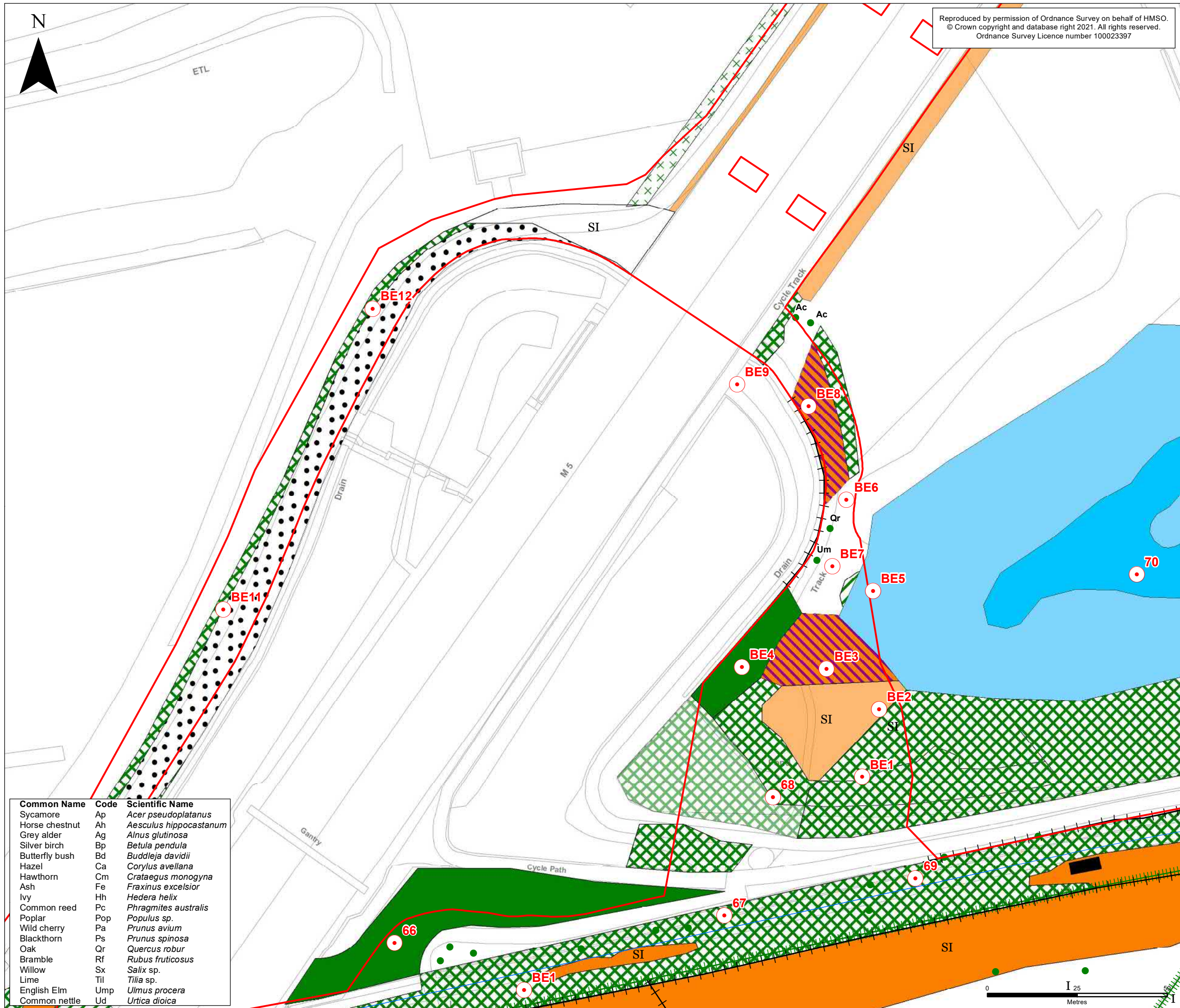
Drawing : **Figure 3 - Land of Portbury Hundred Construction Compound (sheet 1 of 2) APFP Regulation 5(2)(a)**

Drawn By : Andy Collinson Date: 02/10/2019
Checked By : Debbie Mackenzie Date: 02/10/2019
Approved By : Carolyn Francis Date: 02/10/2019

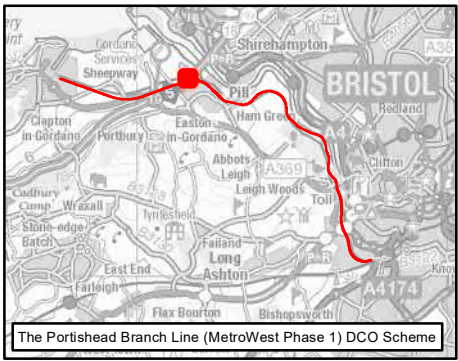
Drawing No. : **674946-016-004-A** Revision **ES-A**

Drawing Scale : 1:1,500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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KEY

Order Limits

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- J2.3.2, Hedge with trees - species-poor
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A1.1.2, Broadleaved woodland - plantation
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- B5, Marsh/marshy grassland
- B6, Poor semi-improved grassland
- F1, Swamp
- G1, Standing water
- J3.6, Buildings
- J4, Bare ground

Aerial Assessment Habitats

- Scrub - dense/continuous
- Neutral grassland - semi-improved

Other

- Target Note

ES-B	MPC	RS	CF	11/03/2021	Revised Order Limits
ES-A	AC	DM	CF	19/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 4 - M5 Bridleway Extension (sheet 1 of 5)

APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 11/03/2021

Checked By : Richard Smedley Date: 11/03/2021

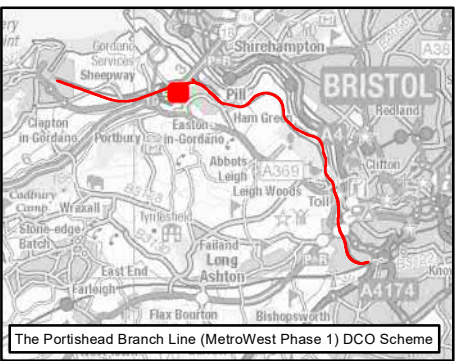
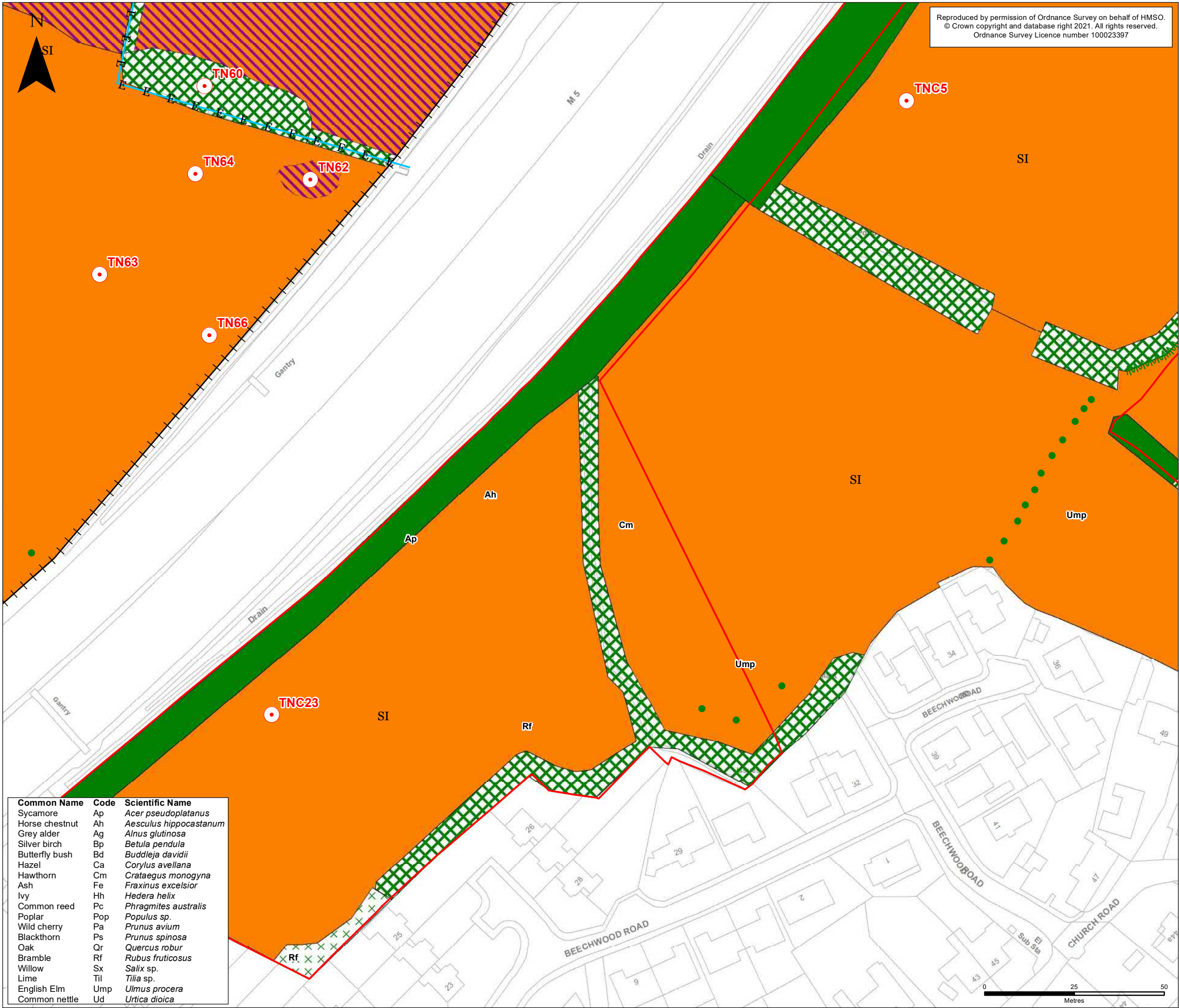
Approved By : Carolyn Francis Date: 11/03/2021

