



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

2.53, Environmental Masterplan

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

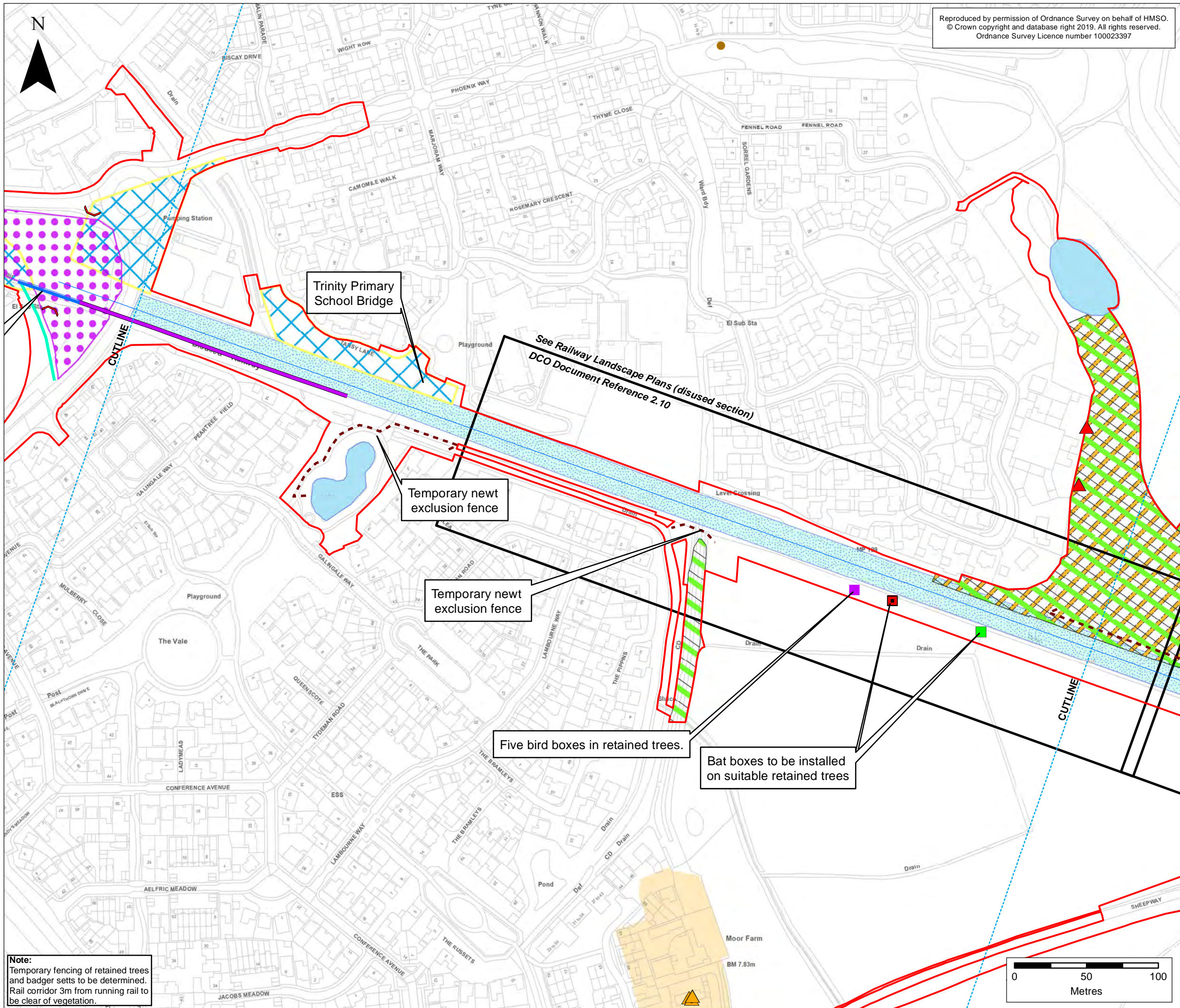
Author: CH2M

Date: November 2019

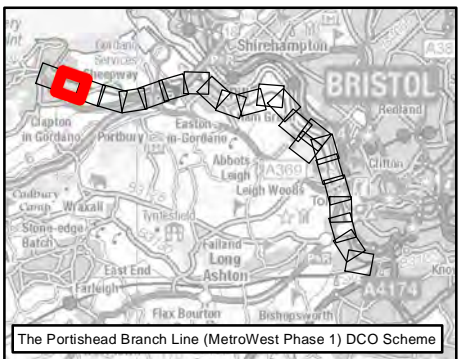


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KEY

- Order Limits
- Local Authority Boundary
- Portishead Branch Line**
 - The Nationally Significant Infrastructure Project (NSIP) Works
 - Temporary construction compounds
- Environmental Mitigation & Constraints**
 - Great Crested Newt (GCN) Pond
 - GCN Enhancement Area
 - Portishead Eco-Park Reptile Receptor Site
 - Reptile Trapping
 - Acoustic Barrier
 - Temporary Newt Exclusion Fence
 - Bird Box
 - Bat Hibernation Box
 - Bat Box
 - Reptile/GCN Hibernacula
 - Reptile Tunnel
 - Reptile Fence for reptile trapping
 - Reptile Displacement Areas
 - Listed Building
 - Non-designated Historic Structure
 - Monument Point (Non-designated)
 - Monument area (Non-designated)

Rev	ES-A	MPC	CW	CF	26/09/2019	First draft

Client



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Project : Portishead Branch Line (MetroWest Phase 1)

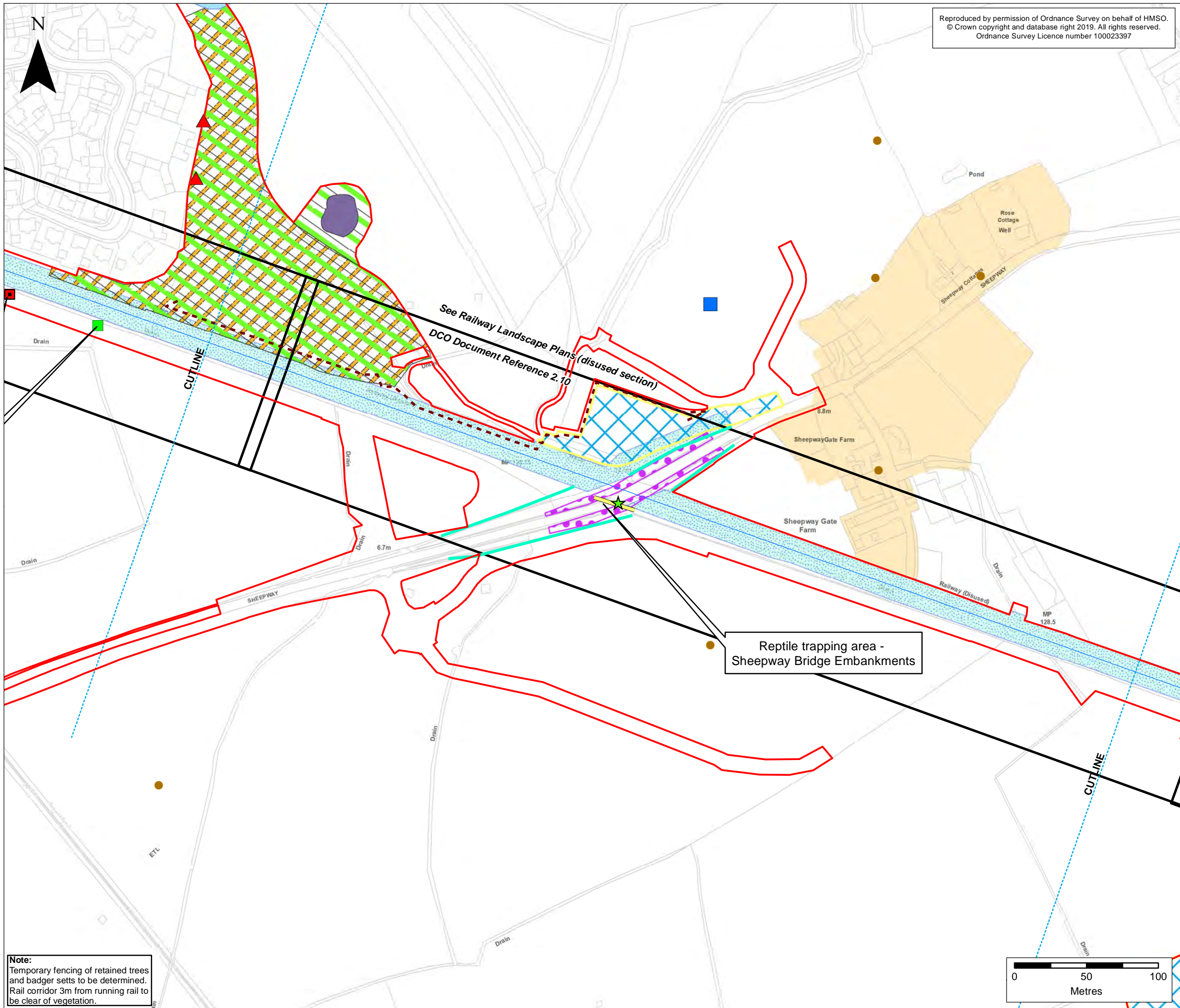
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APFP Regulation 5(2)(o)

Drawn By : Martin Costello Date: 08/11/2019
Checked By : Clare Williams Date: 08/11/2019
Approved By : Carolyn Francis Date: 08/11/2019

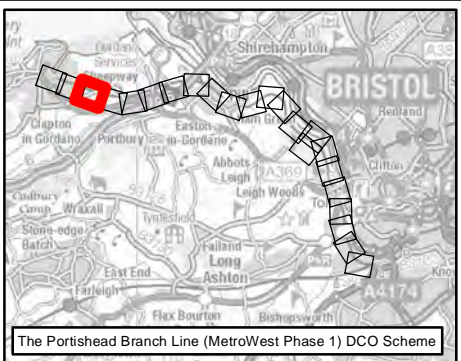
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Note:
Temporary fencing of retained trees and badger setts to be determined.
Rail corridor 3m from running rail to be clear of vegetation.



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 - GCN Enhancement Area
 - New GCN Pond
 - Portishead Eco-Park Reptile Receptor Site
 - Reptile Trapping
 - Temporary Newt Exclusion Fence
 - Permanent Newt Corridor Under Bridge
 - Barn Owl Box to be Relocated
 - Bat Roost
 - Bat Hibernation Box
 - Bat Box
 - Reptile/GCN Hibernacula
 - Reptile Fence for reptile trapping
 - Reptile Displacement Areas
 - Monument Point (Non-designated)
 - Monument area (Non-designated)

