

M60/M62/M66 Simister Island Interchange

TR010064

ENVIRONMENTAL STATEMENT FIGURES CHAPTER 5 AIR QUALITY (FIGURES 5.8- 5.9)

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[]

**ENVIRONMENTAL STATEMENT FIGURES
CHAPTER 5 AIR QUALITY (FIGURES 5.8-5.9)**

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

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P01	April 2024	DCO APPLICATION ISSUE

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Environmental Statement Figures Chapter 5 Air Quality (Figures 5.8-5.9)

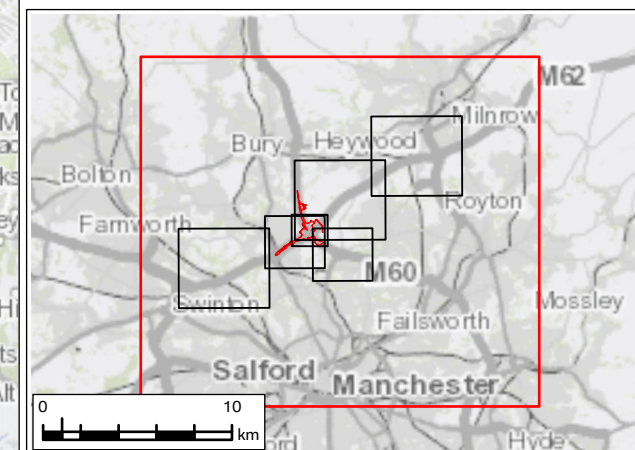
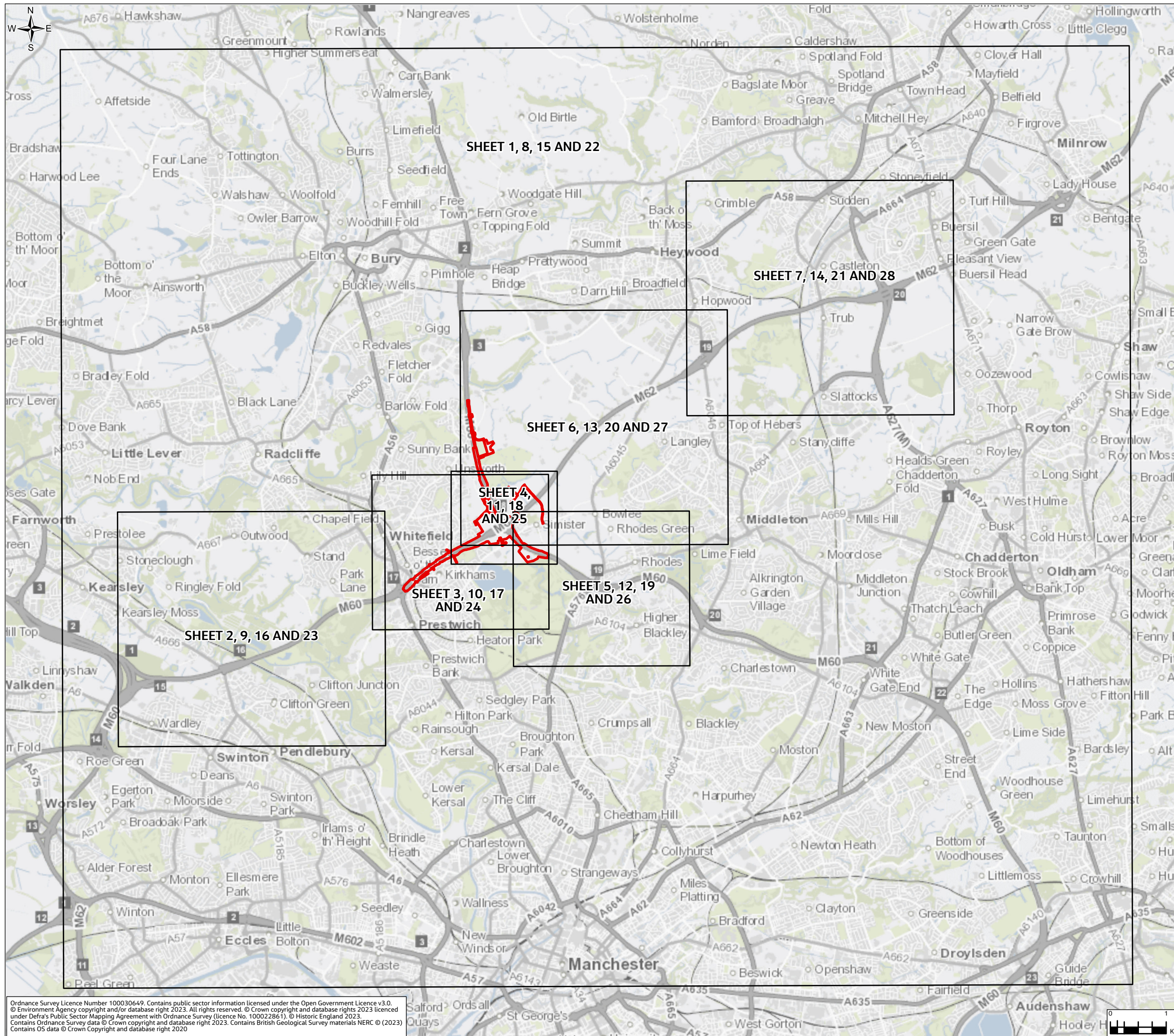
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FIGURE 5.8

Legend

 Order Limits

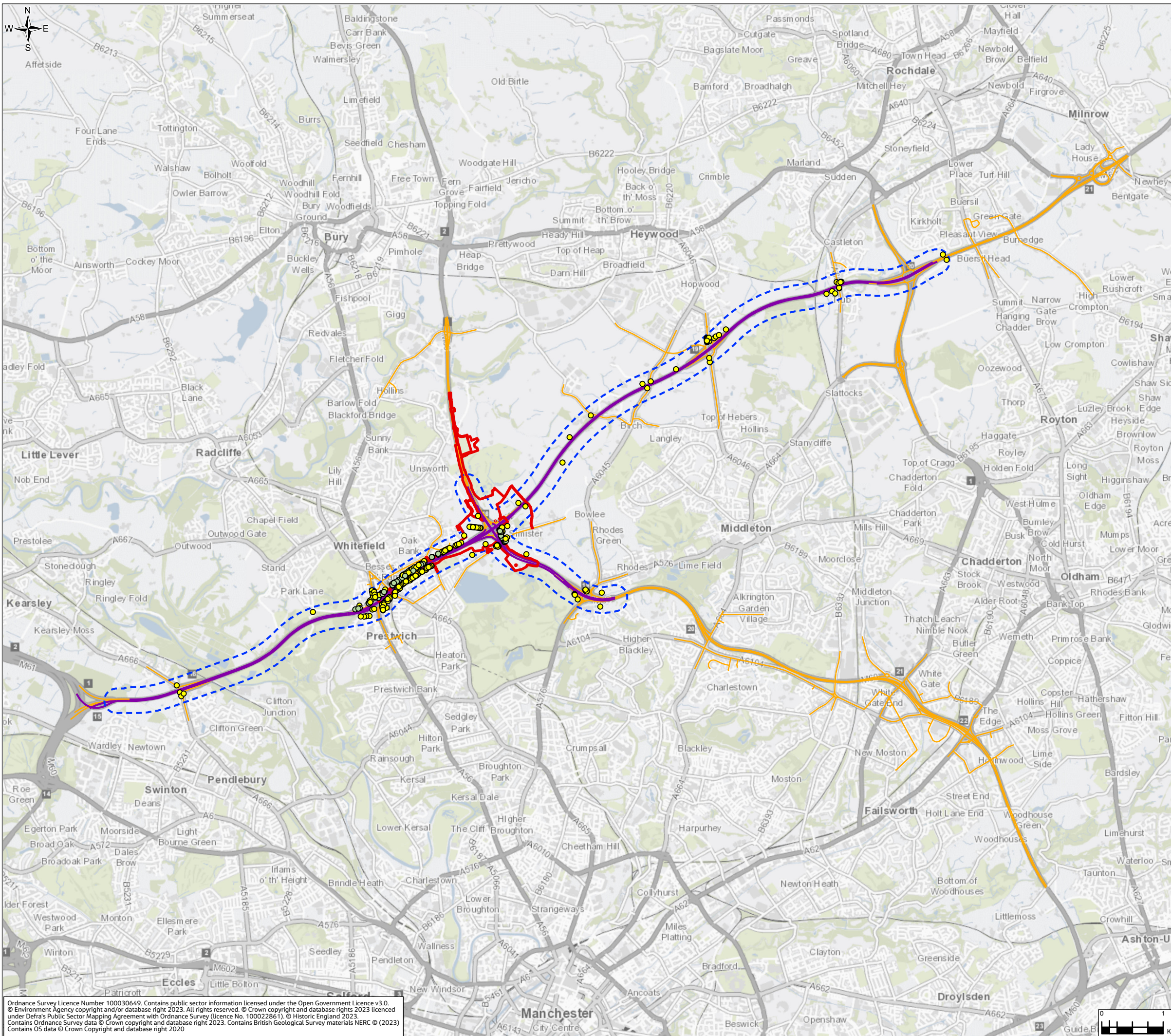


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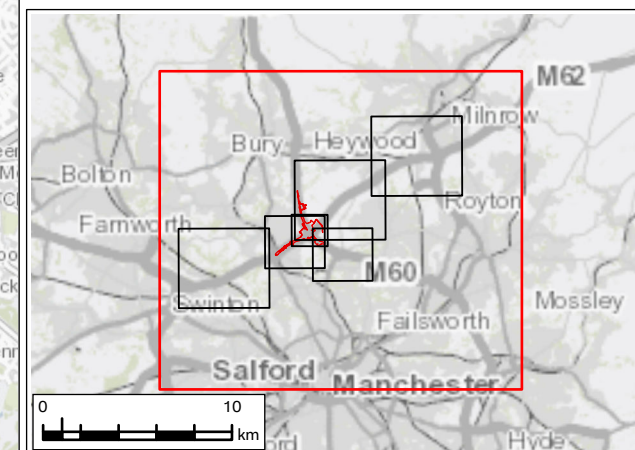
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Small Decrease (-0.4 - -2.0)
- Imperceptible (-0.4 - 0.4)
- Small Increase (0.4 - 2.0)
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 1 OF 28

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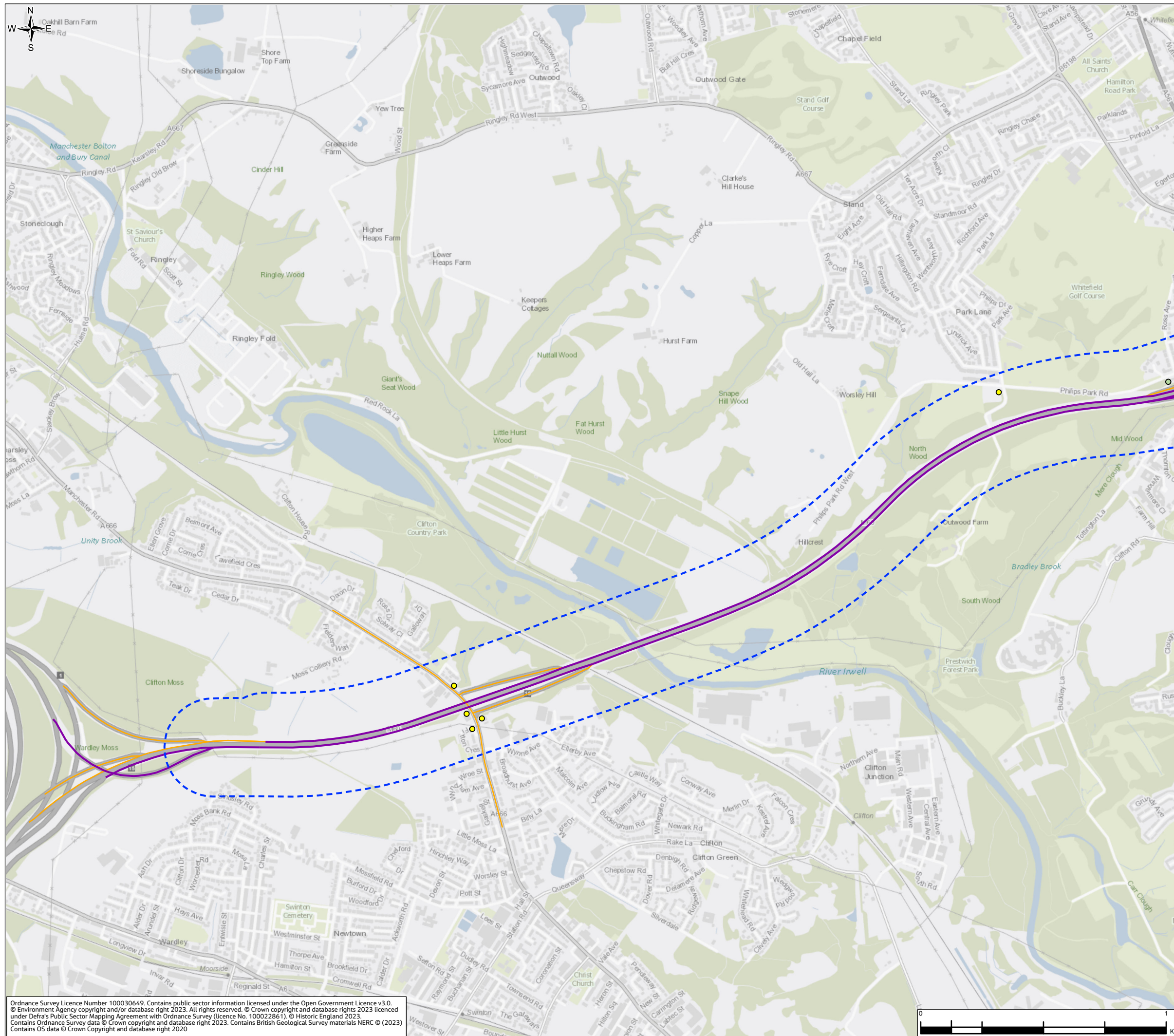
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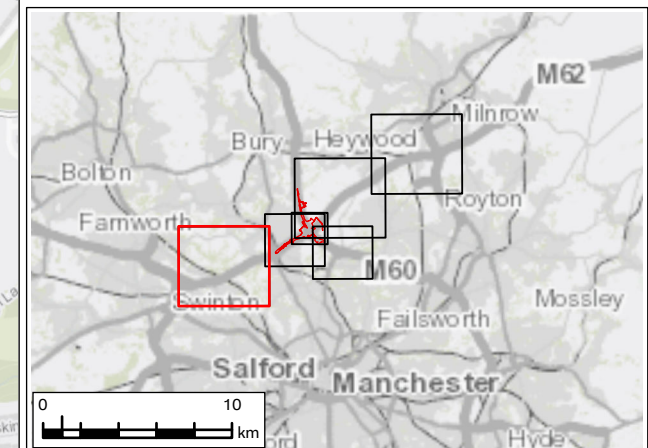
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FIGURE 5.8