Drawing No. : 674946-016-004-A

Revision ES-B

Drawing Scale : 1:1,000

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

Order Limits

Phase 1 Habitats

A3.1, Broadleaved Parkland/scattered trees

G2.1, Running water - eutrophic

J2.3.1, Hedge with trees - native species-rich

J2.4, Fence

A1.1.1, Broadleaved woodland - semi-natural

A2.1, Scrub - dense/continuous

A2.2, Scrub - scattered

B2.2, Neutral grassland - semi-improved

B5, Marsh/marshy grassland

Aerial Assessment Habitats

Other

Target Note

ES-B	MPC	RS	CF	11/03/2021	Revised Order Limits
ES-A	AC	DM	CF	19/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

Client

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Project :
Portishead Branch Line
(MetroWest Phase 1)

Drawing :
Figure 4 - Lodway Construction Compound
(sheet 2 of 5)
APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 11/03/2021

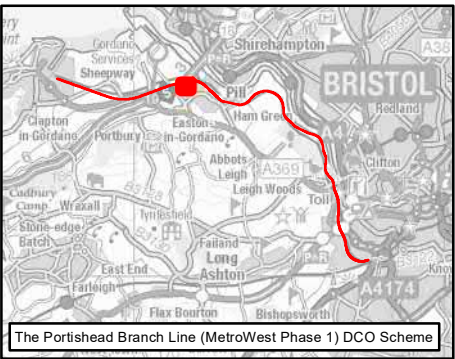
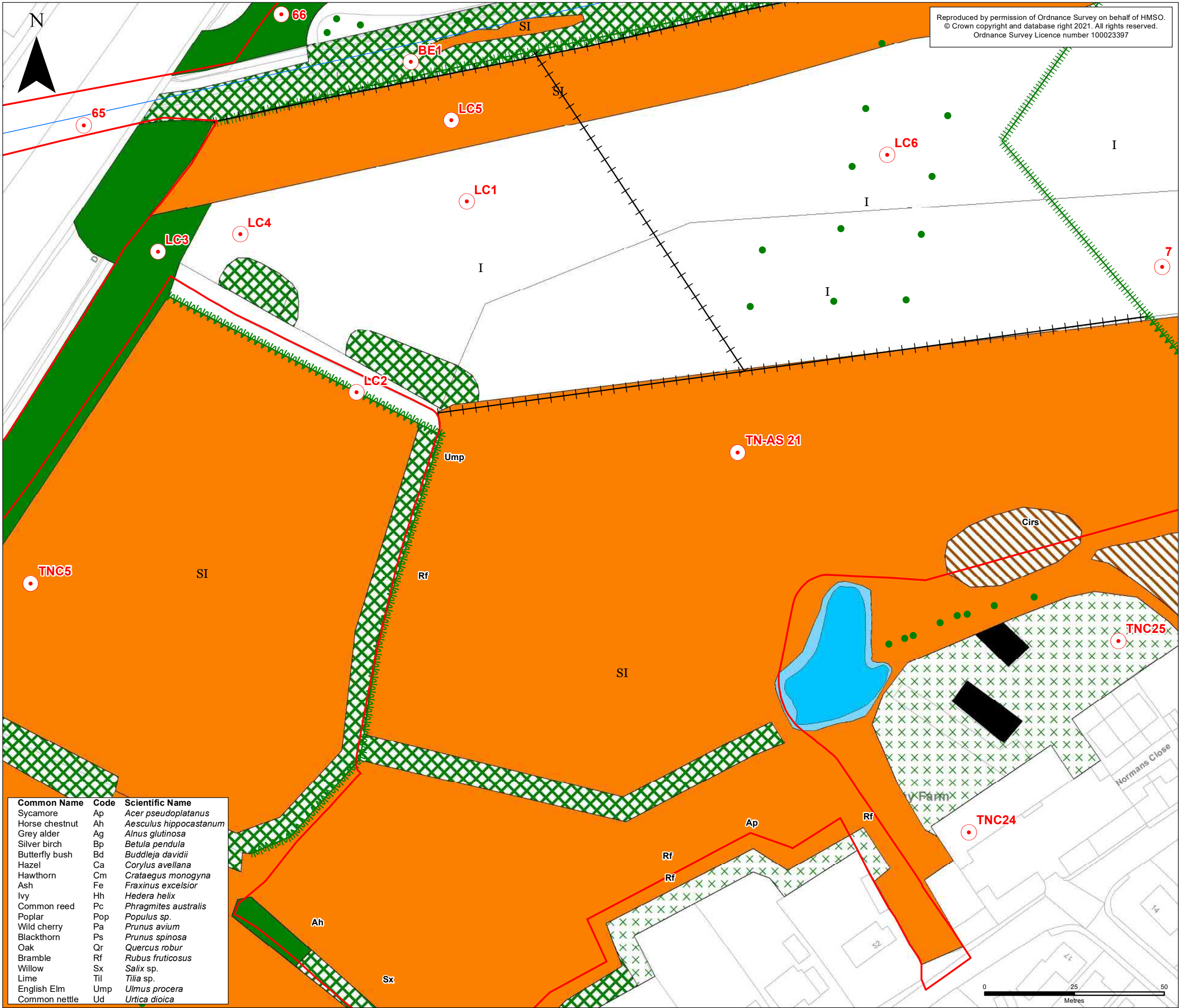
Checked By : Richard Smedley Date: 11/03/2021

Approved By : Carolyn Francis Date: 11/03/2021

Drawing No. :
674946-016-004-A

Revision
ES-B

Drawing Scale : 1:1,000



KEY

Order Limits

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

Phase 1 Habitats

- A3.1, Broadleaved Parkland/scattered trees
- J2.3.1, Hedge with trees - native species-rich
- J2.3.2, Hedge with trees - species-poor
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A1.1.2, Broadleaved woodland - plantation
- A2.1, Scrub - dense/continuous
- A2.2, Scrub - scattered
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- C3.1, Other tall herb and fern - ruderal
- F1, Swamp
- G1, Standing water
- J3.6, Buildings

Aerial Assessment Habitats

Other

- Target Note

ES-B	MPC	RS	CF	11/03/2021	Revised Order Limits
ES-A	AC	DM	CF	19/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : **Portishead Branch Line (MetroWest Phase 1)**