ES-A	MPC	CW	CF	26/09/2018	First draft
Rev	By	Chkd	Apprvd	Date	Description

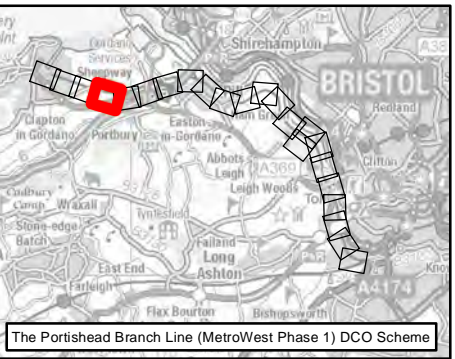
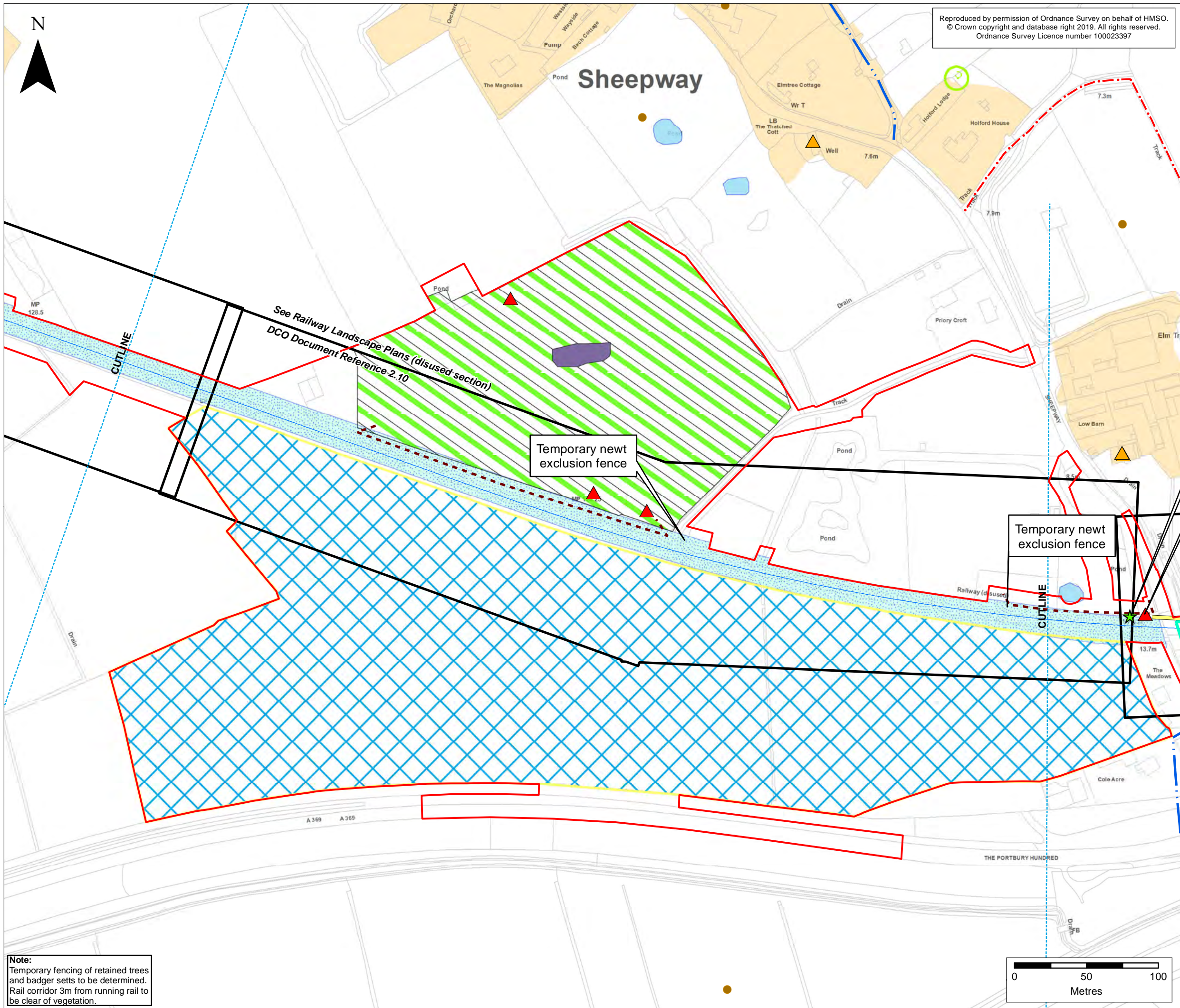
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Drawing : Environmental Master Plan (Sheet 3 of 23) APFP Regulation 5(2)(o)	
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 - Permanent Newt Corridor Under Bridge
 - Bat Roost
 - Reptile/GCN Hibernacula
 - Reptile Fence for reptile trapping
 - Reptile Displacement Areas
 - Tree Preservation Order (TPO)
- Public Rights of Way**
- Bridleway
 - Footpath
 - Listed Building
 - Non-designated Historic Structure
 - Monument Point (Non-designated)
 - Monument area (Non-designated)

Rev	By	Chkd	Apprvd	Date	Description
ES-A	MPC	CW	CF	26/09/2019	First draft



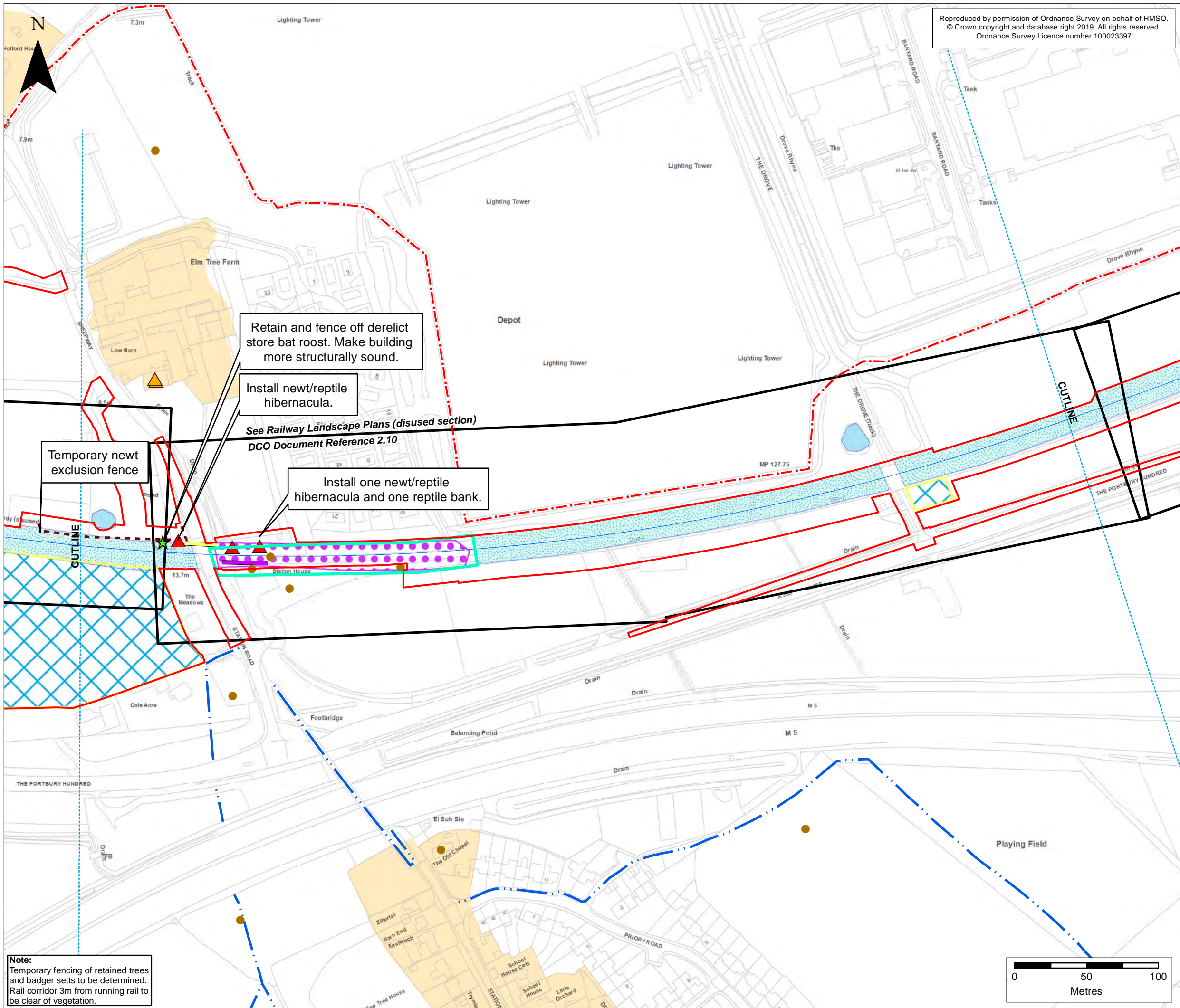
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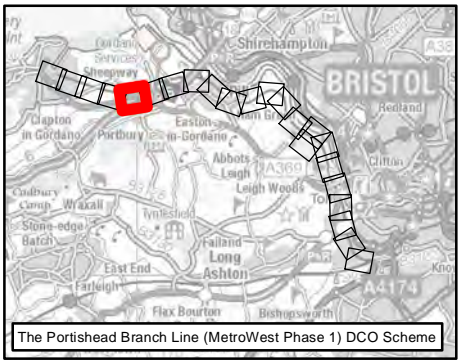
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KEY

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Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works

- Temporary construction compounds

Environmental Mitigation & Constraints

- Great Crested Newt (GCN) Pond
- Reptile Trapping
- Acoustic Barrier
- Temporary Newt Exclusion Fence
- Permanent Newt Corridor Under Bridge
- Bat Roost
- Reptile/GCN Hibernacula
- Reptile Fence for reptile trapping
- Reptile Displacement Areas

Public Rights of Way

- Bridleway
- Footpath
- Listed Building
- Non-designated Historic Structure
- Monument Point (Non-designated)
- Monument area (Non-designated)

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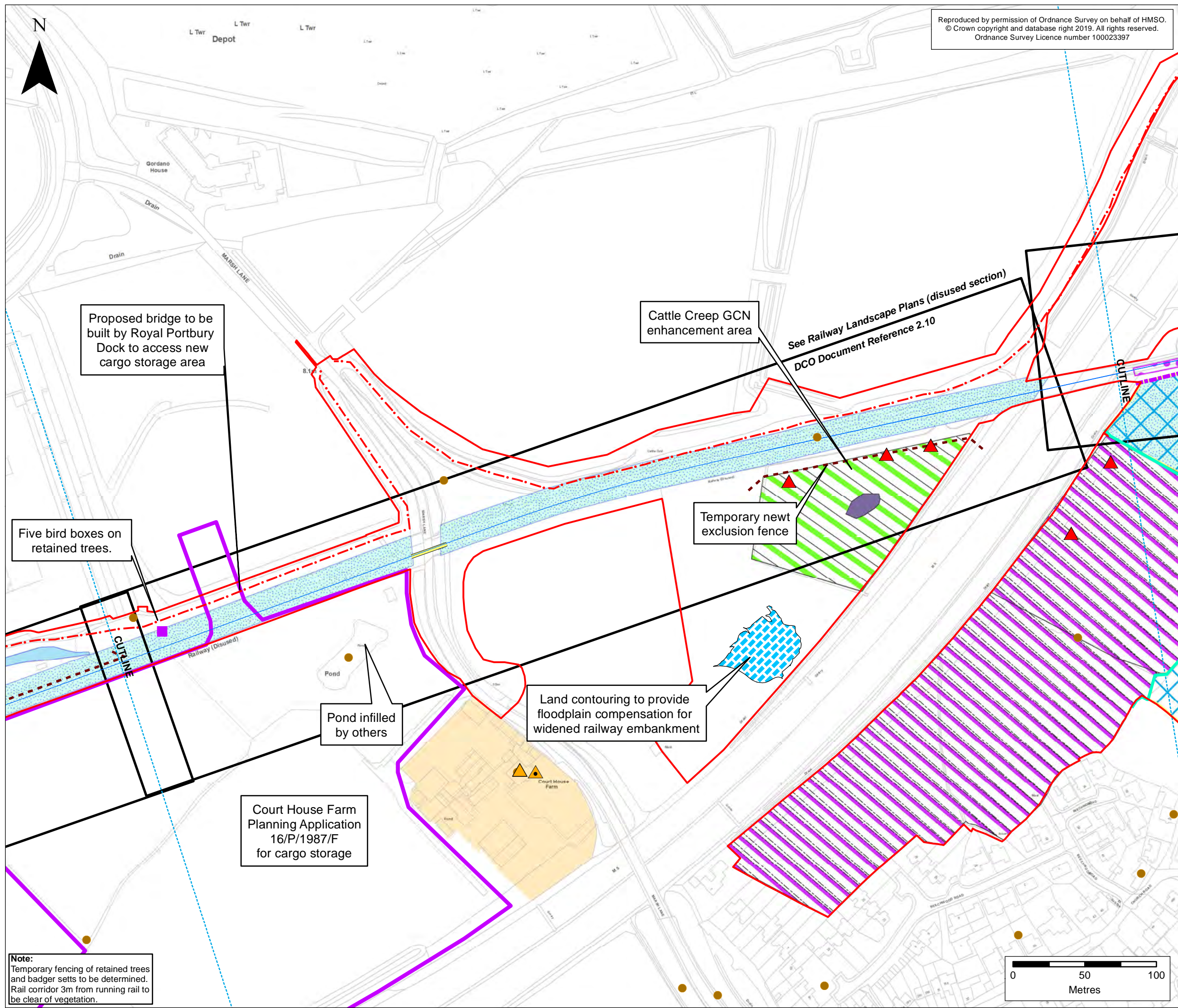
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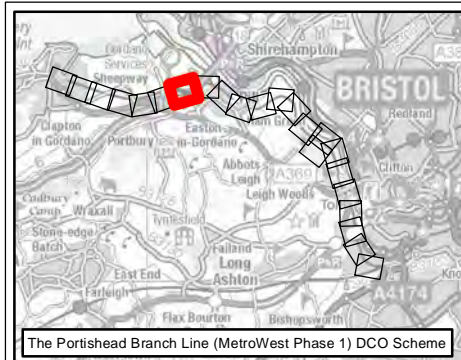
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Note:
Temporary fencing of retained trees and badger setts to be determined.
Rail corridor 3m from running rail to be clear of vegetation.



