

# M60/M62/M66 Simister Island Interchange

TR010064

## ENVIRONMENTAL STATEMENT FIGURES CHAPTER 5 AIR QUALITY (FIGURES 5.1- 5.3)

APFP 5(2(a))

Planning Act 2008

Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning  
(Applications: Prescribed Forms and  
Procedure) Regulations 2009**

**M60/M62/M66 Simister Island Interchange**  
Development Consent Order 202[ ]

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**ENVIRONMENTAL STATEMENT FIGURES  
CHAPTER 5 AIR QUALITY (FIGURES 5.1-5.3)**

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<b>Regulation Reference</b>	5(2(a))
<b>Planning Inspectorate Scheme Reference</b>	TR010064
<b>Application Document Reference</b>	TR010064/APP/6.2
<b>Author</b>	M60/M62/M66 Simister Island Interchange Costain Jacobs Partnership Project Team & National Highways

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
P01	April 2024	DCO APPLICATION ISSUE



**CONTENTS**

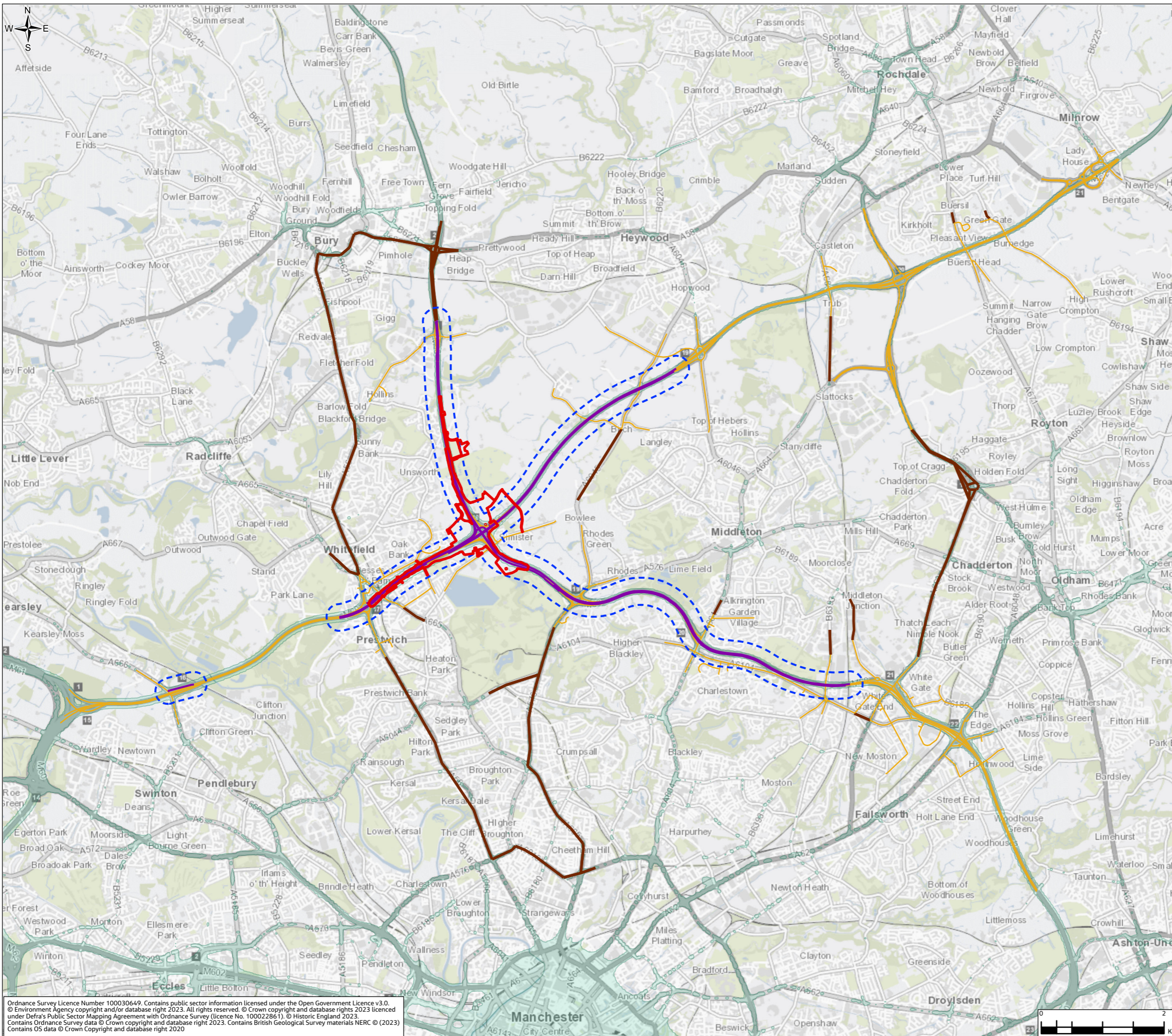
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## **Environmental Statement Figures Chapter 5 Air Quality (Figures 5.1-5.3)**

- 1.1.1 This document contains the following figures:
- Figure 5.1 Air Quality Construction Study Area
  - Figure 5.2 Air Quality Operational Study Area
  - Figure 5.3 Air Quality Baseline Conditions



**FIGURE 5.1**



- Legend**
- Order Limits
  - Air Quality Construction 2026 Study Area (200m)
  - Construction 2026 Affected Road Network (ARN)
  - Other Modelled Road Links (Construction)
  - Traffic Reliability Area
  - Greater Manchester Combined Authority Air Quality Management Area



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Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	App'r'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			
<b>REGIONAL DELIVERY PARTNERSHIP M60/M62/M66 SIMISTER ISLAND INTERCHANGE</b>						
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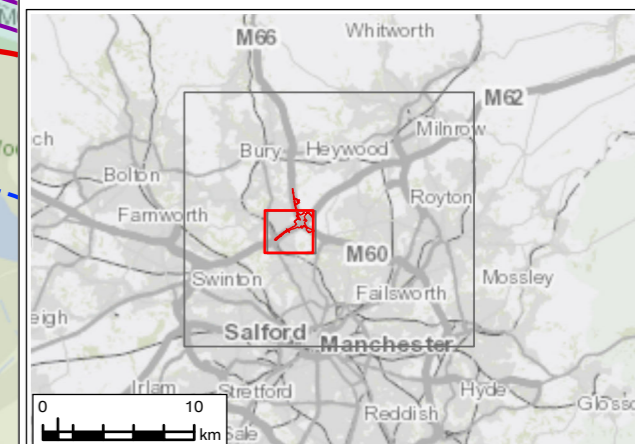
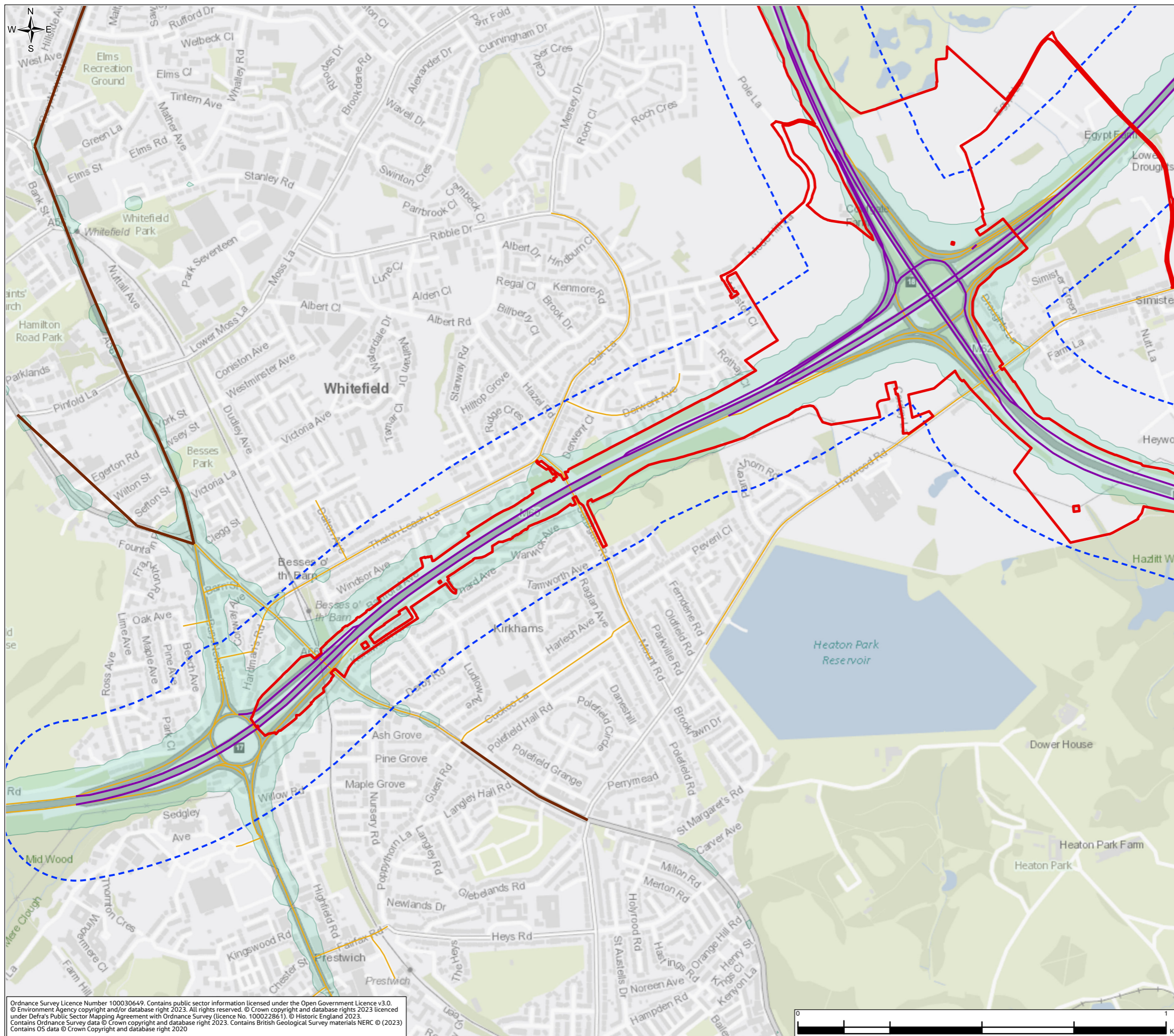
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**FIGURE 5.1**

**Legend**

- Order Limits
- Air Quality Construction 2026 Study Area (200m)
- Construction 2026 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)
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- Greater Manchester Combined Authority Air Quality Management Area



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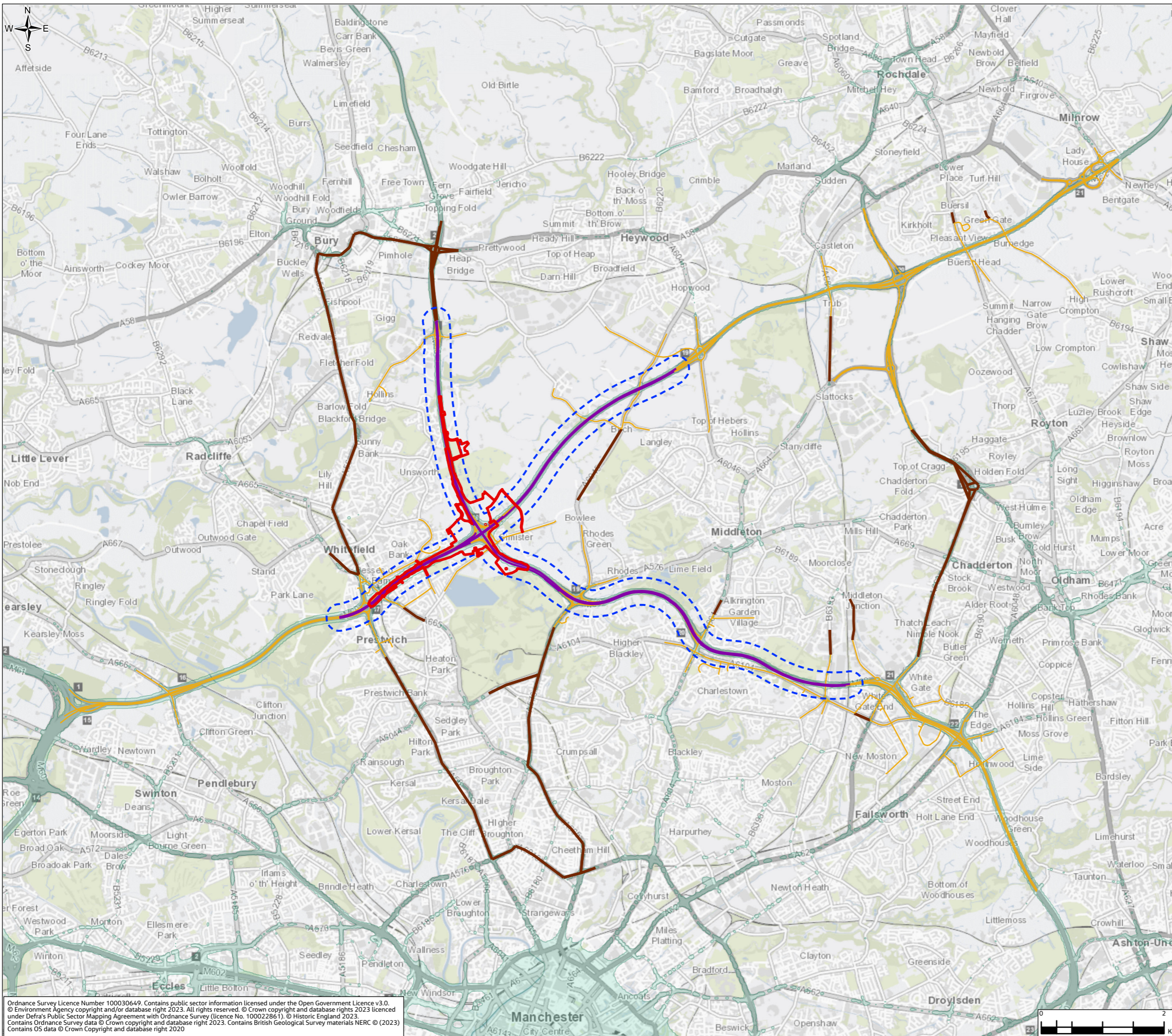
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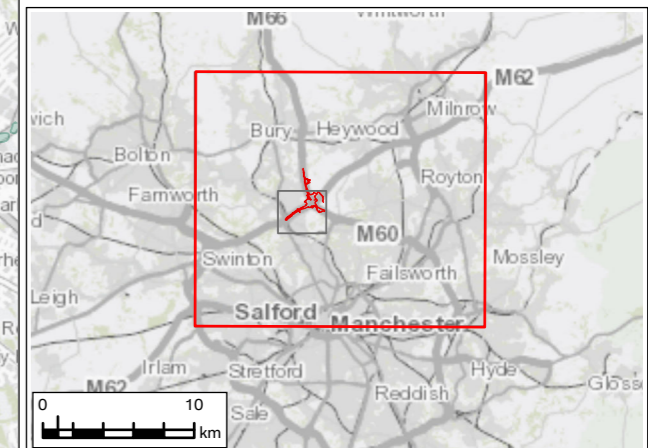
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**FIGURE 5.1**