Drawing : **Figure 4 - Lodway Construction Compound (sheet 3 of 5) APFP Regulation 5(2)(a)**

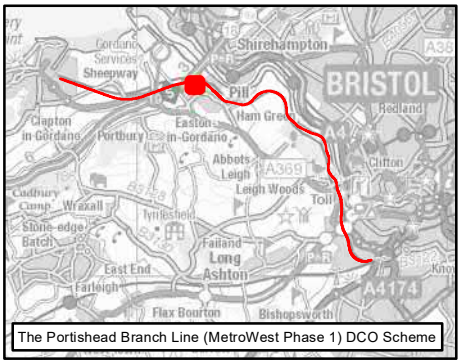
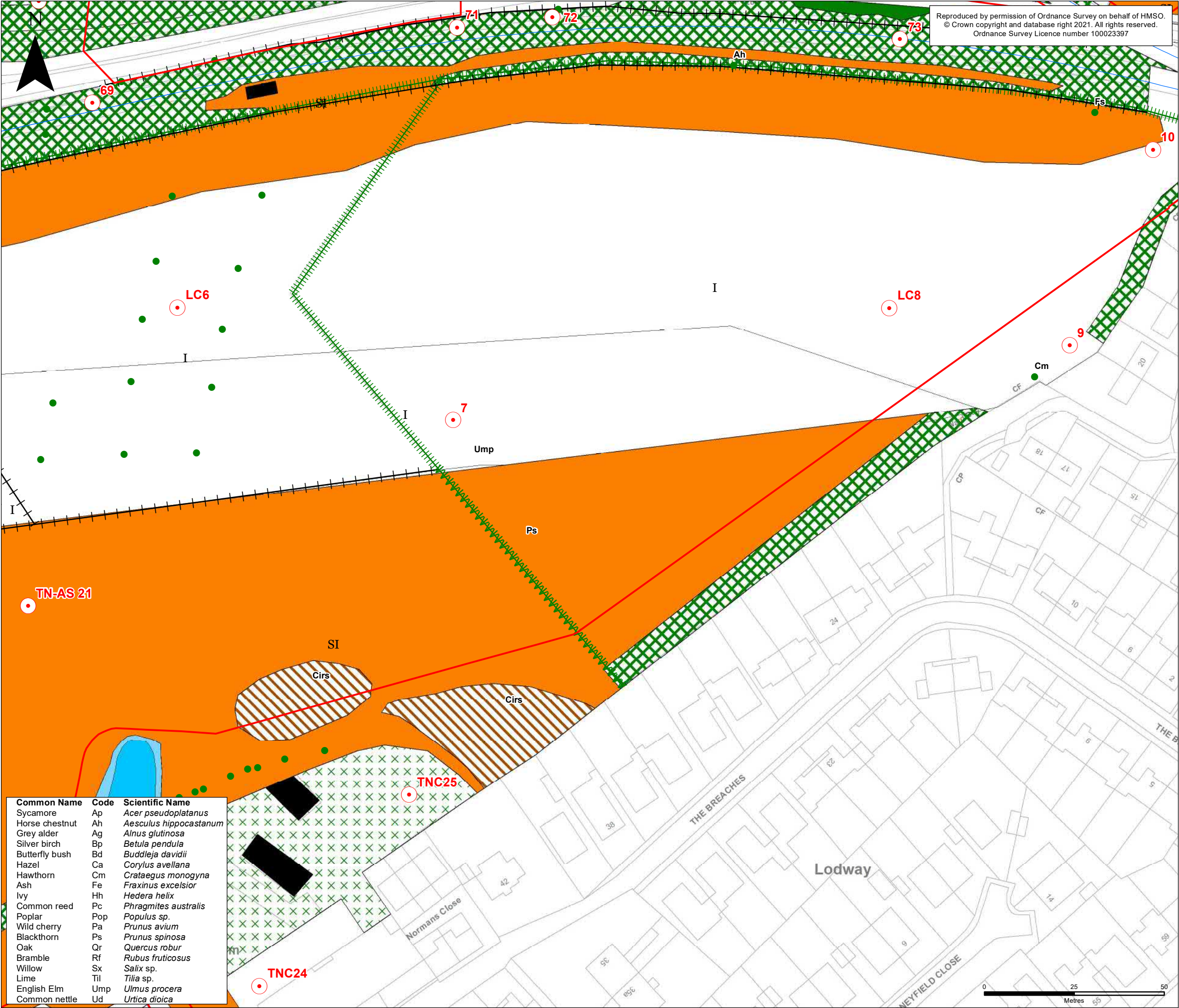
Drawn By : Martin Costello Date: 11/03/2021

Checked By : Richard Smedley Date: 11/03/2021

Approved By : Carolyn Francis Date: 11/03/2021

Drawing No. : **674946-016-004-A** Revision **ES-B**

Drawing Scale : 1:1,000



KEY

- Order Limits**
- Portishead Branch Line**
- The Nationally Significant Infrastructure Project (NSIP) Works
- Phase 1 Habitats**
- A3.1, Broadleaved Parkland/scattered trees
 - J2.3.1, Hedge with trees - native species-rich
 - J2.3.2, Hedge with trees - species-poor
 - J2.4, Fence
 - A1.1.1, Broadleaved woodland - semi-natural
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - B6, Poor semi-improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - F1, Swamp
 - G1, Standing water
 - J3.6, Buildings
 - J4, Bare ground

Aerial Assessment Habitats

- Other**
- Target Note

ES-B	MPC	RS	CF	11/03/2021	Revised Order Limits
ES-A	AC	DM	CF	19/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project :

**Portishead Branch Line
(MetroWest Phase 1)**

Drawing :

**Figure 4 - Lodway Construction Compound
(sheet 4 of 5)
APFP Regulation 5(2)(a)**

Drawn By : Martin Costello Date: 11/03/2021

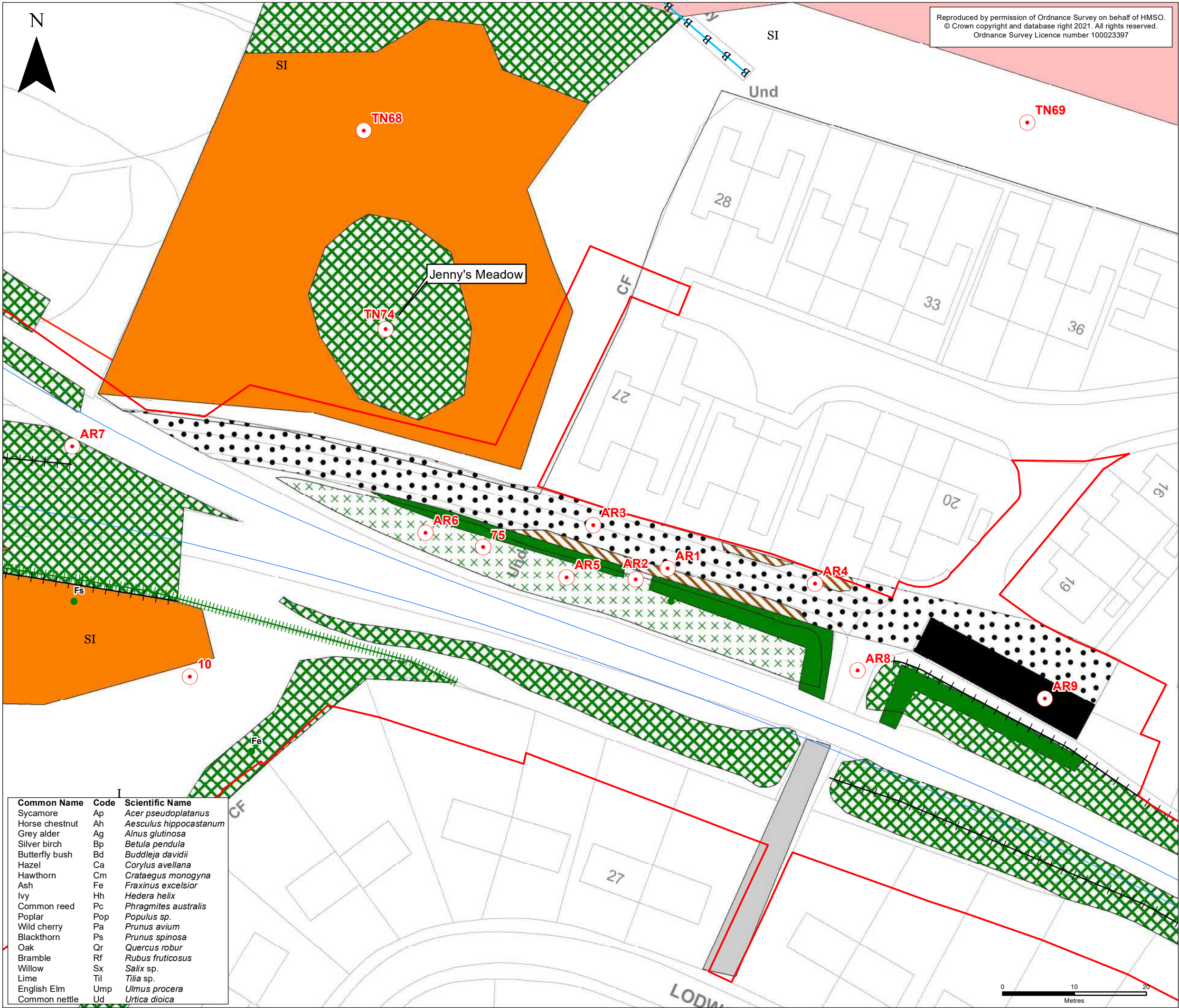
Checked By : Richard Smedley Date: 11/03/2021