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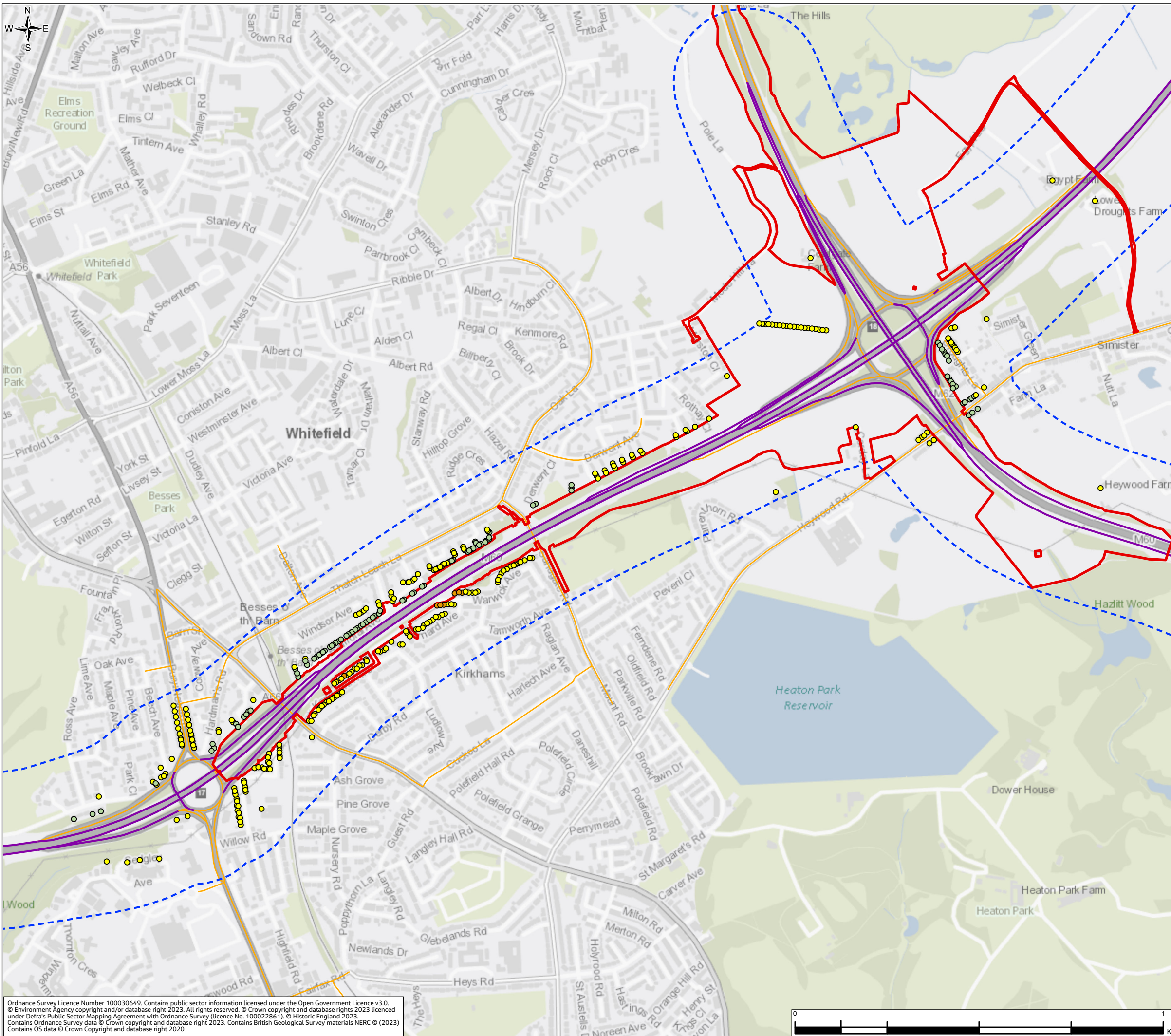
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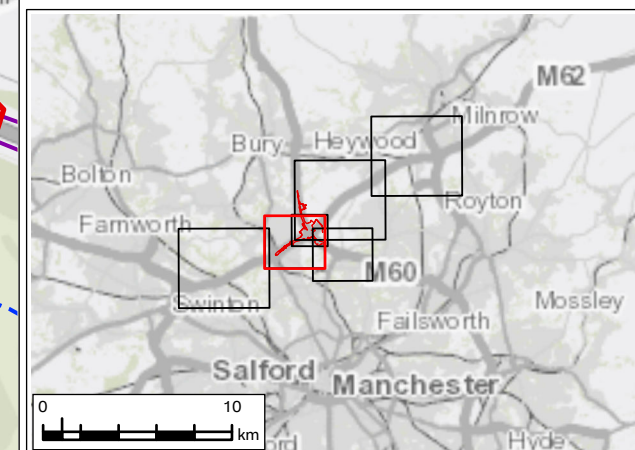
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FIGURE 5.8



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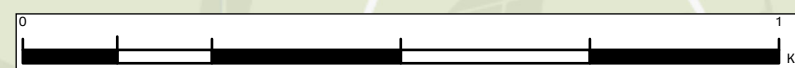
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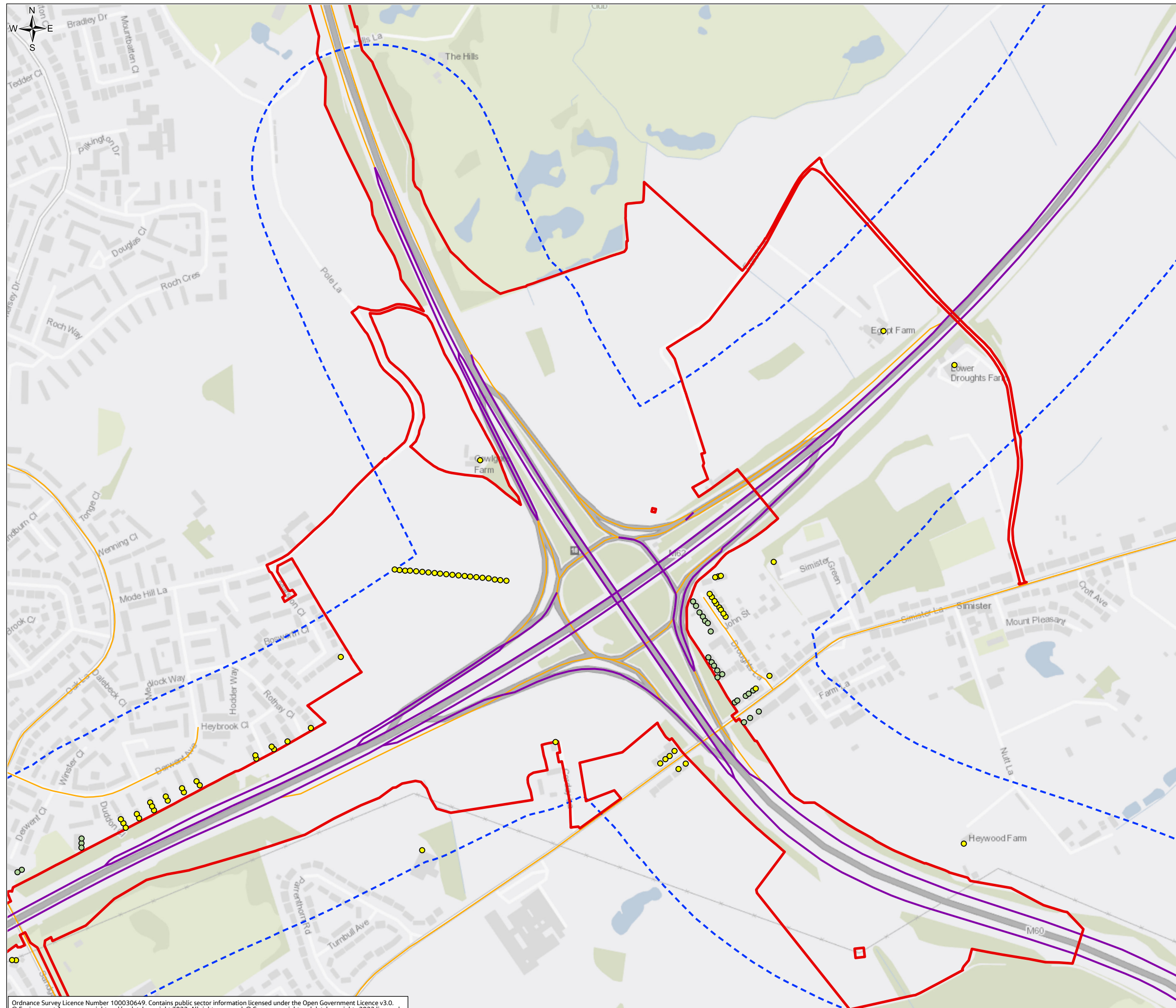
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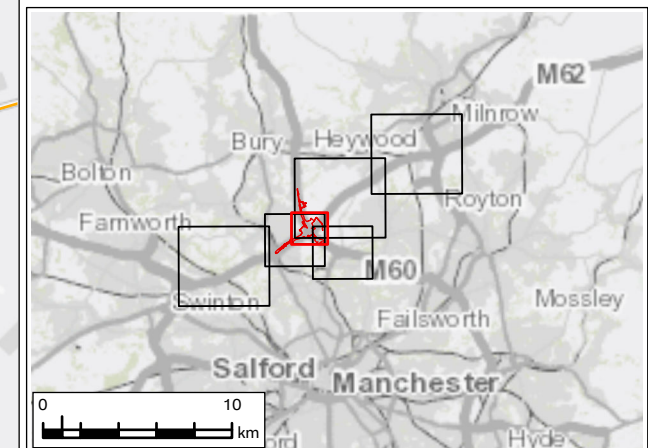
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FIGURE 5.8



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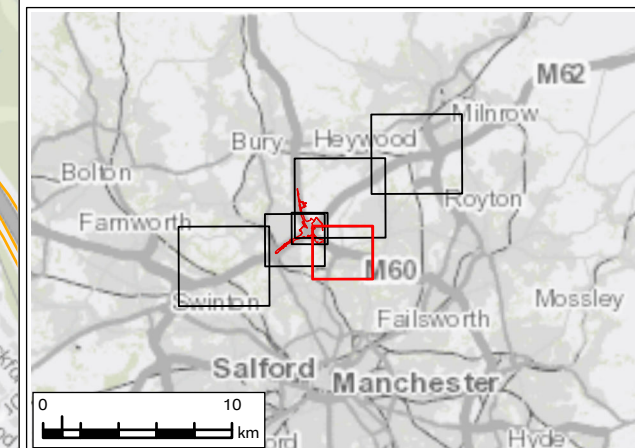
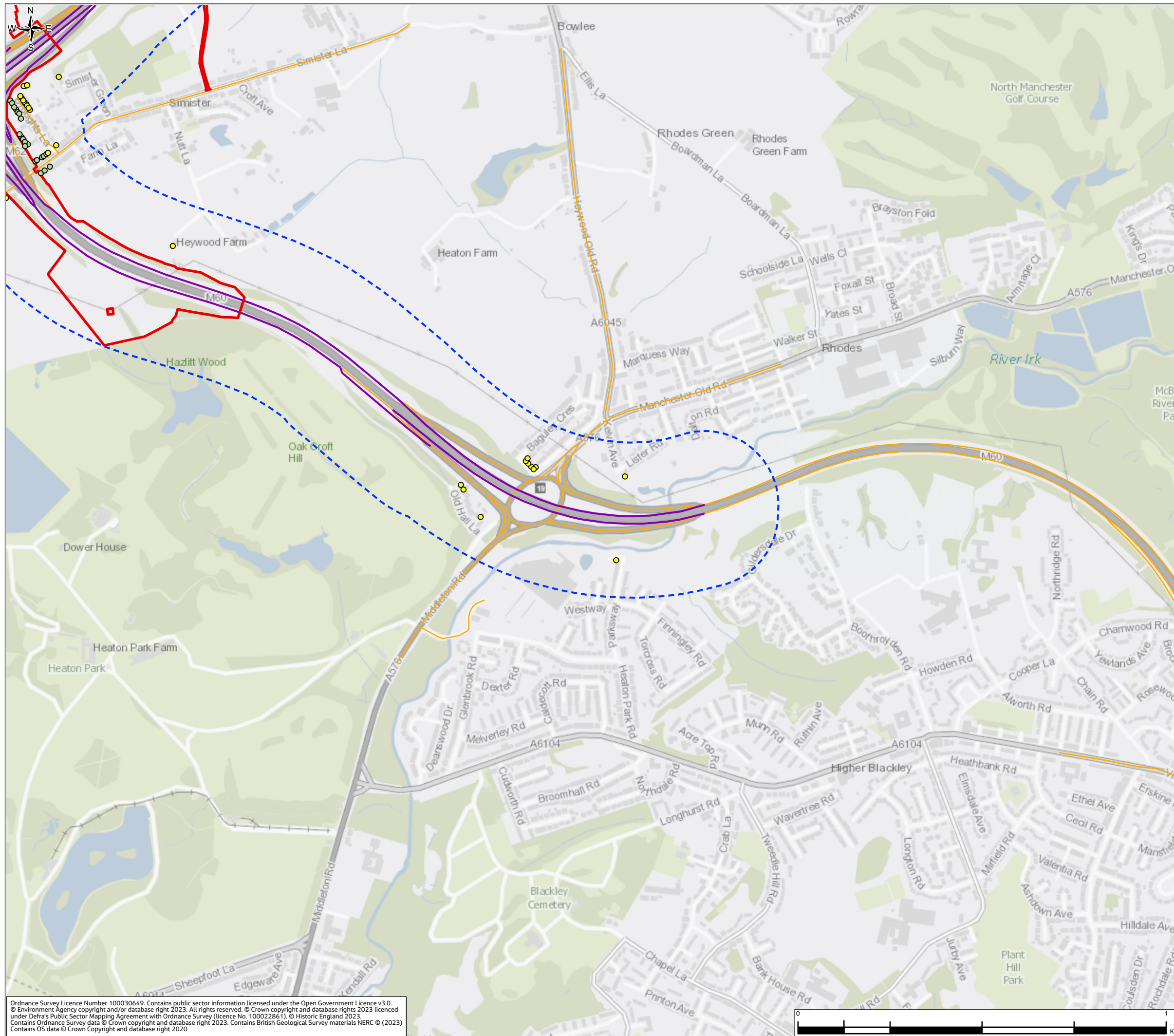