- Legend**
- Order Limits
  - Air Quality Construction 2027 Study Area (200m)
  - Construction 2027 Affected Road Network (ARN)
  - Other Modelled Road Links (Construction)
  - Traffic Reliability Area
  - Greater Manchester Combined Authority Air Quality Management Area



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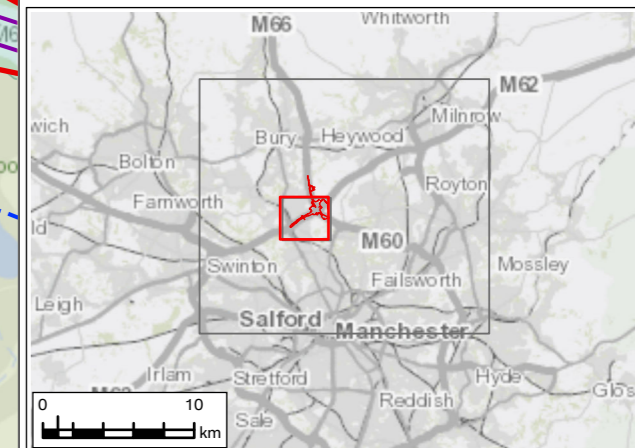
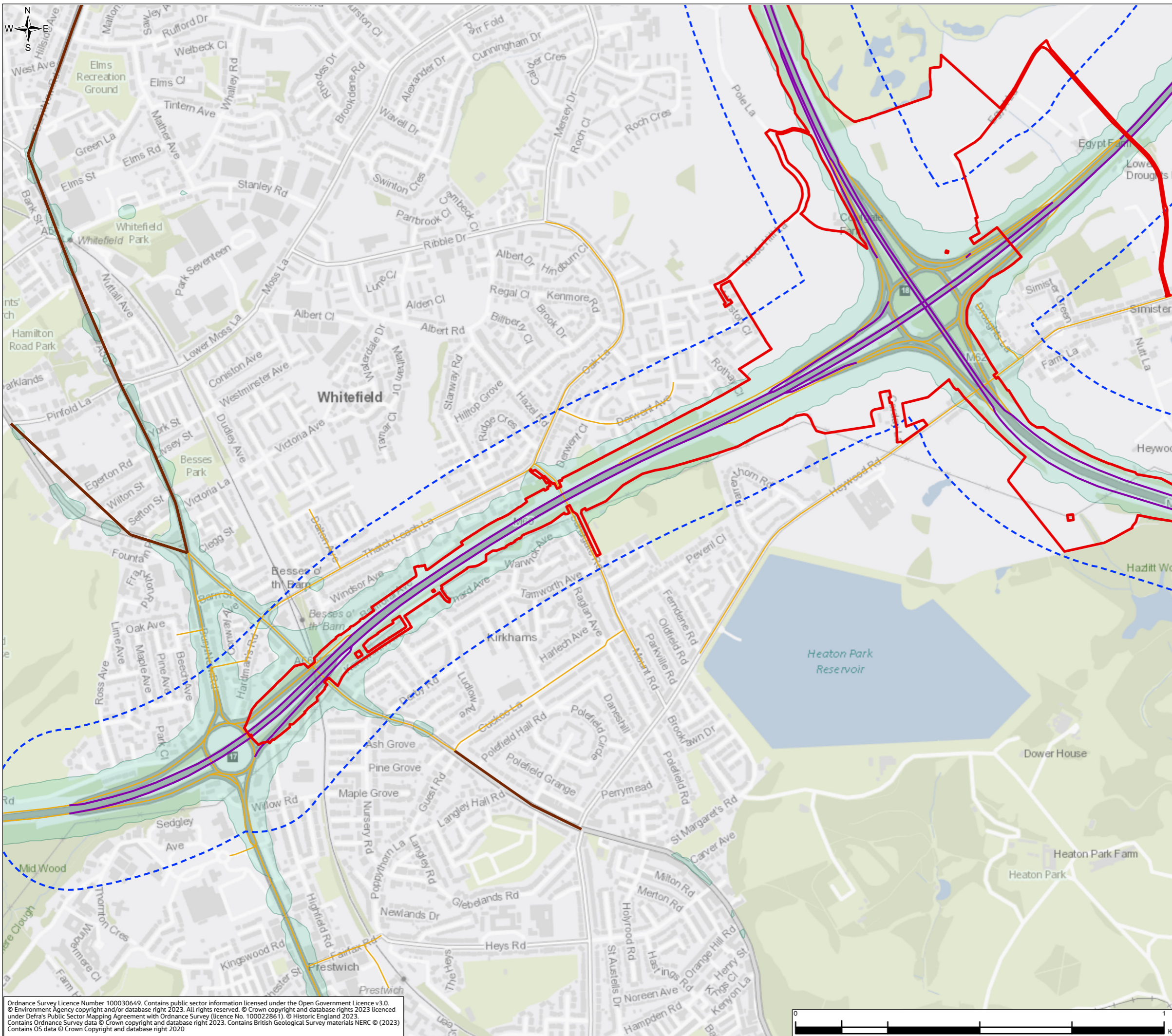
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**FIGURE 5.1**

**Legend**

- Order Limits
- Air Quality Construction 2027 Study Area (200m)
- Construction 2027 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)
- Traffic Reliability Area
- Greater Manchester Combined Authority Air Quality Management Area



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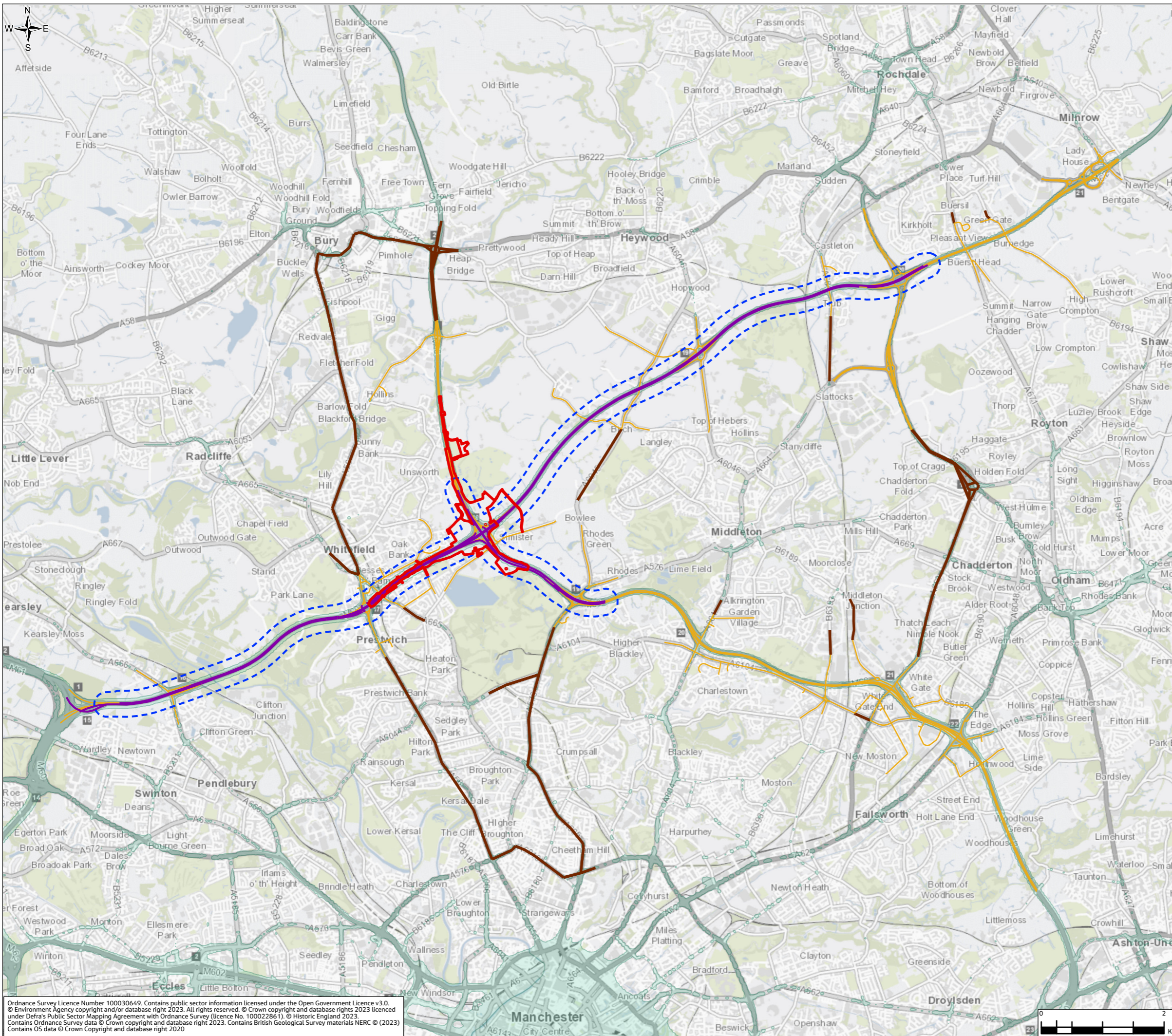
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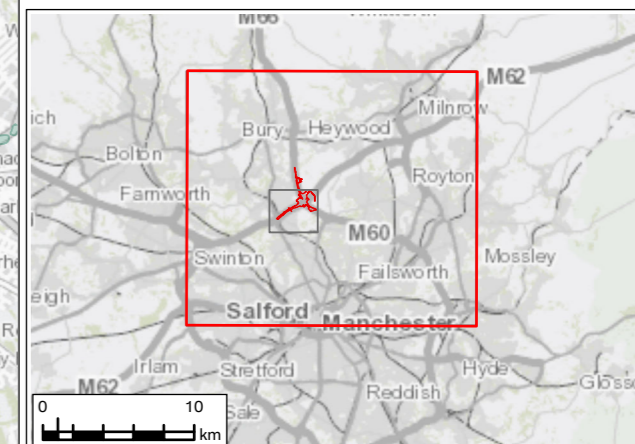
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**FIGURE 5.1**



- Legend**
- Order Limits
  - Air Quality Construction 2028 Study Area (200m)
  - Construction 2028 Affected Road Network (ARN)
  - Other Modelled Road Links (Construction)
  - Traffic Reliability Area
  - Greater Manchester Combined Authority Air Quality Management Area



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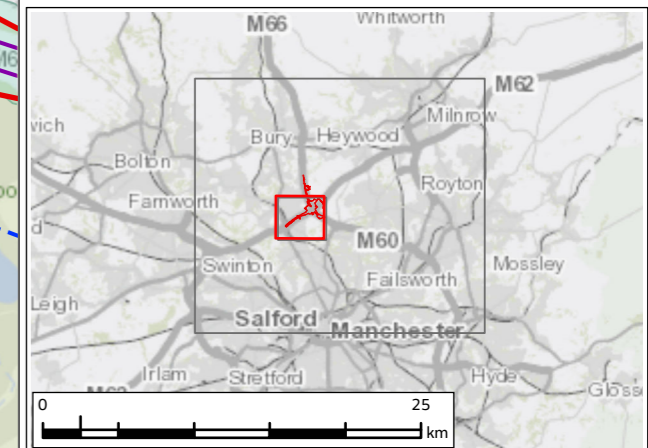
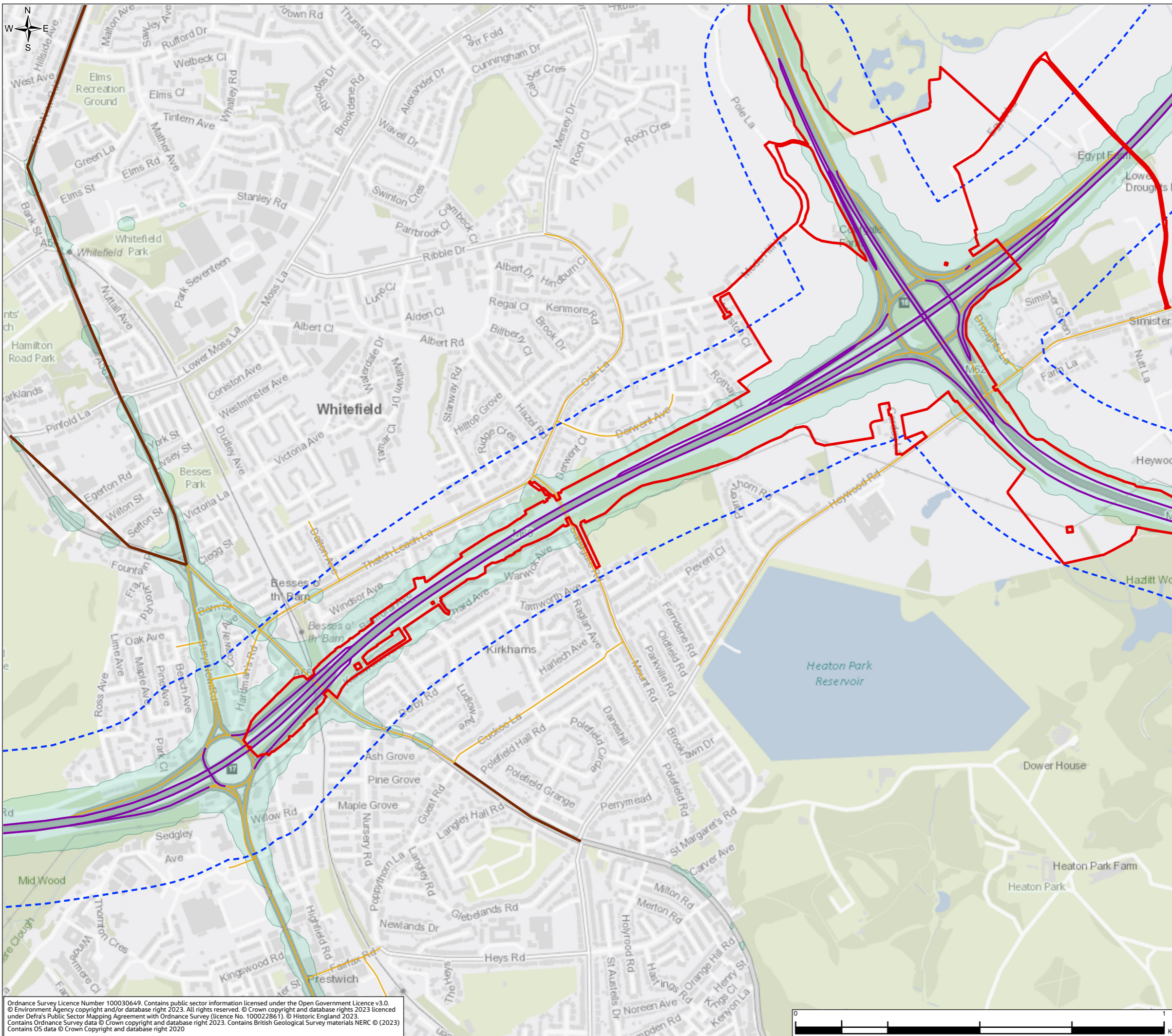
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**FIGURE 5.1**

**Legend**

- Order Limits
- Air Quality Construction 2028 Study Area (200m)
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)
- Traffic Reliability Area
- Greater Manchester Combined Authority Air Quality Management Area



