



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

6.24, Environmental Statement, Volume 3, Air Quality Figures 7.1, 7.2, 7.3 and 7.4

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

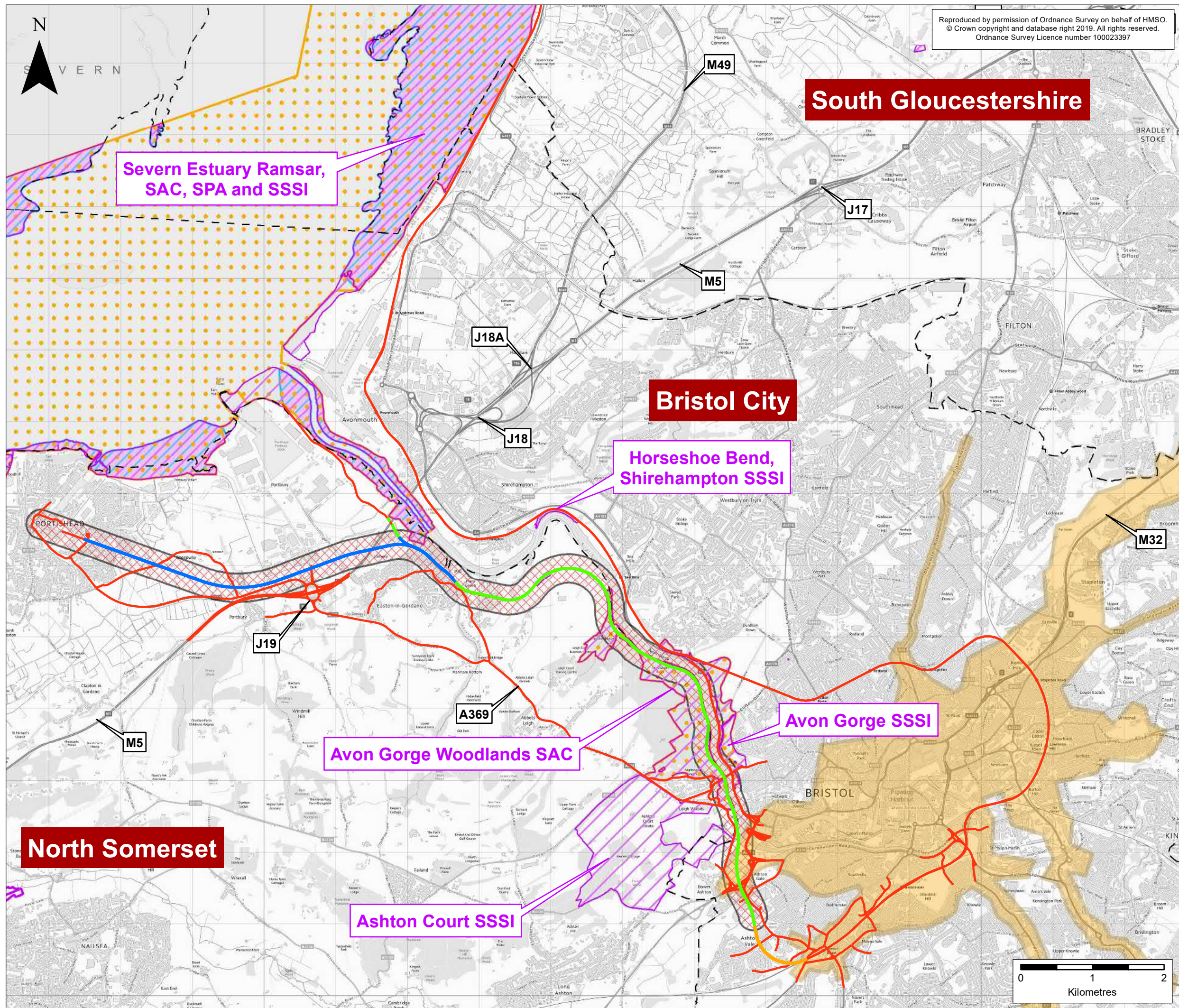
Author: CH2M

Revision: Version 2

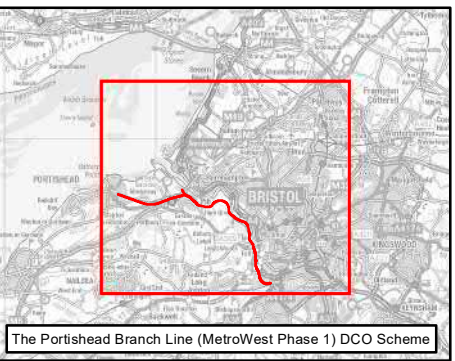
Date: June 2020



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KEY

- Local Authority Boundaries
- Study Area for Air
- Nature Conservation Sites**
 - Special Area of Conservation (SAC)
 - Special Protection Area (SPA)
 - Site of Special Scientific Interest (SSSI)
 - Ramsar
- Portishead Branch Line**
 - The Nationally Significant Infrastructure Project (NSIP) Works
 - The Associated Development Works
 - Section in Tunnel
- Other Works**
 - Network Rail Permitted Development Rights
- Air Quality**
 - Air Quality Management Area
 - Scheme Extent 200m Buffer

ES-A	MPC	CT	CF	28/10/2019	First draft
Rev	By	Chkd	Apprvd	Date	Description

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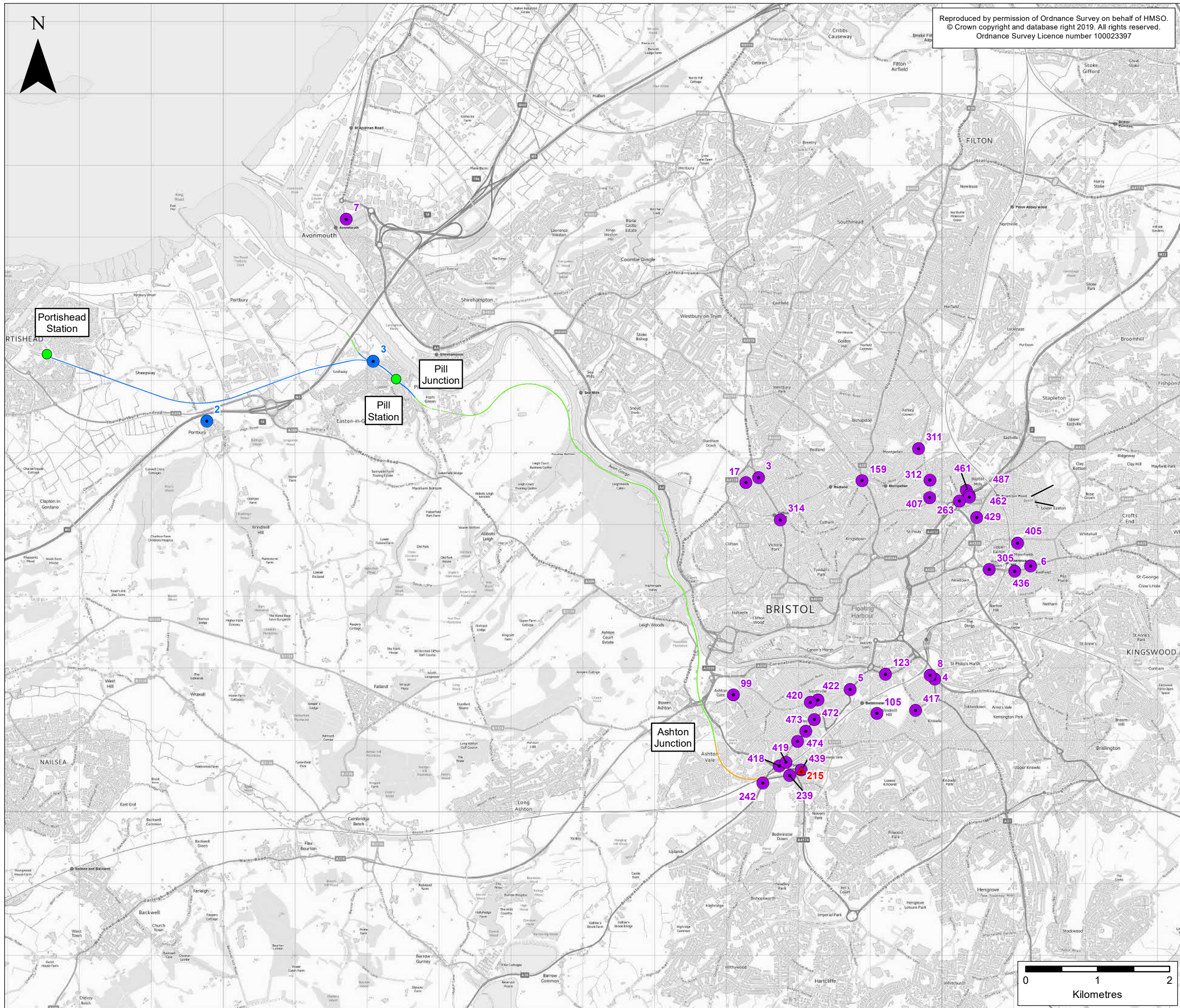
Project :
**Portishead Branch Line
(MetroWest Phase 1)**