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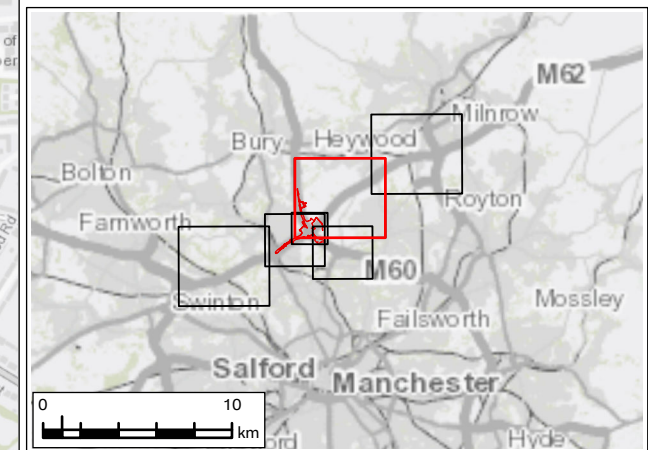
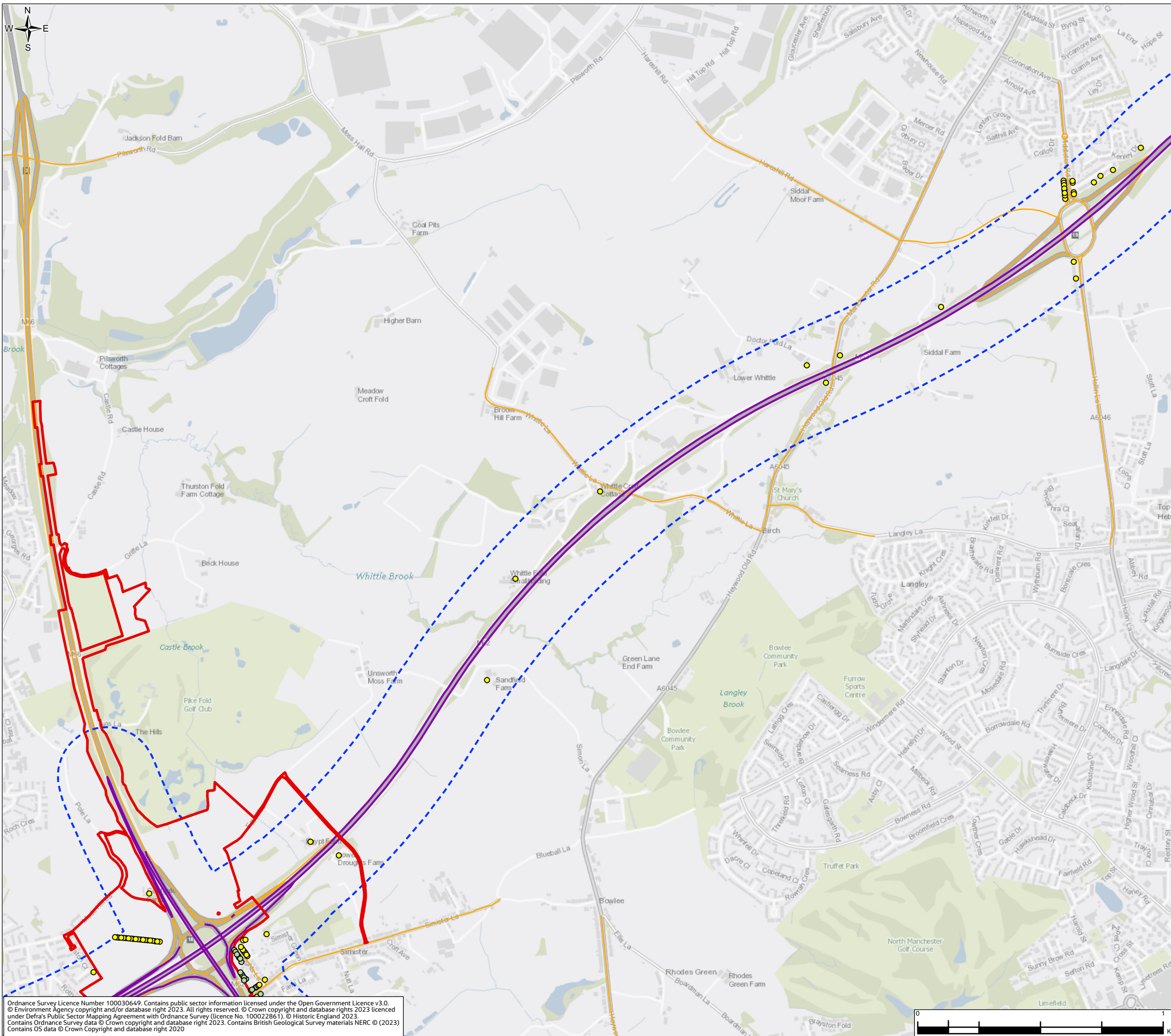
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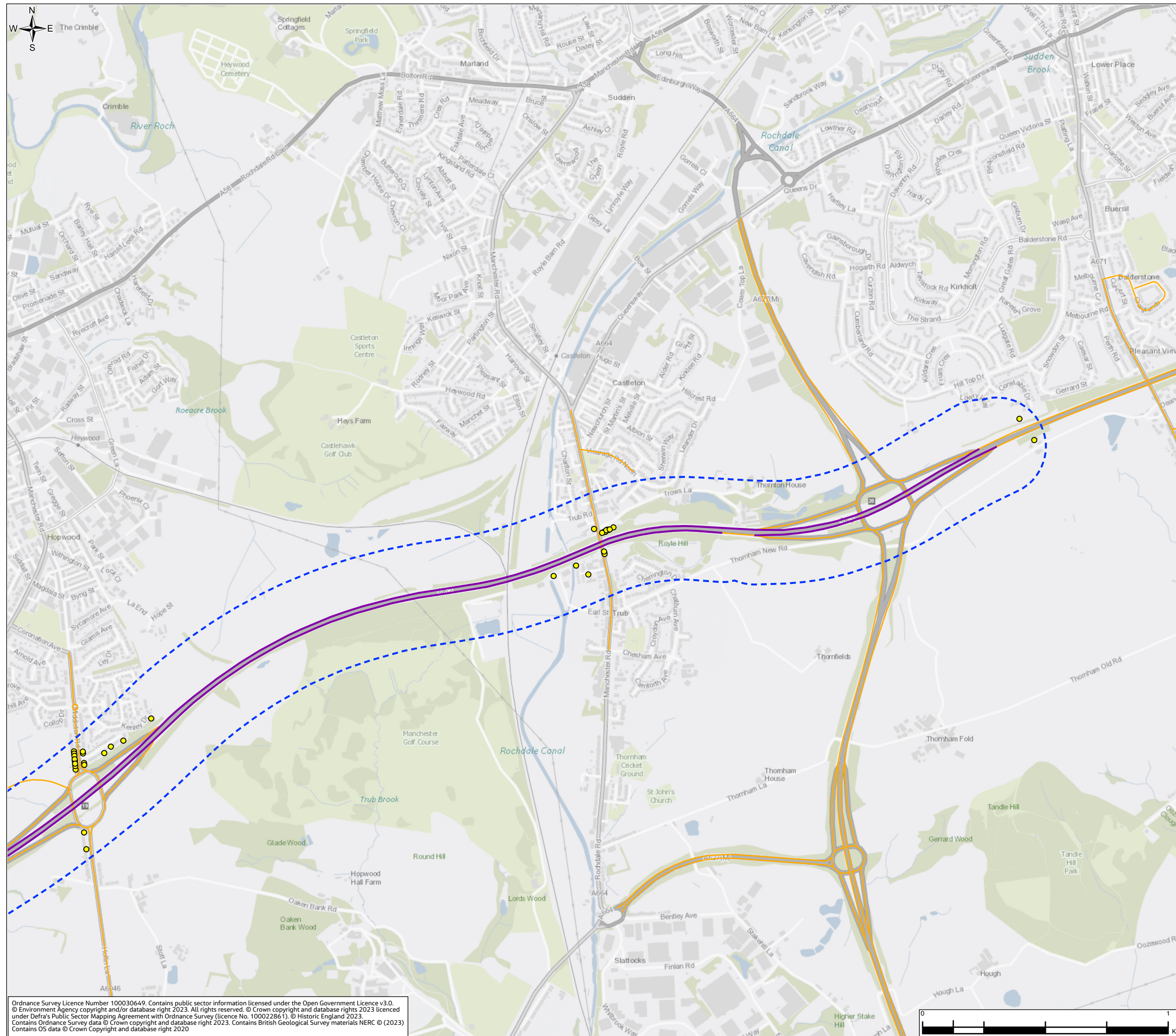
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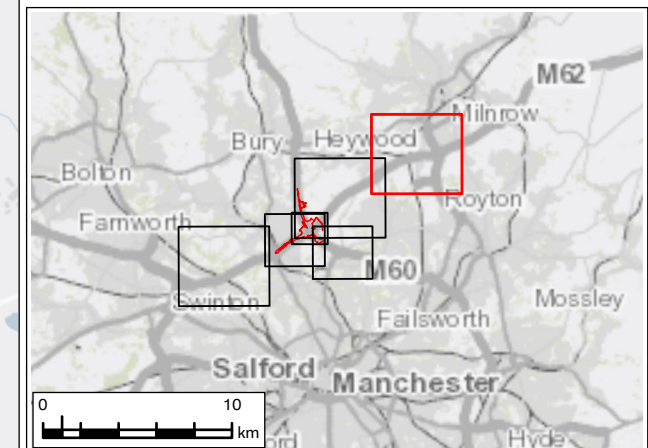
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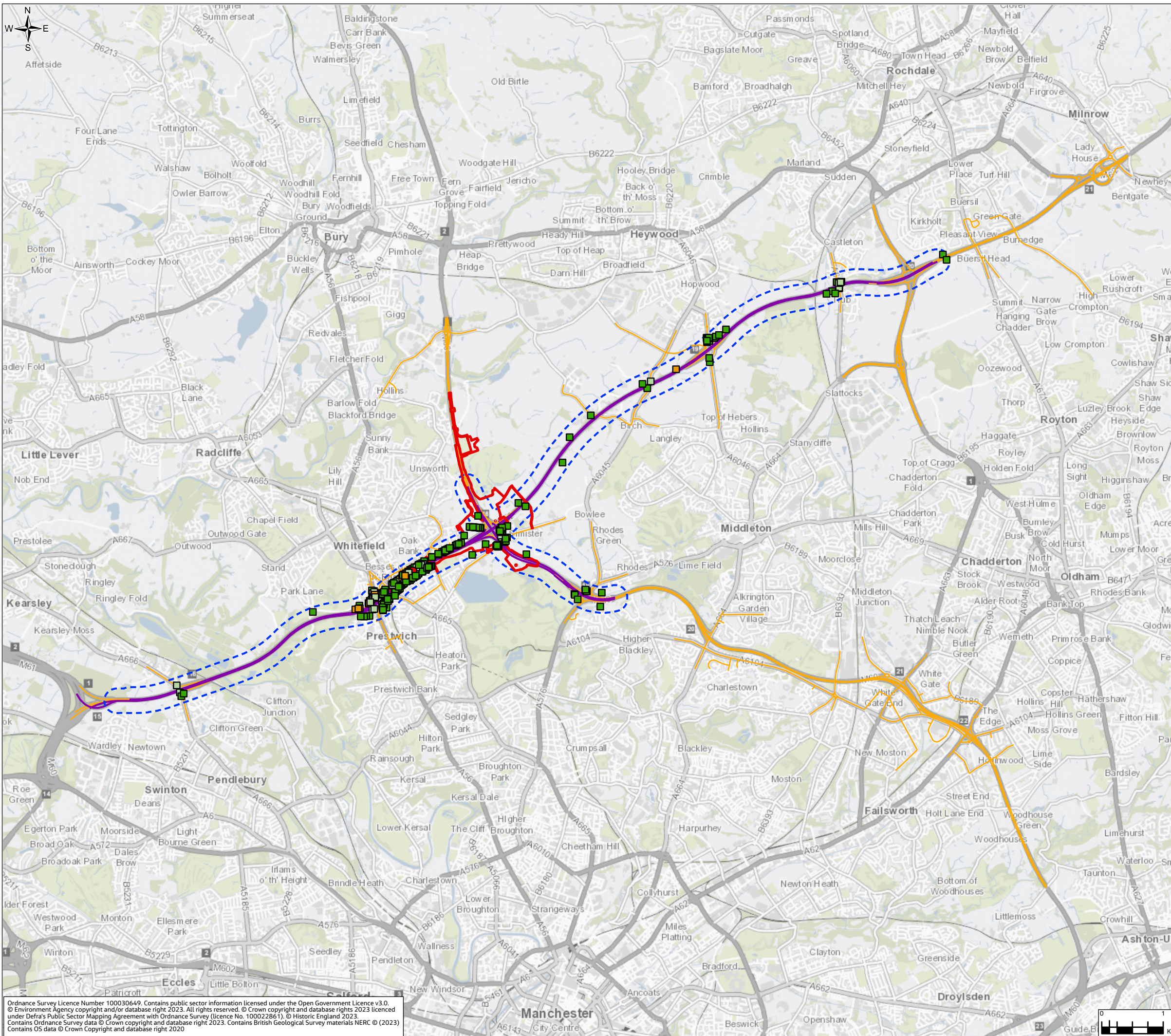
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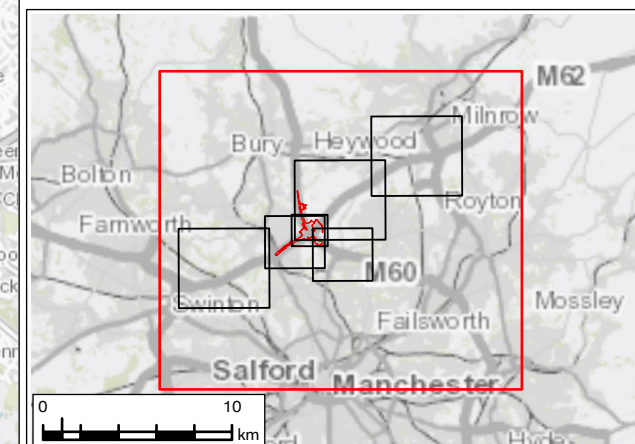
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) NO₂ (DS) (µg/m³))**
- < 30
- 30 - 36
- 36 - 40
- > 40
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SHEET 8 OF 28