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 - Reptile Fence for reptile trapping
 - Reptile Displacement Areas
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- Public Rights of Way**
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 - Non-designated Historic Structure
 - Monument Point (Non-designated)
 - Monument area (Non-designated)
 - Important Hedgerow

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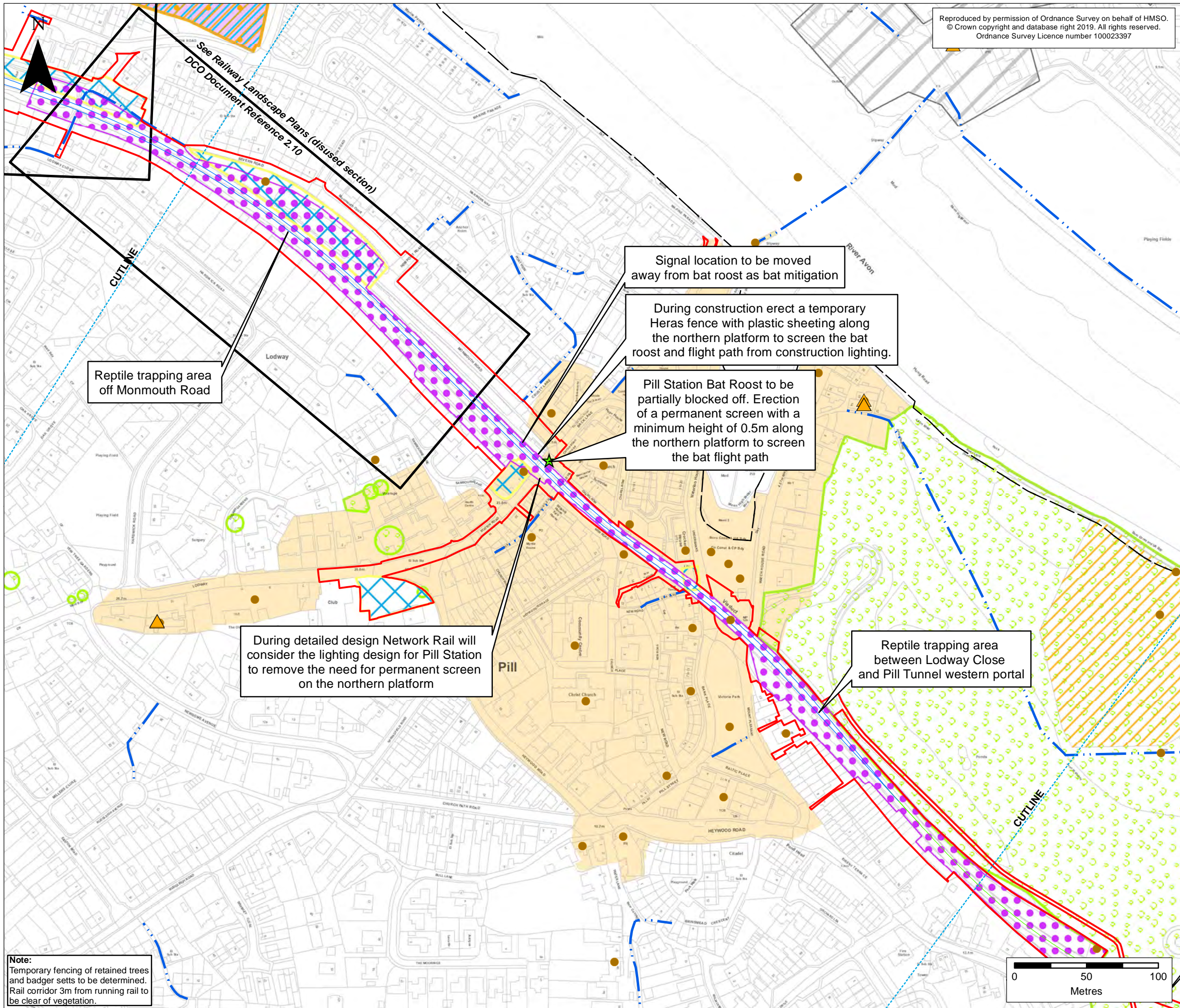
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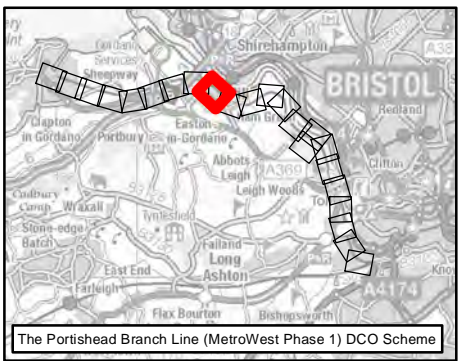
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KEY

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- Portishead Branch Line**
 - The Nationally Significant Infrastructure Project (NSIP) Works
 - The Associated Development Works
 - Section in Tunnel
 - Temporary construction compounds
- Environmental Mitigation & Constraints**
 - Habitat Suitable for Otters
 - Reptile Trapping
 - Bat Roost
 - Tree Preservation Order (TPO)
- Public Rights of Way**
 - Footpath
- Conservation Areas (CA)**
 - Listed Building
 - Non-designated Historic Structure
 - Monument Point (Non-designated)
 - Monument area (Non-designated)
 - Special Area of Conservation (SAC)
 - Special Protection Area (SPA)
 - Site of Special Scientific Interest (SSSI)
 - Ramsar

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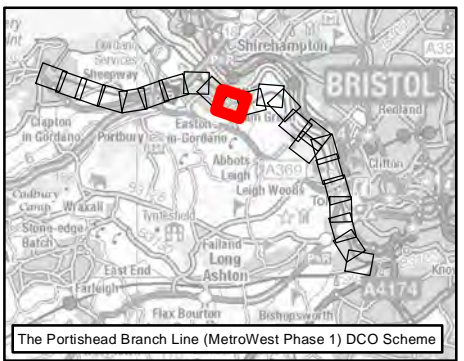
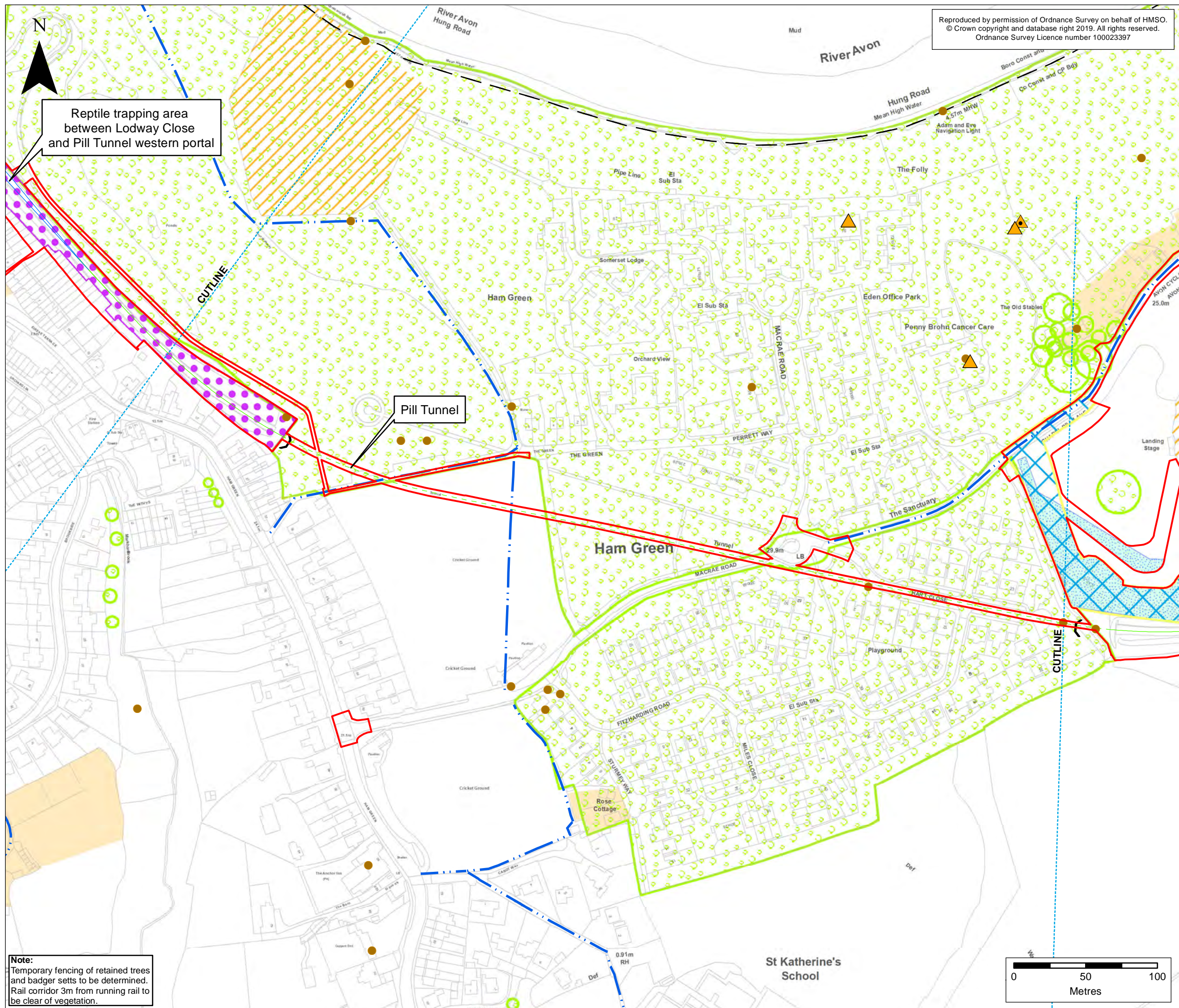
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Note:
Temporary fencing of retained trees and badger setts to be determined.
Rail corridor 3m from running rail to be clear of vegetation.



KEY

- Order Limits
- Local Authority Boundary

Portishead Branch Line

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

- Temporary construction compounds

Environmental Mitigation & Constraints

- Habitat Suitable for Otters
- Reptile Trapping
- Reptile Displacement Areas
- Tree Preservation Order (TPO)

Public Rights of Way

- Footpath
- Listed Building
- Non-designated Historic Structure
- Monument Point (Non-designated)
- Monument area (Non-designated)

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Project : Portishead Branch Line
(MetroWest Phase 1)

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(Sheet 10 of 23)
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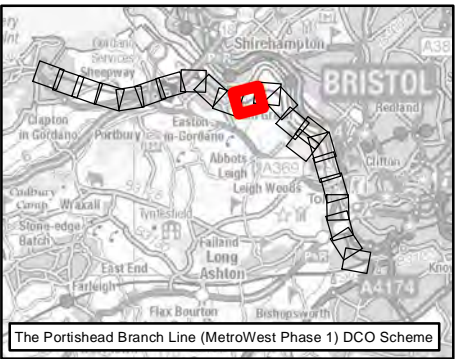
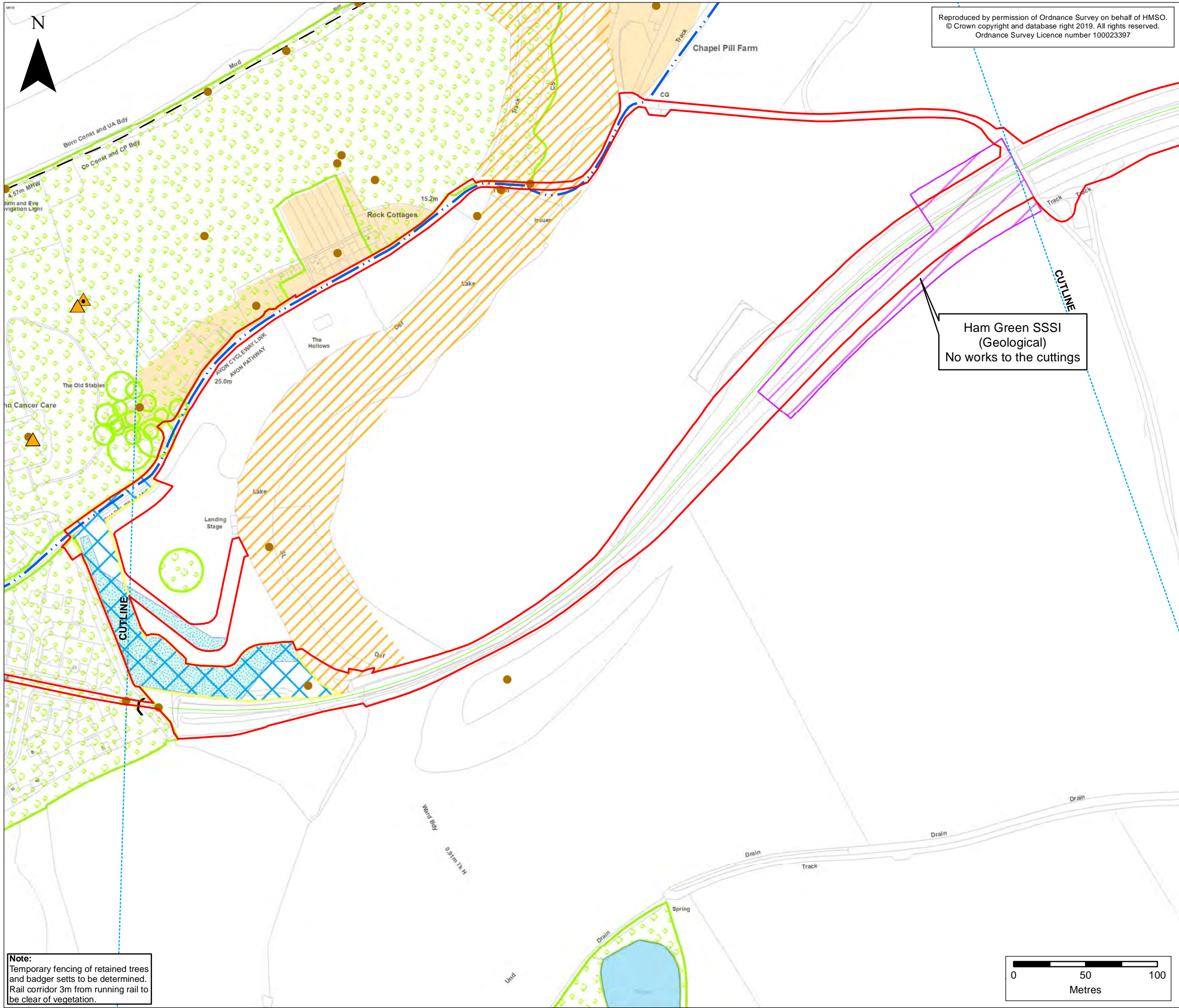
Checked By : Clare Williams Date: 08/11/2019