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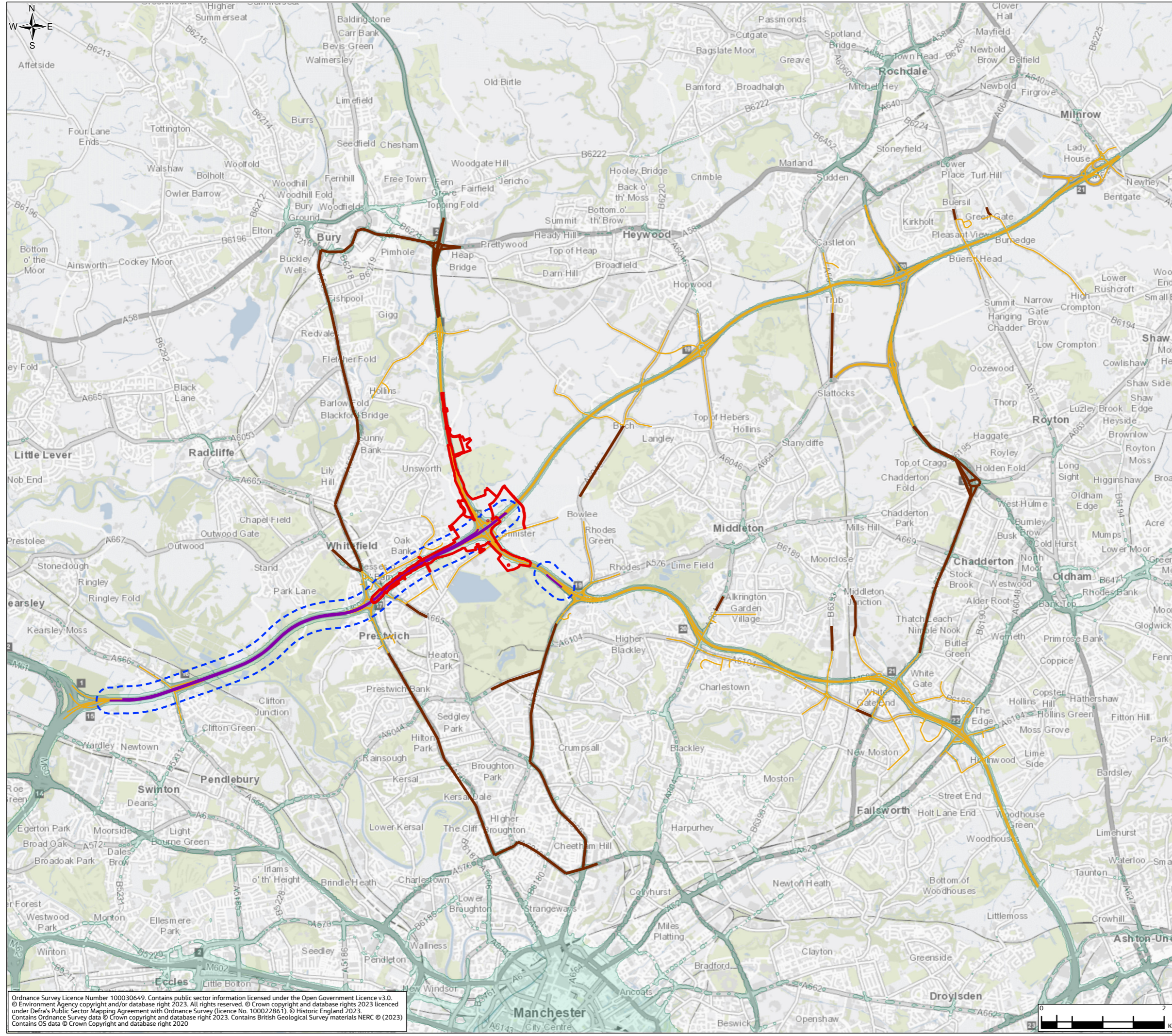
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**FIGURE 5.1**



- Legend**
- Order Limits
  - Air Quality Construction 2029 Study Area (200m)
  - Construction 2029 Affected Road Network (ARN)
  - Other Modelled Road Links (Construction)
  - Traffic Reliability Area
  - Greater Manchester Combined Authority Air Quality Management Area



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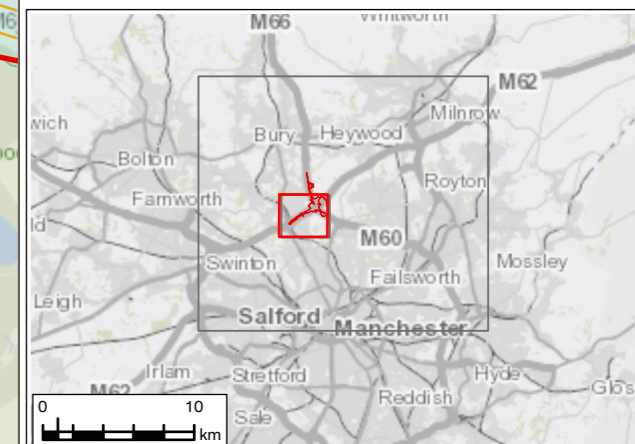
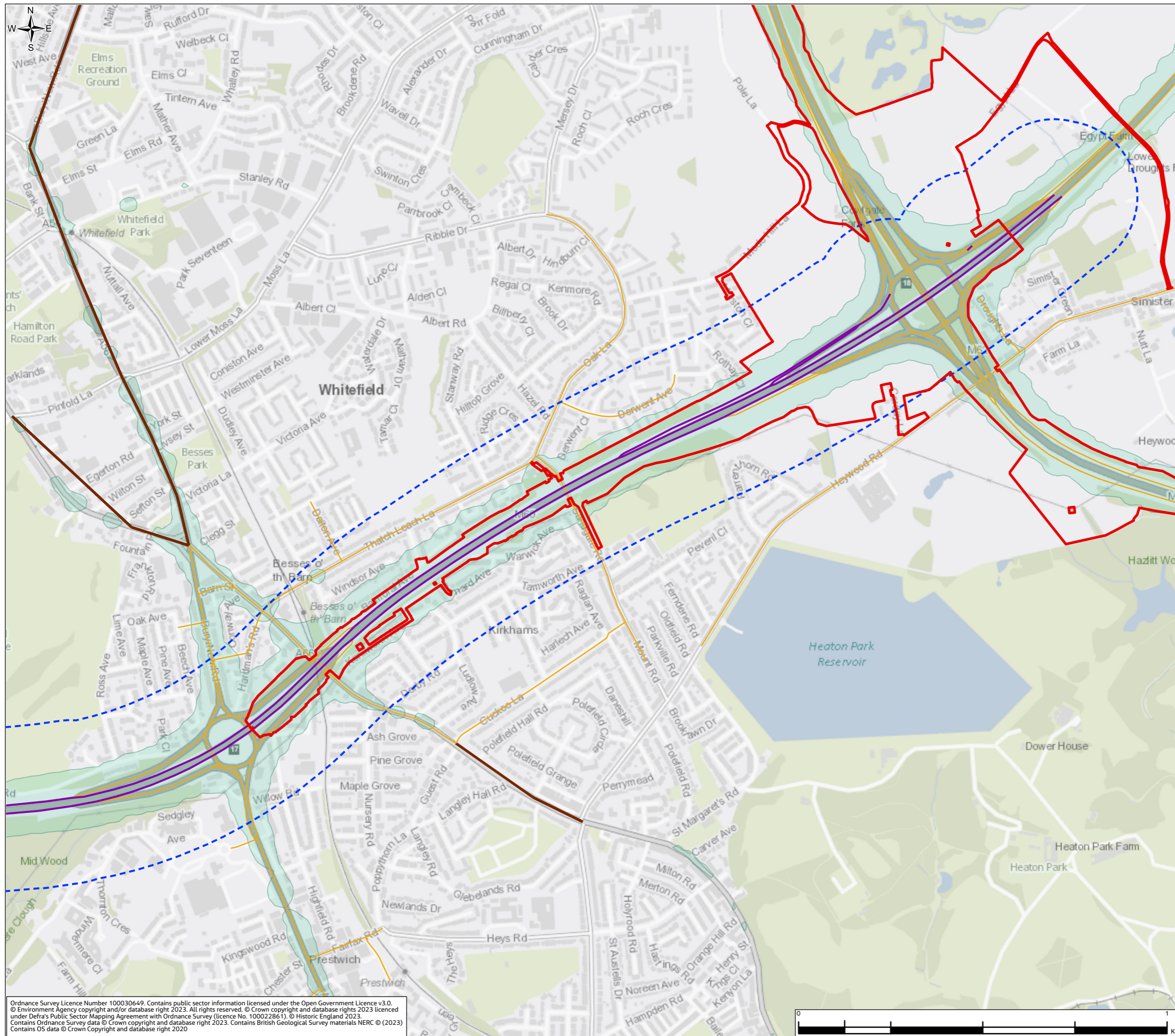
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**FIGURE 5.1**

**Legend**

- Order Limits
- Air Quality Construction 2029 Study Area (200m)
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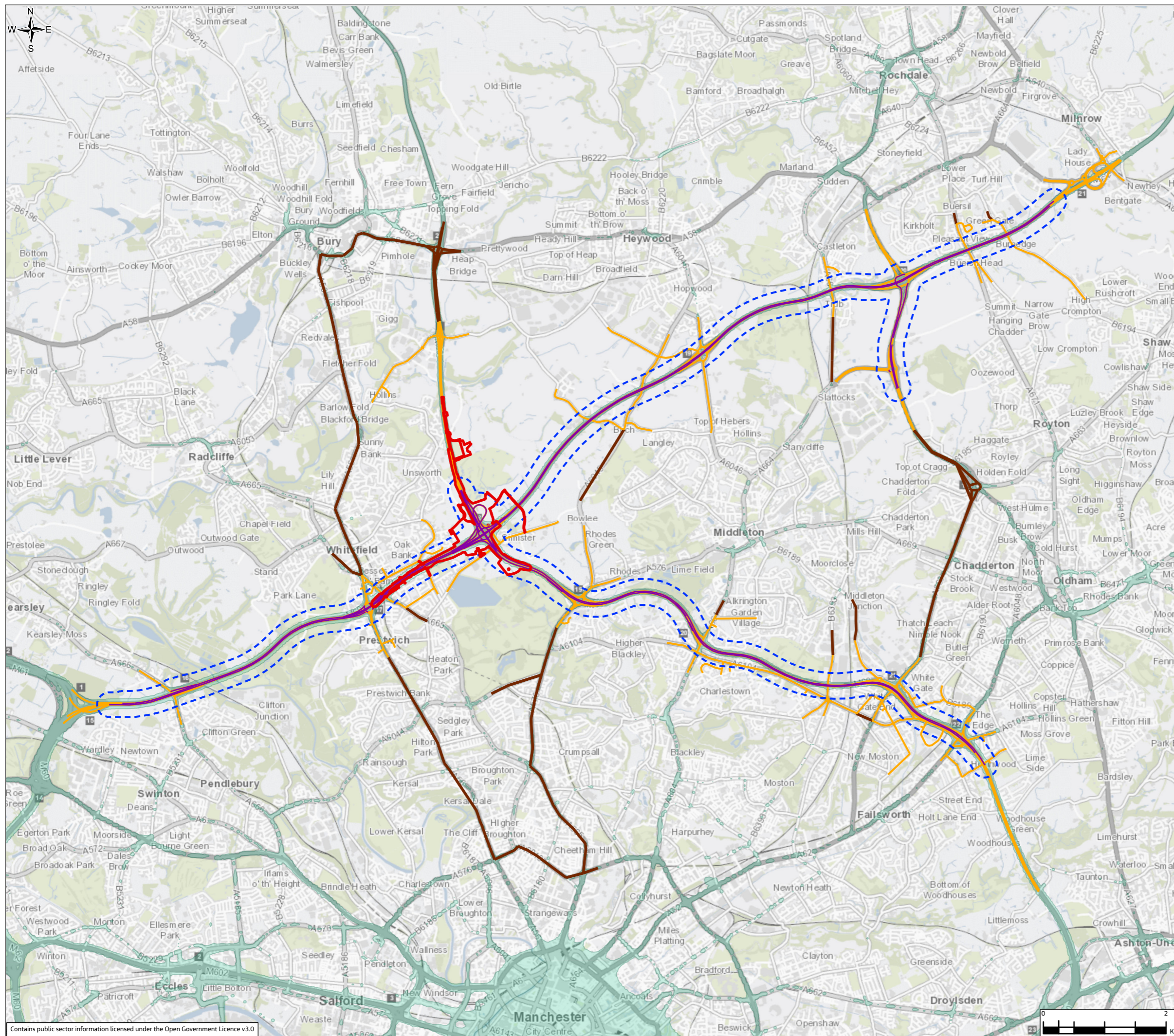
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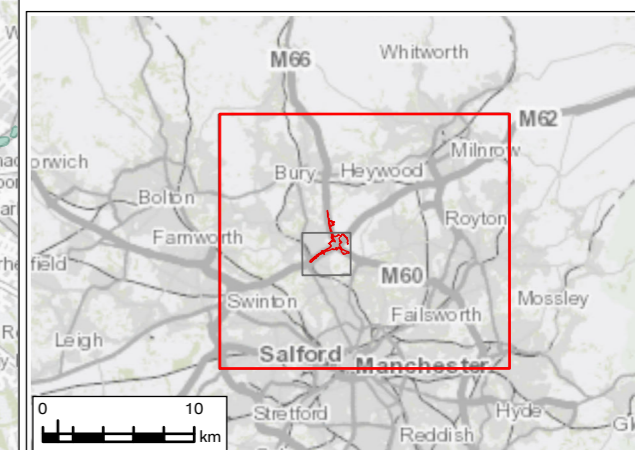


**FIGURE 5.2**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Operational Affected Road Network (ARN)
- Other Modelled Road Links
- Traffic Reliability Area
- Greater Manchester Combined Authority Air Quality Management Area