Approved By : Carolyn Francis Date: 11/03/2021

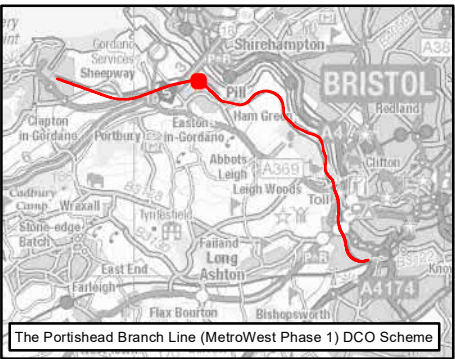
Drawing No. : 674946-016-004-A

Revision ES-B

Drawing Scale : 1:1,000



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KEY

- Order Limits**
- Portishead Branch Line**
- The Nationally Significant Infrastructure Project (NSIP) Works
- Phase 1 Habitats**
- A3.1, Broadleaved Parkland/scattered trees
 - G2.6, Running water - brackish
 - J2.3.2, Hedge with trees - species-poor
 - J2.4, Fence
 - J2.5, Wall
 - A1.1.1, Broadleaved woodland - semi-natural
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - B6, Poor semi-improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - H2.6, Saltmarsh - dense/continuous
 - J3.6, Buildings
 - J4, Bare ground
 - J5, Other habitat

Aerial Assessment Habitats

- Other**
- Target Note

ES-B	MPC	RS	CF	11/03/2021	Revised Order Limits
ES-A	AC	DM	CF	19/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 4 - Avon Bridge Construction Compound (sheet 5 of 5)
APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 11/03/2021
Checked By : Richard Smedley Date: 11/03/2021
Approved By : Carolyn Francis Date: 11/03/2021

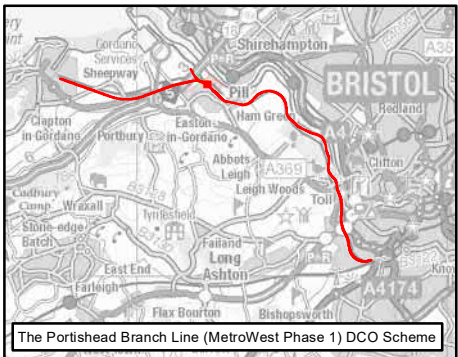
Drawing No. : 674946-016-004-A Revision ES-B

Drawing Scale : 1:500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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KEY

- Order Limits
- Portishead Branch Line**
 - The Nationally Significant Infrastructure Project (NSIP) Works
- Phase 1 Habitats**
 - A2.2, Scrub - scattered
 - A3.1, Broadleaved Parkland/scattered trees
 - J2.4, Fence
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - C3.1, Other tall herb and fern - ruderal
 - J3.6, Buildings
 - J4, Bare ground

Aerial Assessment Habitats

- Cultivated/disturbed land - amenity grassland

Other

- Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : **Portishead Branch Line (MetroWest Phase 1)**

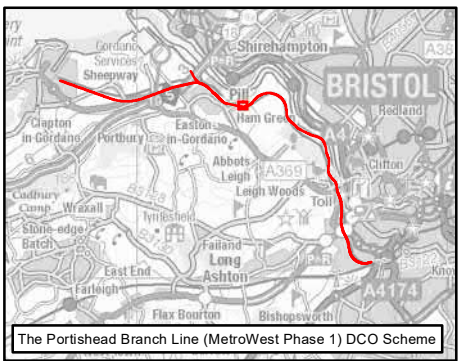
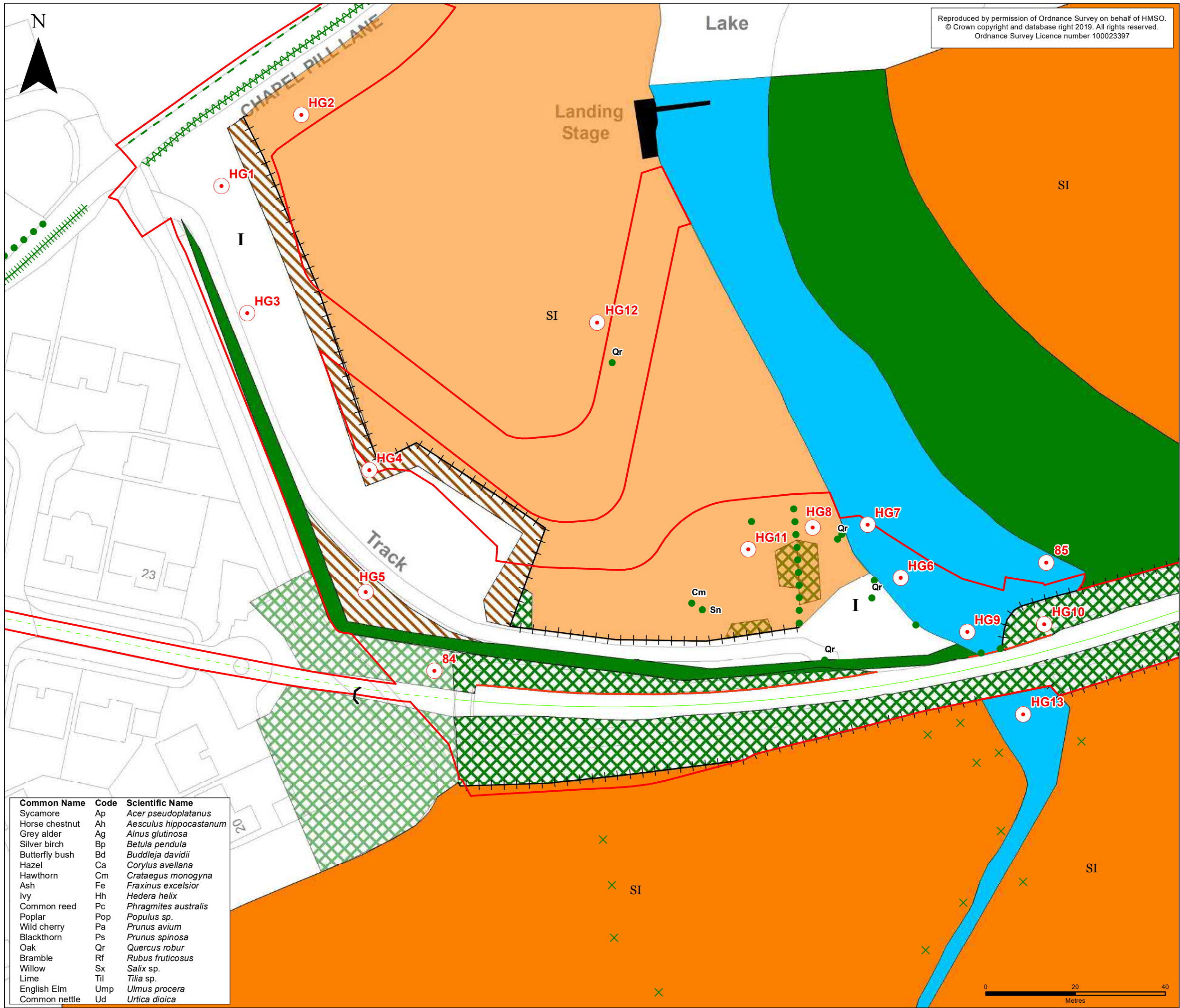
Drawing : **Figure 5 - Pill Station Construction Compound**
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 02/10/2019
Checked By : Debbie Mackenzie Date: 02/10/2019
Approved By : Carolyn Francis Date: 02/10/2019