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674946 -001-024-A

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ES-A

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KEY

- Order Limits
- Local Authority Boundary

Portishead Branch Line

- The Associated Development Works
- Section in Tunnel

- Temporary construction compounds

Environmental Mitigation & Constraints

- Great Crested Newt (GCN) Pond
- Habitat Suitable for Otters
- Reptile Displacement Areas
- Tree Preservation Order (TPO)

Public Rights of Way

- Footpath
- Listed Building
- Non-designated Historic Structure
- Monument Point (Non-designated)
- Monument area (Non-designated)
- Site of Special Scientific Interest (SSSI)

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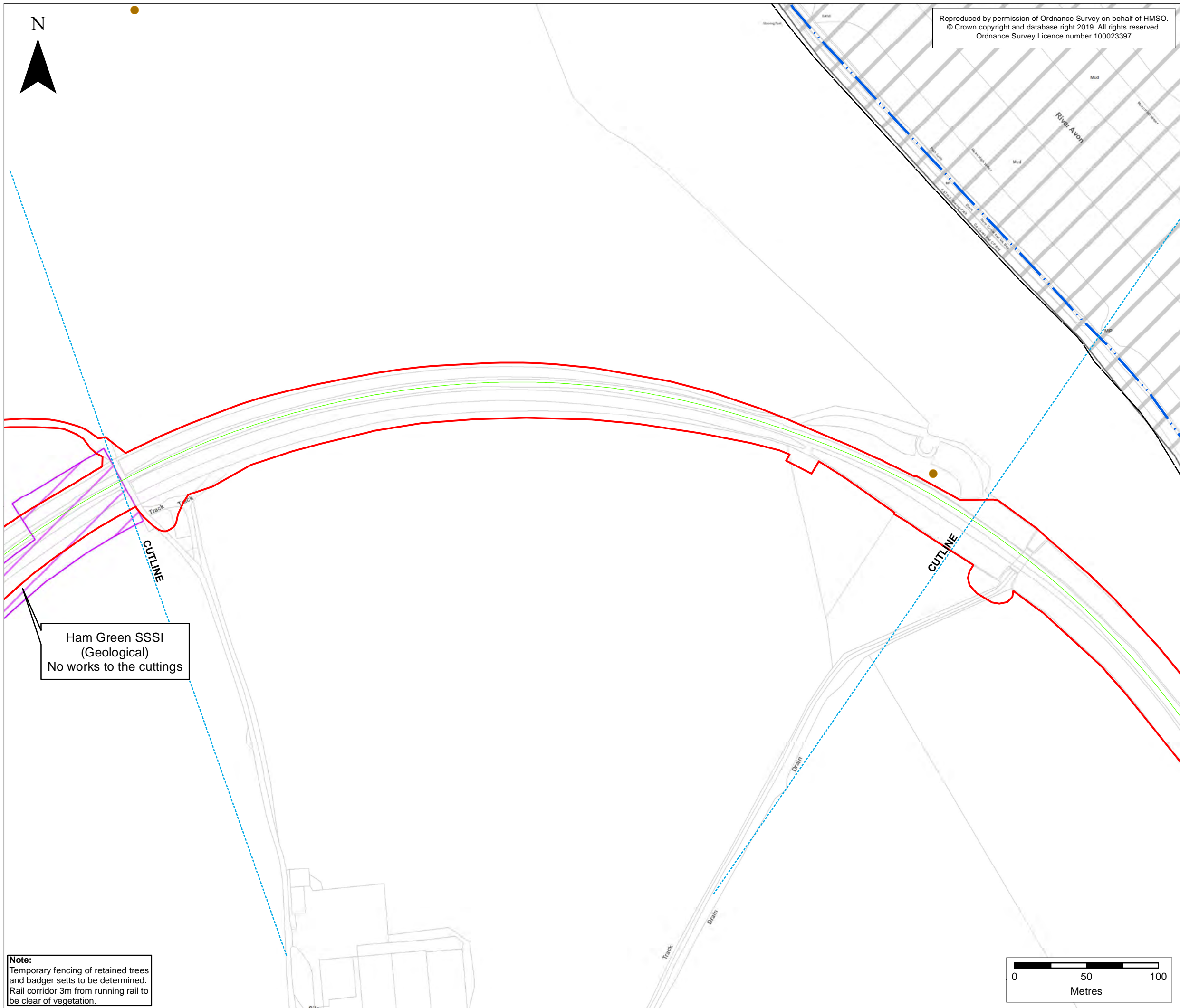
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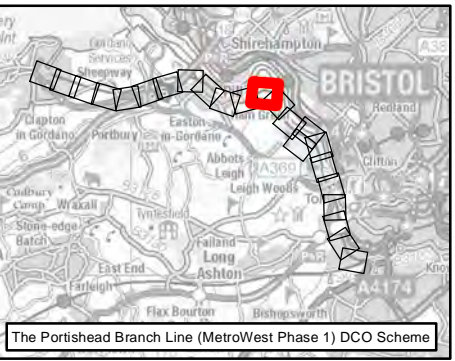
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Rail corridor 3m from running rail to be clear of vegetation.



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KEY

- Order Limits
- Local Authority Boundary
- Portishead Branch Line**
 - The Associated Development Works
- Public Rights of Way**
 - Footpath
- Conservation Areas (CA)
- Monument Point (Non-designated)
- Site of Special Scientific Interest (SSSI)

ES-A	MPC	CW	CF	26/09/2019	First draft
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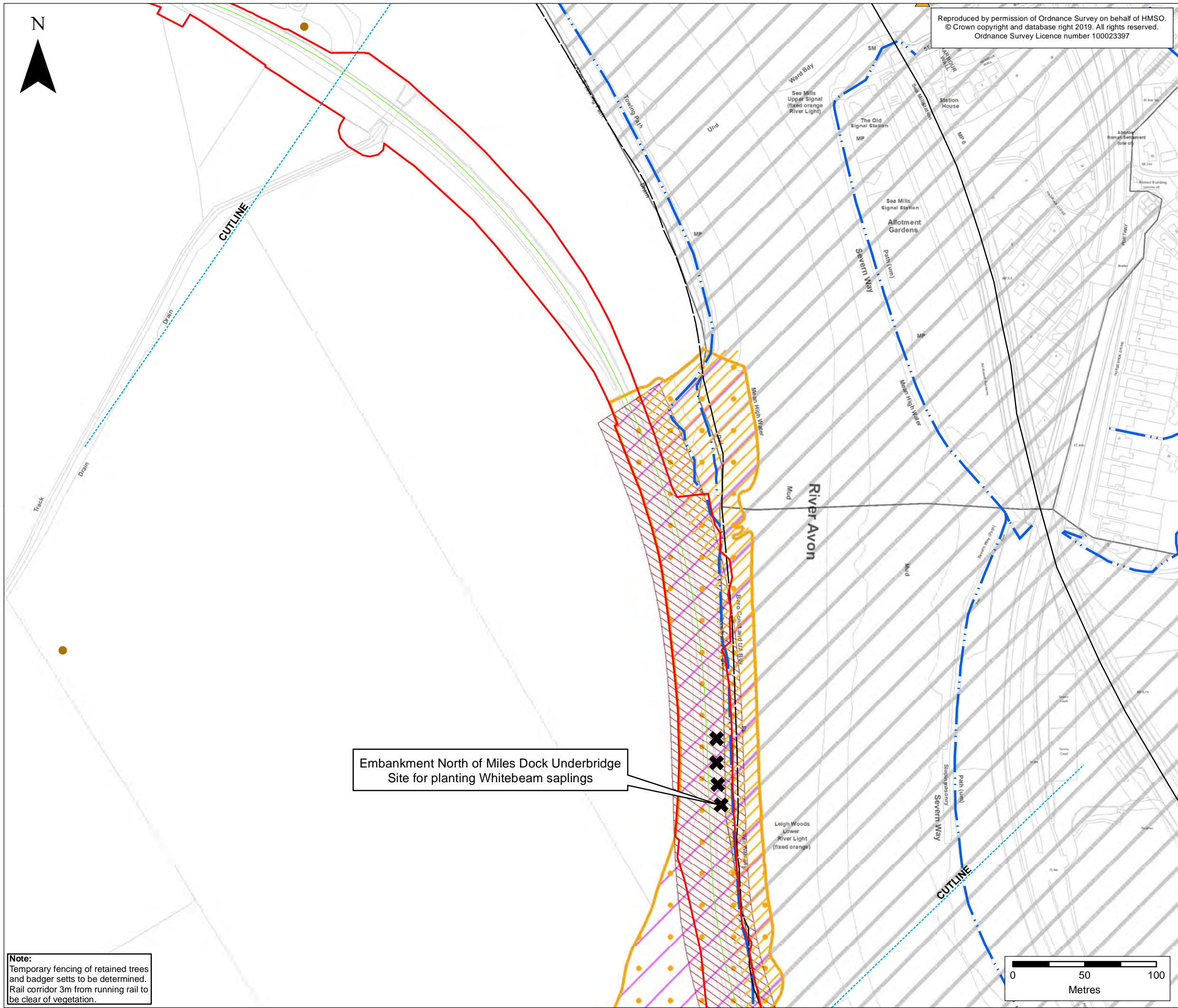
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APFP Regulation 5(2)(o)

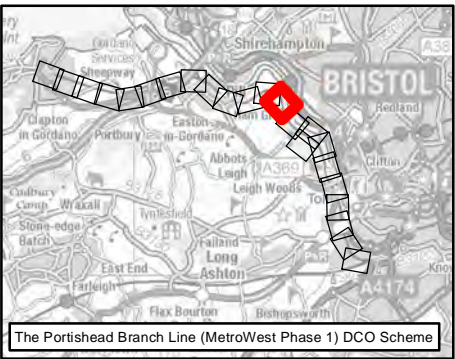
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- Portishead Branch Line**
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- Environmental Mitigation & Constraints**
 - Habitat Suitable for Otters
 - Habitat Suitable for Peregrine
 - Whitebeam Planting Location
- Public Rights of Way**
 - Footpath
- Conservation Areas (CA)
- Listed Building
- Monument Point (Non-designated)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)