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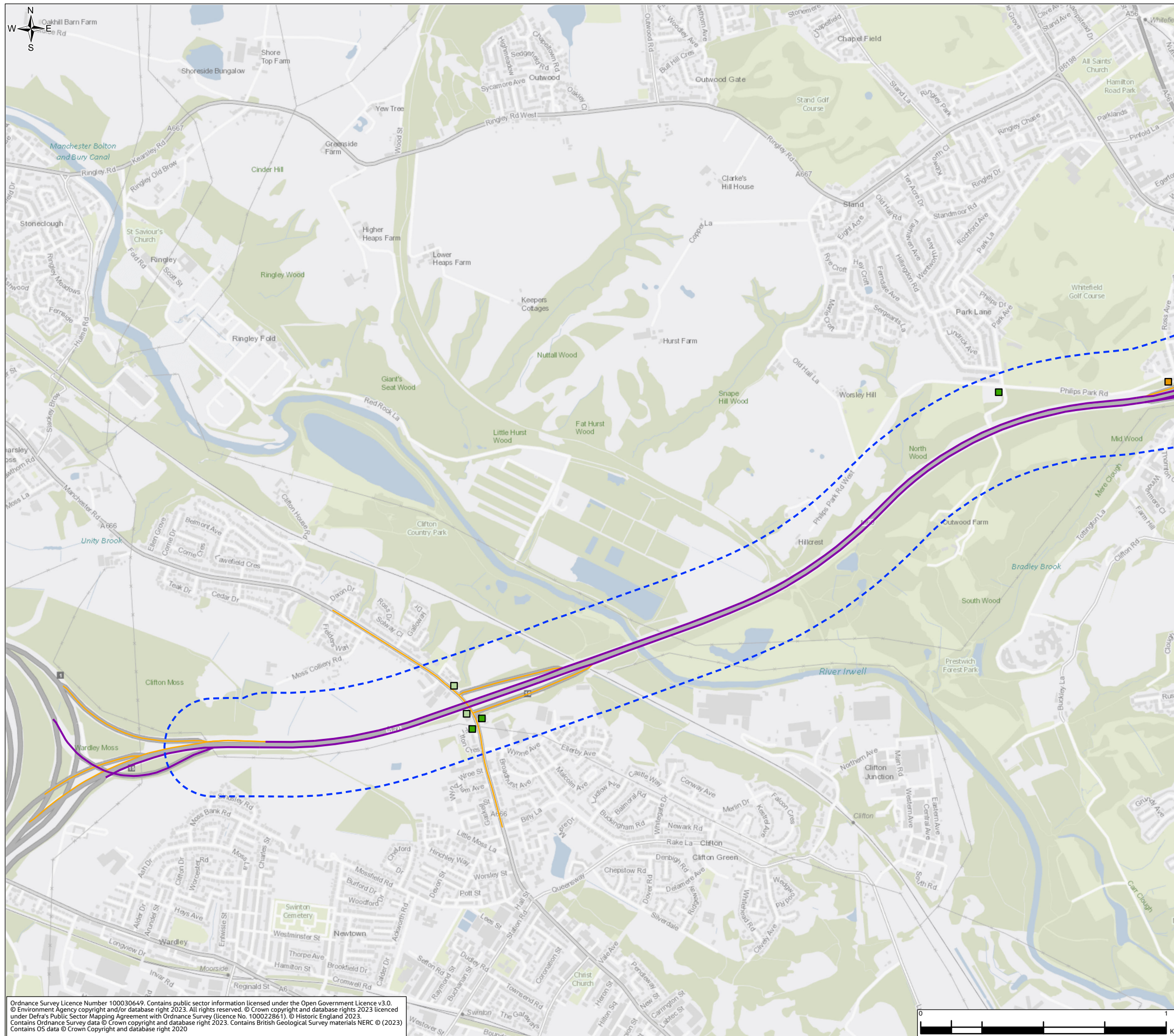
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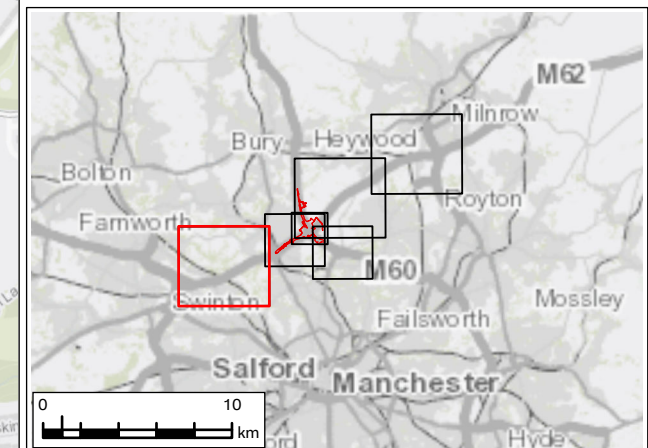
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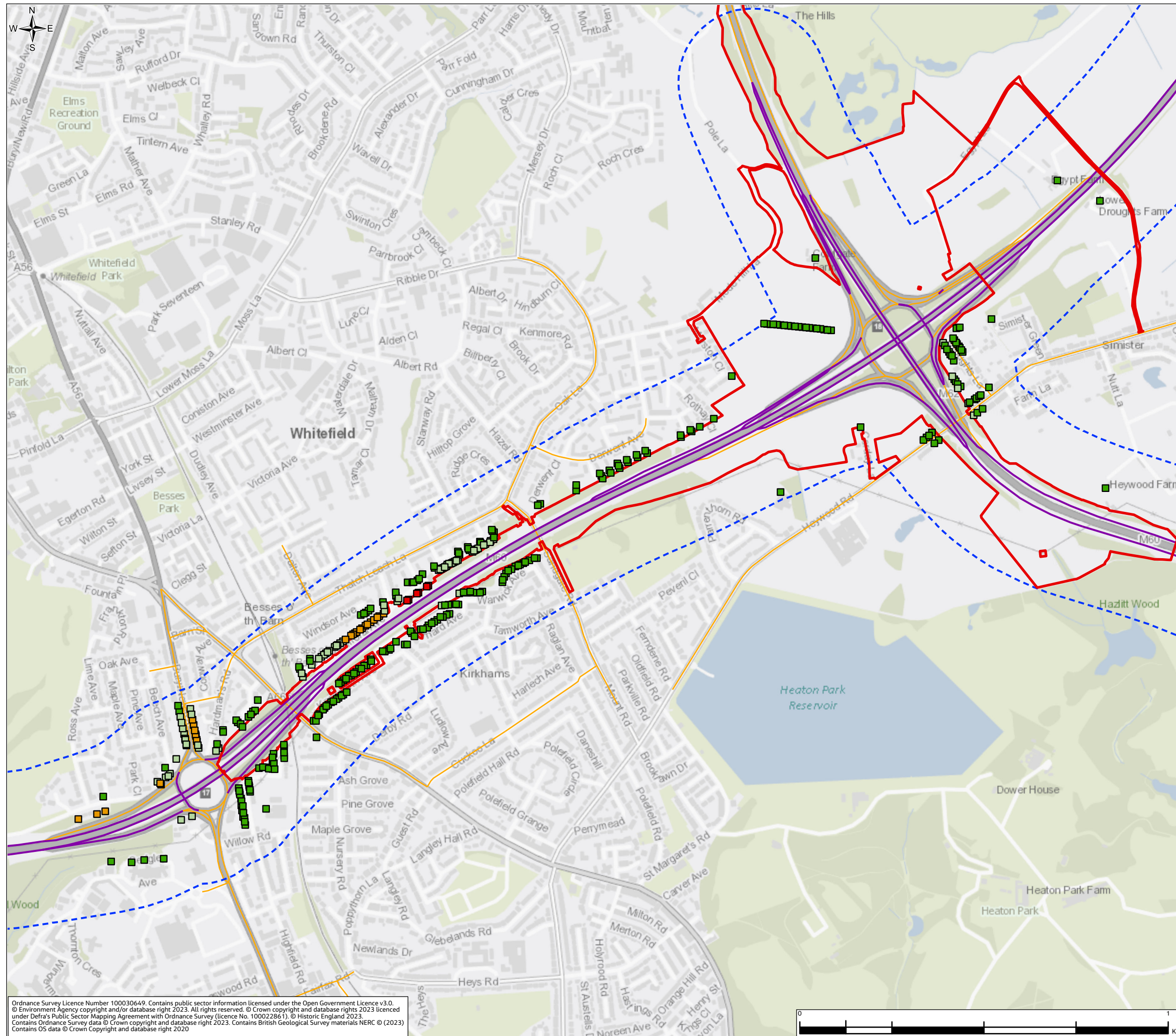
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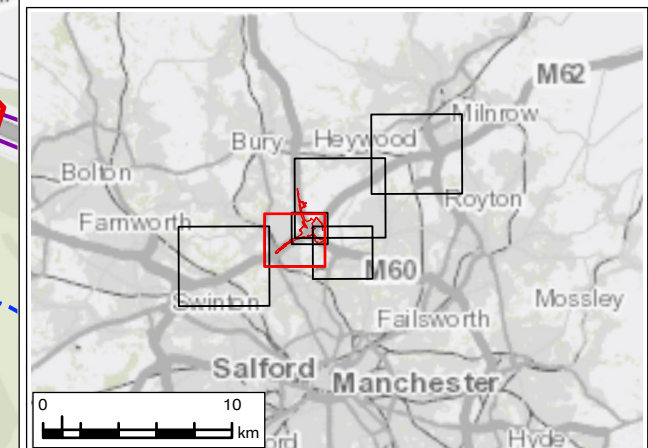
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- Order Limits
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- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) NO₂ (DS) (µg/m³))**
- < 30
- 30 - 36
- 36 - 40
- > 40
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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
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M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title
**ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 10 OF 28**

Drawing Status
S4 – SUITABLE FOR STAGED APPROVAL

Scale @ A3	1:10,000	DO NOT SCALE
Jacobs No.	B36601F0	
Client No.	HE548642	Rev P01