Drawing :
**Figure 7.1: Air Quality Constraints
APFP Regulation 5(2)(a)**

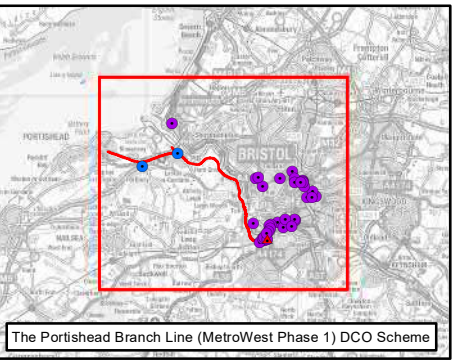
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Checked By : Colin Tully Date: 28/10/2019
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KEY

Portishead Branch Line

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

- New Station

Other Works

- Network Rail Permitted Development Rights

Air Quality Monitoring Stations

- BCC Automatic Monitoring Station
- BCC Diffusion Monitoring Station
- NSC Diffusion Monitoring Station

Rev	By	Chkd	Apprvd	Date	Description
ES-A	MPC	CT	CF	28/10/2019	First draft

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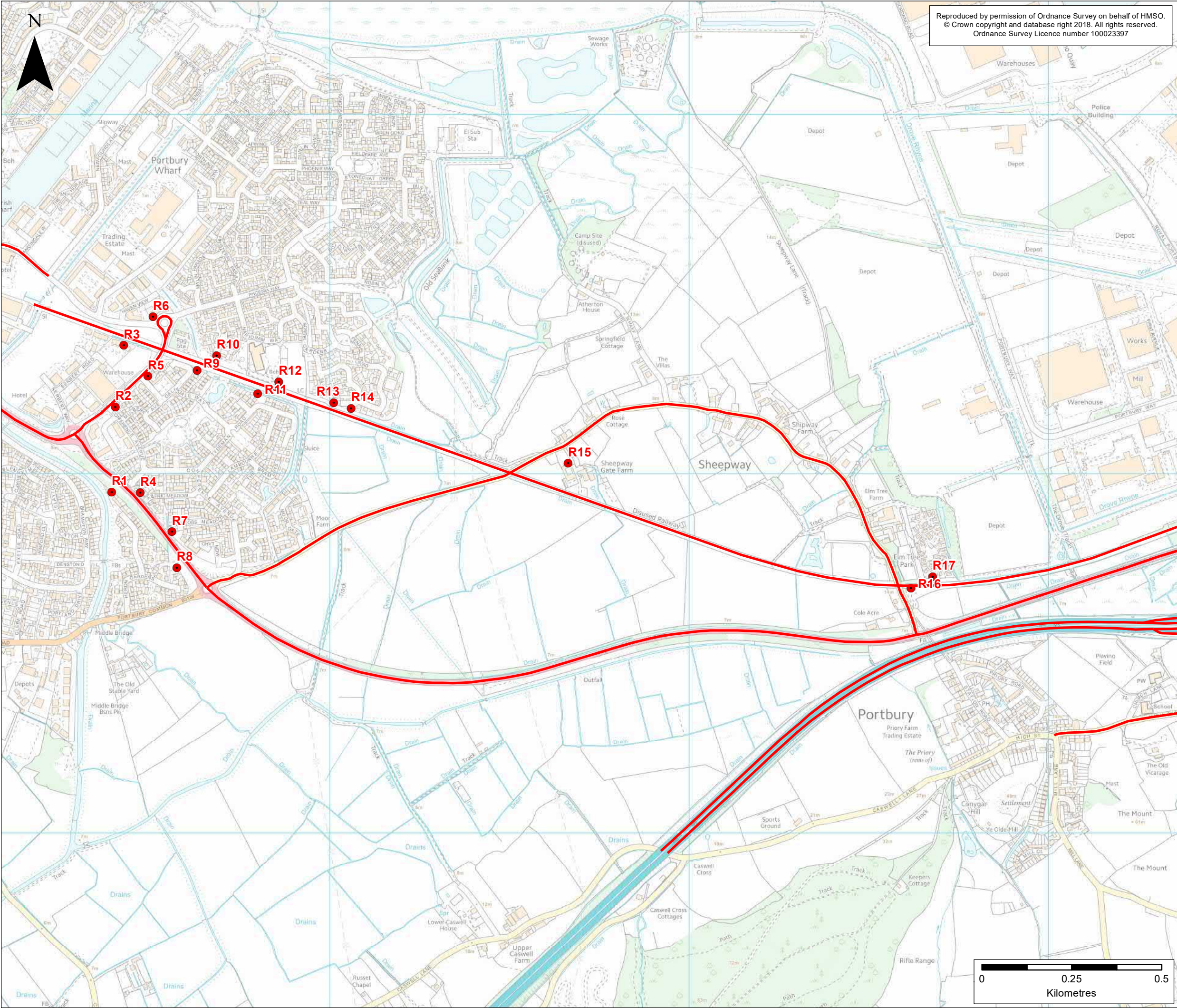
Project :
Portishead Branch Line (MetroWest Phase 1)

Drawing :
Figure 7.2: Locations of North Somerset (NSC) and Bristol City Council (BCC) Monitoring Sites APFP Regulation 5(2)(a)

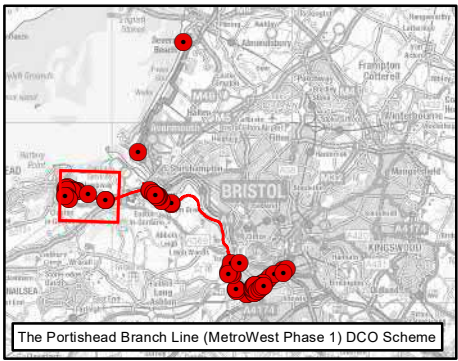
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KEY

Air Quality Modelling

- Study Area for Air Quality
- Sampled Residential Receptors

ES-A	MPC	CT	CF	28/10/2019	First draft
ES-B	HCP	KT	CF	05/06/2020	Receptor updates
Rev	By	Chkd	Apprvd	Date	Description

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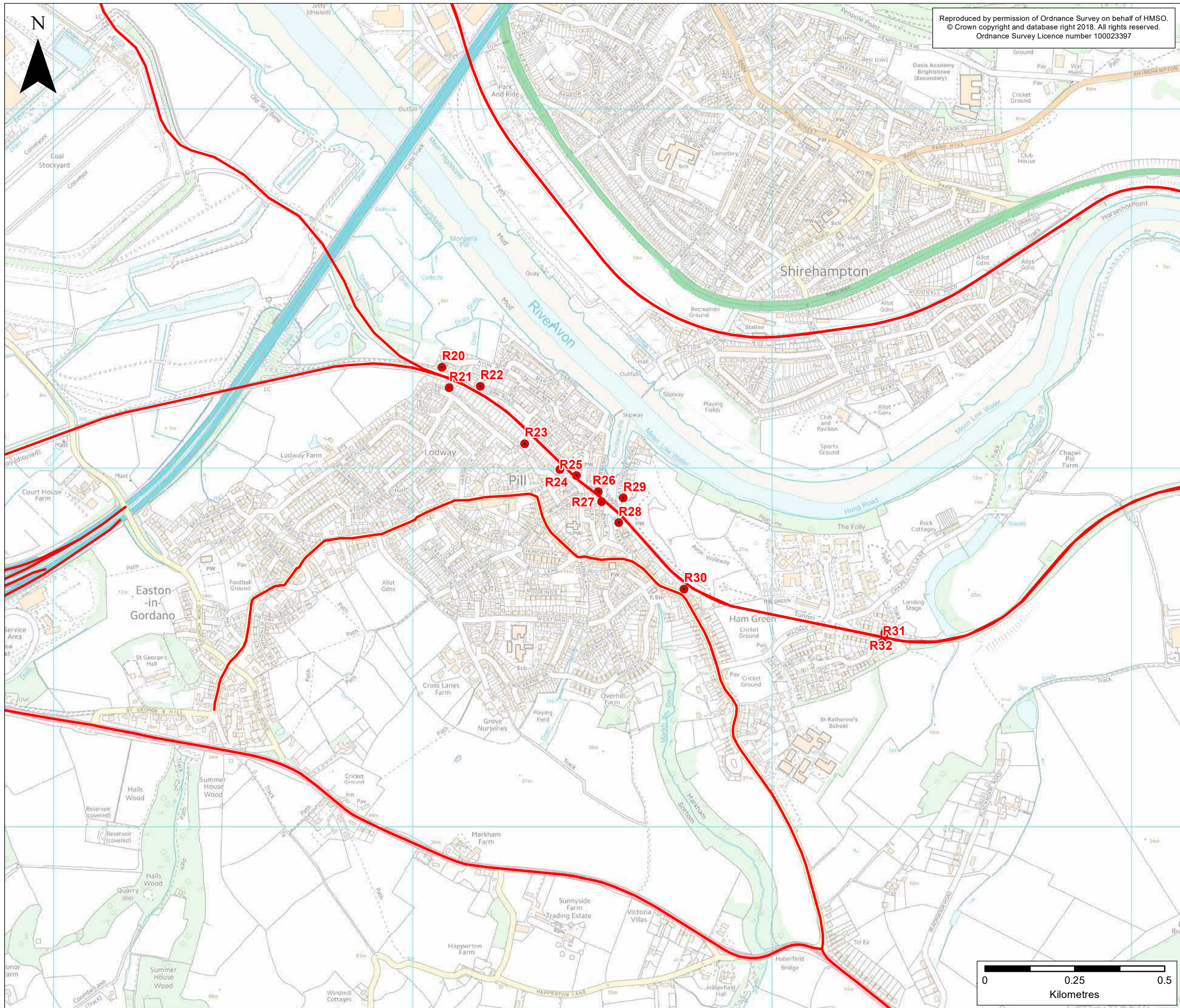
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Project : Portishead Branch Line (MetroWest Phase 1)