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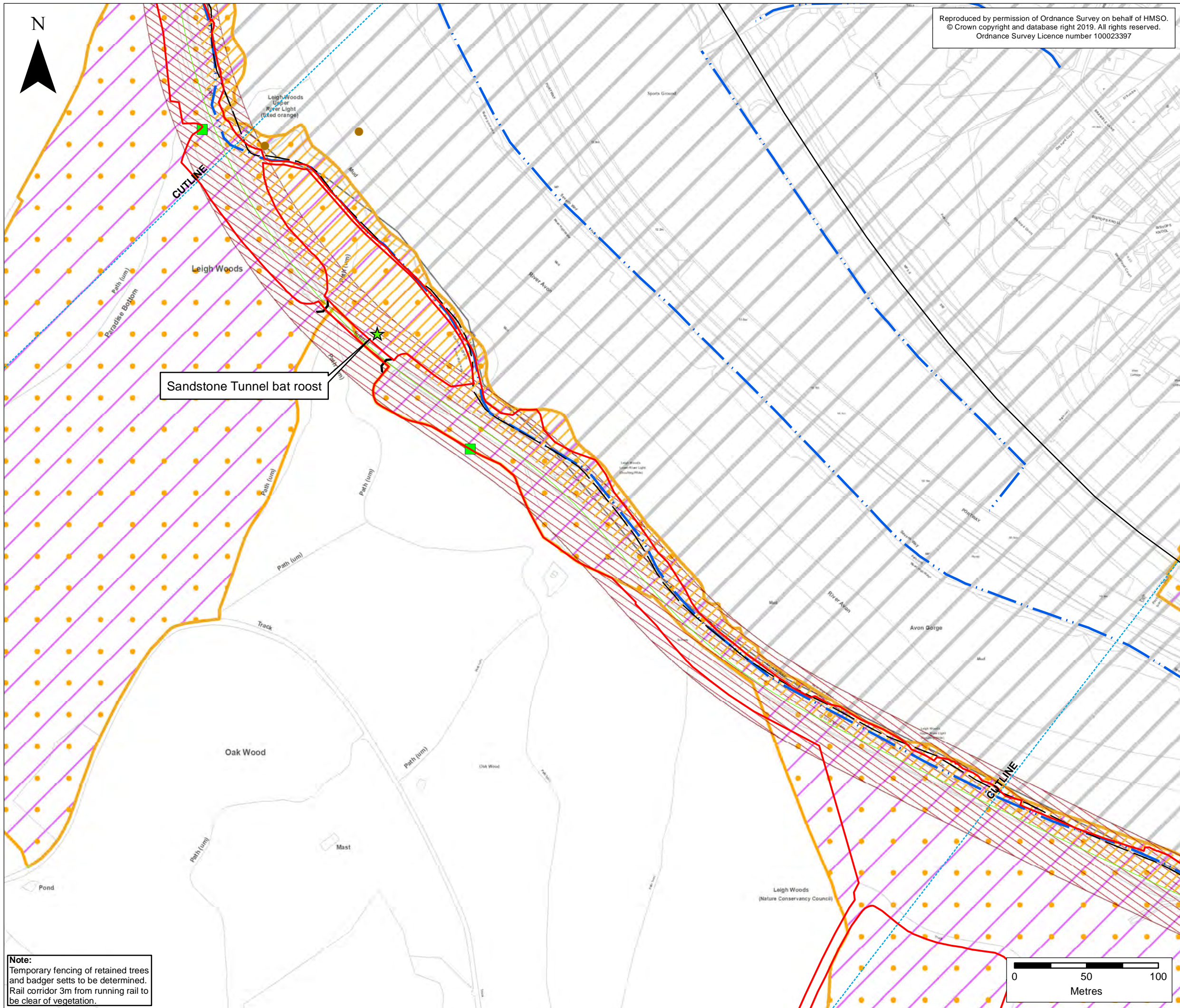
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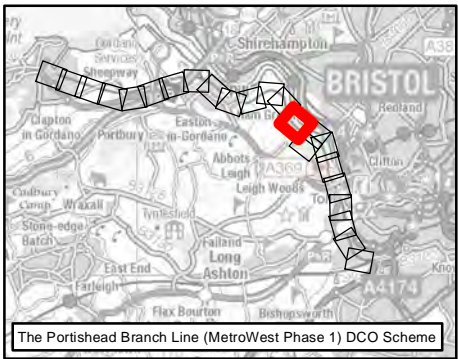
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 - Habitat Suitable for Otters
 - Habitat Suitable for Peregrine
 - ★ Bat Roost
 - Bat Box
- Public Rights of Way**
 - Footpath
 - Conservation Areas (CA)
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 - Special Area of Conservation (SAC)
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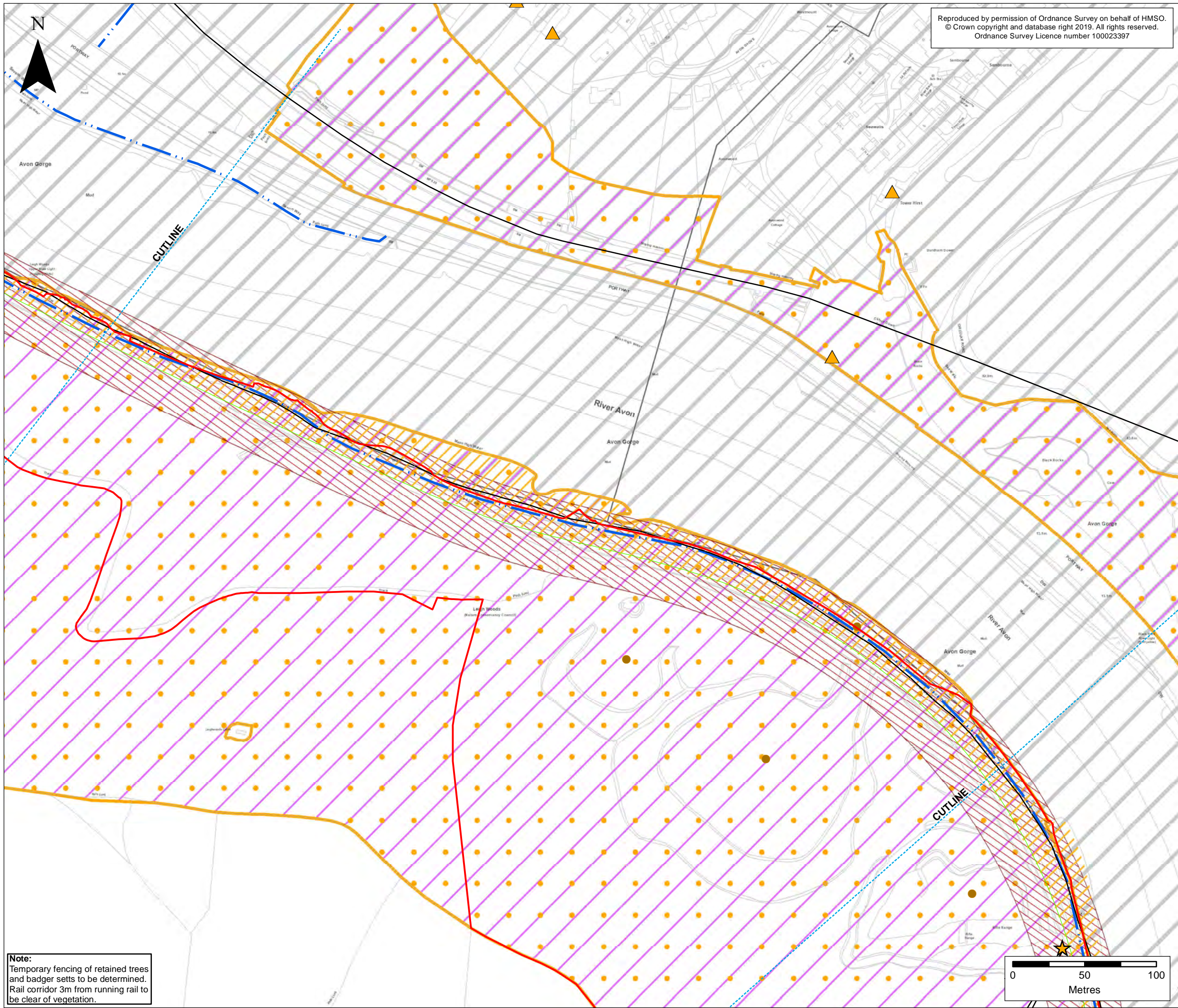
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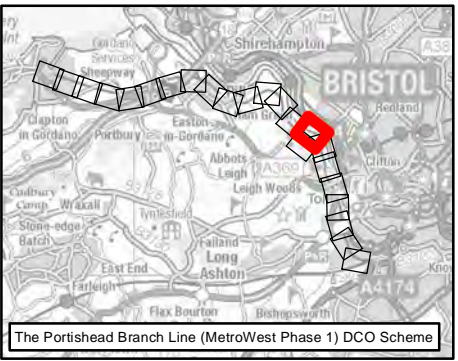
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- Environmental Mitigation & Constraints**
 - Habitat Suitable for Otters
 - Habitat Suitable for Peregrine
 - ★ Pale St John's Wort
- Public Rights of Way**
 - Footpath
- Conservation Areas (CA)
- ▲ Listed Building
- Monument Point (Non-designated)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)

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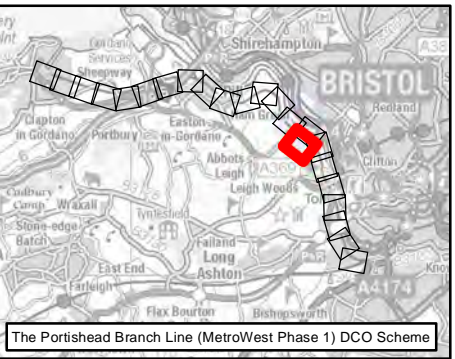
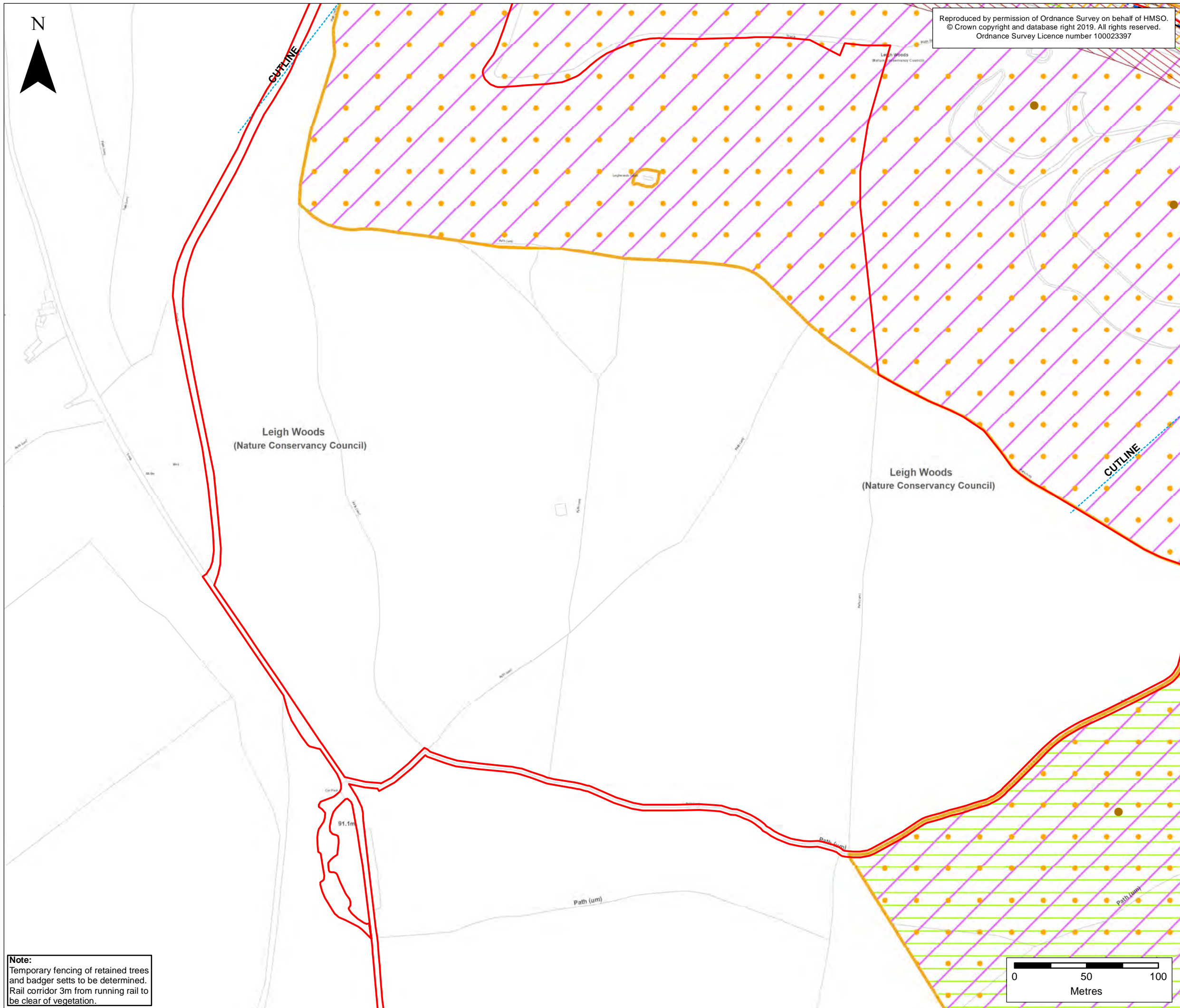
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 - National Nature Reserve (NNR)