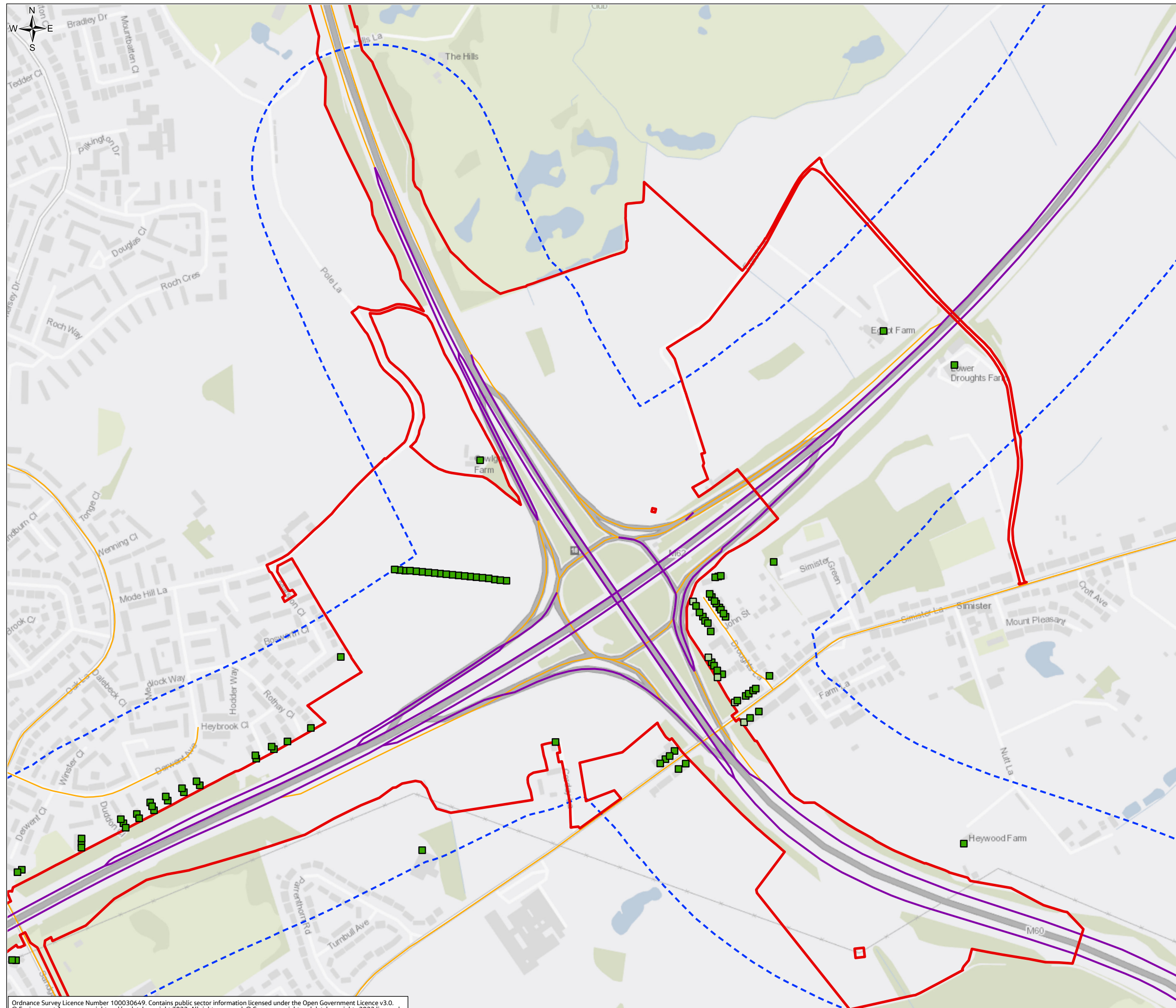
Drawing Number
HE548642-JAC-LDC-SII_MLT-SK-LA-0038

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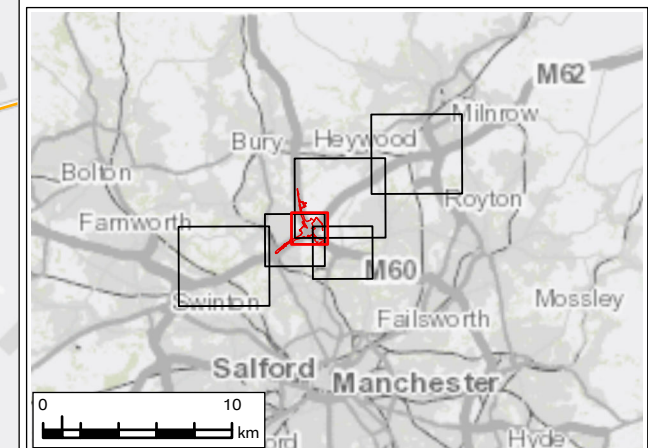


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FIGURE 5.8



- Legend**
- Order Limits
 - Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) NO₂ (DS) (µg/m³))**
- < 30
 - 30 - 36
 - 36 - 40
 - > 40
- Construction 2028 Affected Road Network (ARN)
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P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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Project
**REGIONAL DELIVERY PARTNERSHIP
M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

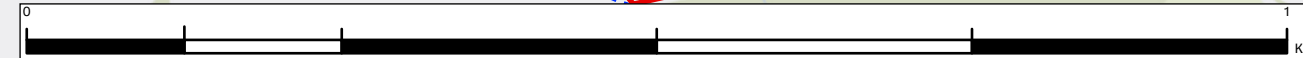
Drawing Title
**ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 11 OF 28**

Drawing Status
S4 – SUITABLE FOR STAGED APPROVAL

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Jacobs No.	B36601F0	
Client No.	HE548642	Rev P01

Drawing Number
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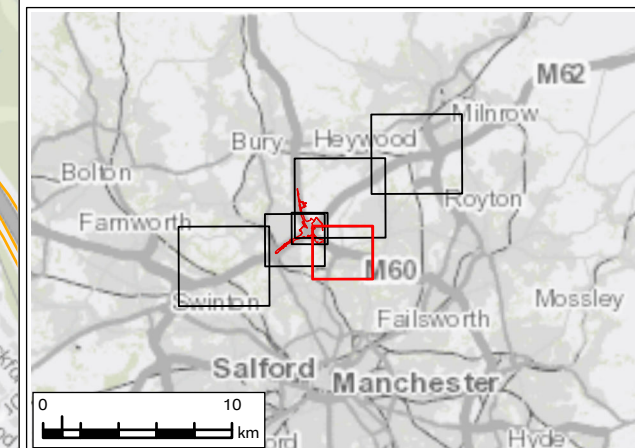
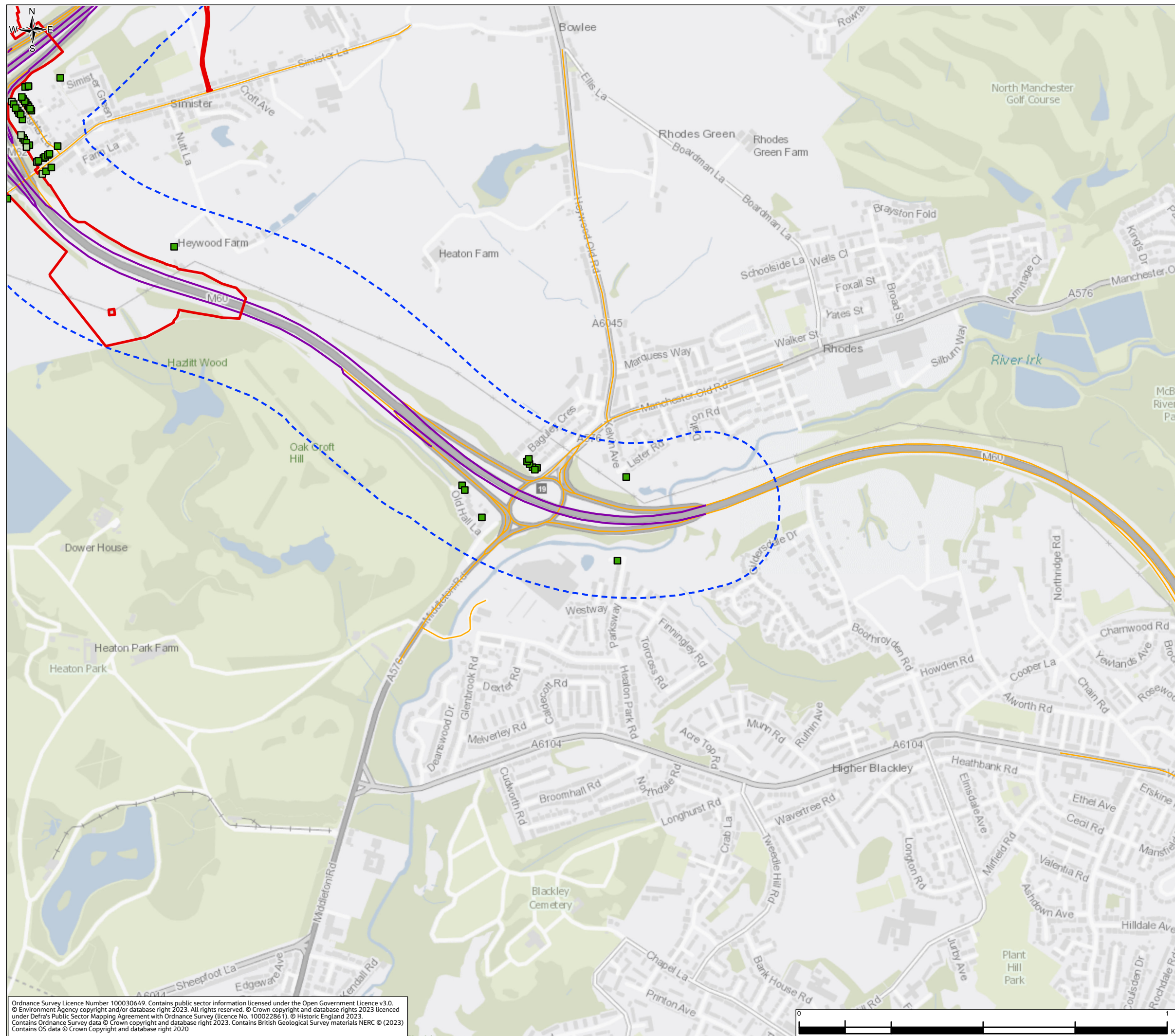


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FIGURE 5.8

Legend

- Order Limits
 - Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) NO₂ (DS) (µg/m³))**
- < 30
 - 30 - 36
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Drawing Title
**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 12 OF 28**

Drawing Status
S4 – SUITABLE FOR STAGED APPROVAL

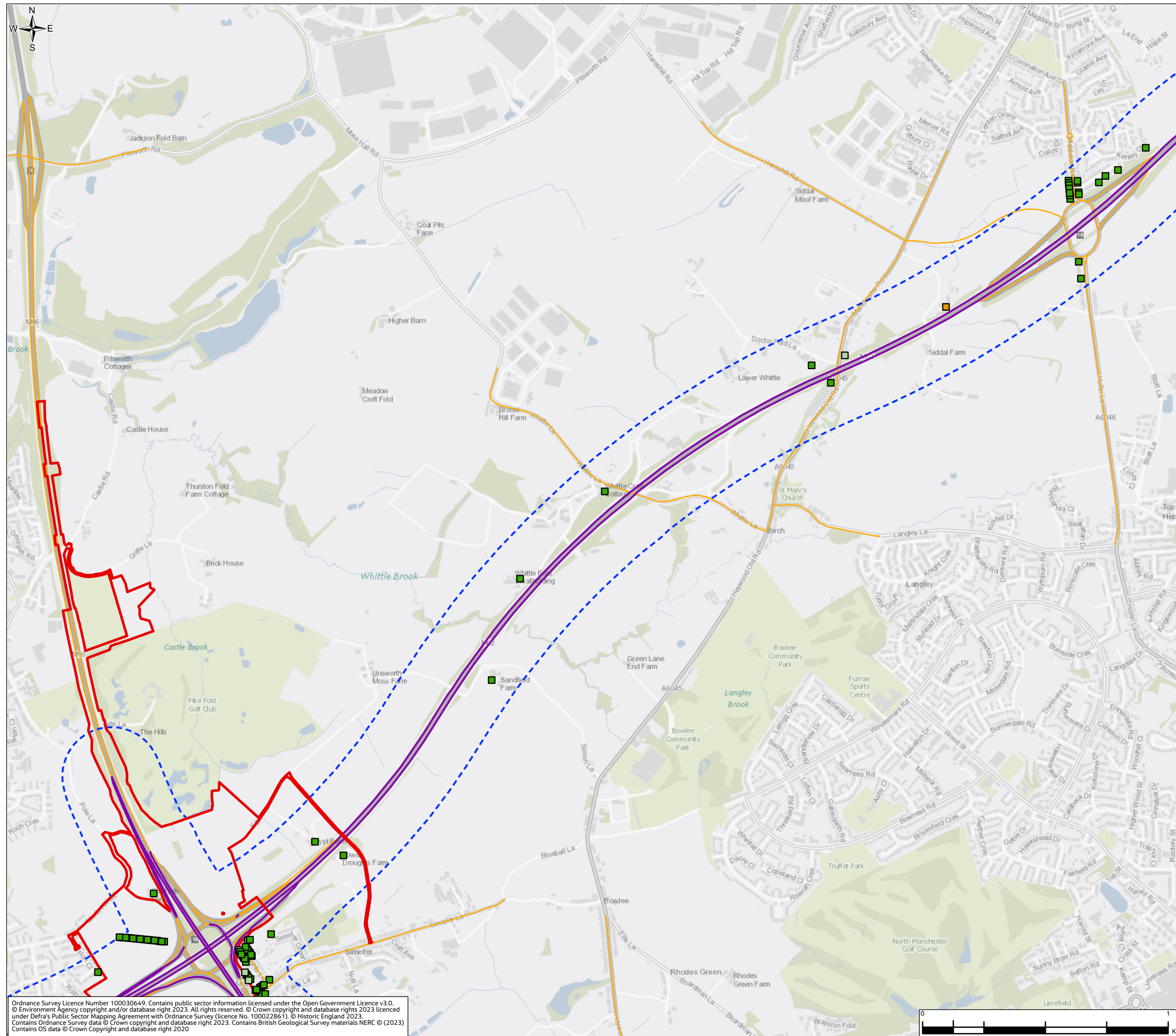
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Client No.	HE548642	Rev P01

Drawing Number
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FIGURE 5.8



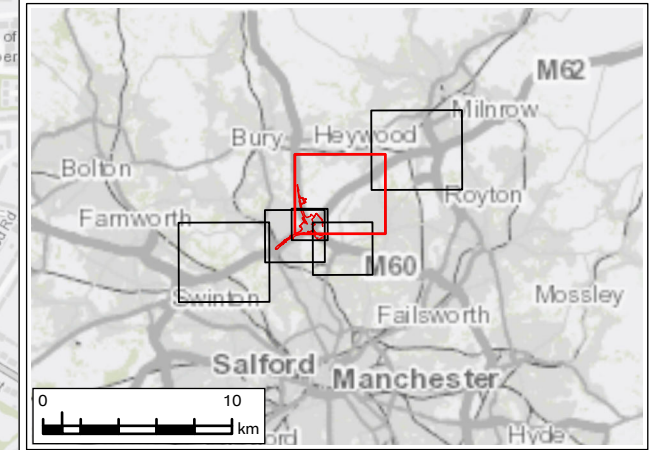
Legend

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

Modelled Construction Human Health Receptors (Absolute Concentrations (2028) NO₂ (DS) (µg/m³))