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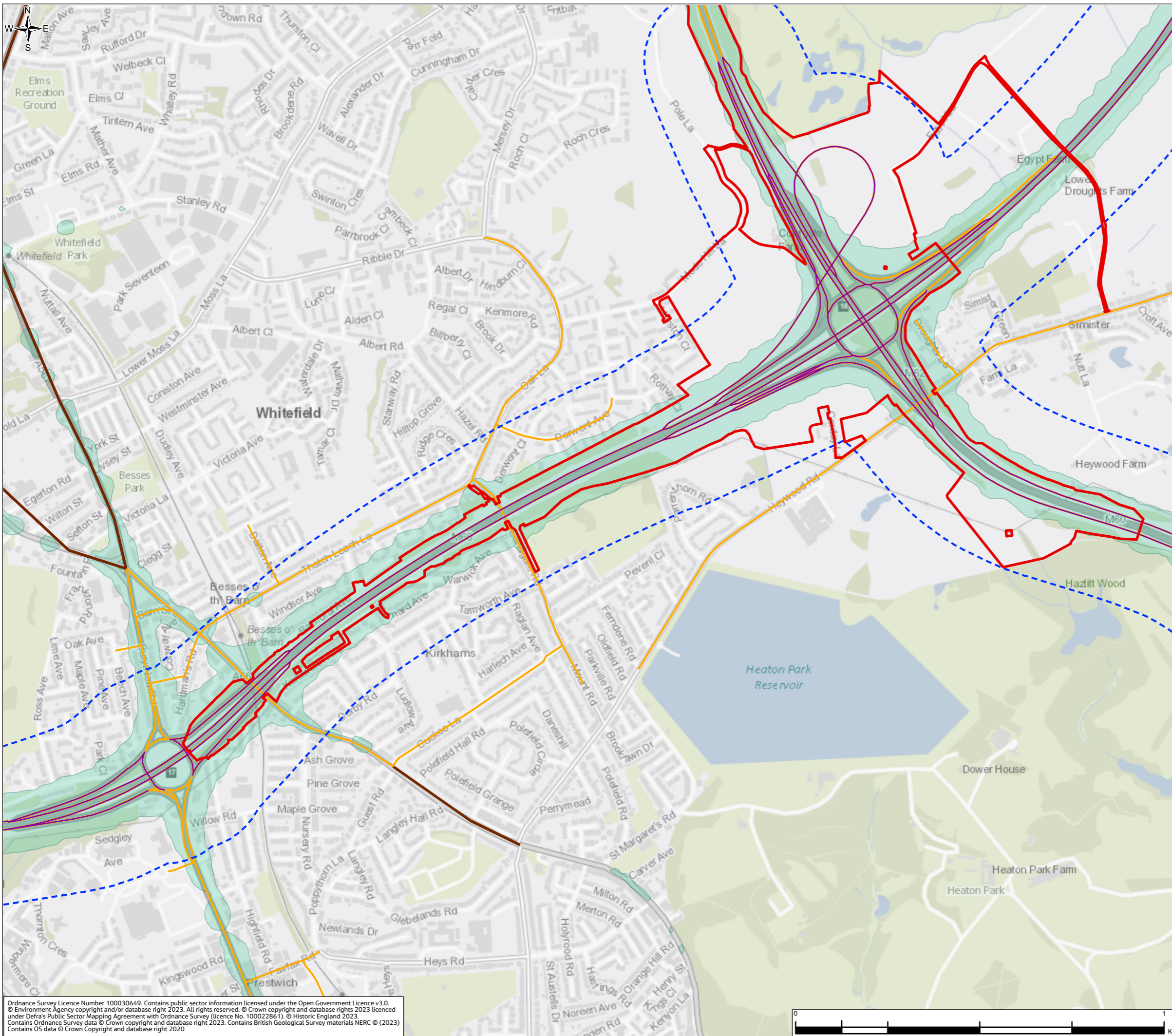
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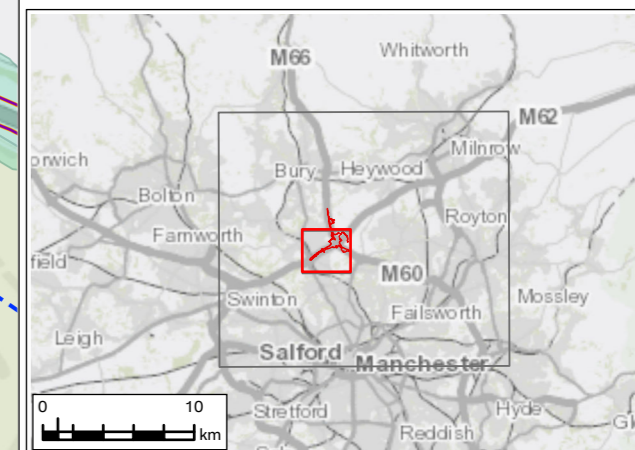


**FIGURE 5.2**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Operational Affected Road Network (ARN)
- Other Modelled Road Links
- Traffic Reliability Area
- Greater Manchester Combined Authority Air Quality Management Area



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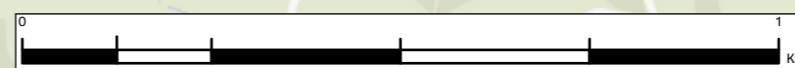


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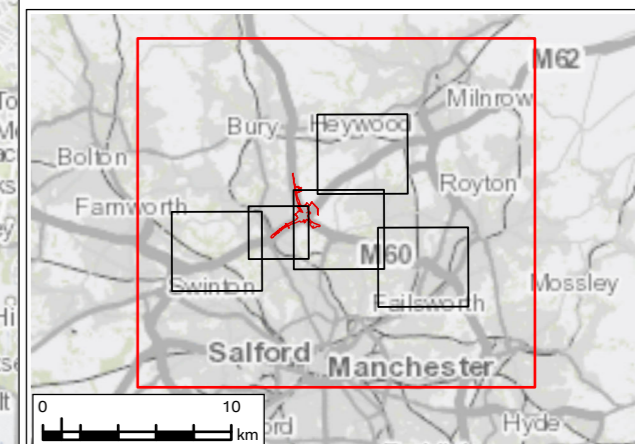
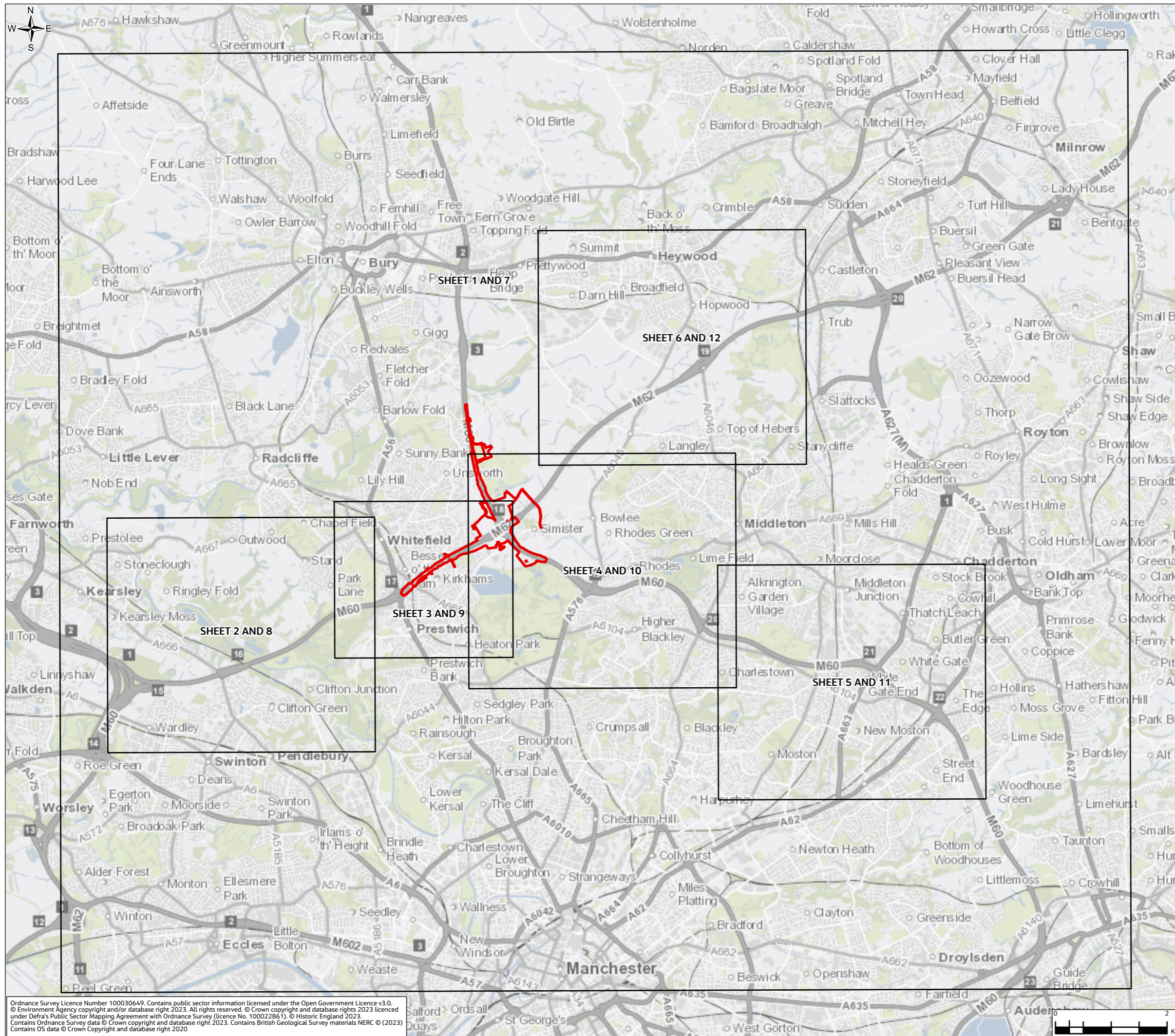
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**FIGURE 5.3**

**Legend**

 Order Limits



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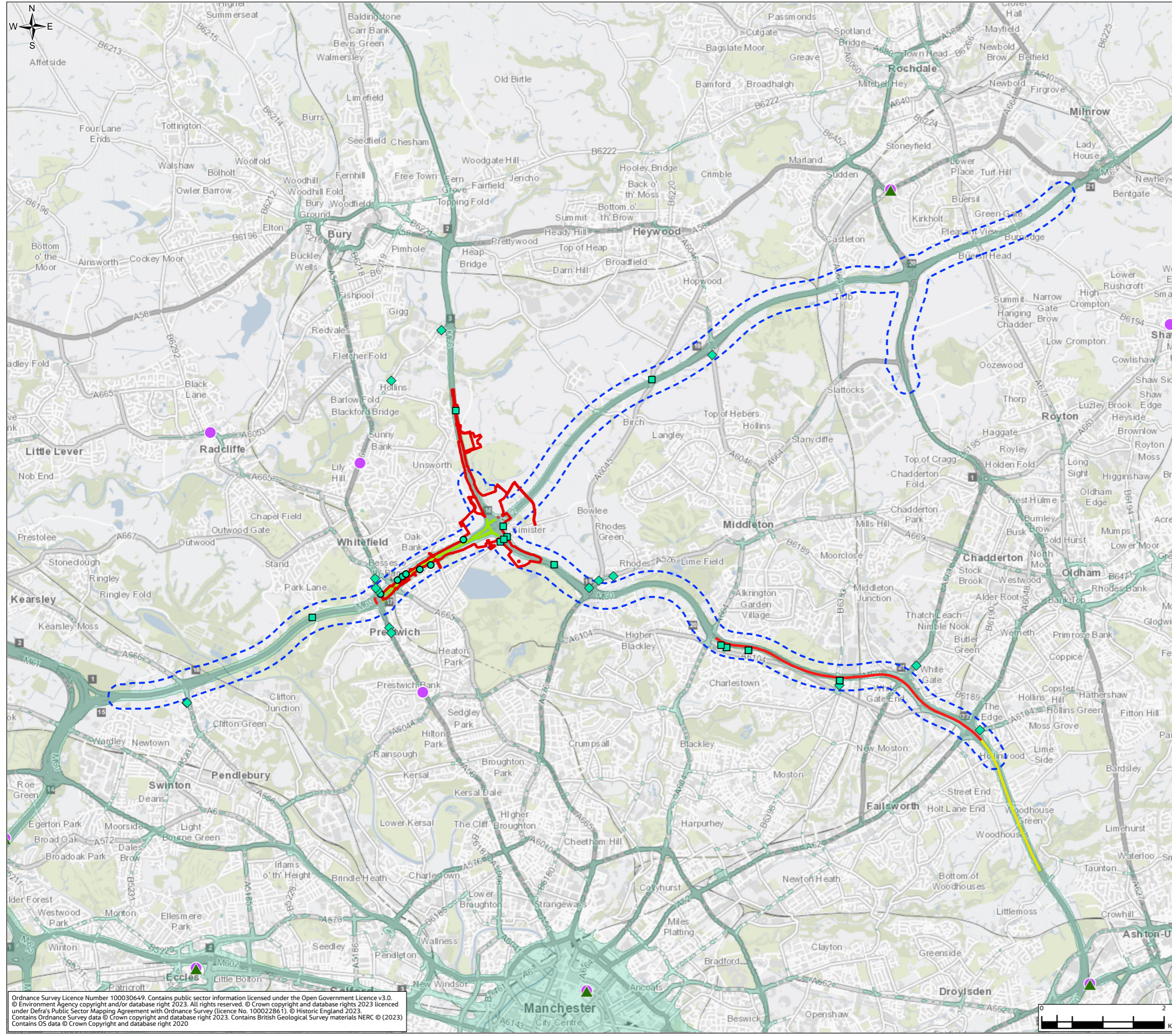
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**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>

**Air Quality Verification Monitoring Locations NO<sub>2</sub> Zone**

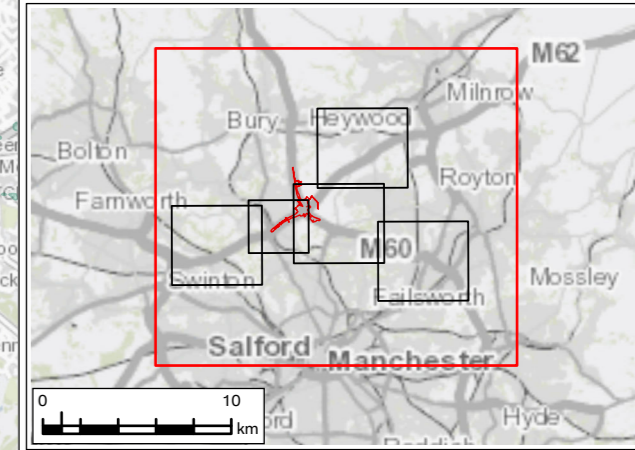
**Zone**

- 1
- 2
- ◆ 3

**PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**

- <36
- 36 - 40
- >40

Greater Manchester Combined Authority Air Quality Management Area



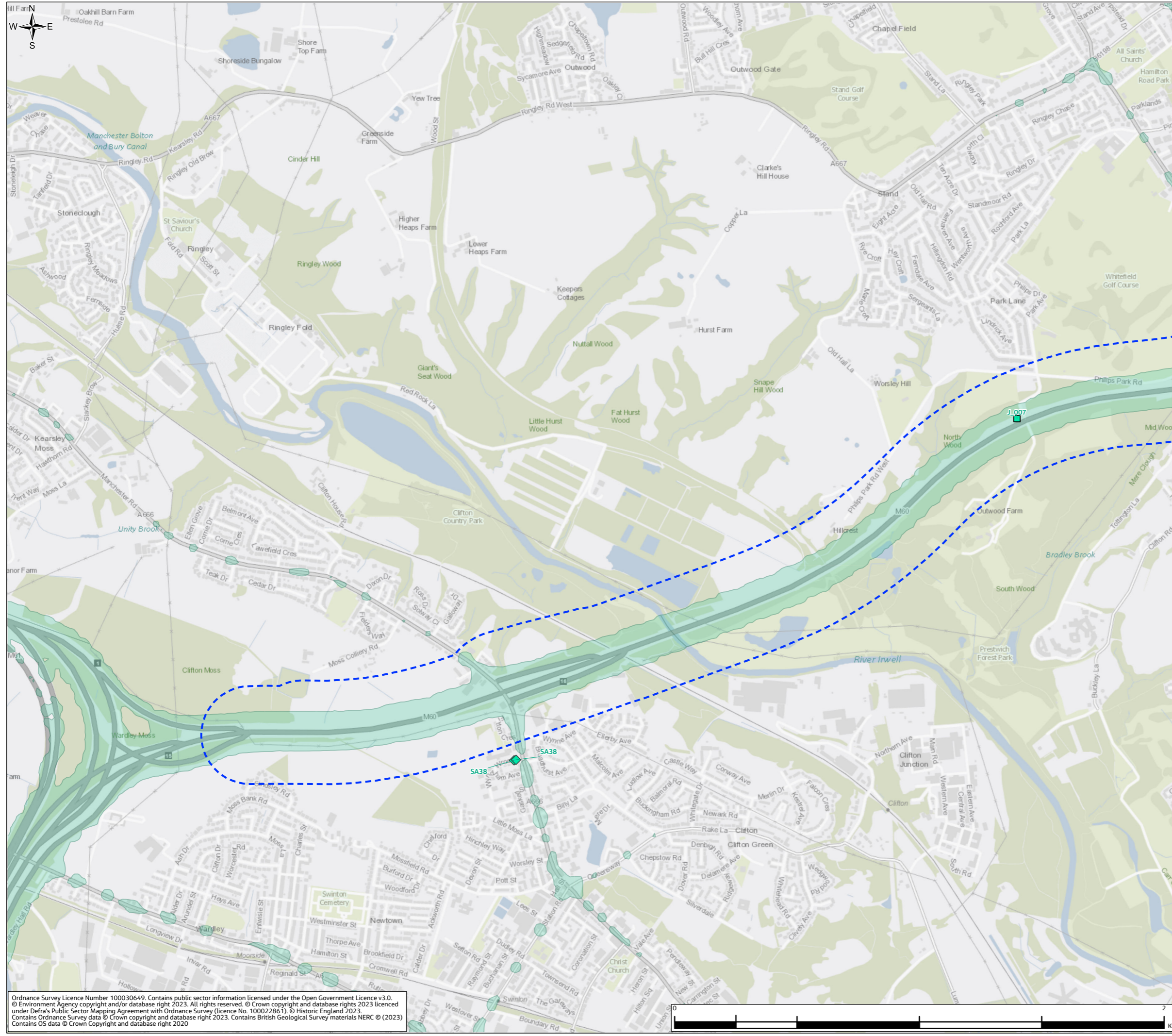
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Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			
Client:						
Project: REGIONAL DELIVERY PARTNERSHIP M60/M62/M66 SIMISTER ISLAND INTERCHANGE						
Drawing Title: ENVIRONMENTAL STATEMENT AIR QUALITY BASELINE CONDITIONS SHEET 1 OF 12						
Drawing Status: S4 – SUITABLE FOR STAGED APPROVAL						
Scale @ A3: 1:60,000		DO NOT SCALE				
Jacobs No: B36601F0		Rev: P01				
Client No: HE548642						
Drawing Number: HE548642-JAC-LDC-SII_MLT-SK-LA-0033						