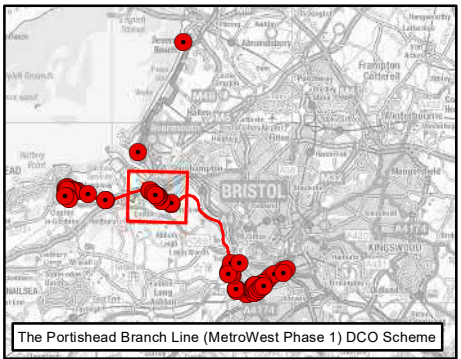
Drawing: Figure 7.3: Locations of Receptors
Sheet 1 of 6 - Portishead
APFP Regulation 5(2)(a)

Drawn By :	Hana Pearce	Date:	05/06/2020
Checked By :	Kevin Turpin	Date:	05/06/2020
Approved By :	Carolyn Francis	Date:	05/06/2020

Drawing No. :	674946 -001-005	Revision	ES-B
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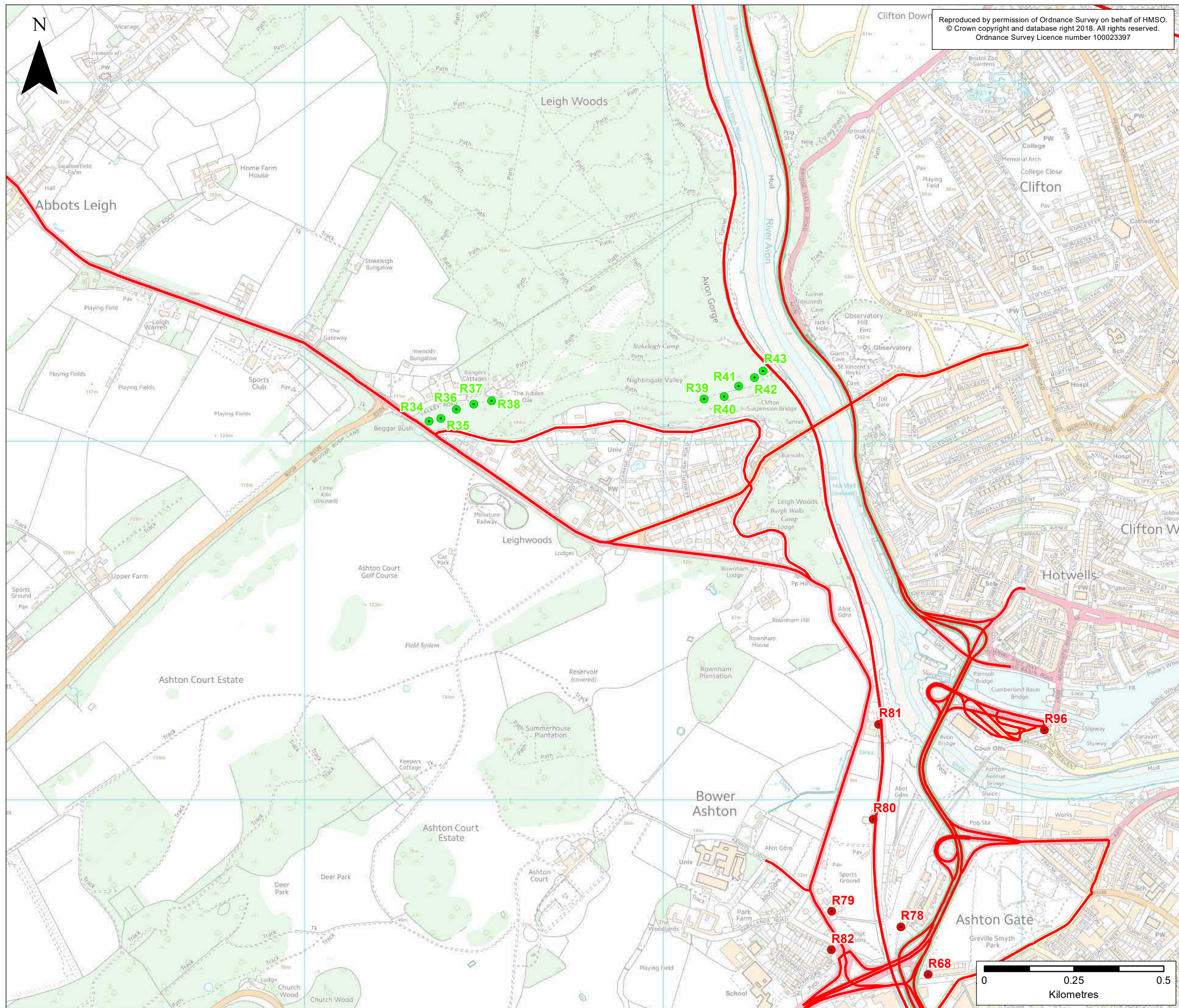
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 7.3: Locations of Receptors
Sheet 2 of 6 - Pill
APFP Regulation 5(2)(a)

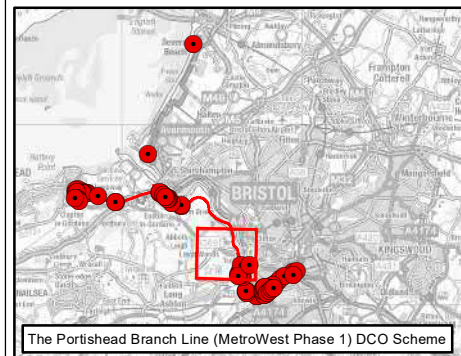
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KEY

Air Quality Modelling

- Study Area for Air Quality
- Sampled Residential Receptors
- Ecological Receptors

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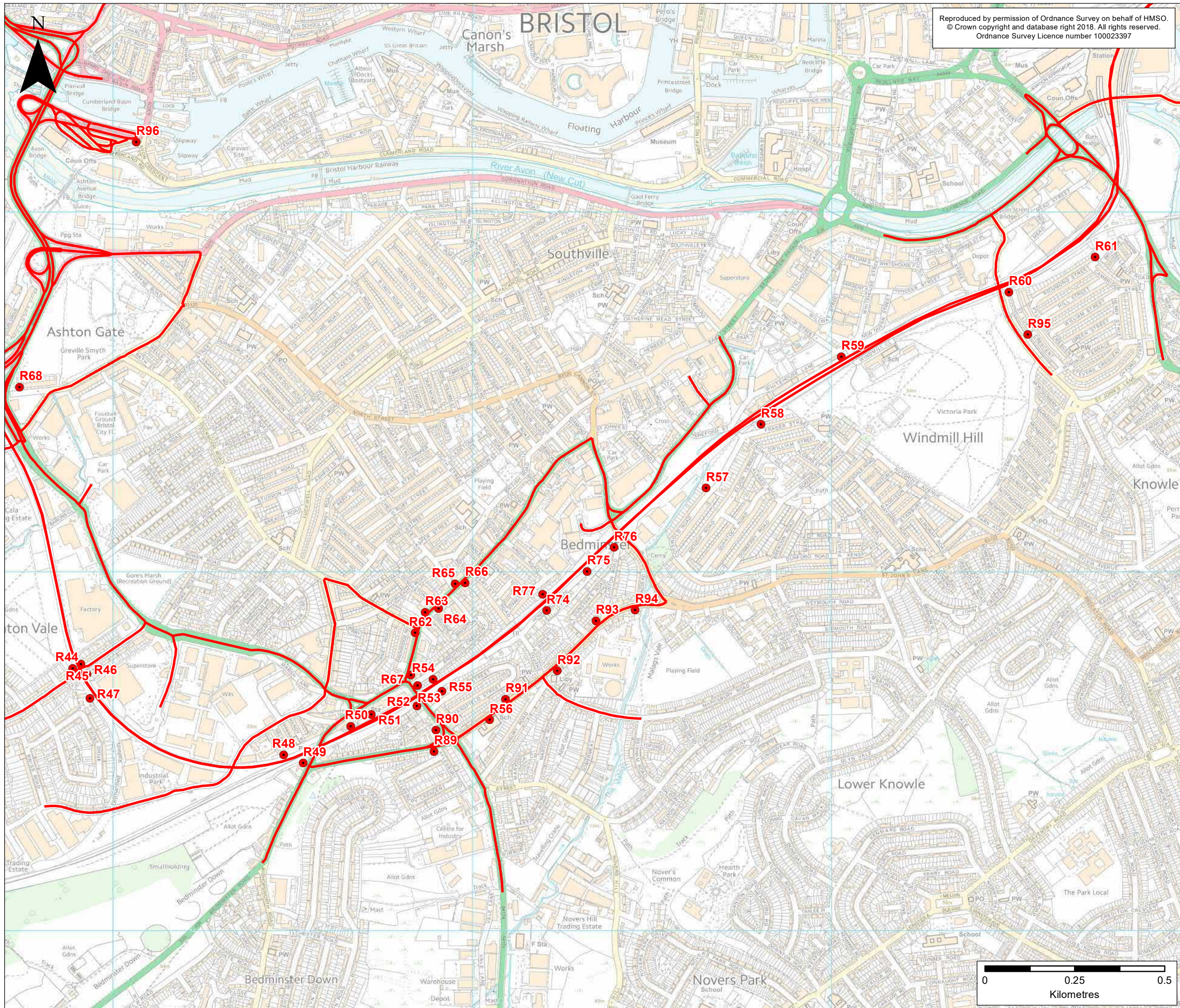
Project :
Portishead Branch Line
(MetroWest Phase 1)