- < 30
- 30 - 36
- 36 - 40
- > 40

- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Draw	Check'd	Rev'd	Appr'd
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M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title
**ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 13 OF 28**

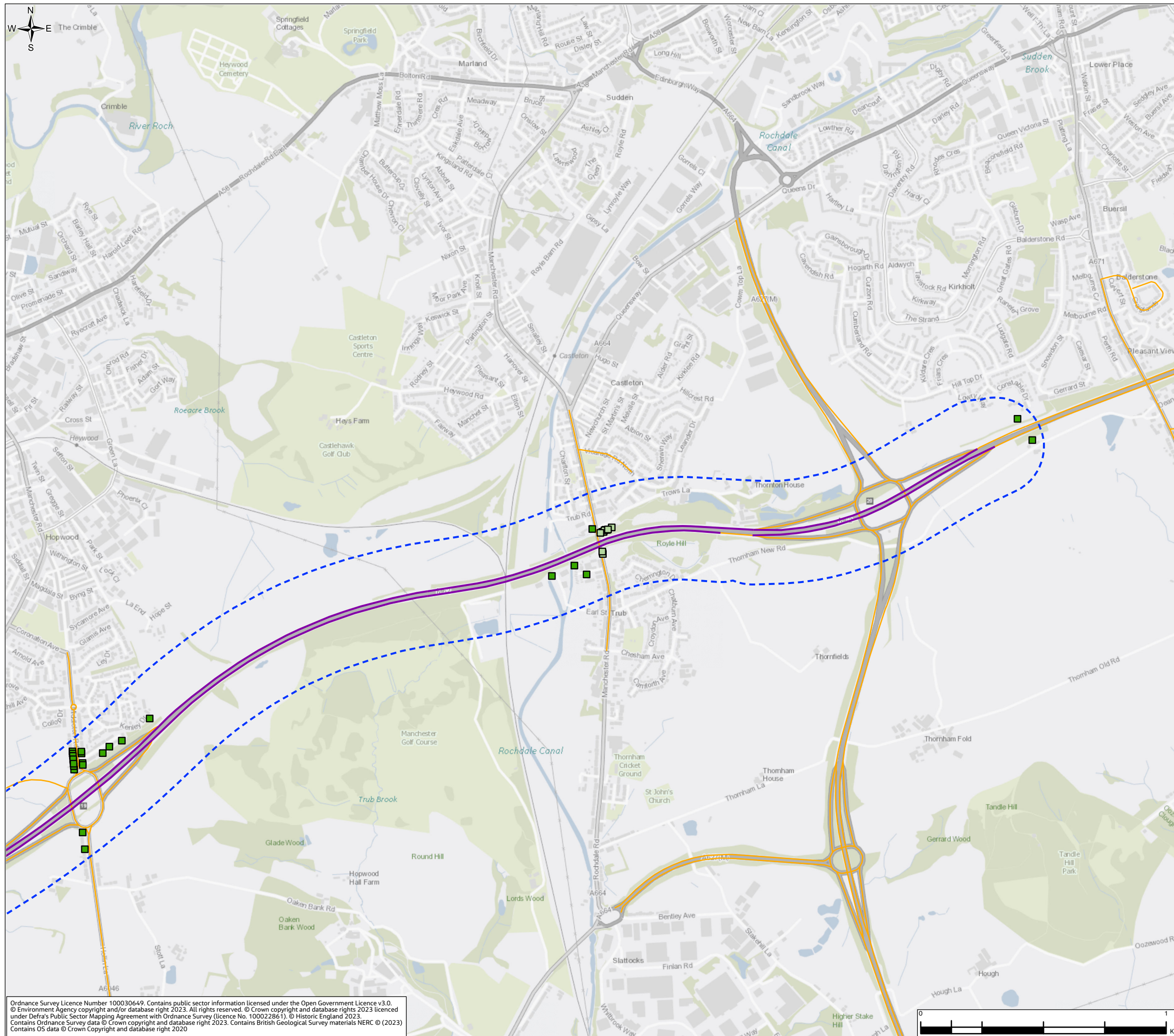
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Jacobs No.	B36601F0	Rev
Client No.	HE548642	P01
Drawing Number	HE548642-JAC-LDC-SII_MLT-SK-LA-0038	

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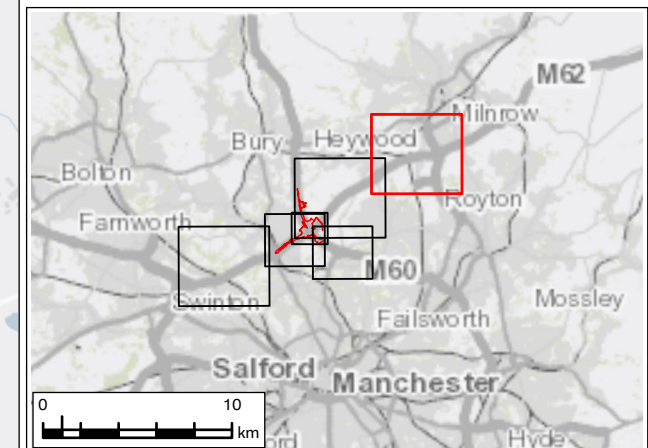
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) NO₂ (DS) (µg/m³))**
- < 30
- 30 - 36
- 36 - 40
- > 40
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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			

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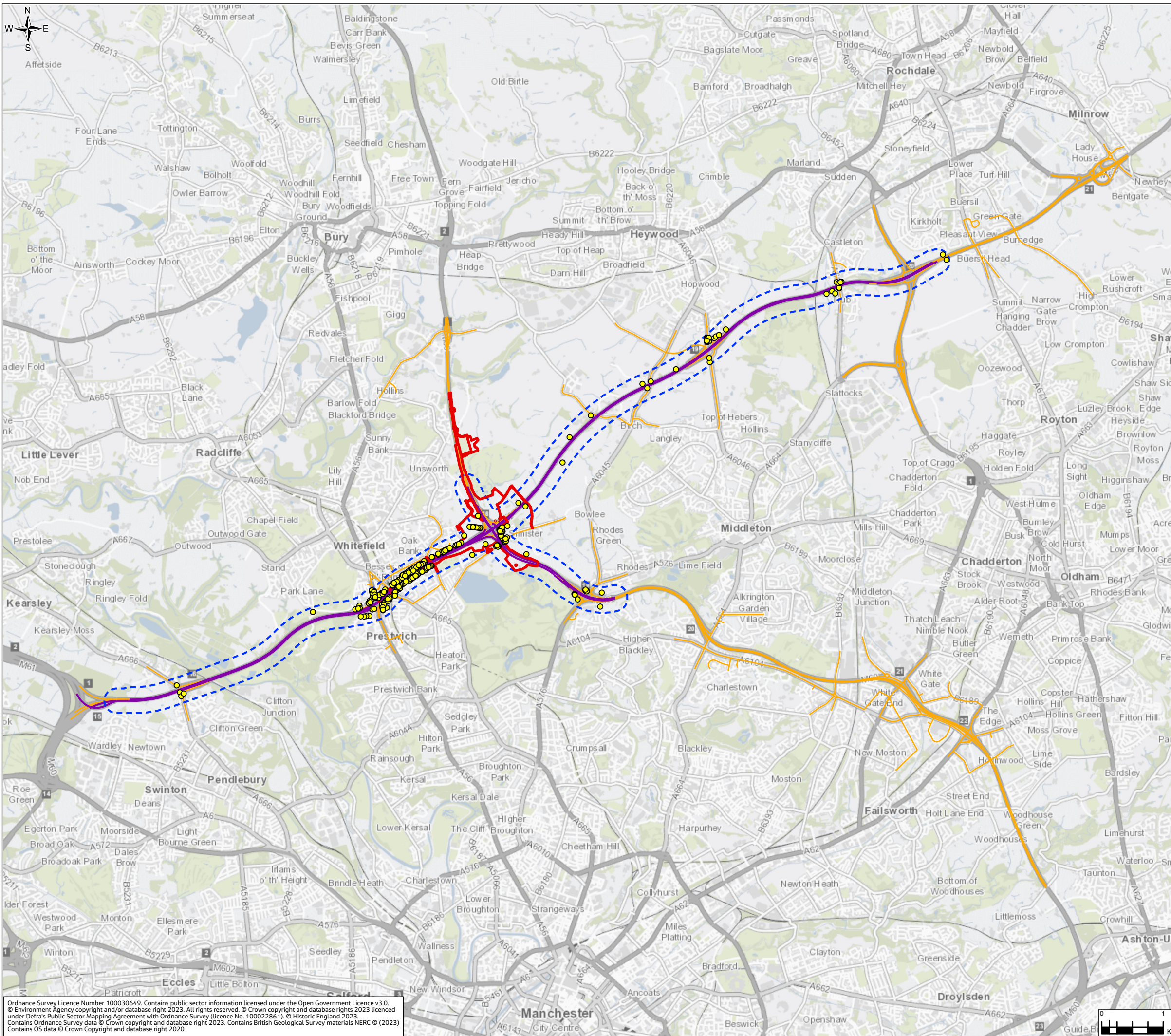
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**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 14 OF 28**

Drawing Status	S4 – SUITABLE FOR STAGED APPROVAL	
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Client No.	HE548642	
Drawing Number	HE548642-JAC-LDC-SII_MLT-SK-LA-0038	

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FIGURE 5.8



Legend

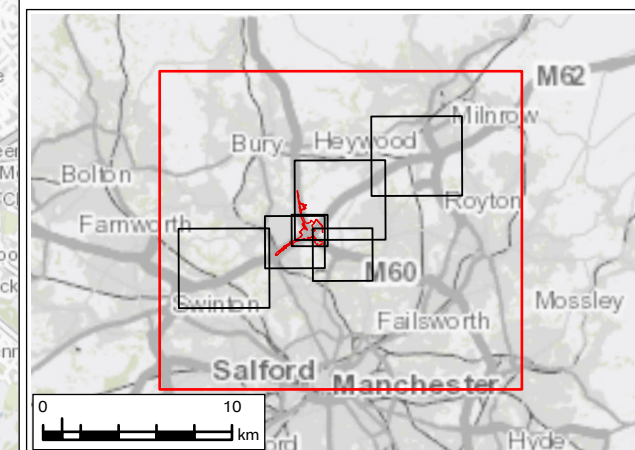
- Order Limits
- Air Quality Construction Study Area (200m)
- Imperceptible (-0.4 - 0.4)
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)

Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))

● Imperceptible (-0.4 - 0.4)

Construction 2028 Affected Road Network (ARN)

Other Modelled Road Links (Construction)



P01	JAN 24	For DCO application	LT	MS	JR	BB
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Drawing Title
**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 15 OF 28**

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

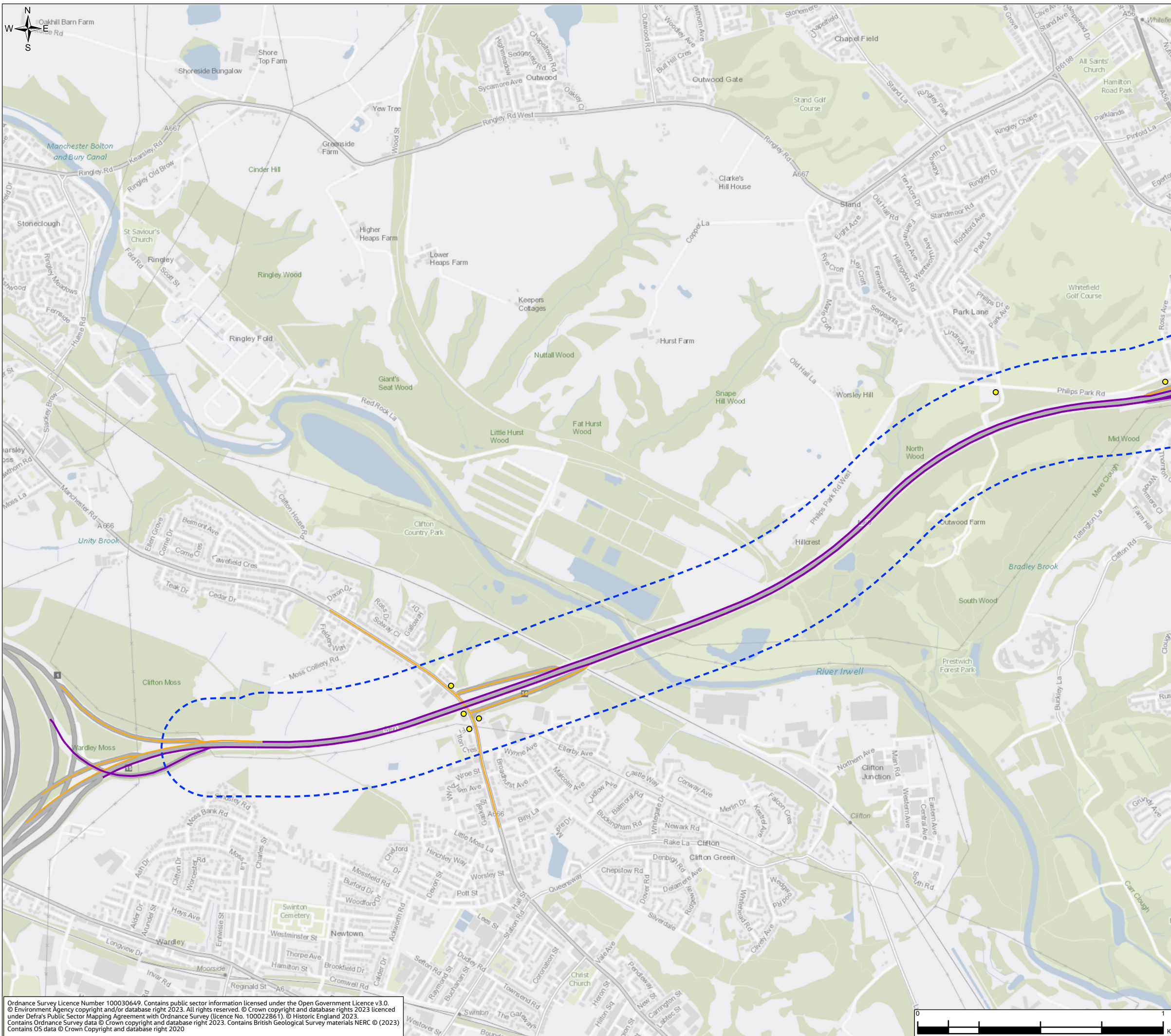
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Client No.	HE548642	Rev P01