Drawing No. : **674946-016-004-A** Revision **ES-A**

Drawing Scale : 1:500

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

Order Limits

Portishead Branch Line

The Associated Development Works

Section in Tunnel

Phase 1 Habitats

A2.2, Scrub - scattered

A3.1, Broadleaved Parkland/scattered trees

A3.1, Broadleaved Parkland/scattered trees

J2.1.1, Intact hedge - native species-rich

J2.2.2, Defunct hedge - species-poor

J2.3.2, Hedge with trees - species-poor

J2.4, Fence

J2.5, Wall

A1.1.1, Broadleaved woodland - semi-natural

A2.1, Scrub - dense/continuous

B2.2, Neutral grassland - semi-improved

C3.1, Other tall herb and fern - ruderal

G1, Standing water

J3.6, Buildings

Aerial Assessment Habitats

Scrub - dense/continuous

Neutral grassland - semi-improved

Other

Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

Client

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Project :

Portishead Branch Line
(MetroWest Phase 1)

Drawing :

Figure 6 - Ham Green Construction
Compound
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 02/10/2019

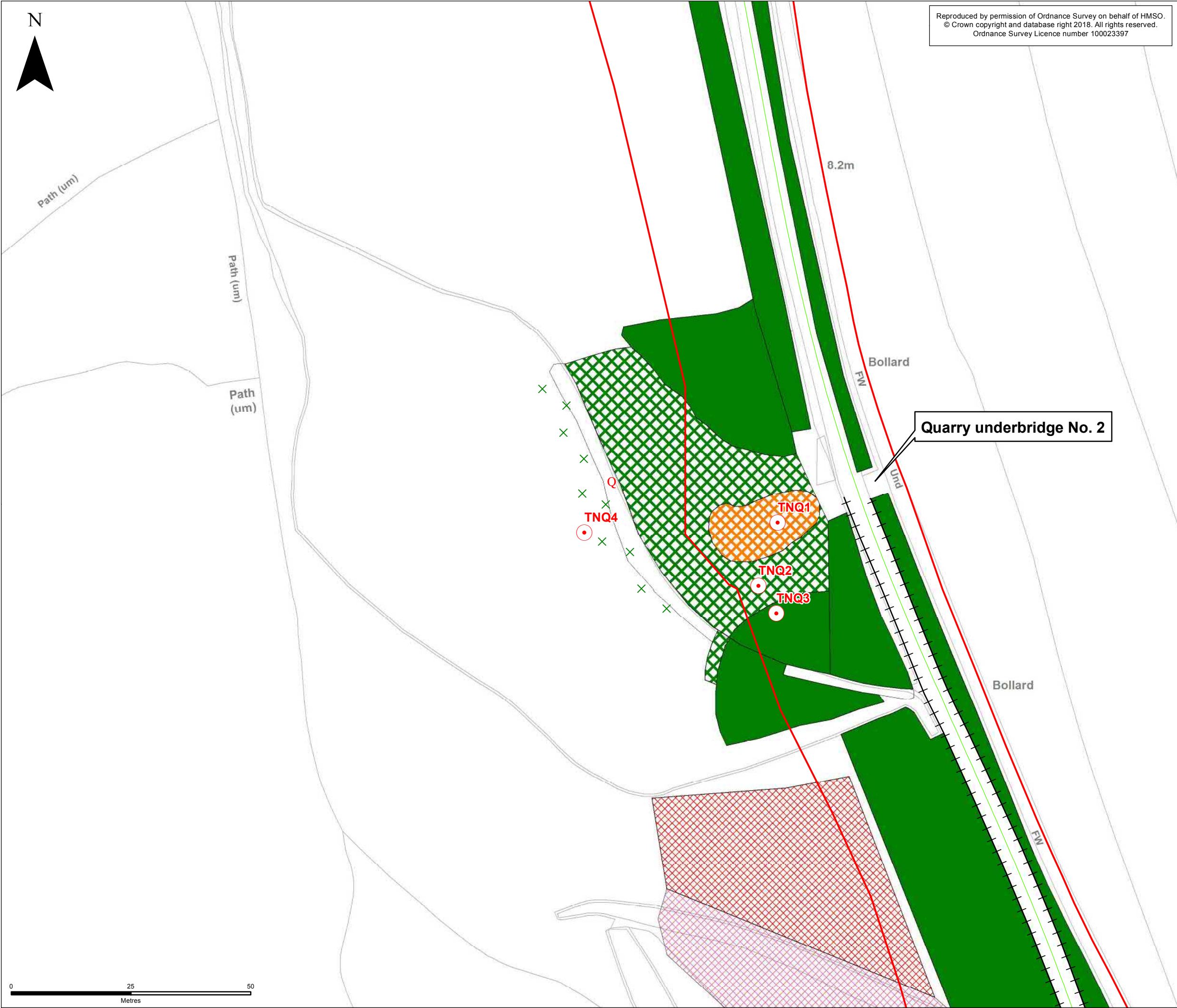
Checked By : Debbie Mackenzie Date: 02/10/2019

Approved By : Carolyn Francis Date: 02/10/2019

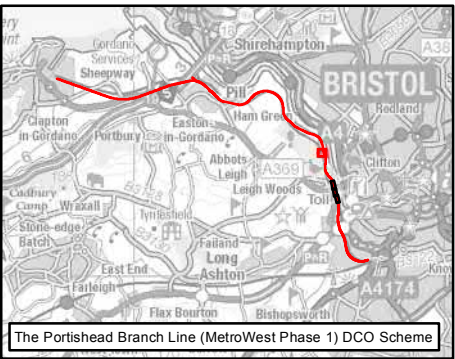
Drawing No. :
674946-016-004-A

Revision
ES-A

Drawing Scale : 1:800



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KEY

Portishead Branch Line

- Order Limits
- The Associated Development Works

Phase 1 Habitats

- A2.2, Scrub - scattered
- Target Note
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- B3.1, Calcareous grassland - unimproved
- I1.4.2, Other exposure - basic
- I2.1, Quarry

Aerial Assessment Habitats

- Other exposure - basic

Rev	By	Chkd	Apprvd	Date	Description
ES-A	AC	DM	CF	20/08/2019	First Issue

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Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 7 - Quarry underbridge
No. 2 Construction Compound
APFP Regulation 5(2)(a)

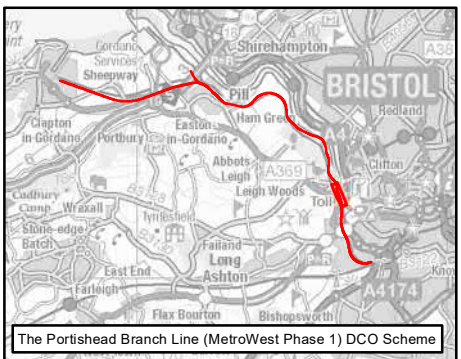
Drawn By : Andy Collinson Date: 20/08/2019
Checked By : Debbie Mackenzie Date: 20/08/2019
Approved By : Carolyn Francis Date: 20/08/2019