Drawing:
Figure 7.3: Locations of Receptors
Sheet 3 of 6 - Leigh Woods
APFP Regulation 5(2)(a)

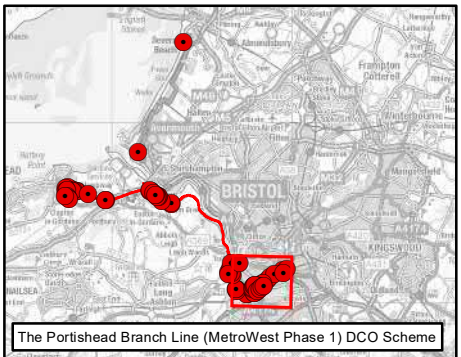
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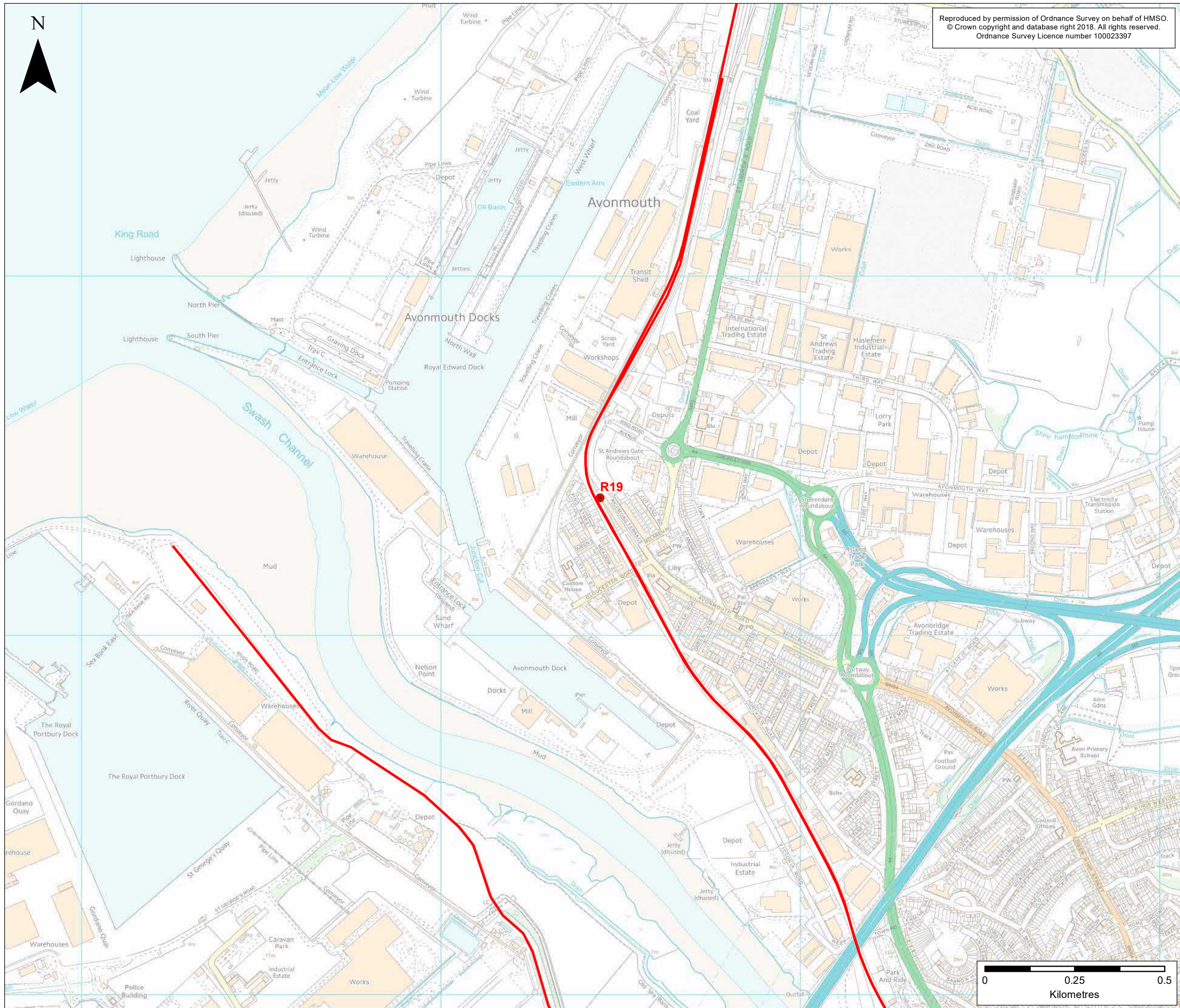
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 7.3: Locations of Receptors
Sheet 4 of 6 - Ashton Junction to Bedminster
APFP Regulation 5(2)(a)

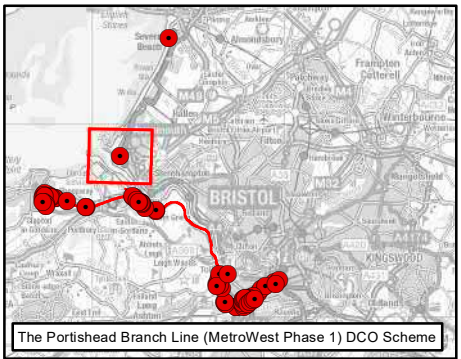
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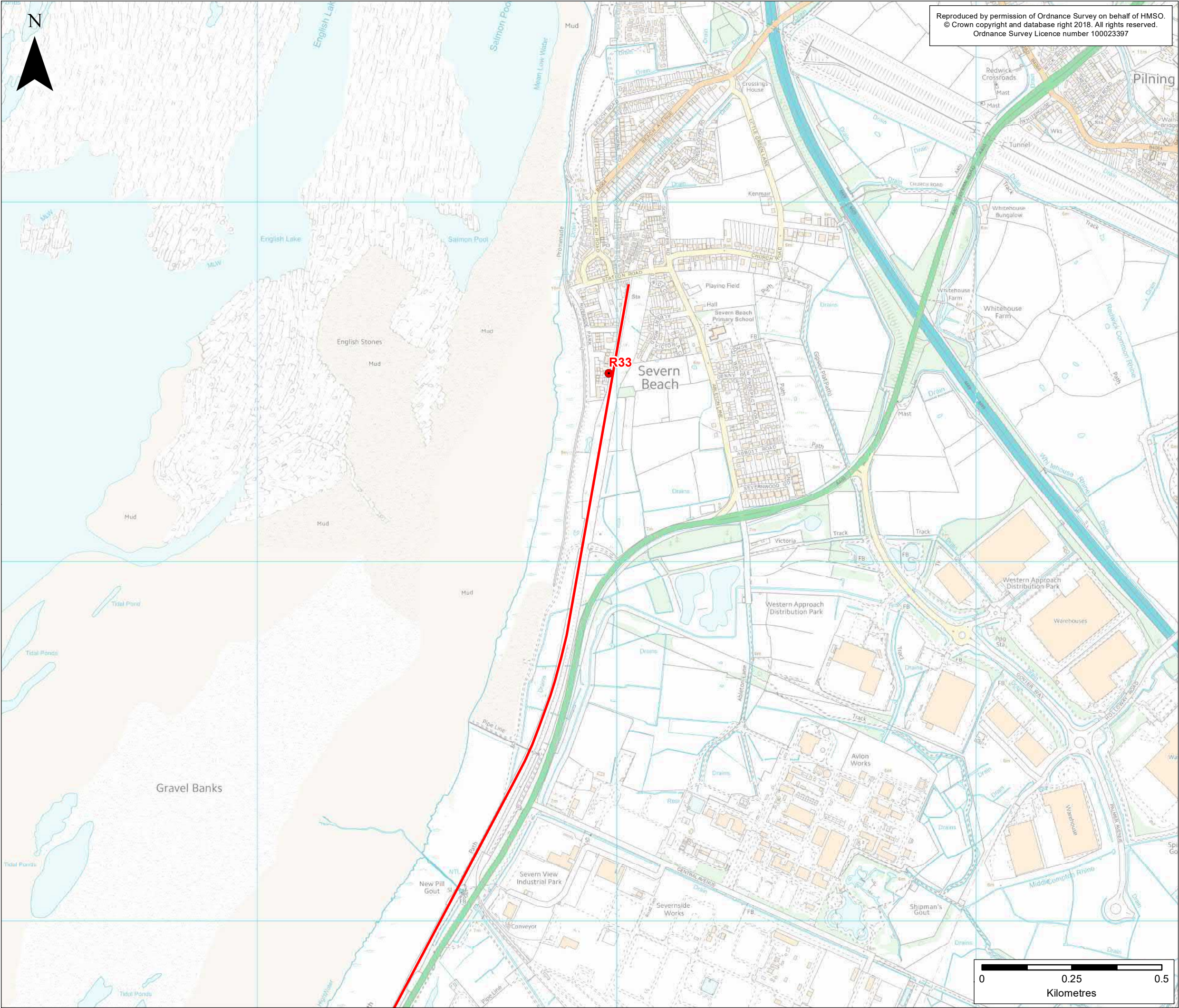
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 7.3: Locations of Receptors
Sheet 5 of 6 - Avonmouth
APFP Regulation 5(2)(a)