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**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>

**Air Quality Verification Monitoring Locations NO<sub>2</sub> Zone**

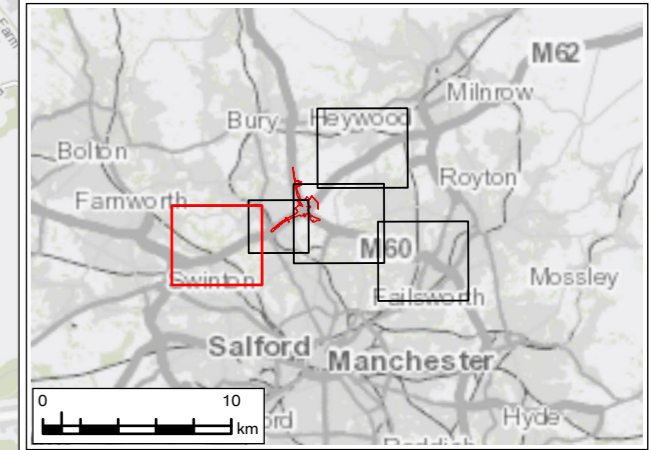
**Zone**

- 1
- 2
- 3

**PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**

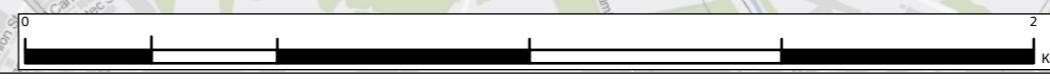
- <36
- 36 - 40
- >40

Greater Manchester Combined Authority Air Quality Management Area



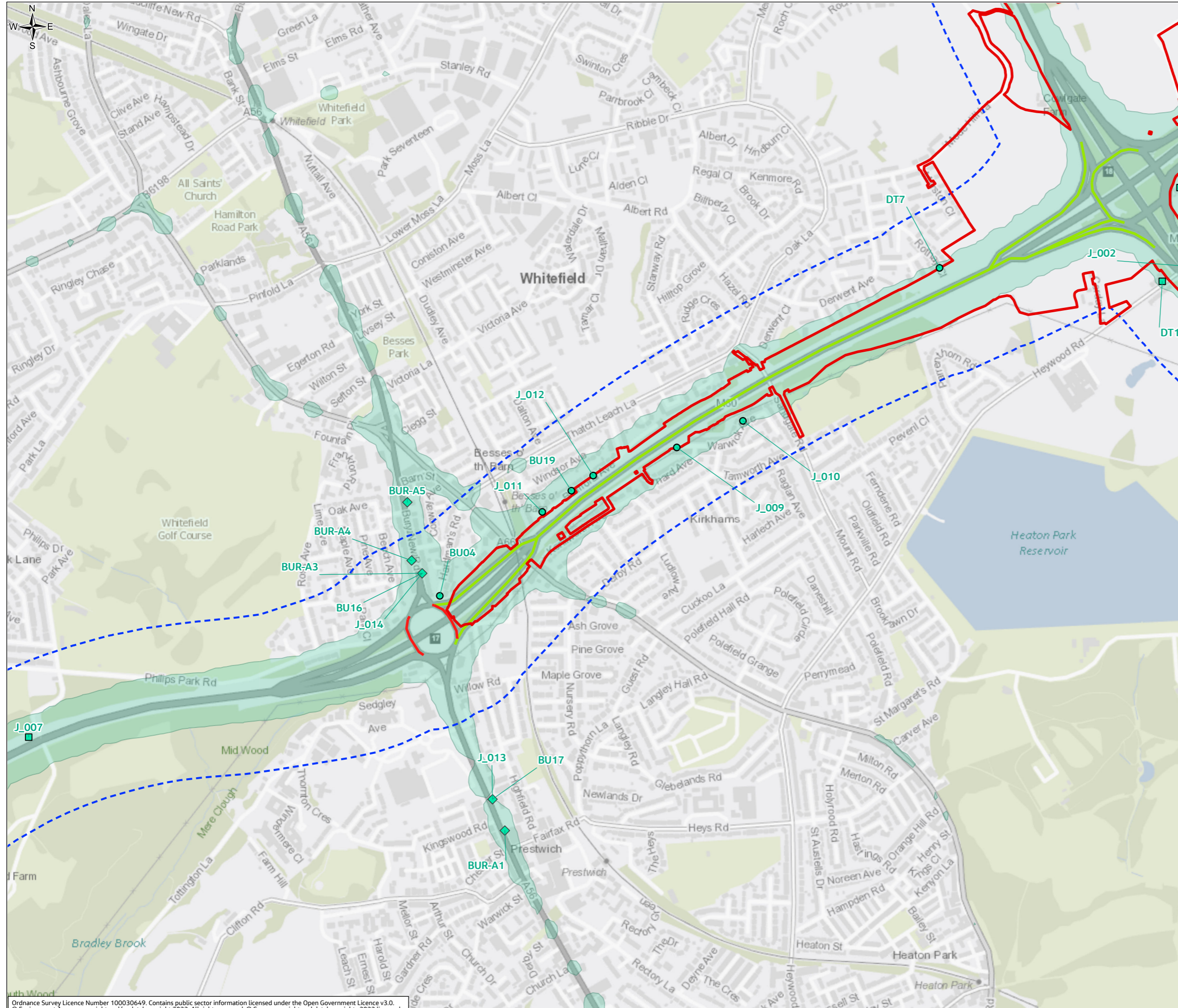
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Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			
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<p><b>ENVIRONMENTAL STATEMENT AIR QUALITY BASELINE CONDITIONS SHEET 2 OF 12</b></p>						
Drawing Status: S4 – SUITABLE FOR STAGED APPROVAL						
Scale @ A3		1:15,000	DO NOT SCALE			
Jacobs No.		B36601F0				
Client No.		HE548642	Rev P01			
Drawing Number: HE548642-JAC-LDC-SII_MLT-SK-LA-0033						

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**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>

**Air Quality Verification Monitoring Locations NO<sub>2</sub> Zone**

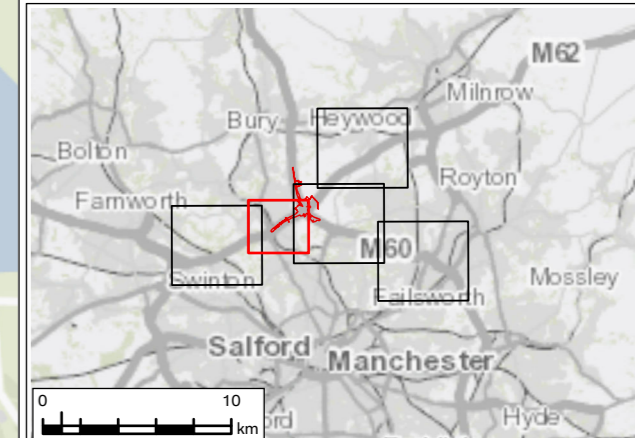
**Zone**

- 1
- 2
- ◆ 3

**PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**

- <36
- 36 - 40
- >40

Greater Manchester Combined Authority Air Quality Management Area



P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			

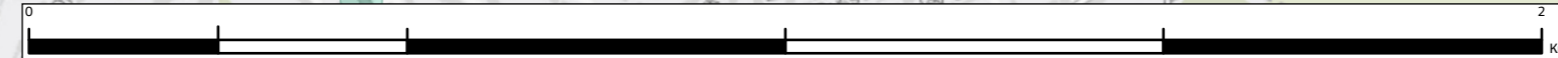


**Project**  
REGIONAL DELIVERY PARTNERSHIP  
M60/M62/M66 SIMISTER ISLAND INTERCHANGE

**Drawing Title**  
ENVIRONMENTAL STATEMENT  
AIR QUALITY BASELINE CONDITIONS  
SHEET 3 OF 12

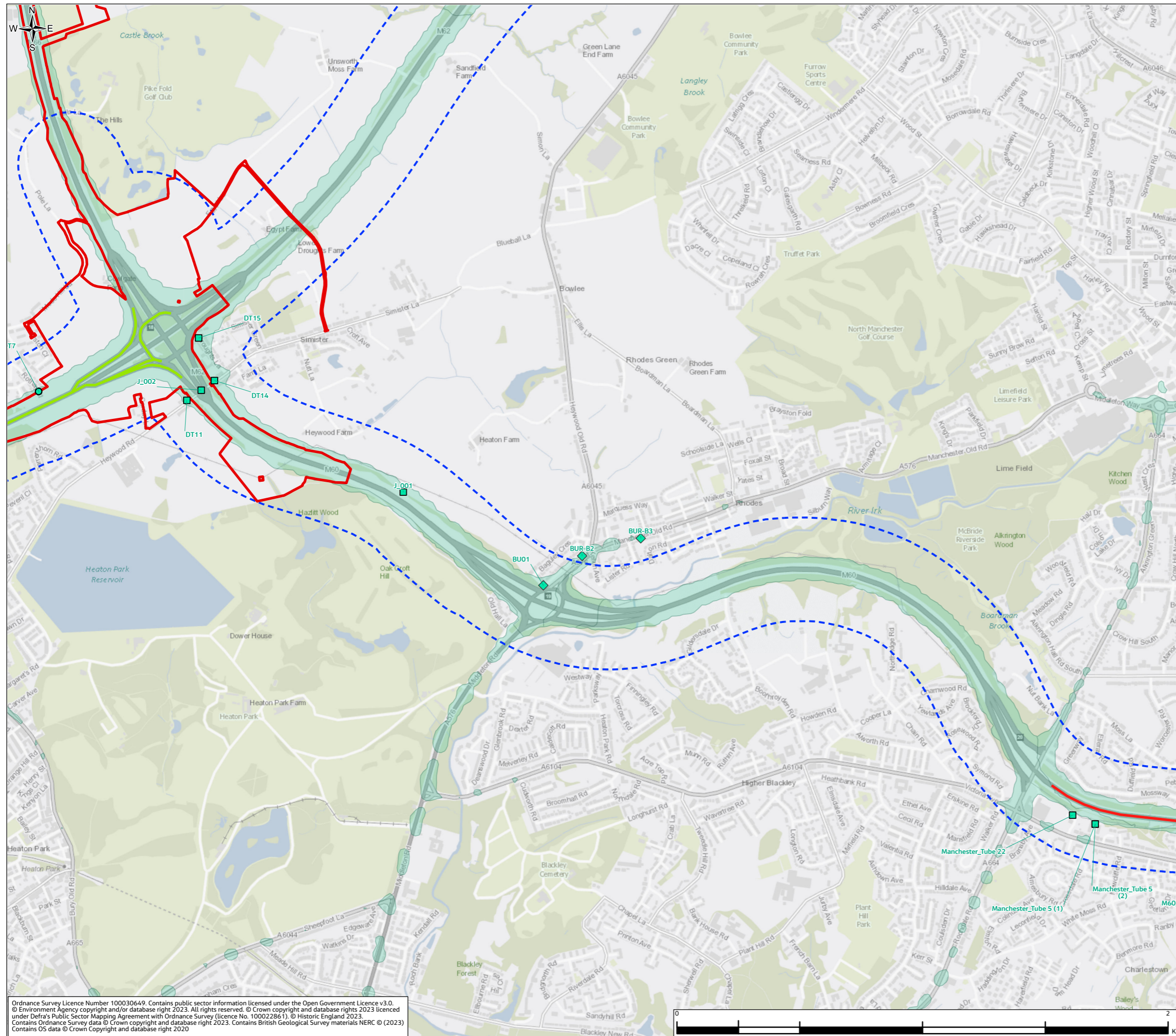
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<b>Jacobs No.</b>	B36601F0	Rev P01
<b>Client No.</b>	HE548642	
<b>Drawing Number</b>	HE548642-JAC-LDC-SII_MLT-SK-LA-0033	

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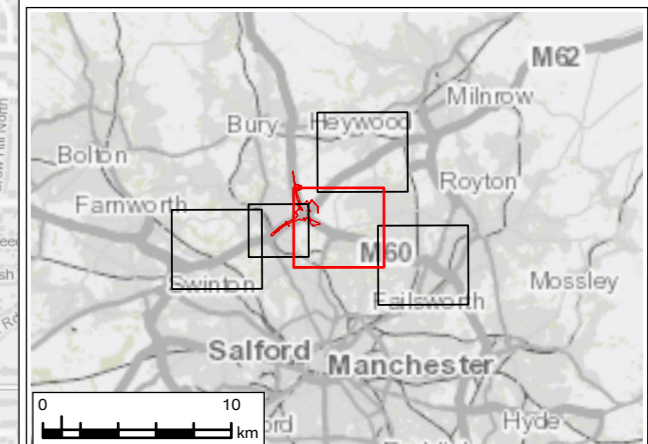


**FIGURE 5.3**



**Legend**

- Order Limits
  - Air Quality Operational Study Area (200m)
  - Air Quality Monitoring Locations PM<sub>10</sub>
  - ▲ Air Quality Monitoring Location PM<sub>2.5</sub>
- Air Quality Verification Monitoring Locations NO<sub>2</sub> Zone**
- Zone**
- 1
  - 2
  - ◆ 3
- PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**
- <36
  - 36 - 40
  - >40
- Greater Manchester Combined Authority Air Quality Management Area



P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	App'r'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			