Drawing No. : 674946 -001-004-A Revision
ES-A

Drawing Scale : 1:750 @ A3



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KEY

Order Limits

Portishead Branch Line

The Associated Development Works

Section in Tunnel

Phase 1 Habitats

A2.2, Scrub - scattered

A3.1, Broadleaved Parkland/scattered trees

J2.4, Fence

A1.1.1, Broadleaved woodland - semi-natural

A2.1, Scrub - dense/continuous

A2.2, Scrub - scattered

B2.2, Neutral grassland - semi-improved

C3.1, Other tall herb and fern - ruderal

I1.1.2, Inland cliff - basic

Aerial Assessment Habitats

Broadleaved woodland - semi-natural

Other

Target Note

Rev	By	Chkd	Apprvd	Date	Description
ES-A	AC	DM	CF	02/10/2019	First Issue

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Project :

Portishead Branch Line
(MetroWest Phase 1)

Drawing :

Figure 8 - Rownham Hill
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 02/10/2019

Checked By : Debbie Mackenzie Date: 02/10/2019

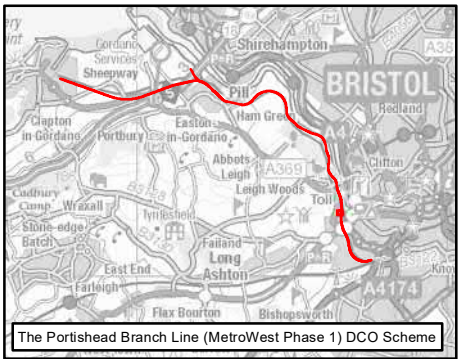
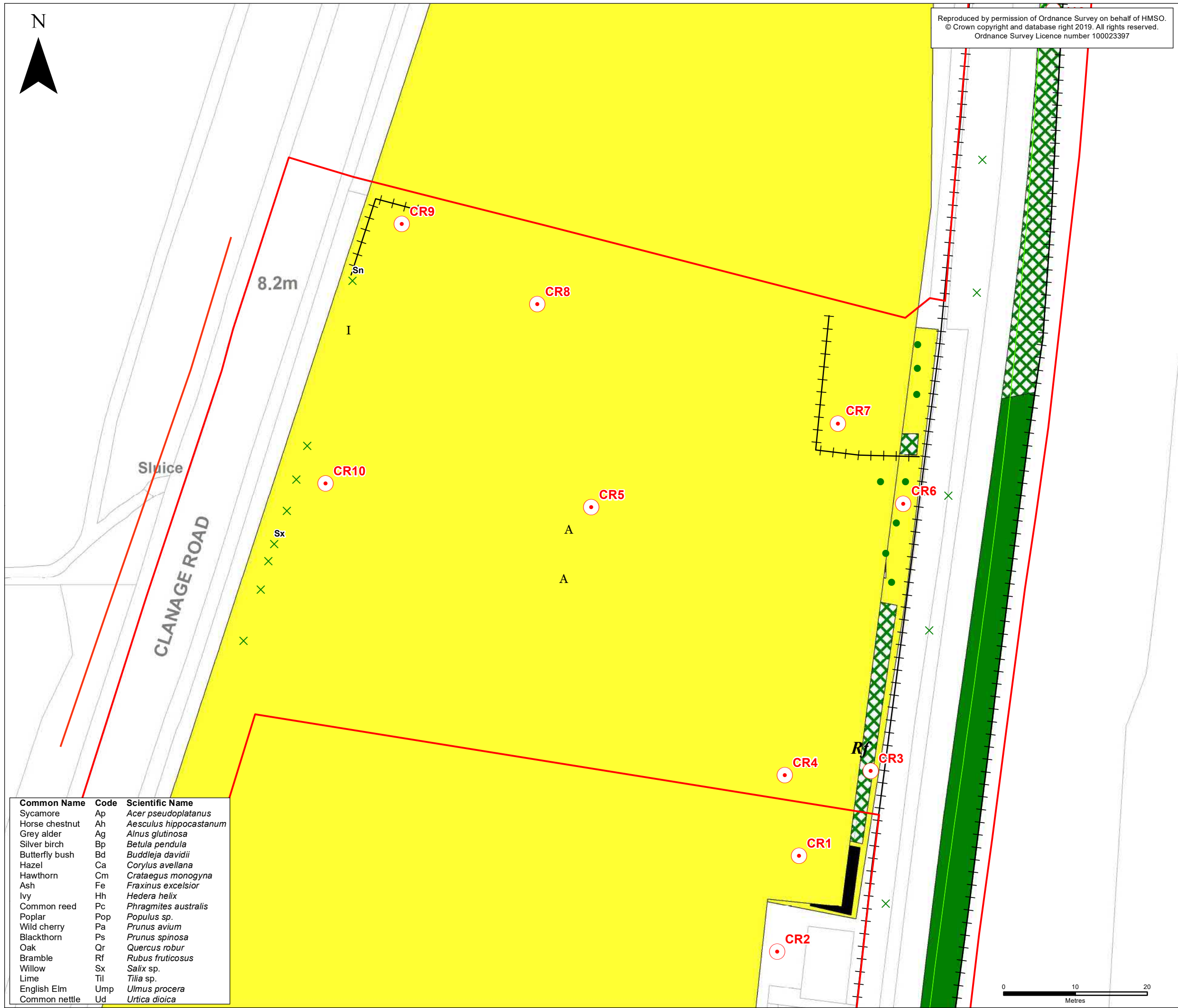
Approved By : Carolyn Francis Date: 02/10/2019

Drawing No. :
674946-016-004-A

Revision
ES-A

Drawing Scale : 1:3,000

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

Order Limits

Portishead Branch Line

The Associated Development Works

Phase 1 Habitats

A2.2, Scrub - scattered

A3.1, Broadleaved Parkland/scattered trees

J2.4, Fence

J2.5, Wall

A1.1.1, Broadleaved woodland - semi-natural

A2.1, Scrub - dense/continuous

B4, Improved grassland

C3.1, Other tall herb and fern - ruderal

J1.2, Cultivated/disturbed land - amenity grassland

J3.6, Buildings

J4, Bare ground

Aerial Assessment Habitats

Other

Target Note

Rev	By	Chkd	Apprvd	Date	Description
ES-A	AC	DM	CF	02/10/2019	First Issue

Client

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Project :

Portishead Branch Line
(MetroWest Phase 1)

Drawing :

Figure 9 - Clanlage Road Construction Compound
APFP Regulation 5(2)(a)