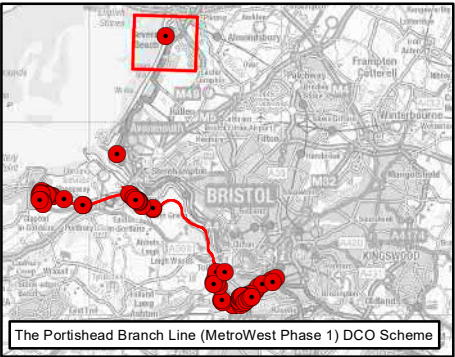
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Air Quality Modelling

- Study Area for Air Quality Modelling
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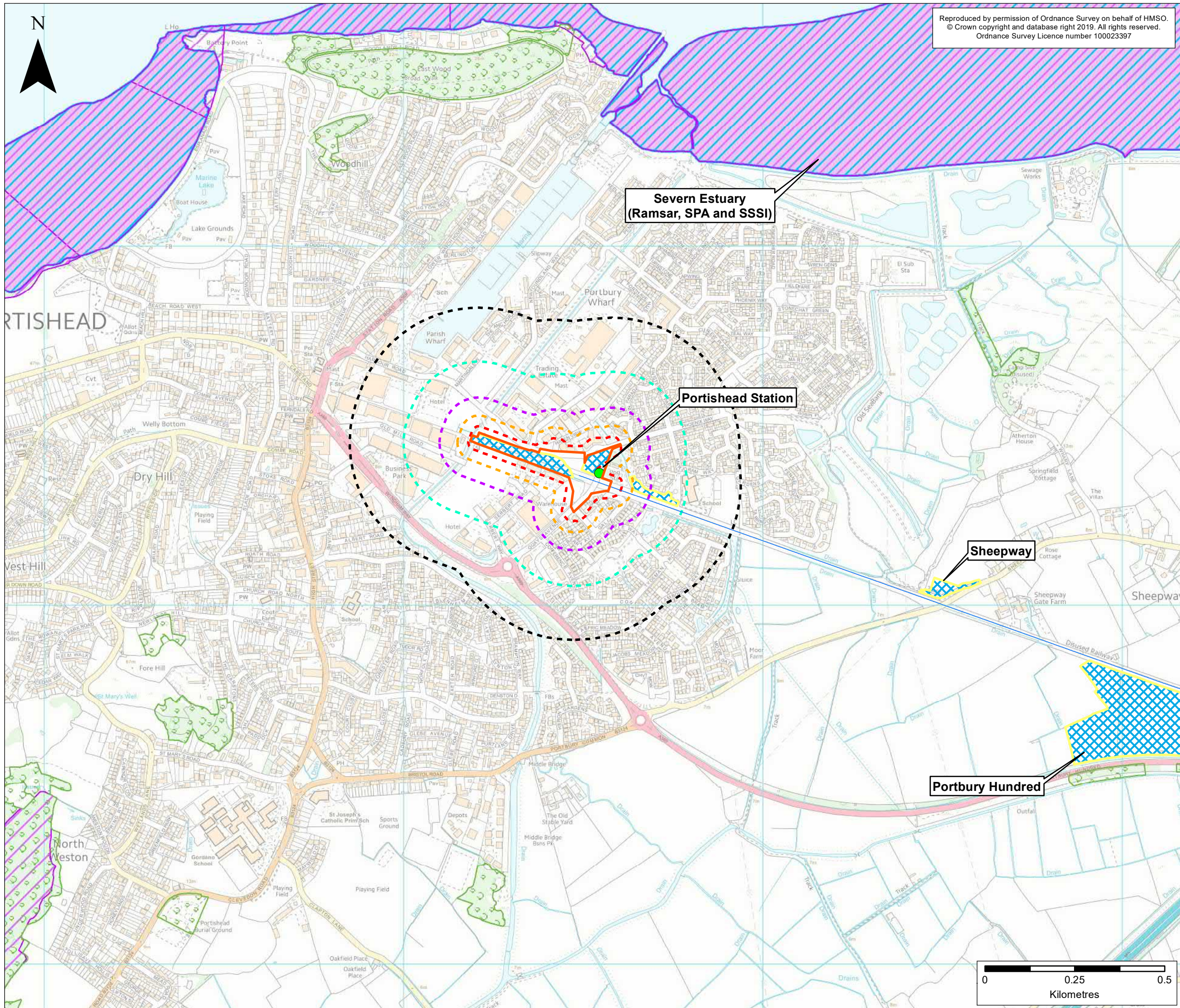
Project : Portishead Branch Line
(MetroWest Phase 1)

Drawing : Figure 7.3: Locations of Receptors
Sheet 6 of 6 - Severn Beach
APFP Regulation 5(2)(a)

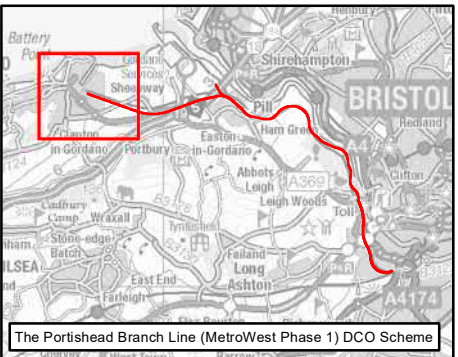
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KEY

Environmental Constraints

- National Forestry Inventory
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Ramsar

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works
- New Station
- Portishead Station and Car Parks

Construction

- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer
- Construction Compound

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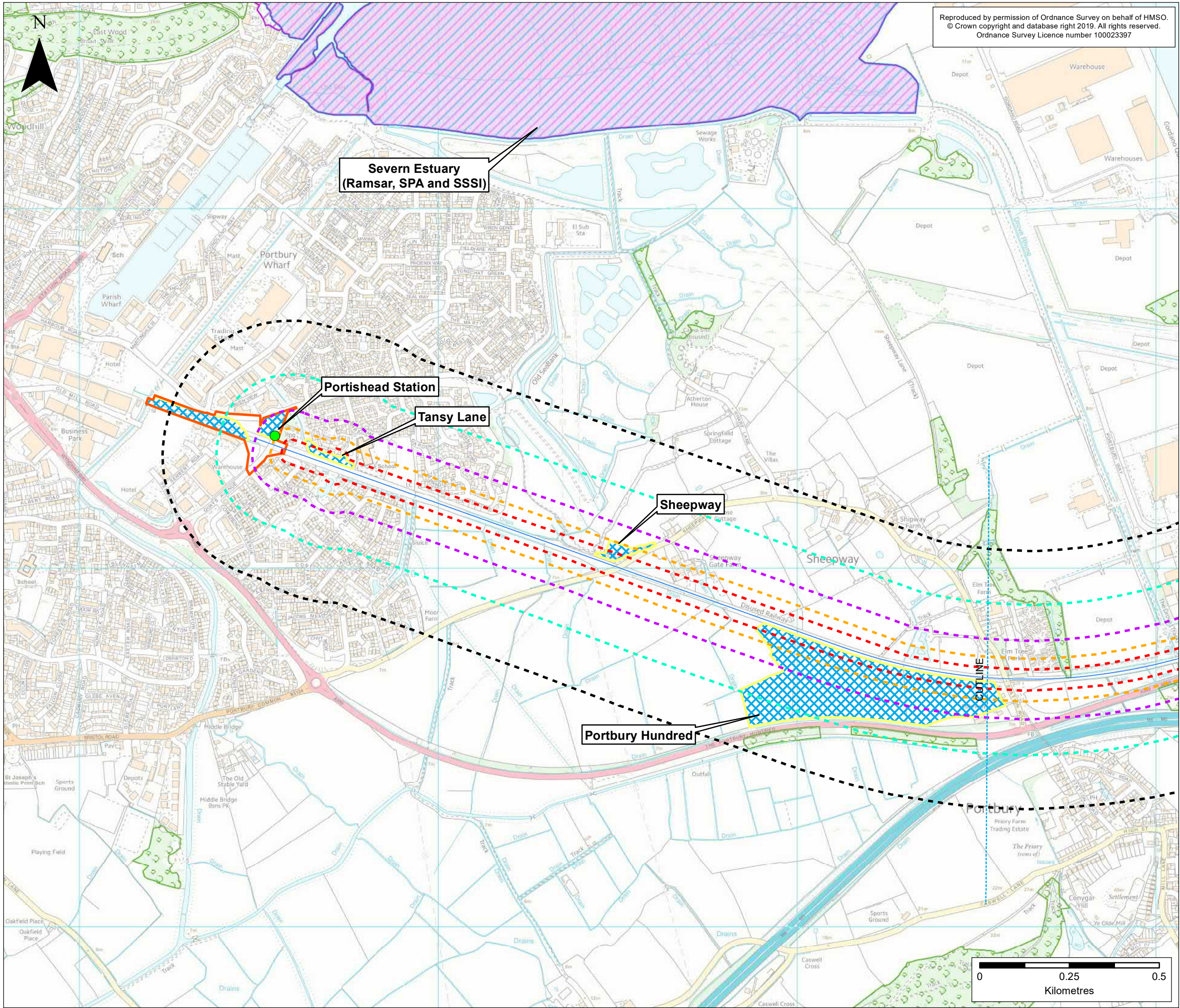
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 7.4: Construction Dust Study Area Section A
Sheet 1 of 7 - Portishead Station and Surrounds APFP Regulation 5(2)(a)