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Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Environmental Master Plan (Sheet 16 of 23)
APFP Regulation 5(2)(o)

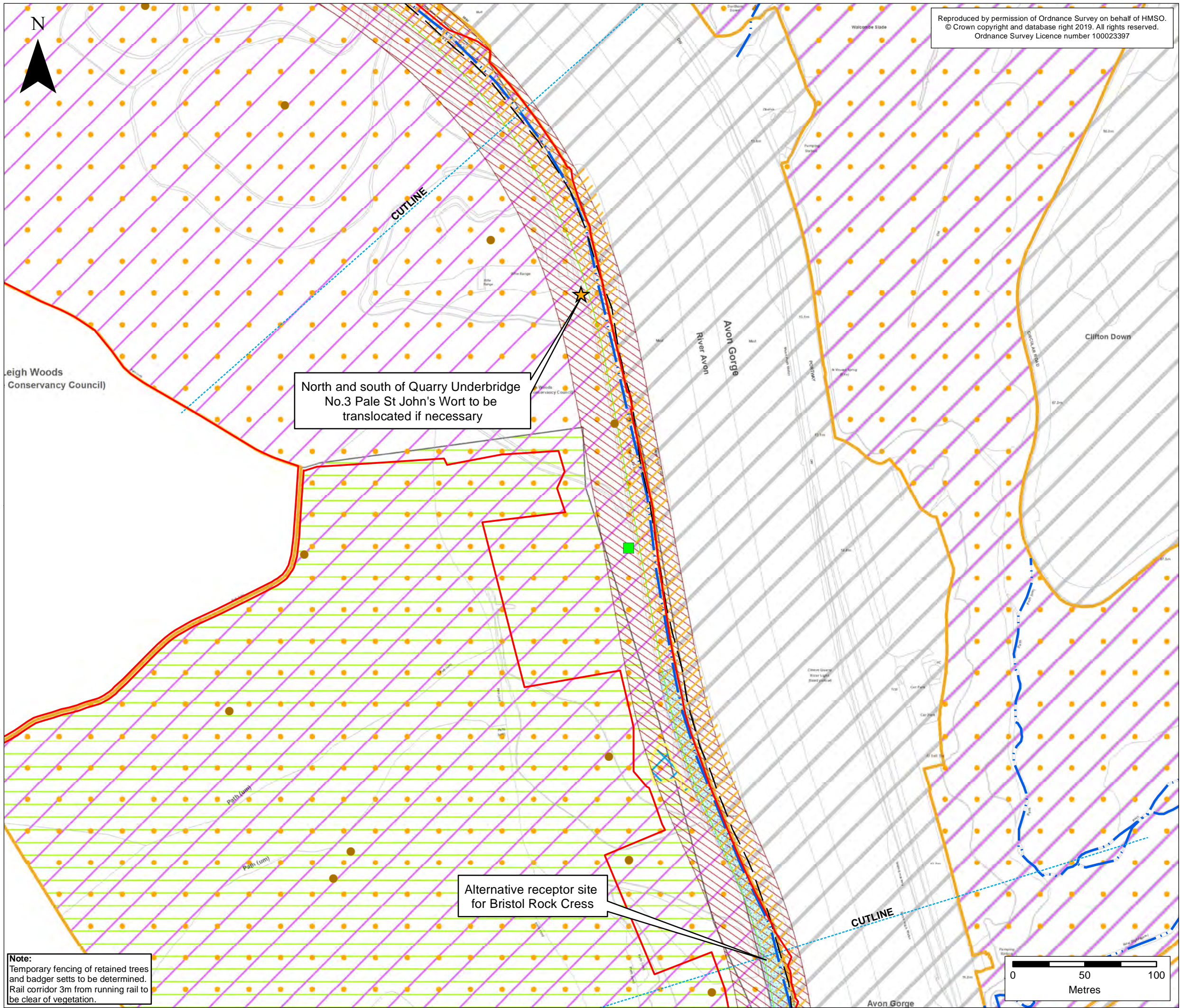
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Checked By : Clare Williams **Date:** 08/11/2019

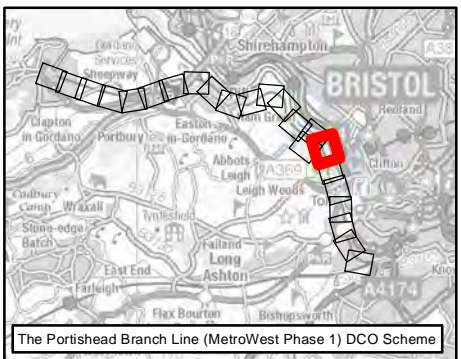
Approved By : Carolyn Francis **Date:** 08/11/2019

Drawing No. : 674946 -001-024-A	Revision ES-A
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Drawing Scale : 1:2,500 @ A3



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KEY

- Order Limits
- Local Authority Boundary

Portishead Branch Line

- The Associated Development Works
- Temporary construction compounds

Environmental Mitigation & Constraints

- Habitat Suitable for Otters
- Habitat Suitable for Peregrine
- Pale St John's Wort
- Bat Box
- Reptile Displacement Areas

Public Rights of Way

- Footpath
- Conservation Areas (CA)
- Monument Point (Non-designated)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)

Rev	ES-A	MPC	CW	CF	26/09/2019	First draft
By					Date	Description

Client



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Geospatial
Burderop Park, Swindon, SN4 0QD
Tel: +44 (0)1793 812479 Fax: +44
(0)1793 812089
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Project : Portishead Branch Line
(MetroWest Phase 1)

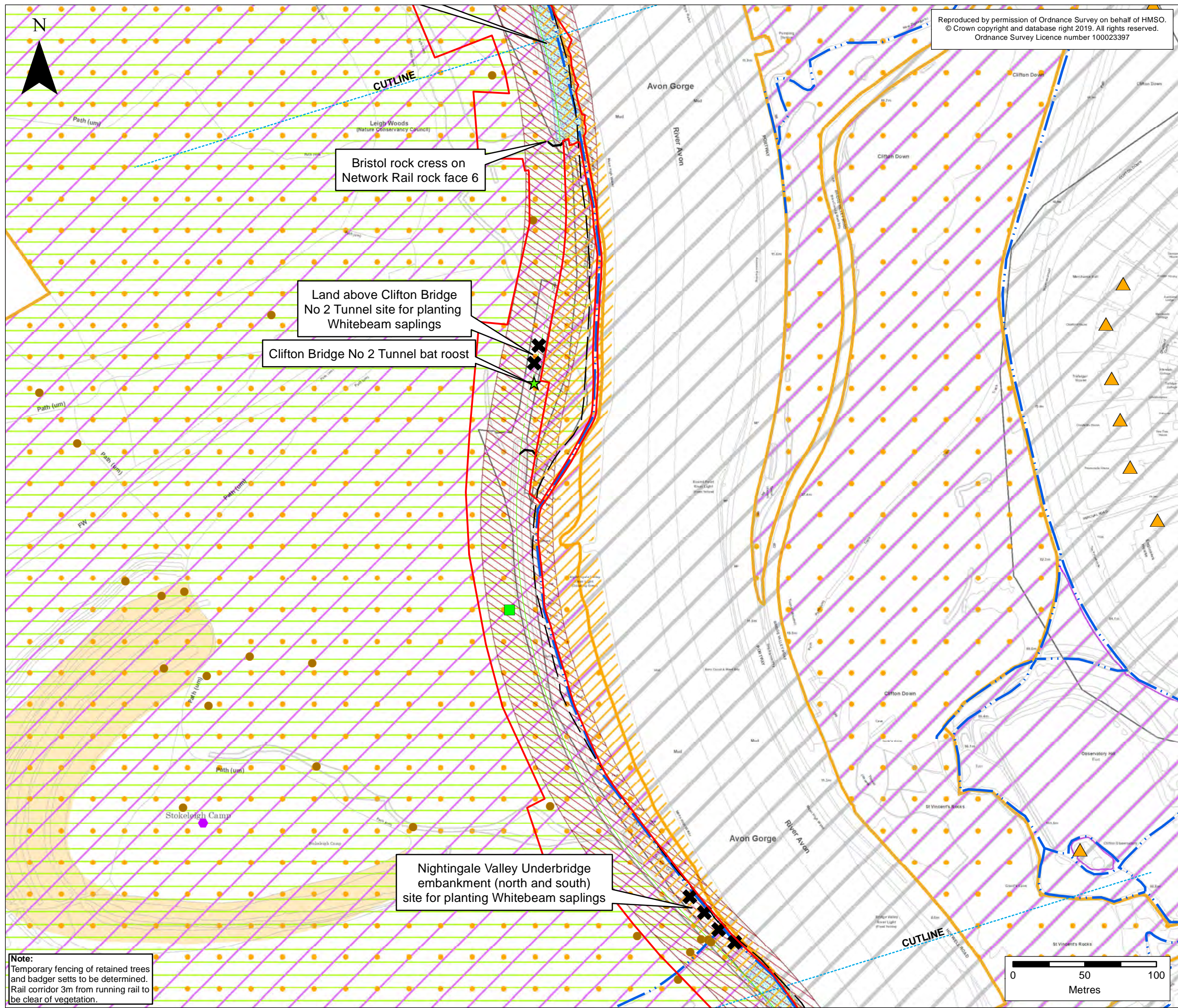
Drawing : Environmental Master Plan
(Sheet 17 of 23)
APFP Regulation 5(2)(o)

Drawn By : Martin Costello Date: 08/11/2019
Checked By : Clare Williams Date: 08/11/2019
Approved By : Carolyn Francis Date: 08/11/2019

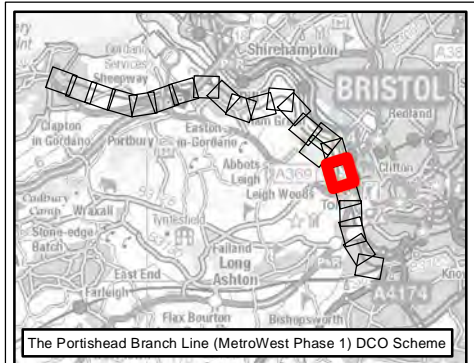
Drawing No. : 674946 -001-024-A Revision
ES-A

Drawing Scale : 1:2,500 @ A3

Note:
Temporary fencing of retained trees
and badger setts to be determined.
Rail corridor 3m from running rail to
be clear of vegetation.



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KEY

- Order Limits
- Local Authority Boundary

Portishead Branch Line

- The Associated Development Works
- Section in Tunnel

Environmental Mitigation & Constraints

- Habitat Suitable for Otters
- Habitat Suitable for Peregrine
- Whitebeam Planting Location
- Bat Roost
- Bat Box
- Reptile Displacement Areas

Public Rights of Way

- Footpath
- Conservation Areas (CA)
- Listed Building
- Monument Point (Non-designated)
- Scheduled Monument point (Non-designated)
- Monument area (Non-designated)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)