Drawn By : Andy Collinson Date: 02/10/2019

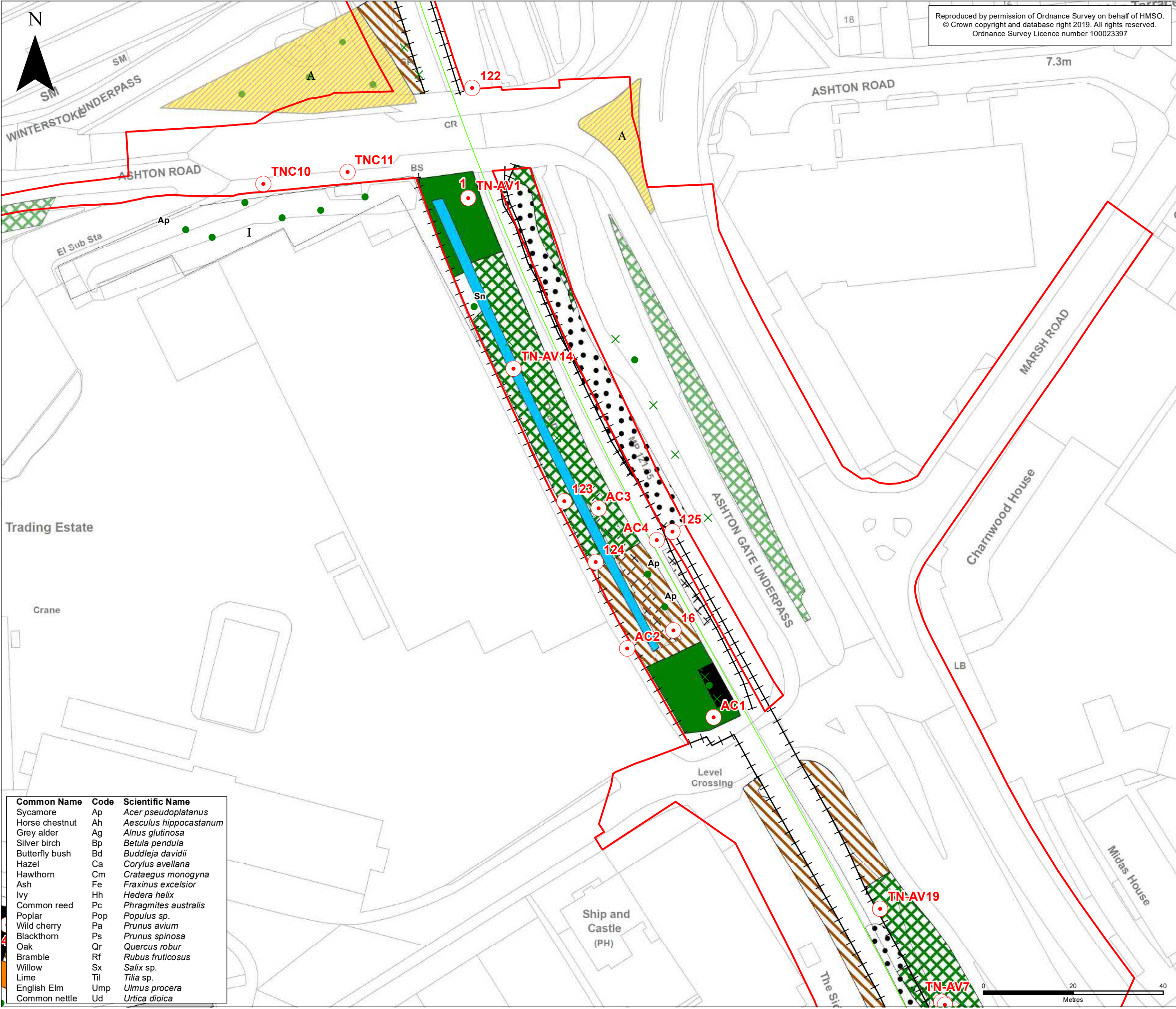
Checked By : Debbie Mackenzie Date: 02/10/2019

Approved By : Carolyn Francis Date: 02/10/2019

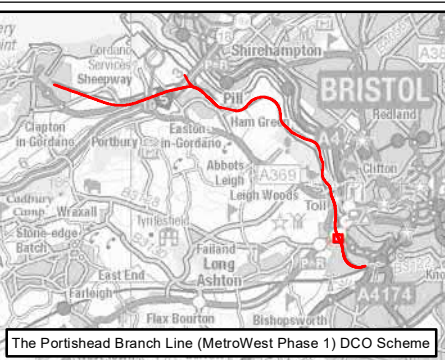
Drawing No. :
674946-016-004-A

Revision
ES-A

Drawing Scale : 1:500



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KEY

Order Limits

Portishead Branch Line

The Associated Development Works

Phase 1 Habitats

- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- J2.4, Fence
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- B2.2, Neutral grassland - semi-improved
- B4, Improved grassland
- C3.1, Other tall herb and fern - ruderal
- G1, Standing water
- J1.3, Cultivated/disturbed land - ephemeral/short perennial
- J3.6, Buildings
- J4, Bare ground
- J5, Other habitat

Aerial Assessment Habitats

- Broadleaved Parkland/scattered trees
- Scrub - dense/continuous
- Cultivated/disturbed land - amenity grassland

Other

- Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

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Project : **Portishead Branch Line (MetroWest Phase 1)**

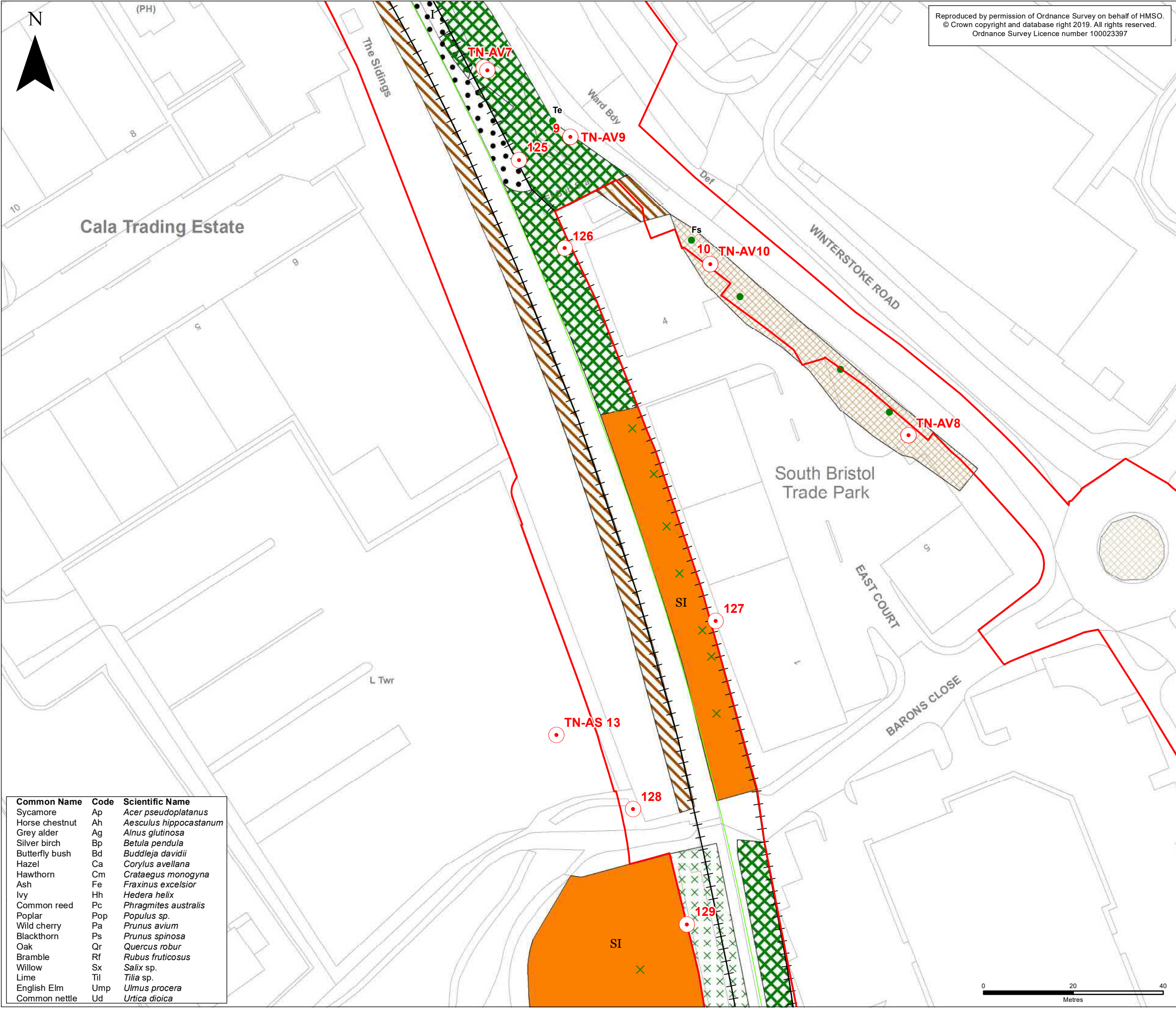
Drawing : **Figure 10 - Ashton Vale Construction Compound (sheet 1 of 2) APFP Regulation 5(2)(a)**

Drawn By : Andy Collinson Date: 02/10/2019
Checked By : Debbie Mackenzie Date: 02/10/2019
Approved By : Carolyn Francis Date: 02/10/2019