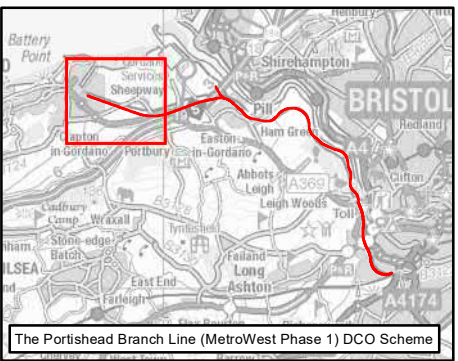
Drawn By : Martin Costello Date: 28/10/2019
Checked By : Colin Tully Date: 28/10/2019
Approved By : Luke Farrugia Date: 28/10/2019

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KEY

Environmental Constraints

- National Forest Inventory
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Ramsar

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works
- New Station
- Portishead Station and Car Parks

Construction

- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer
- Construction Compound

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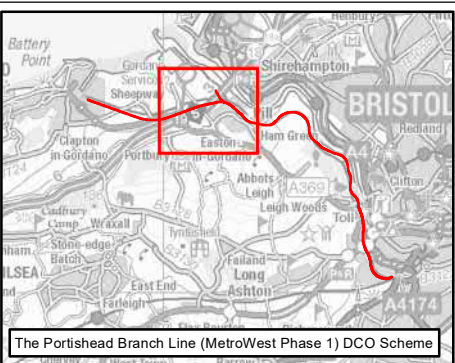
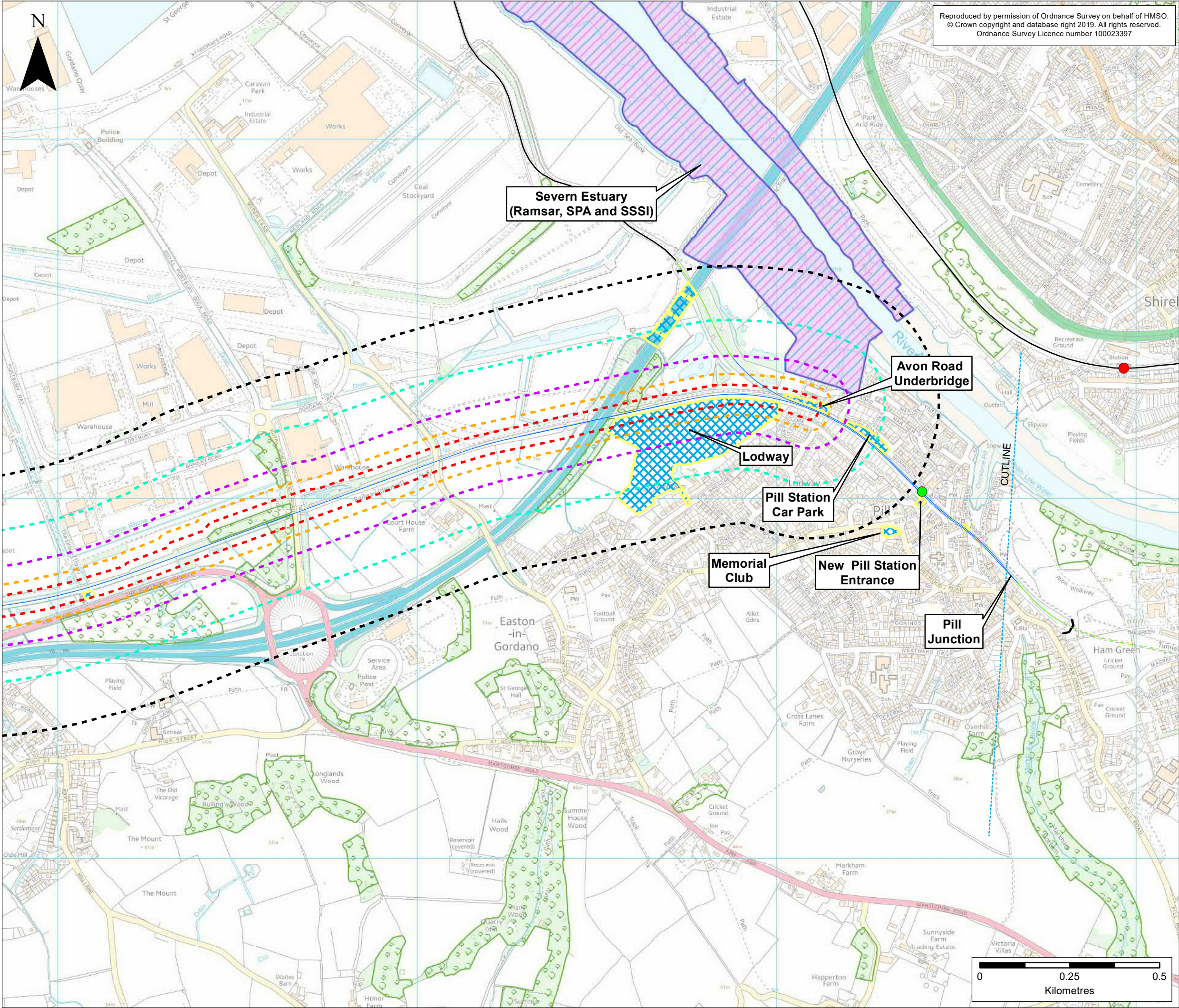
Project :
Portishead Branch Line
(MetroWest Phase 1)

Drawing :
Figure 7.4: Construction Dust Study Area
Section B
Sheet 2 of 7 - Portishead to Portbury
APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 28/10/2019
Checked By : Colin Tully Date: 28/10/2019
Approved By : Luke Farrugia Date: 28/10/2019

Drawing No. : 674946 -001-007-A Revision
ES-A

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KEY

Existing Railway

- Existing Railway Line
- Existing Railway Station

Environmental Constraints

- National Forest Inventory
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Ramsar

Portishead Branch Line

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

Construction

- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer
- Construction Compound

Rev	By	Chkd	Apprvd	Date	Description
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Project :

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(MetroWest Phase 1)

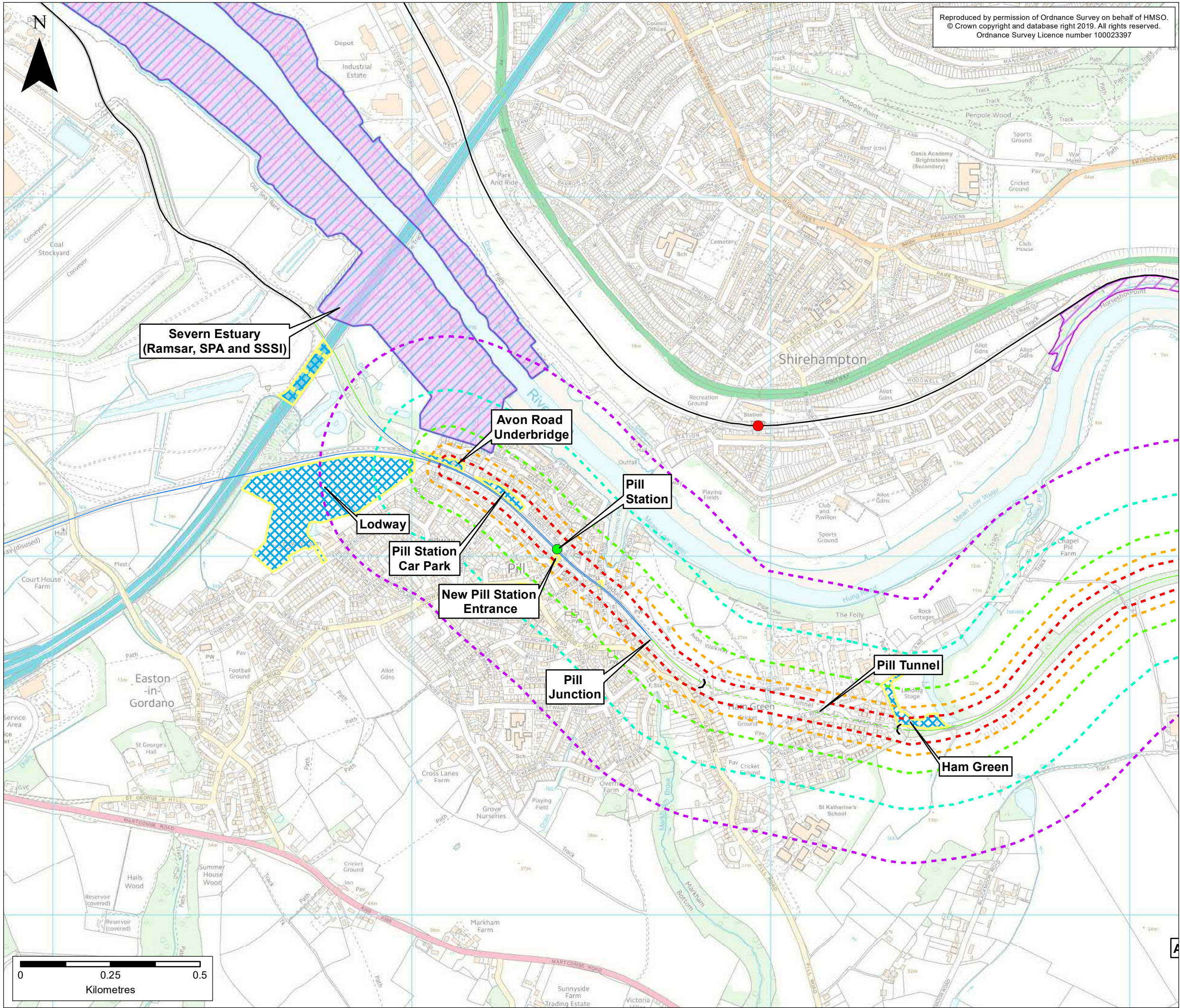
Drawing :