**Project**  
REGIONAL DELIVERY PARTNERSHIP  
M60/M62/M66 SIMISTER ISLAND INTERCHANGE

**Drawing Title**  
ENVIRONMENTAL STATEMENT  
AIR QUALITY BASELINE CONDITIONS  
SHEET 4 OF 12

**Drawing Status**  
S4 – SUITABLE FOR STAGED APPROVAL

Scale @ A3	1:15,000	DO NOT SCALE
Jacobs No.	B36601F0	
Client No.	HE548642	Rev P01

**Drawing Number**  
HE548642-JAC-LDC-SII\_MLT-SK-LA-0033

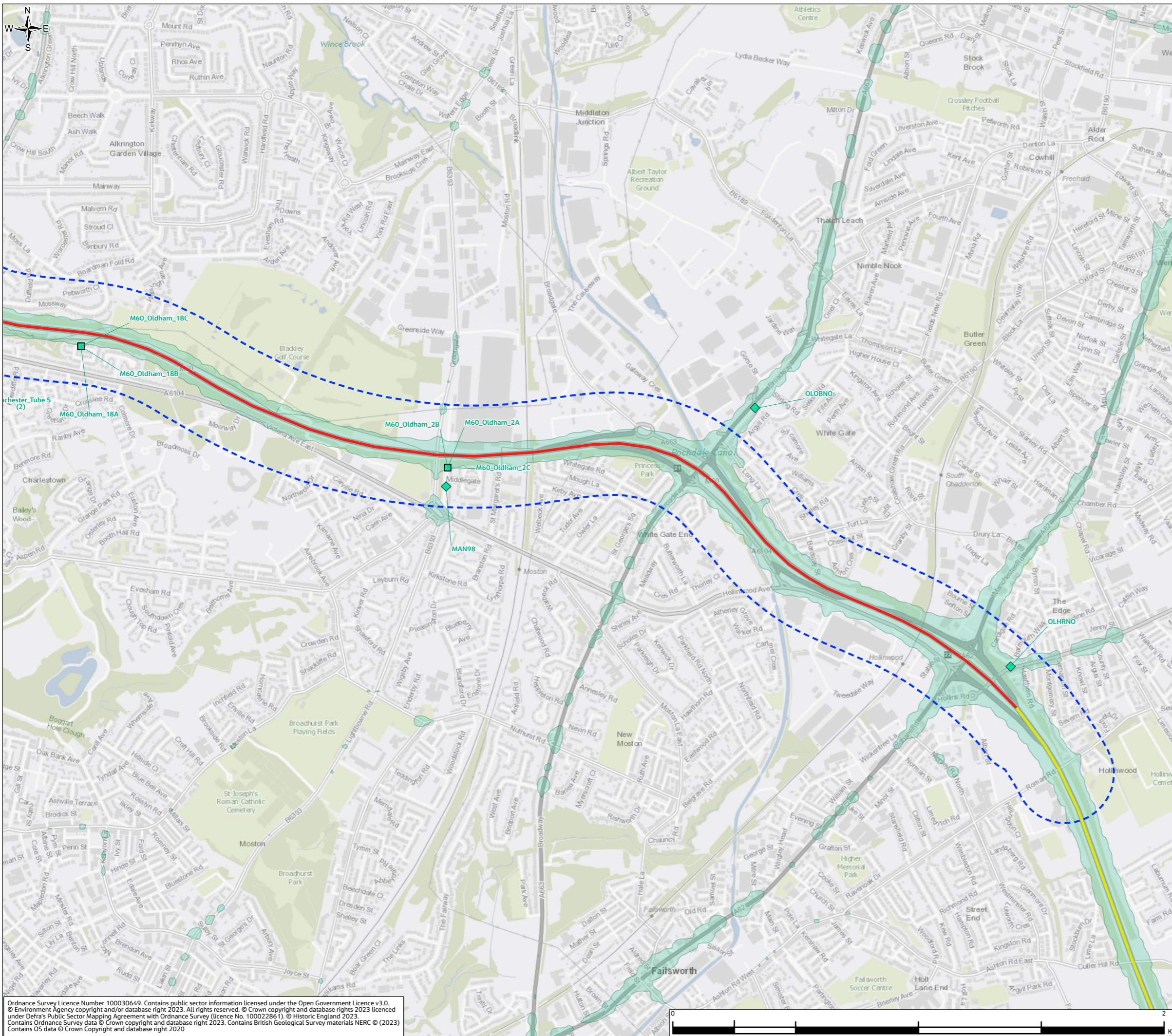
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**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>

**Air Quality Verification Monitoring Locations NO<sub>2</sub> Zone**

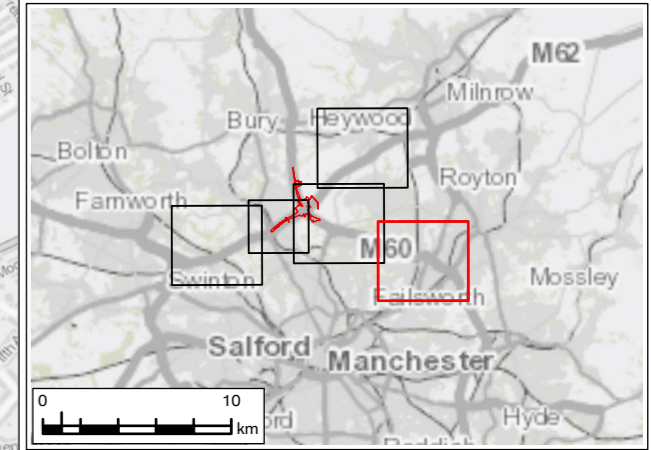
**Zone**

- 1
- 2
- ◆ 3

**PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**

- <36
- 36 - 40
- >40

Greater Manchester Combined Authority Air Quality Management Area



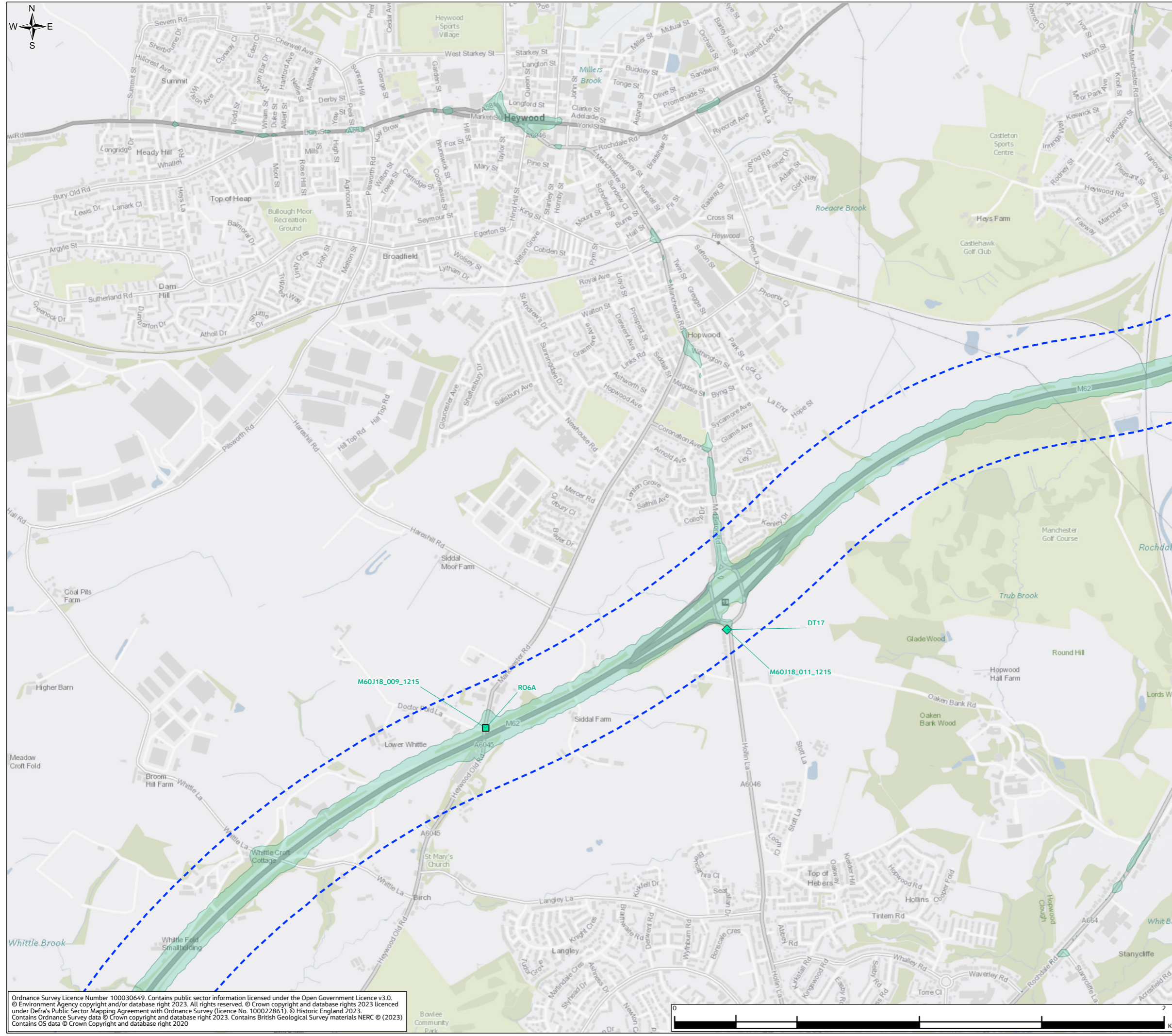
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<b>Drawing Title</b> ENVIRONMENTAL STATEMENT AIR QUALITY BASELINE CONDITIONS SHEET 5 OF 12						
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Jacobs No.		B36601F0				
Client No.		HE548642	Rev P01			
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**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>

**Air Quality Verification Monitoring Locations NO<sub>2</sub> Zone**

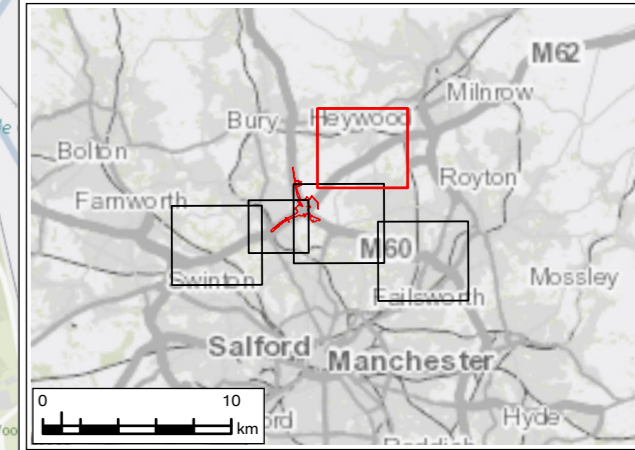
**Zone**

- 1
- 2
- ◆ 3

**PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**

- <36
- 36 - 40
- >40

Greater Manchester Combined Authority Air Quality Management Area



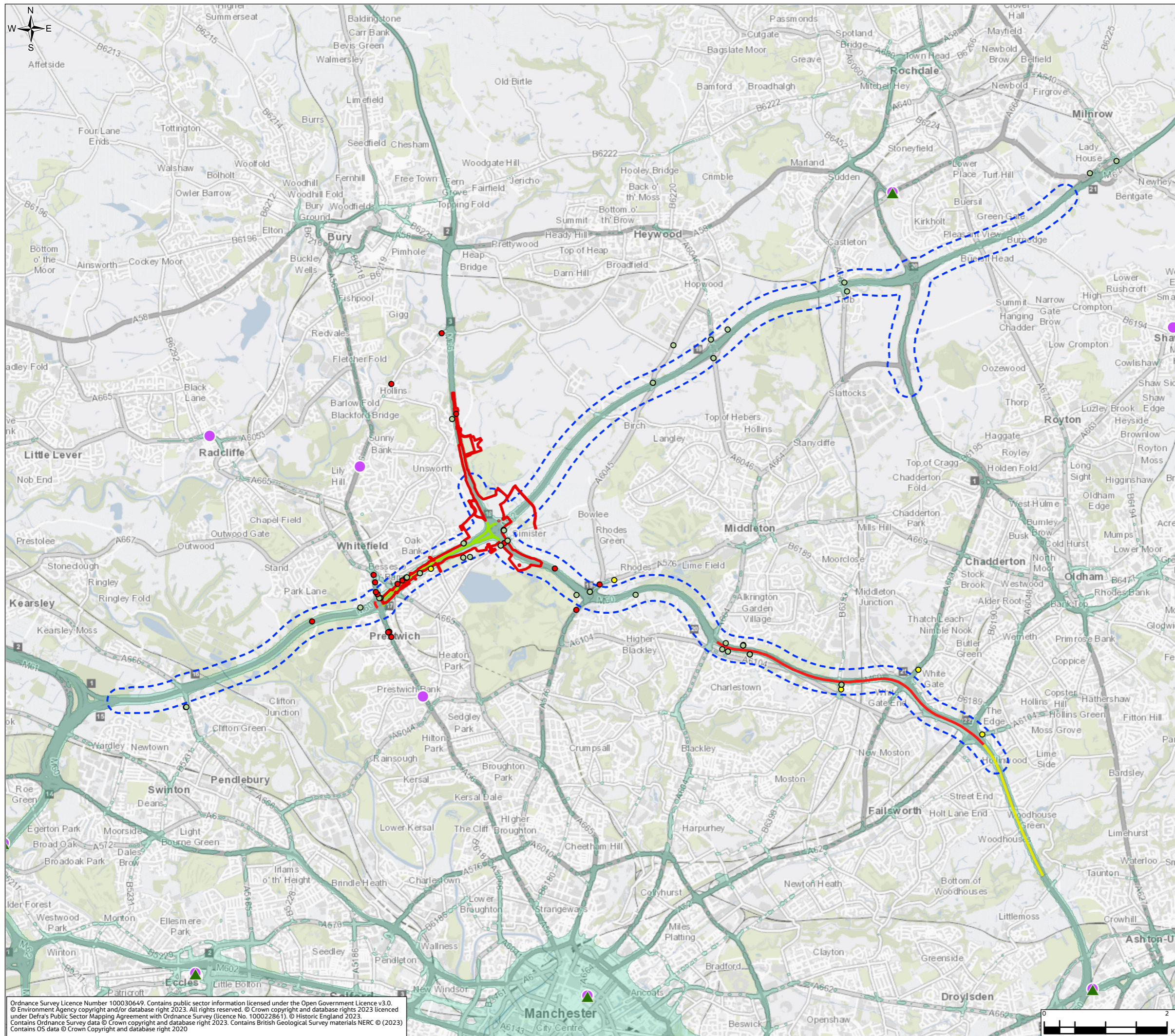
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<b>Jacobs No.</b>		B36601F0	Rev			
<b>Client No.</b>		HE548642	P01			
<b>Drawing Number</b>		HE548642-JAC-LDC-SII_MLT-SK-LA-0033				