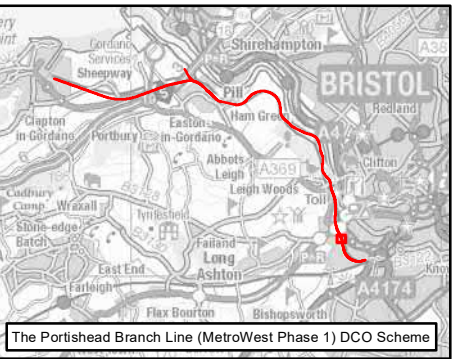
Drawing No. : **674946-016-004-A** Revision **ES-A**

Drawing Scale : 1:800

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



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KEY

- Order Limits
- Portishead Branch Line
- The Associated Development Works
- Phase 1 Habitats**
 - A2.1, Scrub - dense/continuous
 - A2.2, Scrub - scattered
 - B2.2, Neutral grassland - semi-improved
 - B4, Improved grassland
 - C3.1, Other tall herb and fern - ruderal
 - J1.4, Introduced shrub
 - J4, Bare ground
- Aerial Assessment Habitats**
 - Introduced shrub
- Other**
 - Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
Rev	By	Chkd	Apprvd	Date	Description

Client

travelwest

Both & North East Somerset, Bristol, North Somerset and South Gloucestershire
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ch2m

Project : **Portishead Branch Line (MetroWest Phase 1)**

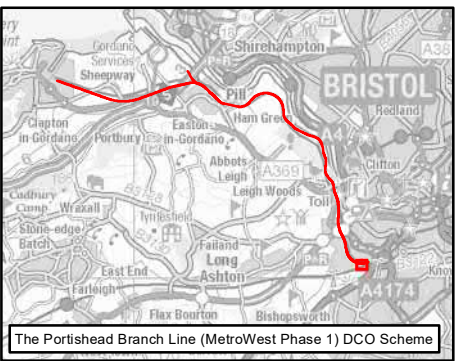
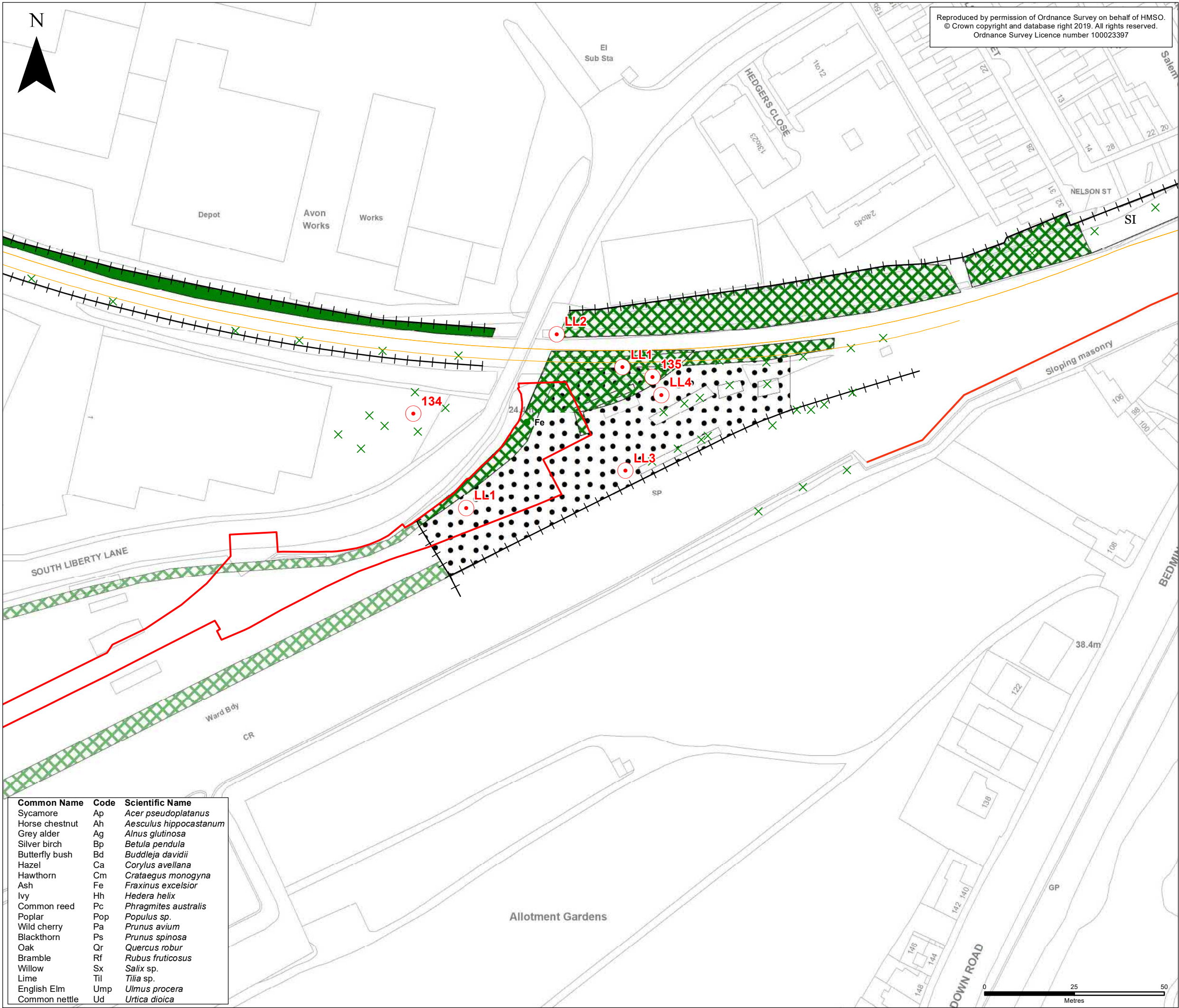
Drawing : **Figure 10 - Ashton Vale Construction Compound (sheet 2 of 2) APFP Regulation 5(2)(a)**

Drawn By : Andy Collinson Date: 02/10/2019
Checked By : Debbie Mackenzie Date: 02/10/2019
Approved By : Carolyn Francis Date: 02/10/2019

Drawing No. : **674946-016-004-A** Revision **ES-A**

Drawing Scale : 1:800

Common Name	Code	Scientific Name
Sycamore	Ap	<i>Acer pseudoplatanus</i>
Horse chestnut	Ah	<i>Aesculus hippocastanum</i>
Grey alder	Ag	<i>Alnus glutinosa</i>
Silver birch	Bp	<i>Betula pendula</i>
Butterfly bush	Bd	<i>Buddleja davidii</i>
Hazel	Ca	<i>Corylus avellana</i>
Hawthorn	Cm	<i>Crataegus monogyna</i>
Ash	Fe	<i>Fraxinus excelsior</i>
Ivy	Hh	<i>Hedera helix</i>
Common reed	Pc	<i>Phragmites australis</i>
Poplar	Pop	<i>Populus sp.</i>
Wild cherry	Pa	<i>Prunus avium</i>
Blackthorn	Ps	<i>Prunus spinosa</i>
Oak	Qr	<i>Quercus robur</i>
Bramble	Rf	<i>Rubus fruticosus</i>
Willow	Sx	<i>Salix sp.</i>
Lime	Til	<i>Tilia sp.</i>
English Elm	Ump	<i>Ulmus procera</i>
Common nettle	Ud	<i>Urtica dioica</i>



KEY

Order Limits

Other Works

Network Rail Permitted Development Rights

Phase 1 Habitats

- A2.2, Scrub - scattered
- A3.1, Broadleaved Parkland/scattered trees
- J2.4, Fence
- J2.5, Wall
- A1.1.1, Broadleaved woodland - semi-natural
- A2.1, Scrub - dense/continuous
- B6, Poor semi-improved grassland
- J4, Bare ground

Aerial Assessment Habitats

Scrub - dense/continuous

Other

Target Note

ES-A	AC	DM	CF	02/10/2019	First Issue
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ch2m

Project : **Portishead Branch Line
(MetroWest Phase 1)**

Drawing : **Figure 11 - South Liberty Lane
APFP Regulation 5(2)(a)**

Drawn By : Andy Collinson Date: 02/10/2019

Checked By : Debbie Mackenzie Date: 02/10/2019

Approved By : Carolyn Francis Date: 02/10/2019

Drawing No. :
674946-016-004-A

Revision
ES-A

Drawing Scale : 1:1,000