Figure 7.4: Construction Dust Study Area
Section B
Sheet 3 of 7 - Portbury to Pill
APFP Regulation 5(2)(a)

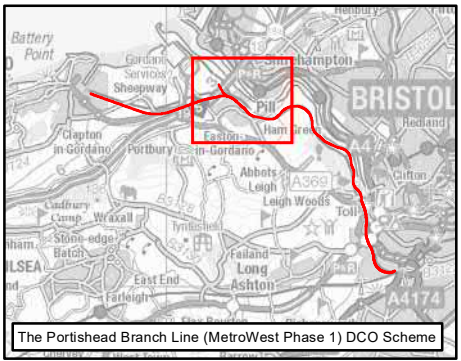
Drawn By : Martin Costello **Date:** 28/10/2019
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KEY

Existing Railway

- Existing Railway Line
- Existing Railway Station

Environmental Constraints

- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Ramsar

Portishead Branch Line

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

Construction

- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer
- Construction Compound

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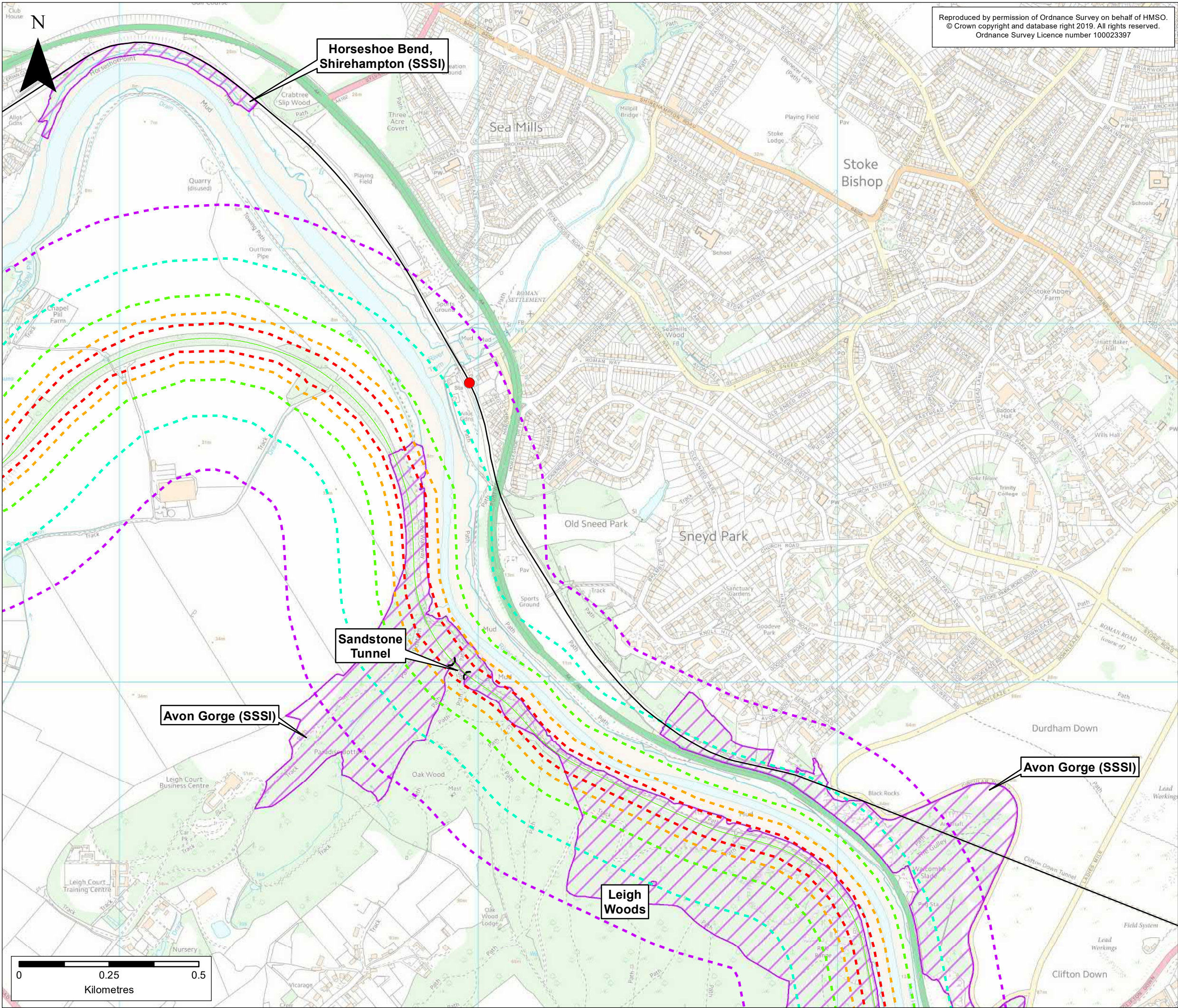
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 7.4: Construction Dust Study Area Section C
Sheet 4 of 7 - Pill
APFP Regulation 5(2)(a)

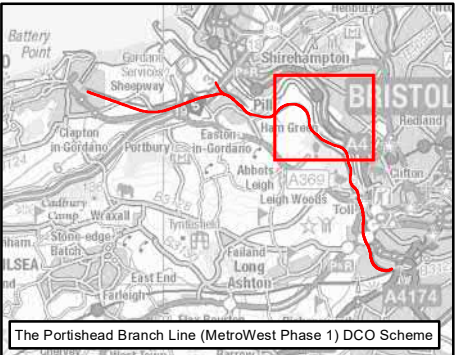
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KEY

Existing Railway

- Existing Railway Line
- Existing Railway Station

Environmental Constraints

- Site of Special Scientific Interest (SSSI)

Portishead Branch Line

- The Associated Development Works

Construction

- 20m Buffer
- 50m Buffer
- 100m Buffer
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(MetroWest Phase 1)**