ES-A	MPC	CW	CF	26/09/2019	First draft
Rev	By	Chkd	Apprvd	Date	Description

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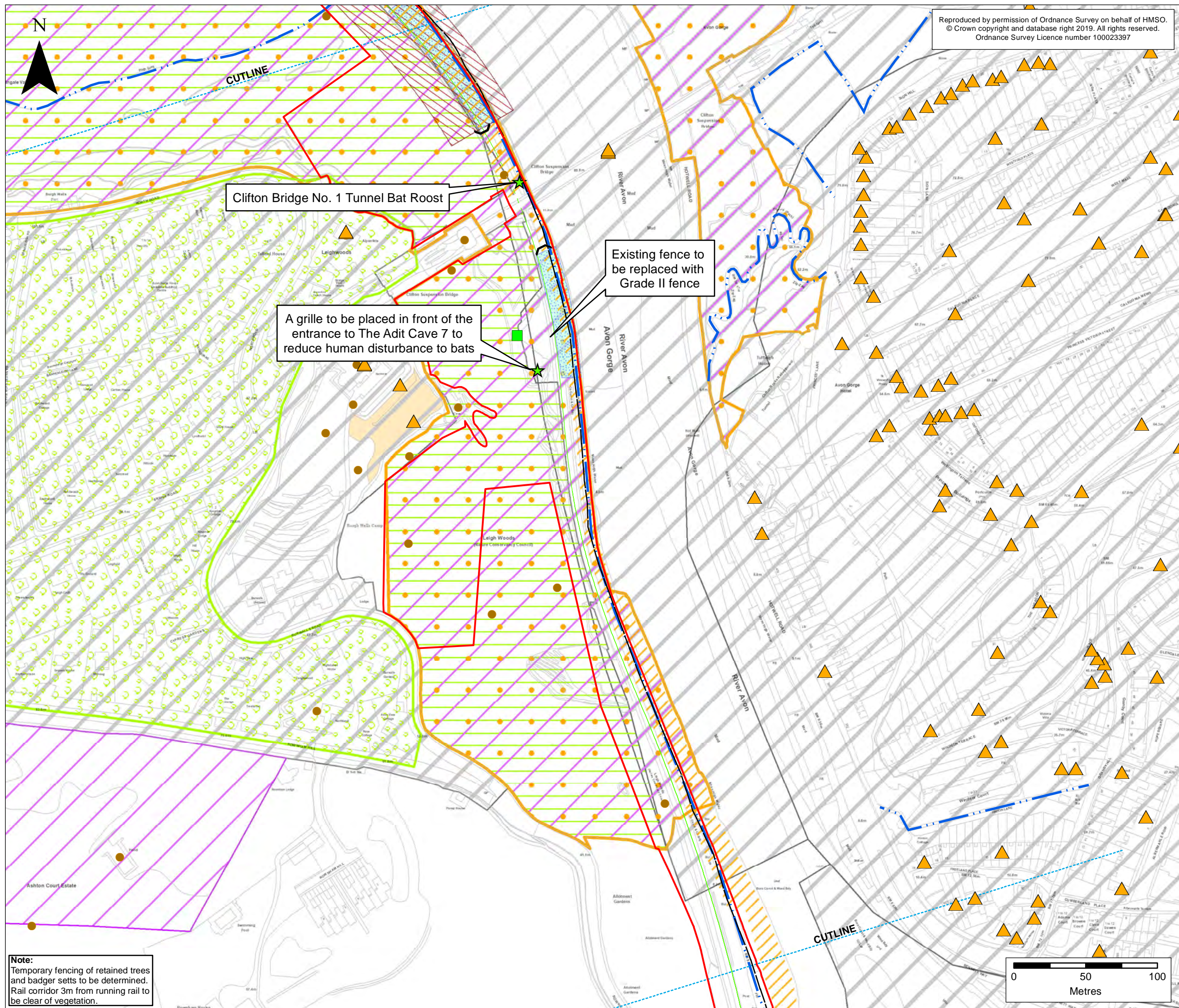
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Drawing : Environmental Master Plan (Sheet 18 of 23)
APFP Regulation 5(2)(o)

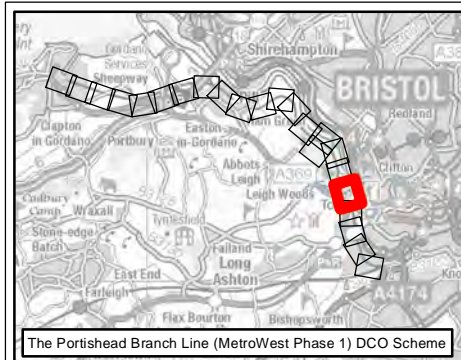
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KEY

- Order Limits
- Local Authority Boundary
- Portishead Branch Line**
 - The Associated Development Works
 - Section in Tunnel
- Environmental Mitigation & Constraints**
 - Habitat Suitable for Otters
 - Habitat Suitable for Peregrine
 - Bat Roost
 - Bat Box
 - Reptile Displacement Areas
 - Tree Preservation Order (TPO)
- Public Rights of Way**
 - Footpath
- Conservation Areas (CA)**
 - Listed Building
 - Non-designated Historic Structure
 - Monument Point (Non-designated)
 - Monument area (Non-designated)
 - Special Area of Conservation (SAC)
 - Site of Special Scientific Interest (SSSI)
 - National Nature Reserve (NNR)

Rev	ES-A	MPC	CW	CF	26/09/2019	First draft
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Project : Portishead Branch Line (MetroWest Phase 1)

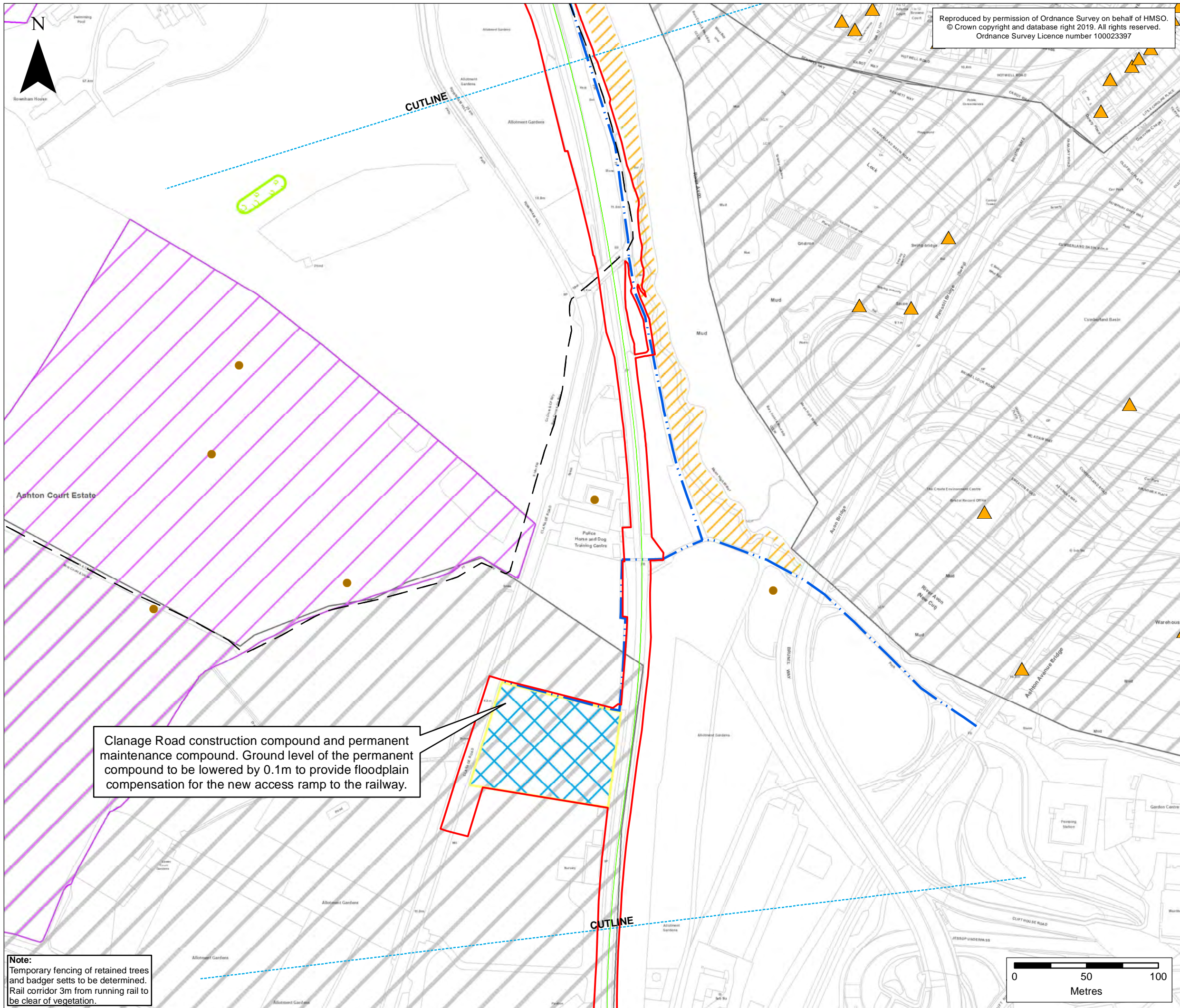
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APFP Regulation 5(2)(o)

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Checked By : Clare Williams **Date:** 08/11/2019
Approved By : Carolyn Francis **Date:** 08/11/2019

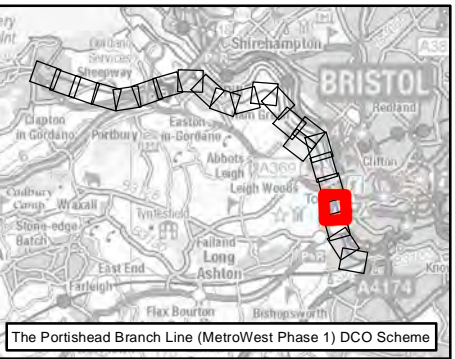
Drawing No. : 674946 -001-024-A	Revision ES-A
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Note:
Temporary fencing of retained trees and badger setts to be determined.
Rail corridor 3m from running rail to be clear of vegetation.



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KEY

- Order Limits
- Local Authority Boundary
- Portishead Branch Line**
- The Associated Development Works
- Temporary construction compounds
- Environmental Mitigation & Constraints**
- Habitat Suitable for Otters
- Tree Preservation Order (TPO)
- Public Rights of Way**
- Footpath
- Conservation Areas (CA)
- Listed Building
- Monument Point (Non-designated)
- Site of Special Scientific Interest (SSSI)

ES-A	MPC	CW	CF	26/09/2019	First draft
Rev	By	Chkd	Apprvd	Date	Description

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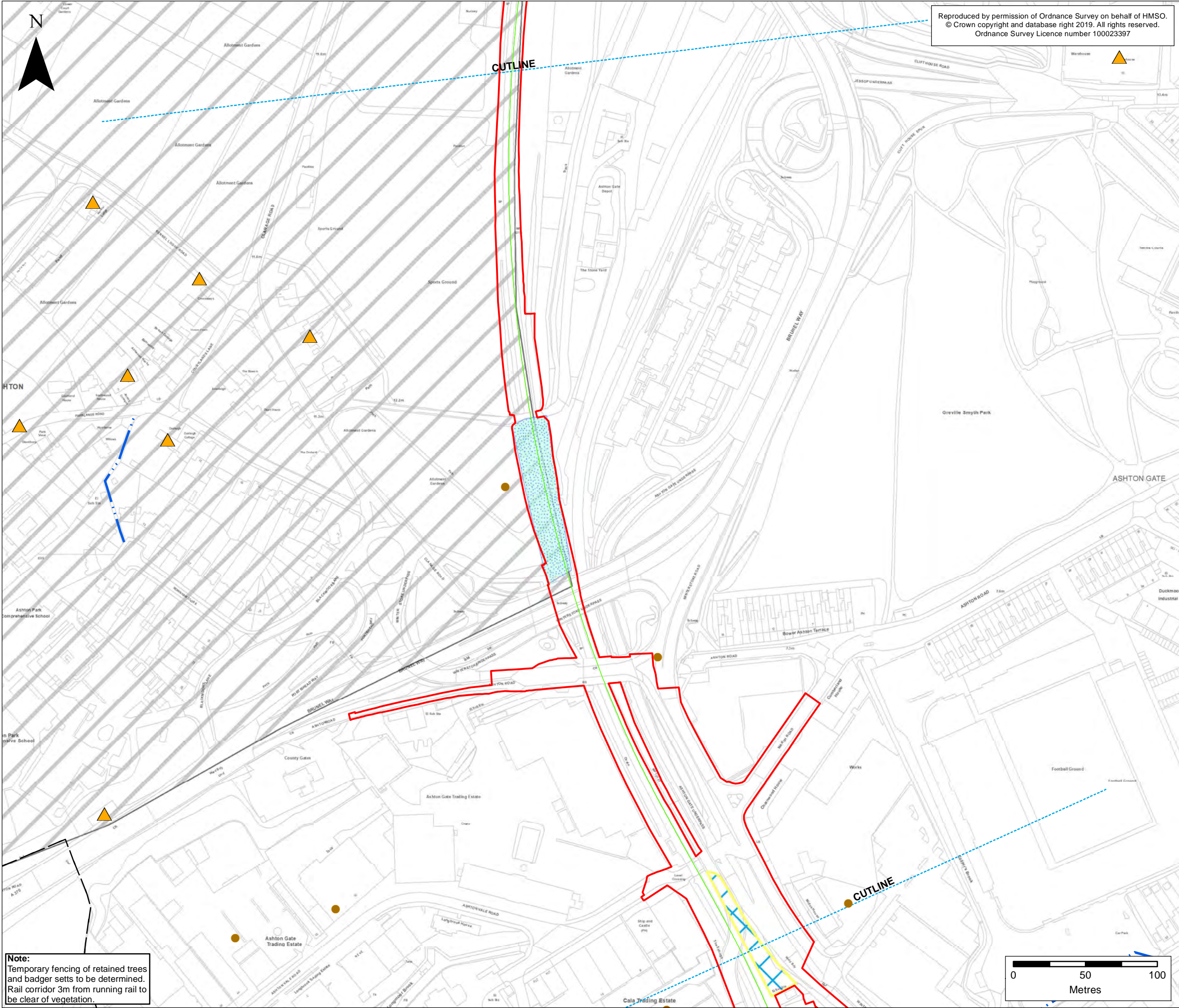
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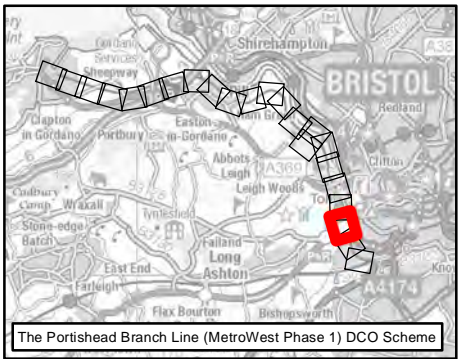
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Project :	Portishead Branch Line (MetroWest Phase 1)		
Drawing :	Environmental Master Plan (Sheet 20 of 23) <i>APFP Regulation 5(2)(o)</i>		
Drawn By :	Martin Costello	Date:	08/11/2019
Checked By :	Clare Williams	Date:	08/11/2019
Approved By :	Carolyn Francis	Date:	08/11/2019
Drawing No. :	674946 -001-024-A		Revision ES-A
Drawing Scale :	1:2,500 @ A3		

Note:
Temporary fencing of retained trees and badger setts to be determined.
Rail corridor 3m from running rail to be clear of vegetation.