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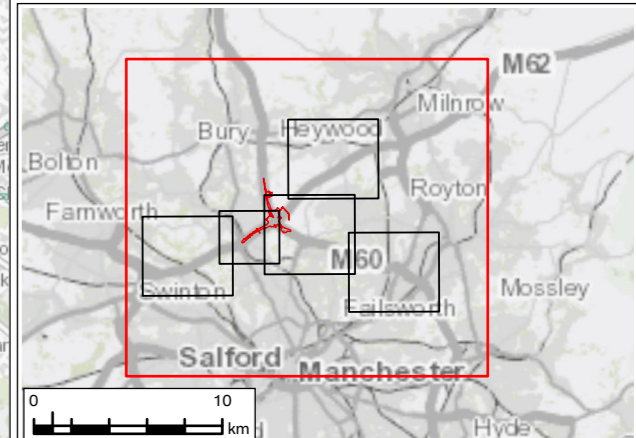
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**FIGURE 5.3**



- Legend**
- Order Limits
  - Air Quality Operational Study Area (200m)
  - Air Quality Monitoring Locations PM<sub>10</sub>
  - ▲ Air Quality Monitoring Location PM<sub>2.5</sub>
- Air Quality Monitoring Locations NO<sub>2</sub> (Base Year (2018) (µg/m<sup>3</sup>))**
- <math>< 36</math>
  - <math>36 - 40</math>
  - <math>> 40</math>
- PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**
- <math>< 36</math>
  - <math>36 - 40</math>
  - <math>> 40</math>
- Greater Manchester Combined Authority Air Quality Management Area



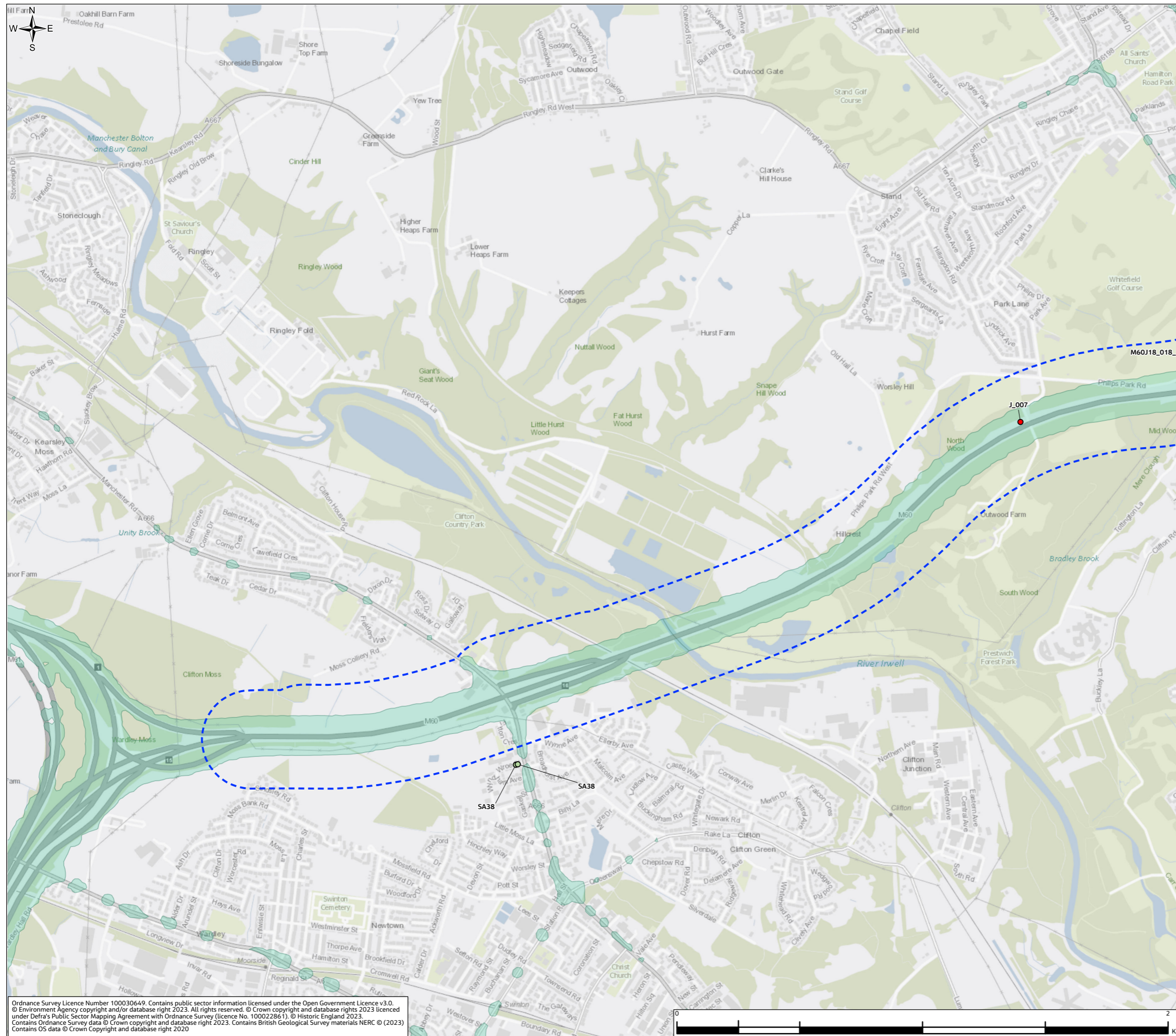
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Drawing Title: ENVIRONMENTAL STATEMENT AIR QUALITY BASELINE CONDITIONS SHEET 7 OF 12						
Drawing Status: S4 – SUITABLE FOR STAGED APPROVAL						
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Jacobs No: B36601F0		Rev: P01				
Client No: HE548642						
Drawing Number: HE548642-JAC-LDC-SII_MLT-SK-LA-0033						

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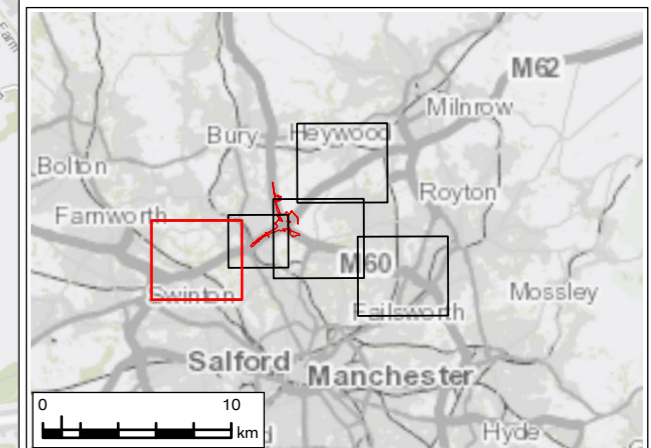


**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>
- Air Quality Monitoring Locations NO<sub>2</sub> (Base Year (2018) (µg/m<sup>3</sup>))**
- < 36
- 36 - 40
- > 40
- PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**
- < 36
- 36 - 40
- > 40
- Greater Manchester Combined Authority Air Quality Management Area



P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			

Client

Project  
**REGIONAL DELIVERY PARTNERSHIP  
M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title  
**ENVIRONMENTAL STATEMENT  
AIR QUALITY BASELINE CONDITIONS  
SHEET 8 OF 12**

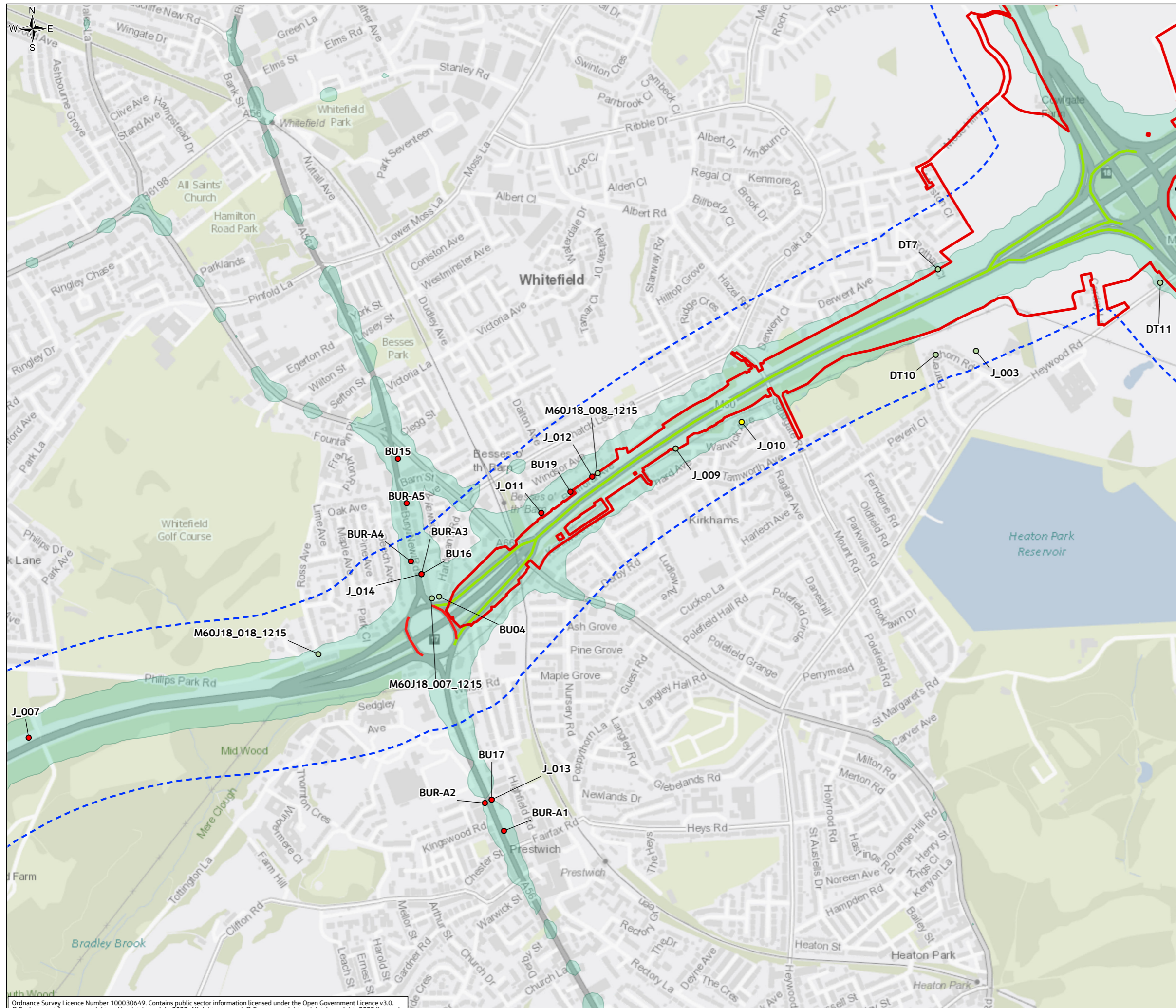
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Scale @ A3	1:15,000	DO NOT SCALE
Jacobs No.	B36601F0	Rev P01
Client No.	HE548642	
Drawing Number	HE548642-JAC-LDC-SII_MLT-SK-LA-0033	

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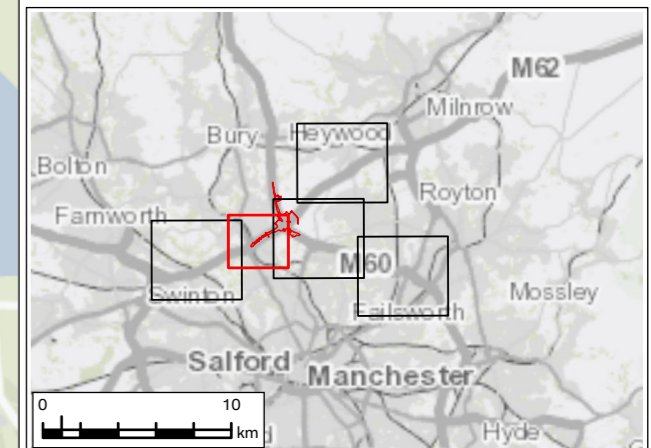


**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations  $\text{PM}_{10}$
- ▲ Air Quality Monitoring Location  $\text{PM}_{2.5}$
- Air Quality Monitoring Locations  $\text{NO}_2$  (Base Year (2018) ( $\mu\text{g}/\text{m}^3$ ))**
  - <math>< 36</math>
  - <math>36 - 40</math>
  - <math>> 40</math>
- PCM Links Correspond to ARN (Base Year (2018)  $\text{NO}_2$  ( $\mu\text{g}/\text{m}^3$ ))**
  - <math>< 36</math>
  - <math>36 - 40</math>
  - <math>> 40</math>
- Greater Manchester Combined Authority Air Quality Management Area