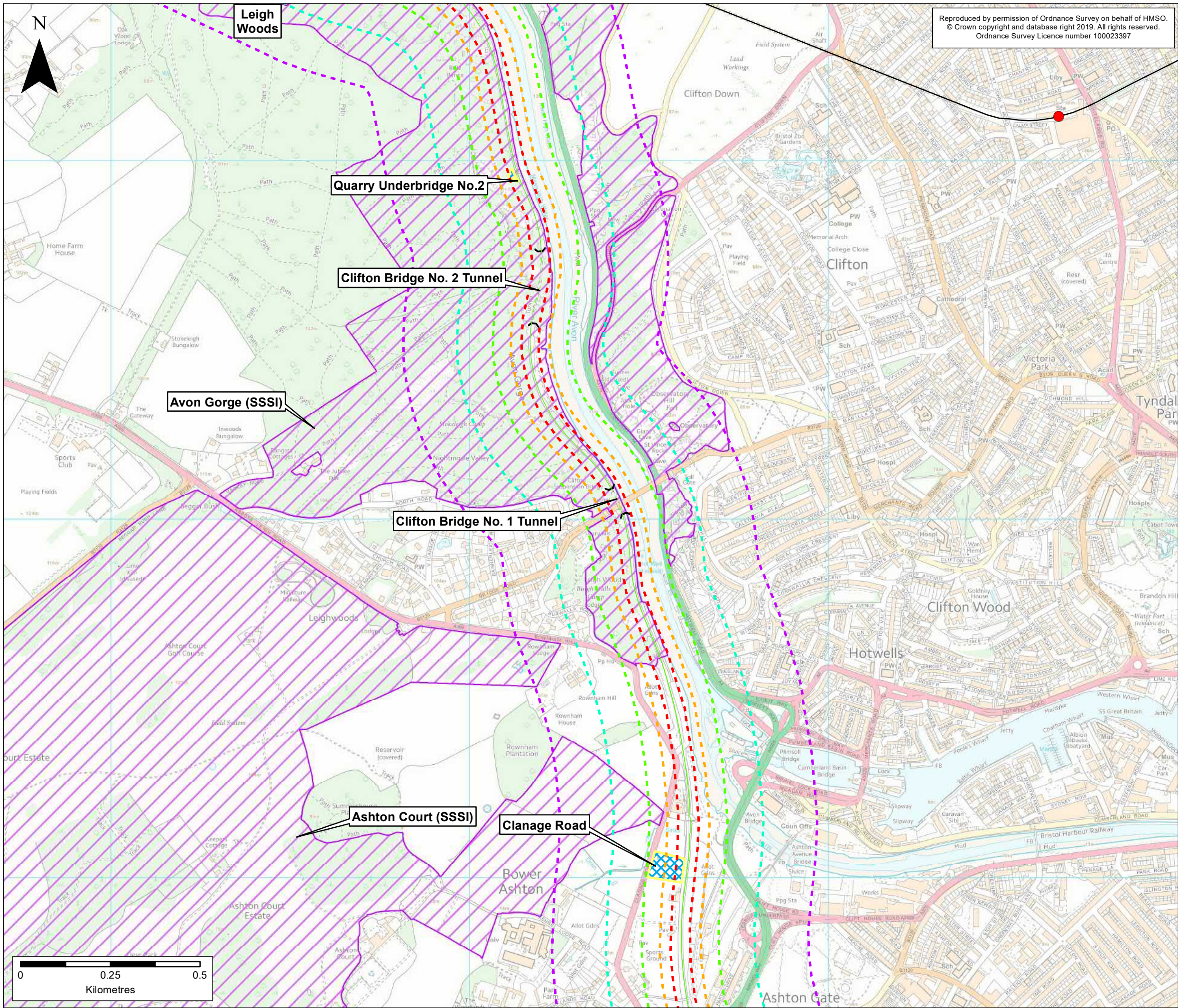
Drawing :
**Figure 7.4: Construction Dust Study Area
Section C
Sheet 5 of 7 - Ham Green to Leigh Woods
APFP Regulation 5(2)(a)**

Drawn By : Martin Costello Date: 28/10/2019
Checked By : Colin Tully Date: 28/10/2019
Approved By : Luke Farrugia Date: 28/10/2019

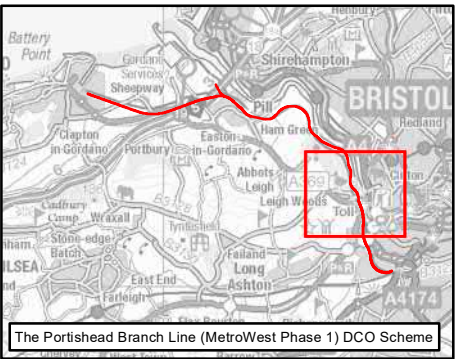
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KEY

Existing Railway

- Existing Railway Line
- Existing Railway Station

Environmental Constraints

- Site of Special Scientific Interest (SSSI)

Portishead Branch Line

- The Associated Development Works
- Section in Tunnel

Construction

- 20m Buffer
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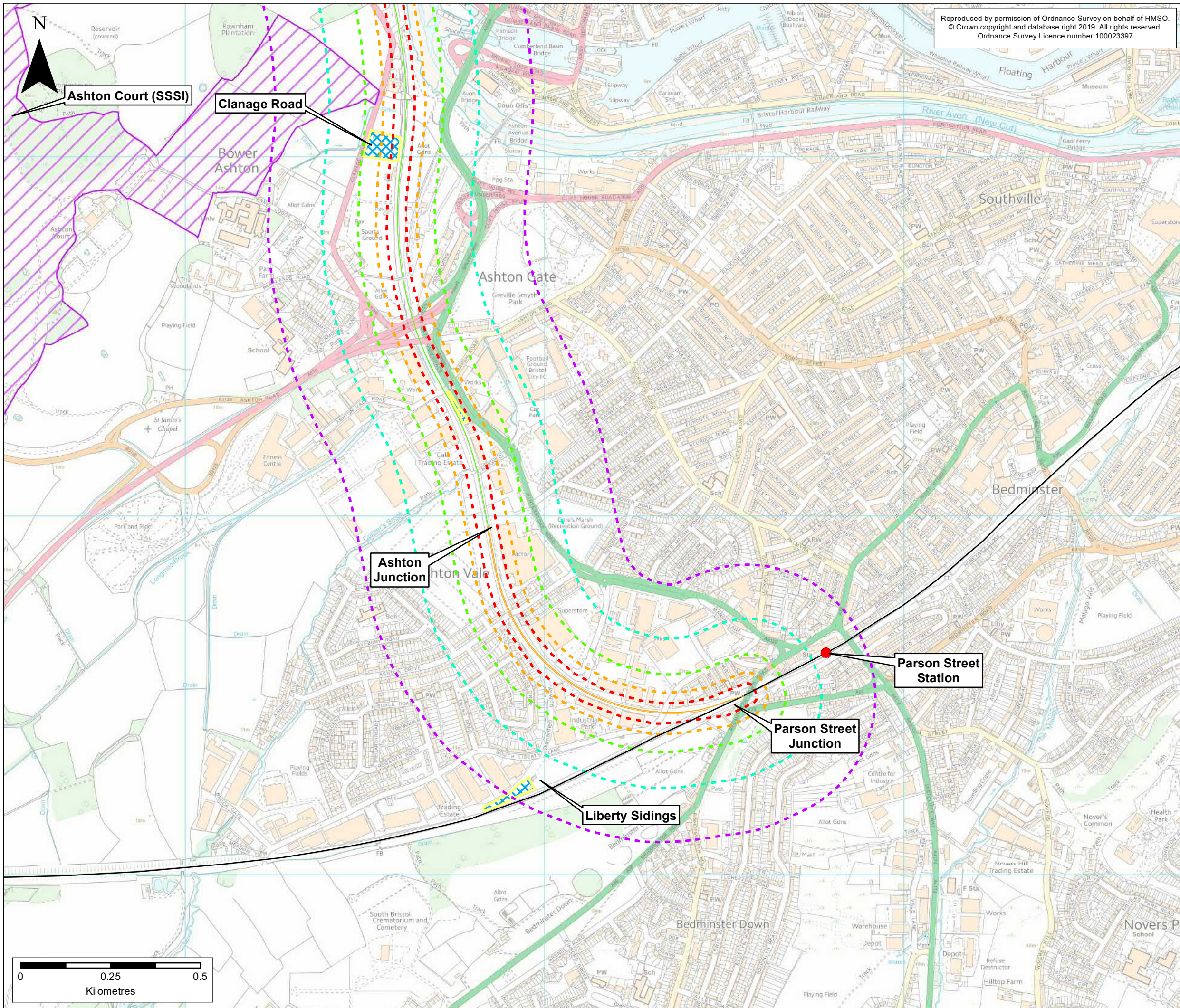
Drawing :

Figure 7.4: Construction Dust Study Area
Section C
Sheet 6 of 7 - Leigh Woods to Rownham Hill
APFP Regulation 5(2)(a)

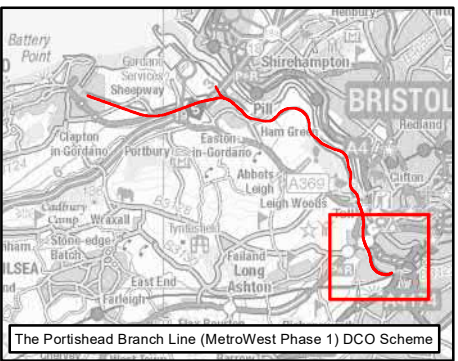
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Checked By : Colin Tully Date: 28/10/2019
Approved By : Luke Farrugia Date: 28/10/2019

Drawing No. : 674946 -001-008-A Revision
ES-A

Drawing Scale : 1:10,000 @ A3



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KEY

- Existing Railway**
 - Existing Railway Line
 - Existing Railway Station
- Environmental Constraints**
 - Site of Special Scientific Interest (SSSI)
- Portishead Branch Line**
 - The Associated Development
- Other Works**
 - Network Rail Permitted Development Rights
- Construction**
 - 20m Buffer
 - 50m Buffer
 - 100m Buffer
 - 200m Buffer
 - 350m Buffer
 - Construction Compound

ES-A	MPG	CT	CF	28/10/2019	First draft
Rev	By	Chkd	Apprvd	Date	Description

Client

travelwest

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Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 7.4: Construction Dust Study Area Section C
Sheet 7 of 7 - Rownham Hill to Parson Street
APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 28/10/2019
Checked By : Colin Tully Date: 28/10/2019
Approved By : Luke Farrugia Date: 28/10/2019

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