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KEY

- Order Limits
- Local Authority Boundary
- Portishead Branch Line**
- The Associated Development Works
- Temporary construction compounds
- Reptile Displacement Areas
- Public Rights of Way**
- Footpath
- Conservation Areas (CA)
- Listed Building
- Monument Point (Non-designated)

ES-A	MPC	CW	CF	26/09/2019	First draft
Rev	By	Chkd	Apprvd	Date	Description

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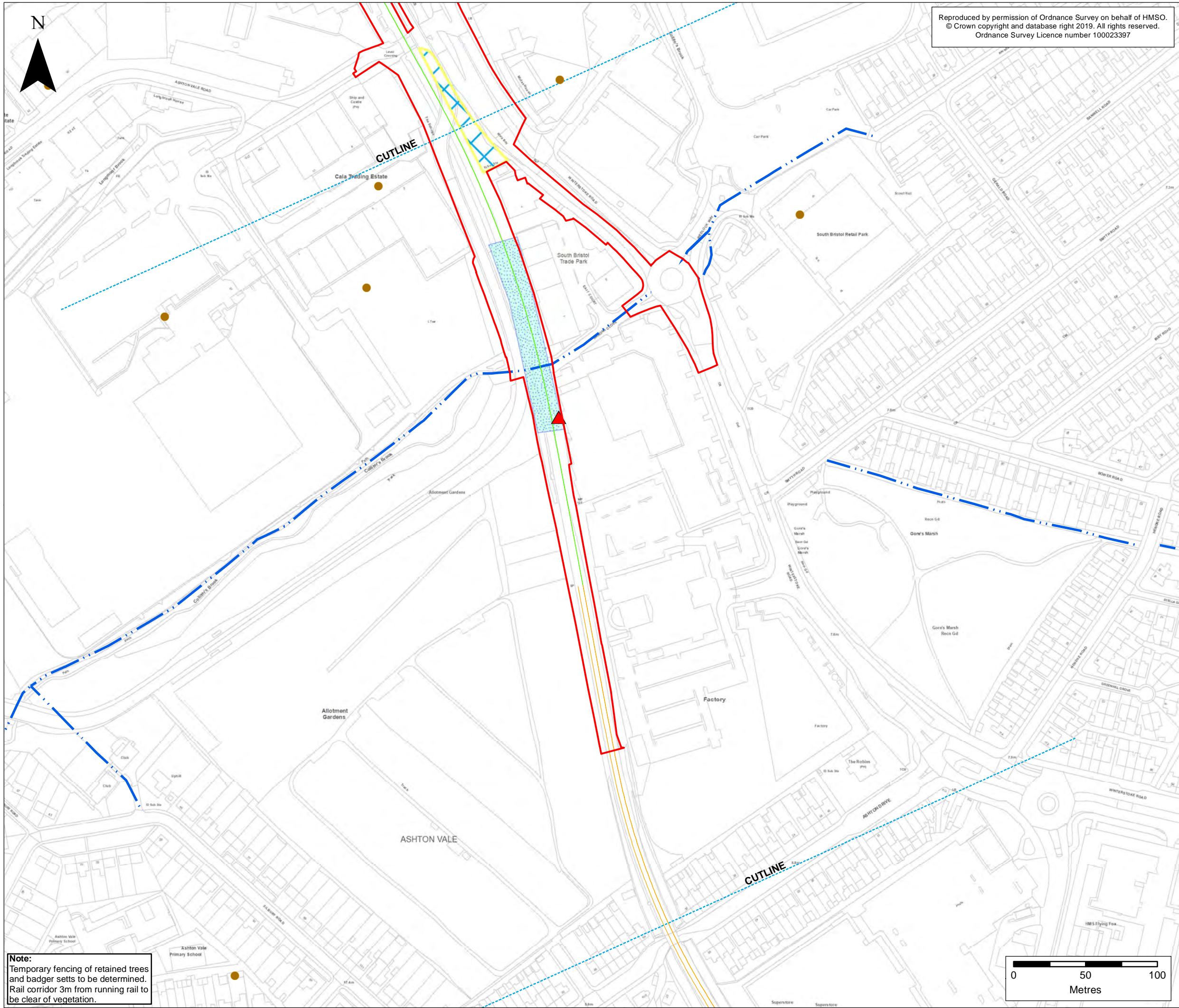


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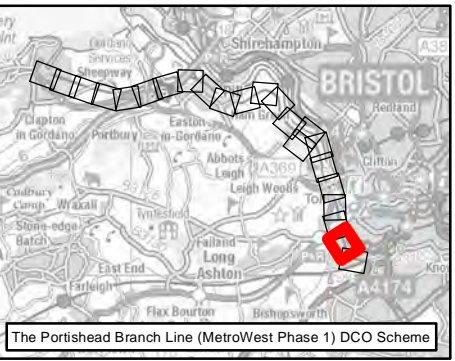


Project :	Portishead Branch Line (MetroWest Phase 1)		
Drawing :	Environmental Master Plan (Sheet 21 of 23) <i>APFP Regulation 5(2)(o)</i>		
Drawn By :	Martin Costello	Date:	08/11/2019
Checked By :	Clare Williams	Date:	08/11/2019
Approved By :	Carolyn Francis	Date:	08/11/2019
Drawing No. :	674946 -001-024-A		Revision ES-A
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KEY

- Order Limits
- Local Authority Boundary
- The Associated Development Works
- X Temporary construction compounds
- Network Rail Permitted Development Rights
- ▲ Reptile/GCN Hibernacula
- Reptile Displacement Areas
- Footpath
- Monument Point (Non-designated)

Public Rights of Way

- Footpath
- Monument Point (Non-designated)

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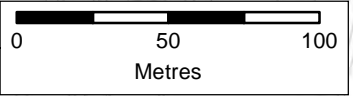


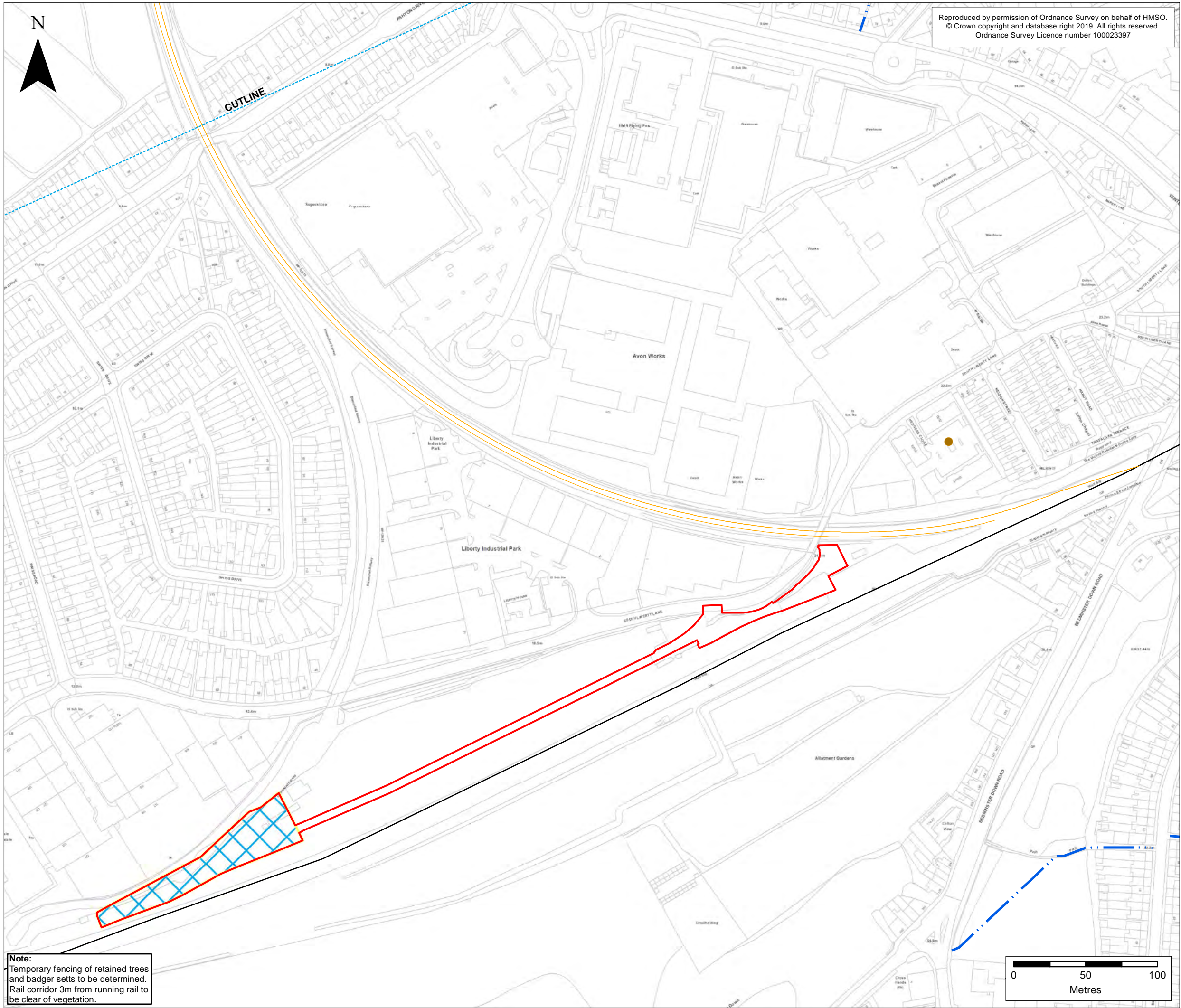
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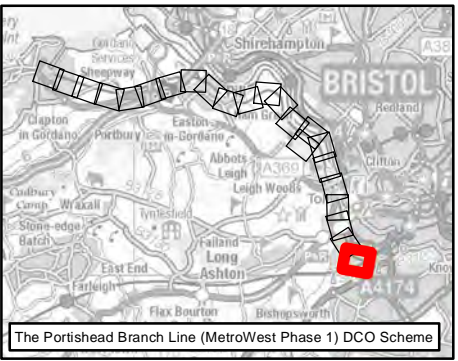
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Drawing :	Environmental Master Plan (Sheet 22 of 23) <i>APFP Regulation 5(2)(o)</i>		
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Checked By :	Clare Williams	Date:	08/11/2019
Approved By :	Carolyn Francis	Date:	08/11/2019
Drawing No. :	674946 -001-024-A		Revision ES-A
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Note:
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KEY

- Order Limits
- Local Authority Boundary
- Temporary construction compounds
- Other Works**
 - Network Rail Permitted Development Rights
- Public Rights of Way**
 - Footpath
 - Monument Point (Non-designated)

Note:
Temporary fencing of retained trees and badger setts to be determined.
Rail corridor 3m from running rail to be clear of vegetation.

ES-A	MPC	CW	CF	26/09/2019	First draft
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Drawing : Environmental Master Plan (Sheet 23 of 23) APFP Regulation 5(2)(o)	
Drawn By : Martin Costello	Date: 08/11/2019
Checked By : Clare Williams	Date: 08/11/2019
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Drawing Scale : 1:2,500 @ A3	