Drawing Number: **HE548642-JAC-LDC-SII_MLT-SK-LA-0038**

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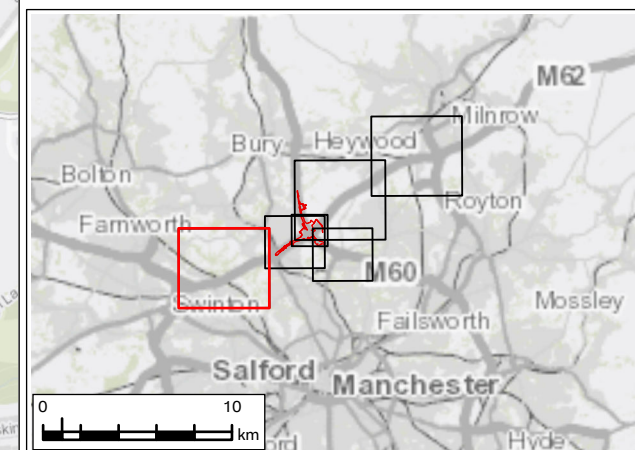
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))
 - Imperceptible (-0.4 - 0.4)
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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**REGIONAL DELIVERY PARTNERSHIP
 M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

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**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 16 OF 28**

Drawing Status	S4 – SUITABLE FOR STAGED APPROVAL	
Scale @ A3	1:15,000	DO NOT SCALE
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Client No.	HE548642	
Drawing Number	HE548642-JAC-LDC-SII_MLT-SK-LA-0038	

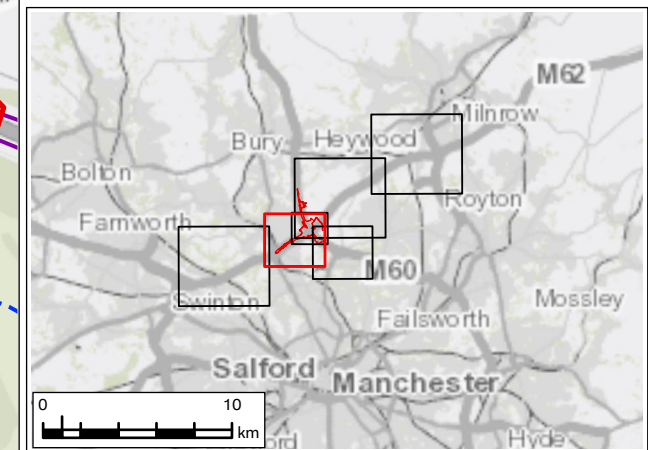
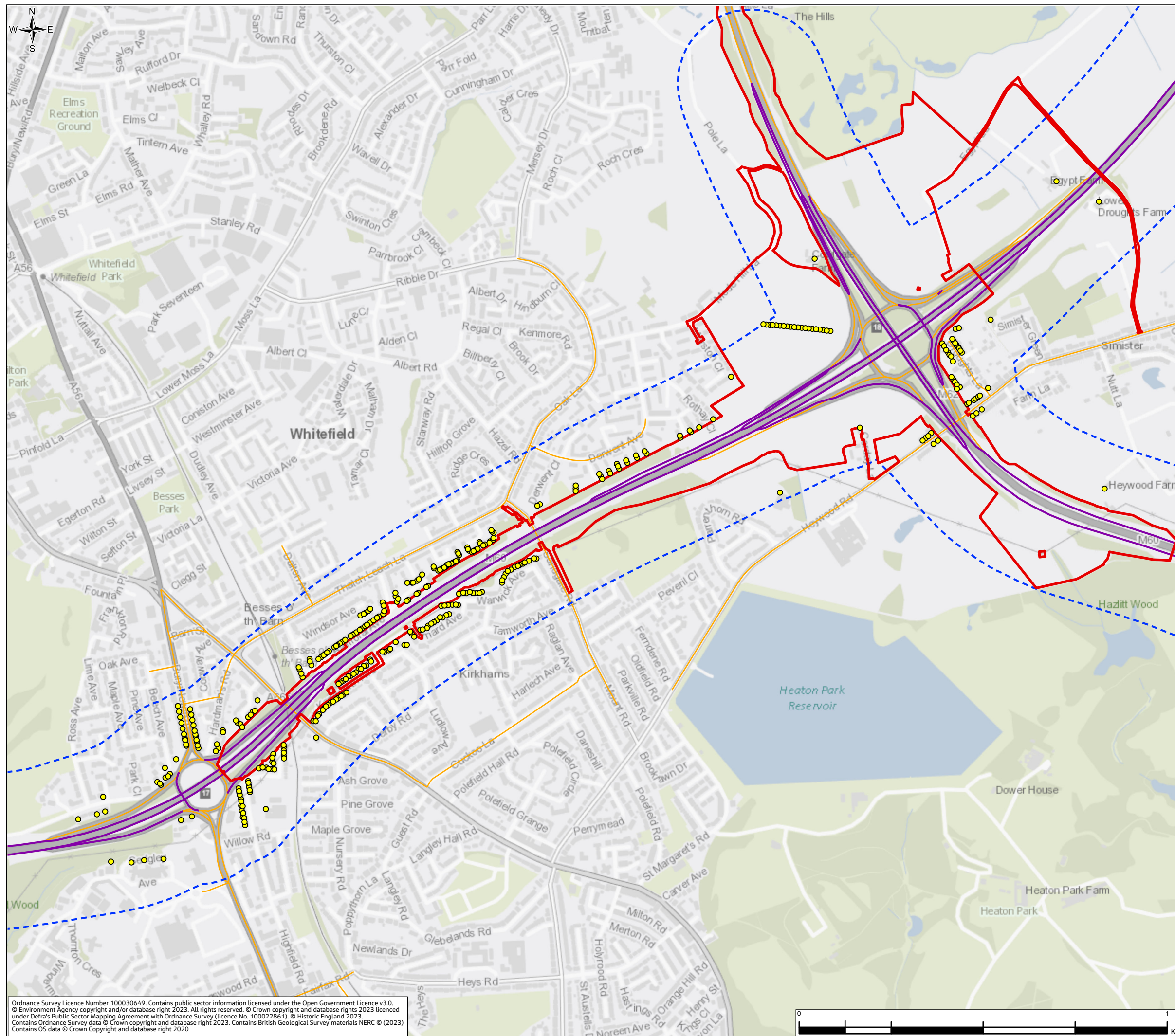
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FIGURE 5.8

Legend

- ▭ Order Limits
- - - Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))**
- Imperceptible (-0.4 - 0.4)
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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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			

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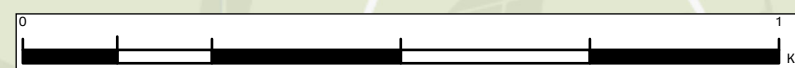
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**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 17 OF 28**

Drawing Status
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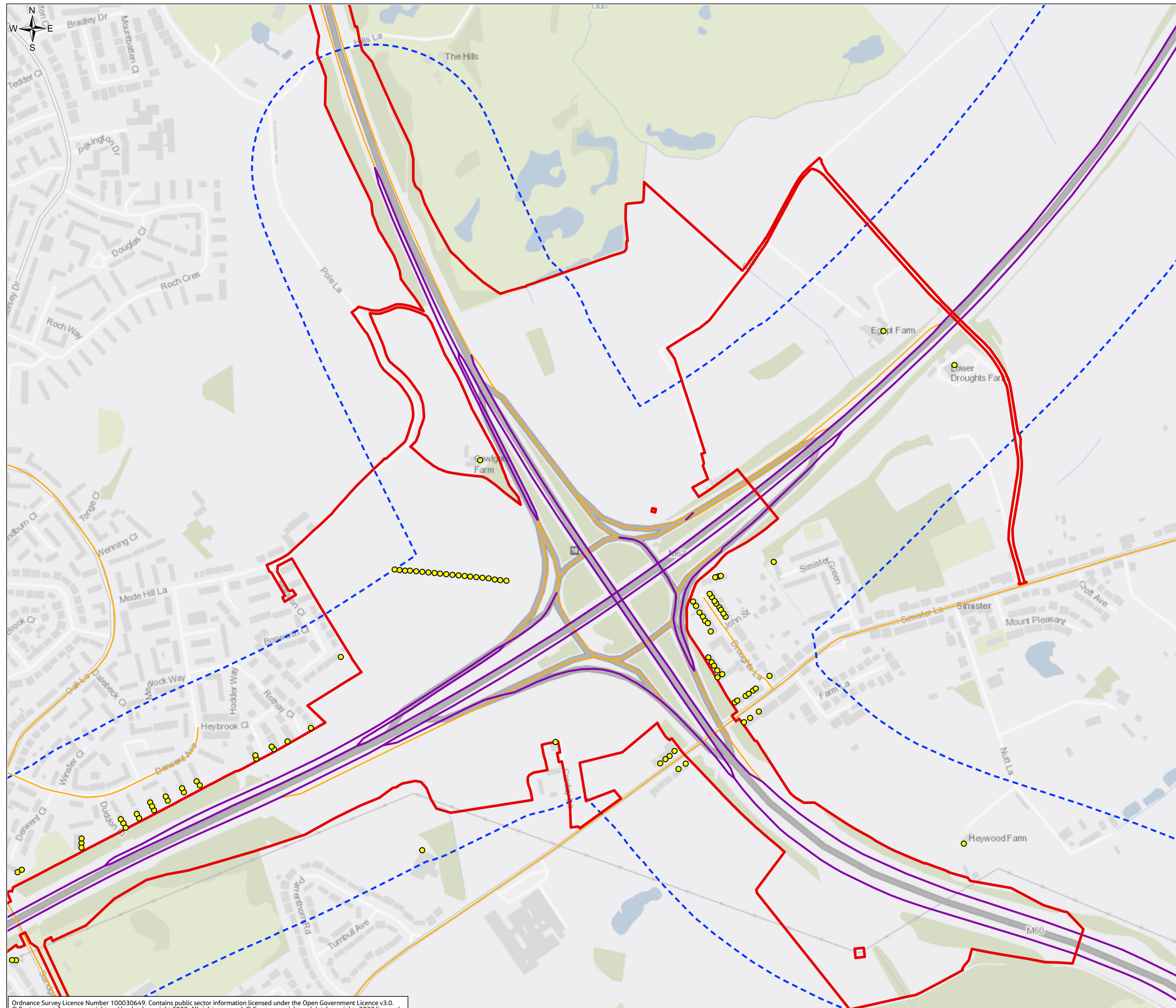
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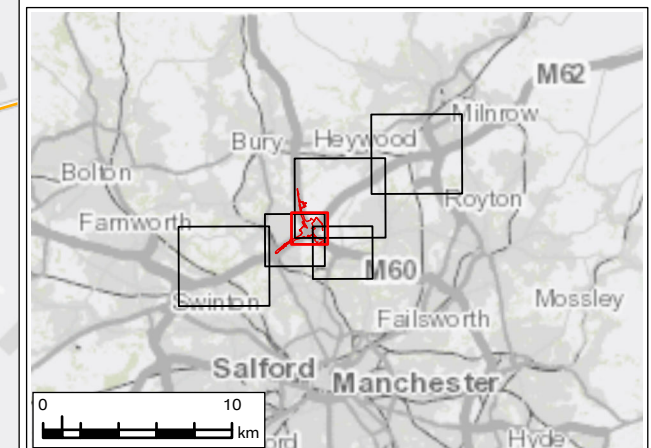
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))
 - Imperceptible (-0.4 - 0.4)
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P01	JAN 24	For DCO application	LT	MS	JR	BB
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**REGIONAL DELIVERY PARTNERSHIP
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Drawing Title
**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 18 OF 28**