P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			

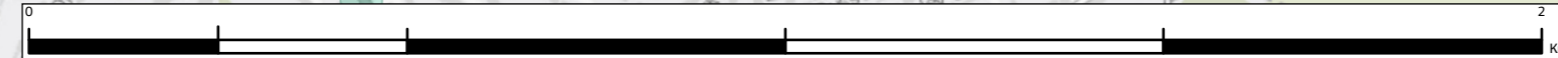


**Project**  
REGIONAL DELIVERY PARTNERSHIP  
M60/M62/M66 SIMISTER ISLAND INTERCHANGE

**Drawing Title**  
ENVIRONMENTAL STATEMENT  
AIR QUALITY BASELINE CONDITIONS  
SHEET 9 OF 12

<b>Drawing Status</b>	S4 – SUITABLE FOR STAGED APPROVAL	
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<b>Jacobs No.</b>	B36601F0	Rev P01
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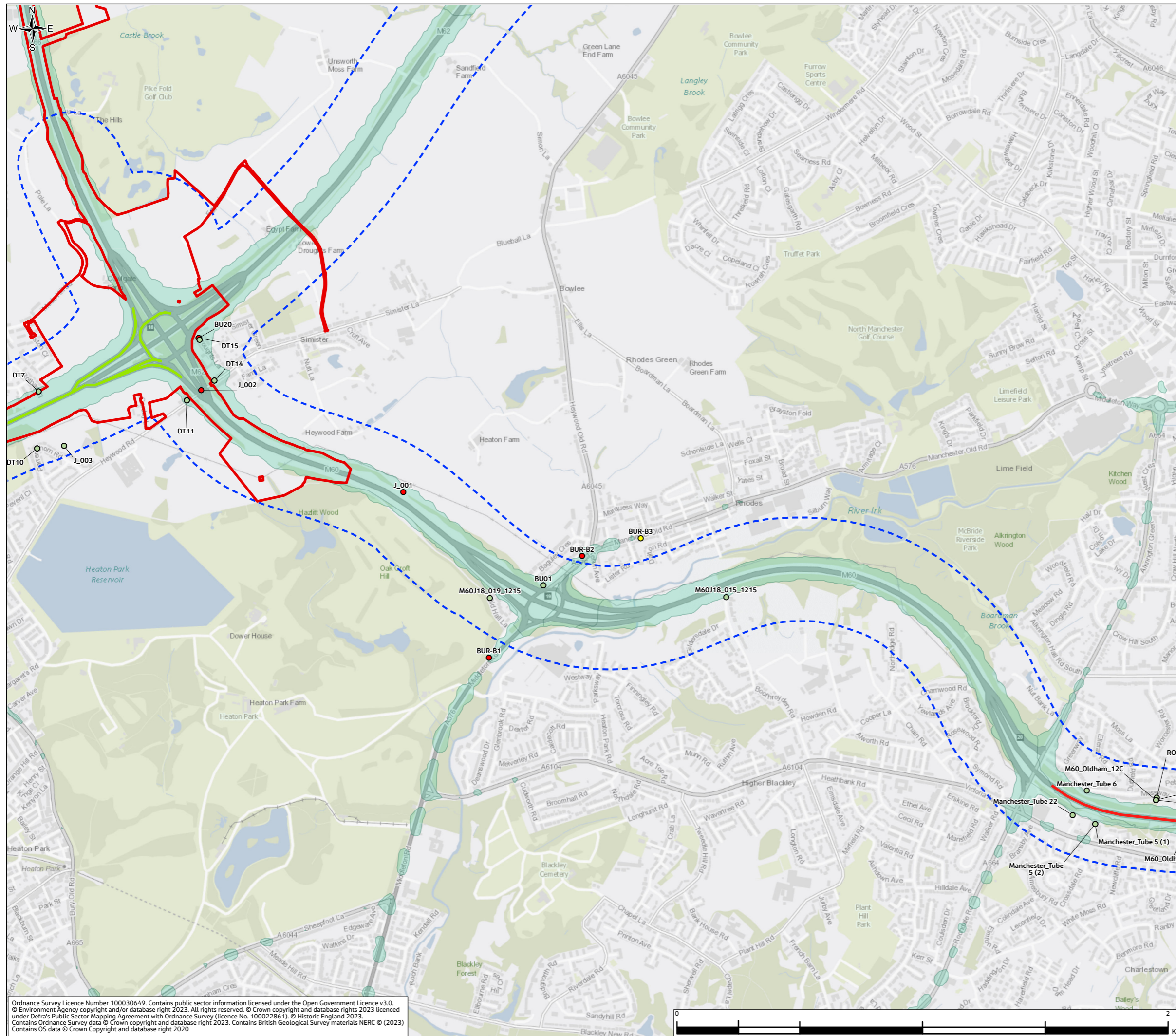
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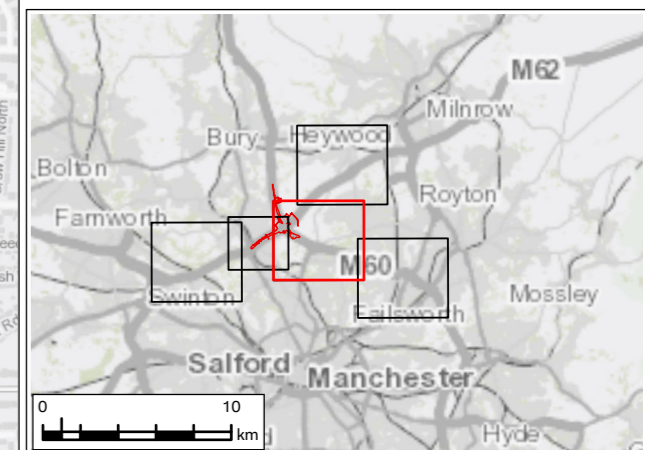


**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations PM<sub>10</sub>
- ▲ Air Quality Monitoring Location PM<sub>2.5</sub>
- Air Quality Monitoring Locations NO<sub>2</sub> (Base Year (2018) (µg/m<sup>3</sup>))**
  - < 36
  - 36 - 40
  - > 40
- PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**
  - < 36
  - 36 - 40
  - > 40
- Greater Manchester Combined Authority Air Quality Management Area



P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			



**Project**  
 REGIONAL DELIVERY PARTNERSHIP  
 M60/M62/M66 SIMISTER ISLAND INTERCHANGE

**Drawing Title**  
 ENVIRONMENTAL STATEMENT  
 AIR QUALITY BASELINE CONDITIONS  
 SHEET 10 OF 12

<b>Drawing Status</b>	S4 – SUITABLE FOR STAGED APPROVAL	
<b>Scale @ A3</b>	1:15,000	<b>DO NOT SCALE</b>
<b>Jacobs No.</b>	B36601F0	Rev
<b>Client No.</b>	HE548642	P01
<b>Drawing Number</b>	HE548642-JAC-LDC-SII_MLT-SK-LA-0033	

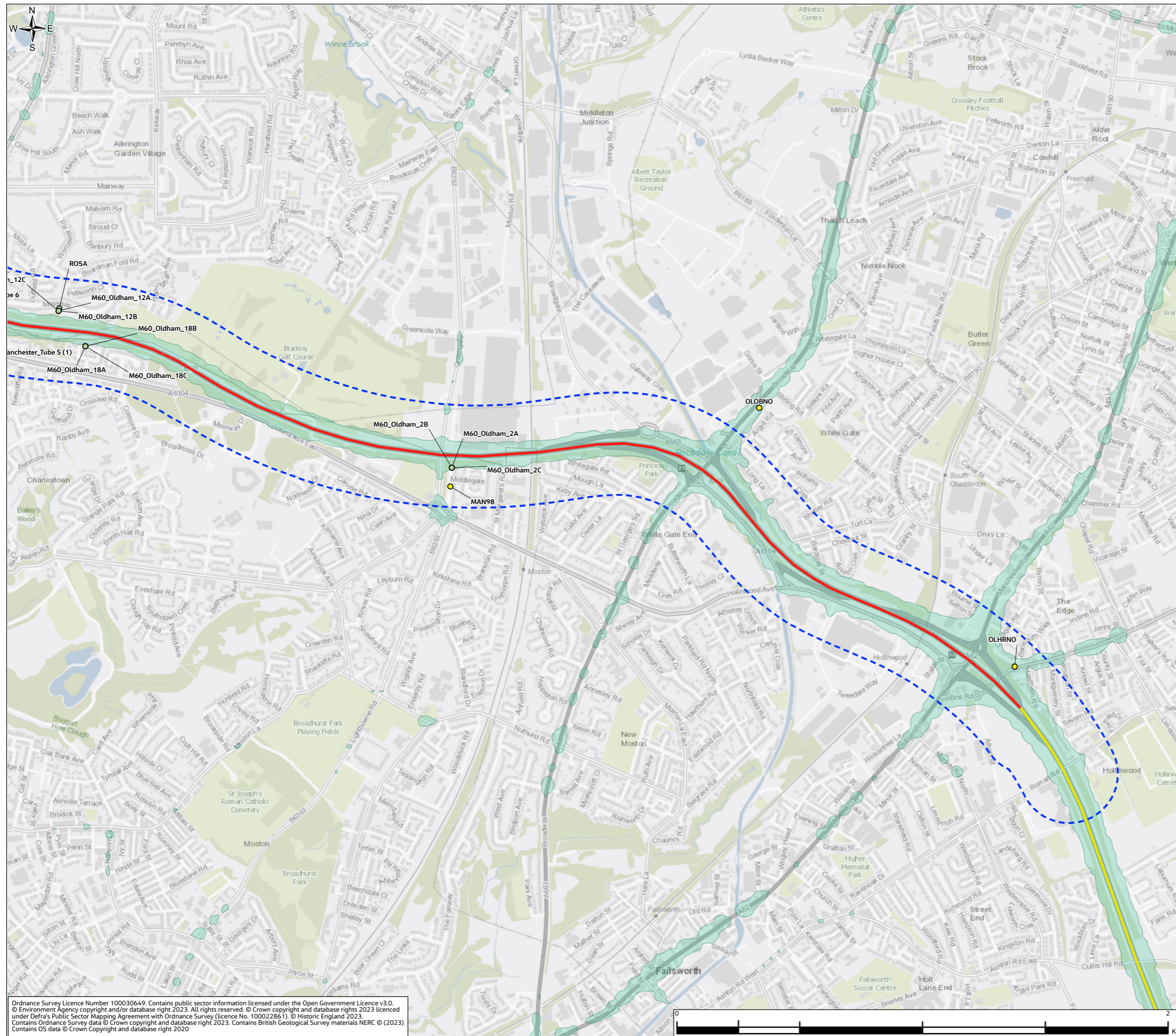
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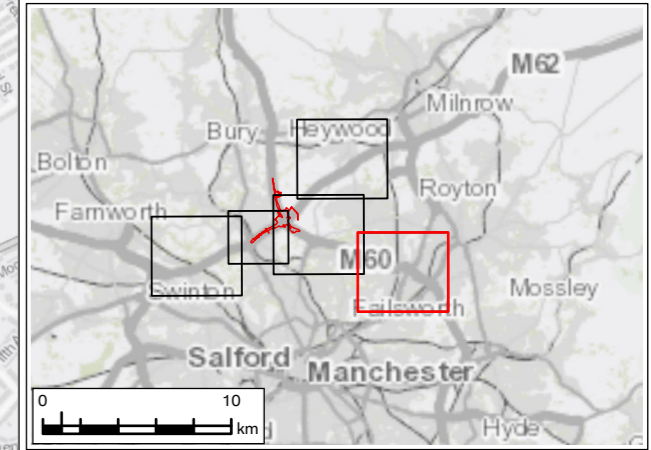
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**FIGURE 5.3**



- Legend**
- Order Limits
  - Air Quality Operational Study Area (200m)
  - Air Quality Monitoring Locations PM<sub>10</sub>
  - ▲ Air Quality Monitoring Location PM<sub>2.5</sub>
- Air Quality Monitoring Locations NO<sub>2</sub> (Base Year (2018) (µg/m<sup>3</sup>))**
- < 36
  - 36 - 40
  - > 40
- PCM Links Correspond to ARN (Base Year (2018) NO<sub>2</sub> (µg/m<sup>3</sup>))**
- <36
  - 36 - 40
  - > 40
- Greater Manchester Combined Authority Air Quality Management Area



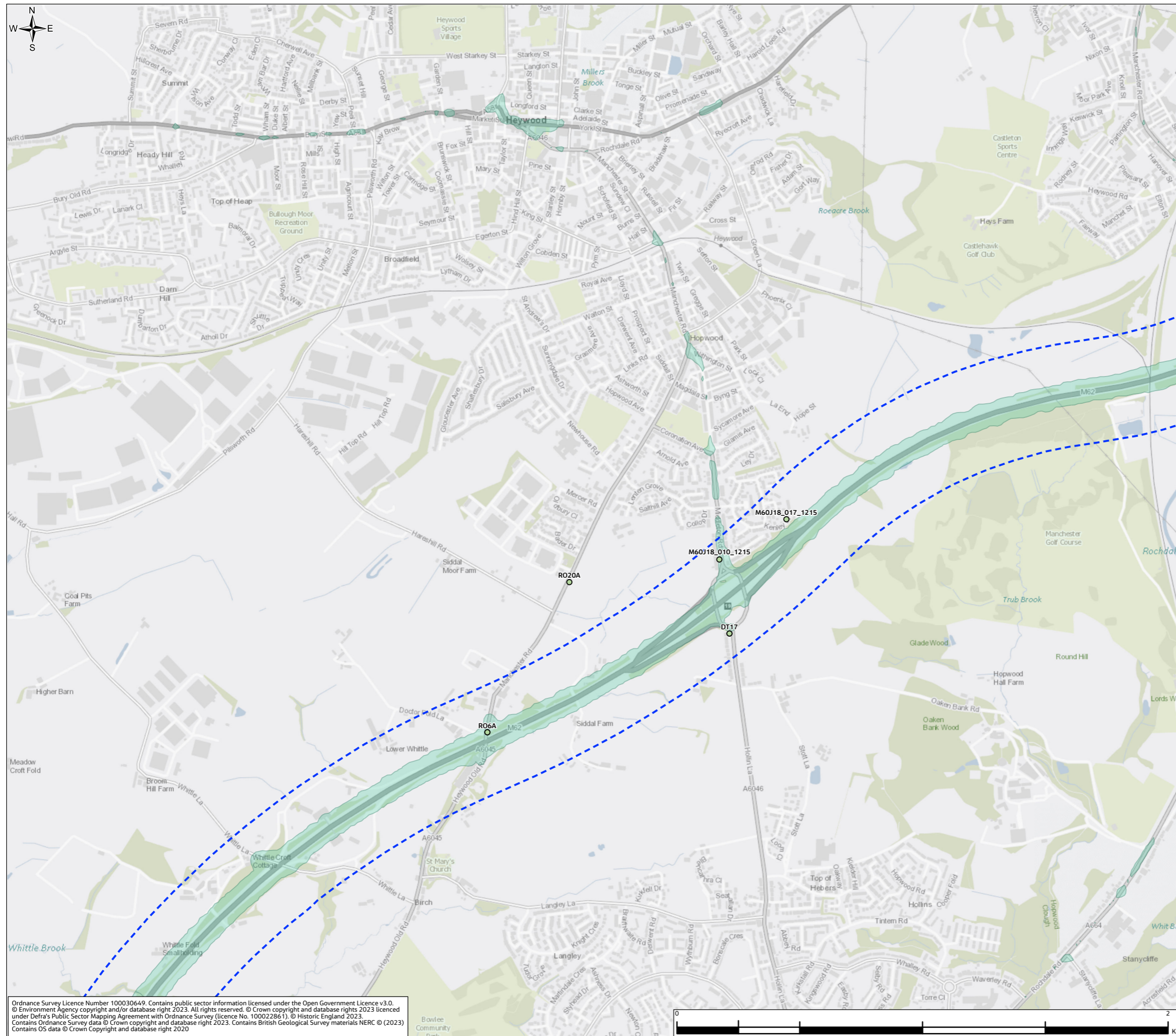
P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	Appr'd
Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			
Client:						
Project: REGIONAL DELIVERY PARTNERSHIP M60/M62/M66 SIMISTER ISLAND INTERCHANGE						
Drawing Title: ENVIRONMENTAL STATEMENT AIR QUALITY BASELINE CONDITIONS SHEET 11 OF 12						
Drawing Status: S4 – SUITABLE FOR STAGED APPROVAL						
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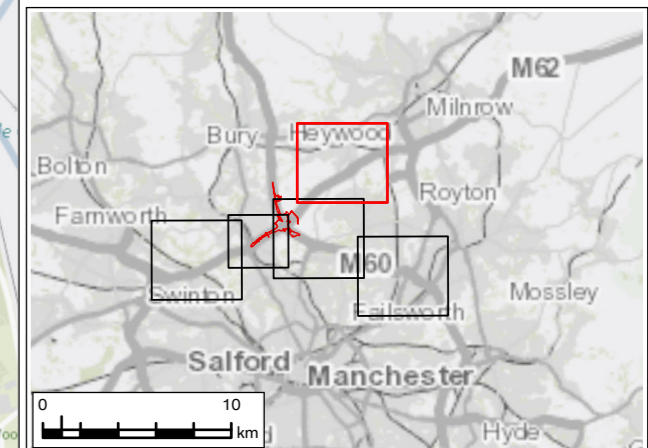


**FIGURE 5.3**



**Legend**

- Order Limits
- Air Quality Operational Study Area (200m)
- Air Quality Monitoring Locations  $PM_{10}$
- ▲ Air Quality Monitoring Location  $PM_{2.5}$
- Air Quality Monitoring Locations  $NO_2$  (Base Year (2018) ( $\mu g/m^3$ ))**
- $< 36$
- $36 - 40$
- $> 40$
- PCM Links Correspond to ARN (Base Year (2018)  $NO_2$  ( $\mu g/m^3$ ))**
- $< 36$
- $36 - 40$
- $> 40$
- Greater Manchester Combined Authority Air Quality Management Area



P01	JAN 24	For DCO application	LT	MS	JR	BB
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Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			

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Project  
**REGIONAL DELIVERY PARTNERSHIP  
M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title  
**ENVIRONMENTAL STATEMENT  
AIR QUALITY BASELINE CONDITIONS  
SHEET 12 OF 12**

Drawing Status  
**S4 – SUITABLE FOR STAGED APPROVAL**

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