Drawing Status
S4 – SUITABLE FOR STAGED APPROVAL

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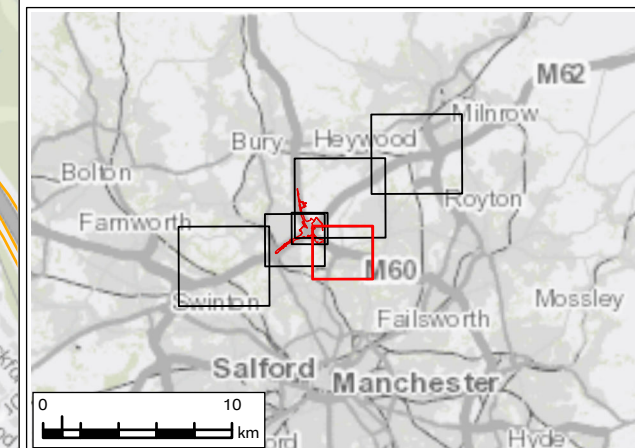
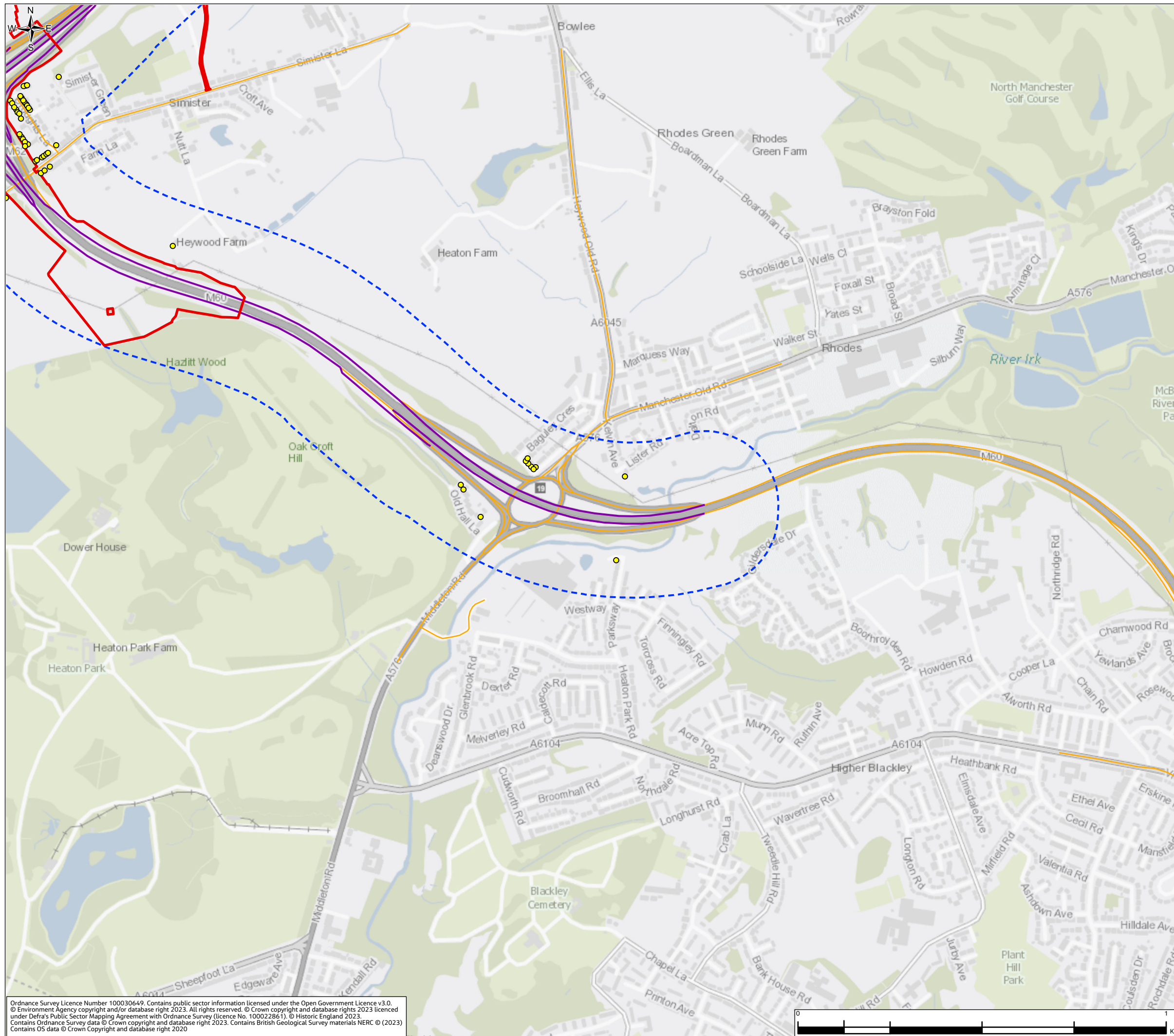


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FIGURE 5.8

Legend

- ▭ Order Limits
- - - Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))**
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P01	JAN 24	For DCO application	LT	MS	JR	BB
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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**REGIONAL DELIVERY PARTNERSHIP
 M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title
**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 19 OF 28**

Drawing Status
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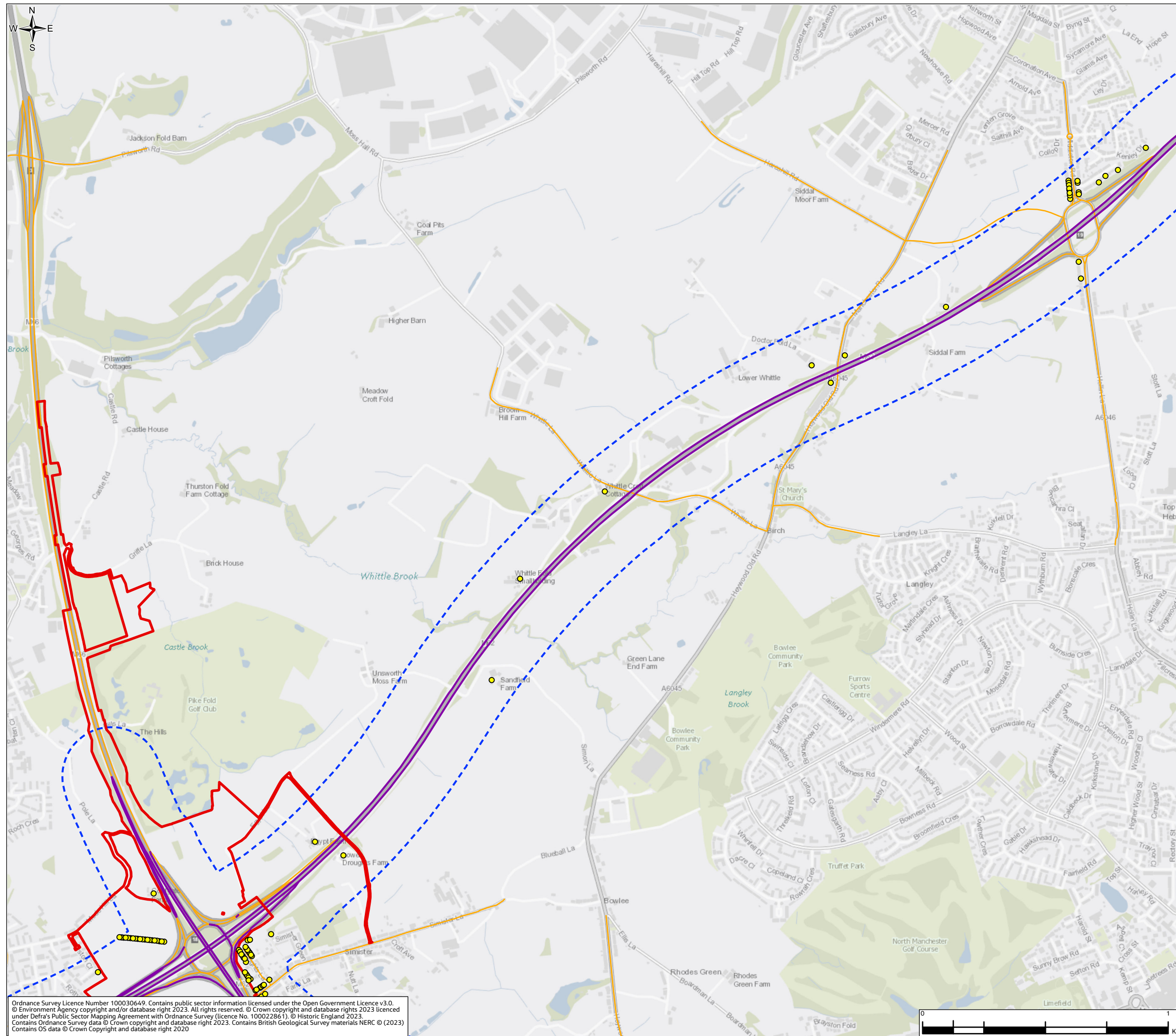
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Drawing Number
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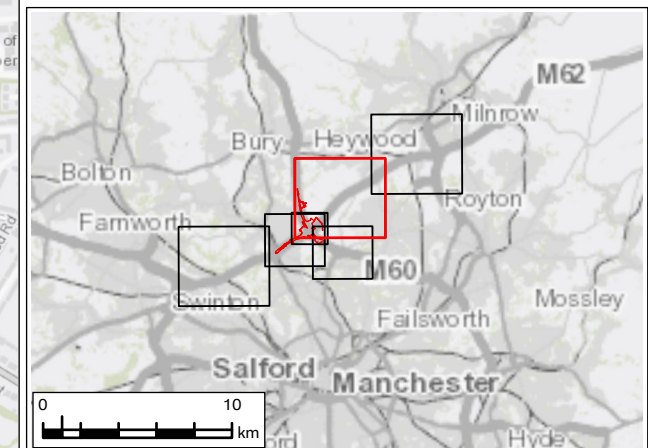
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))
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**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 20 OF 28**

Drawing Status
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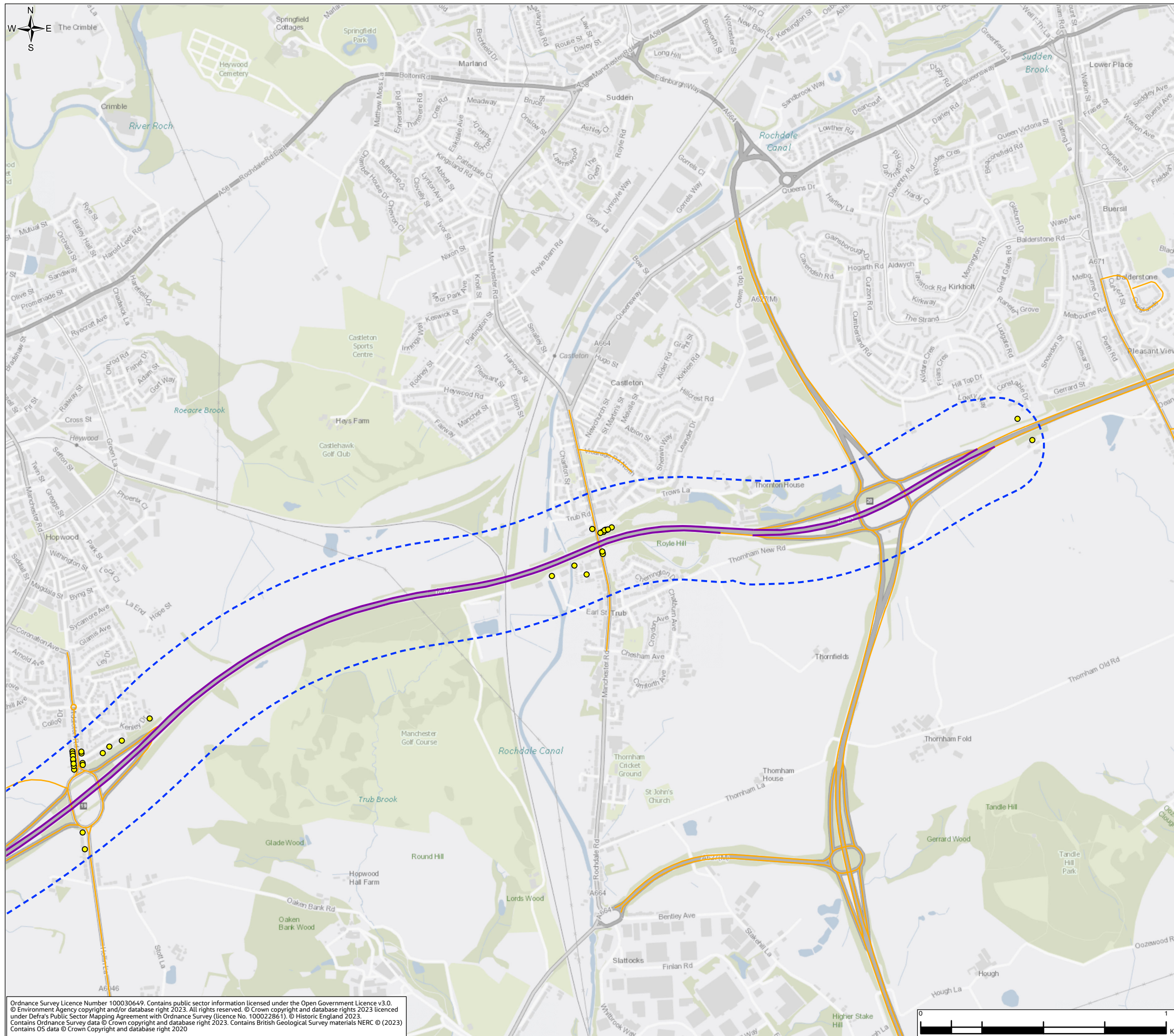
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Client No.	HE548642	P01

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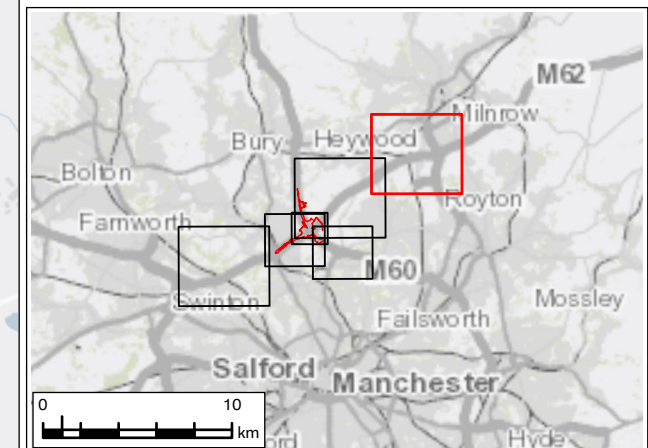
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Construction Year (2028) PM₁₀ (DS-DM) (µg/m³))**
 - Imperceptible (-0.4 - 0.4)
 - Construction 2028 Affected Road Network (ARN)
 - Other Modelled Road Links (Construction)



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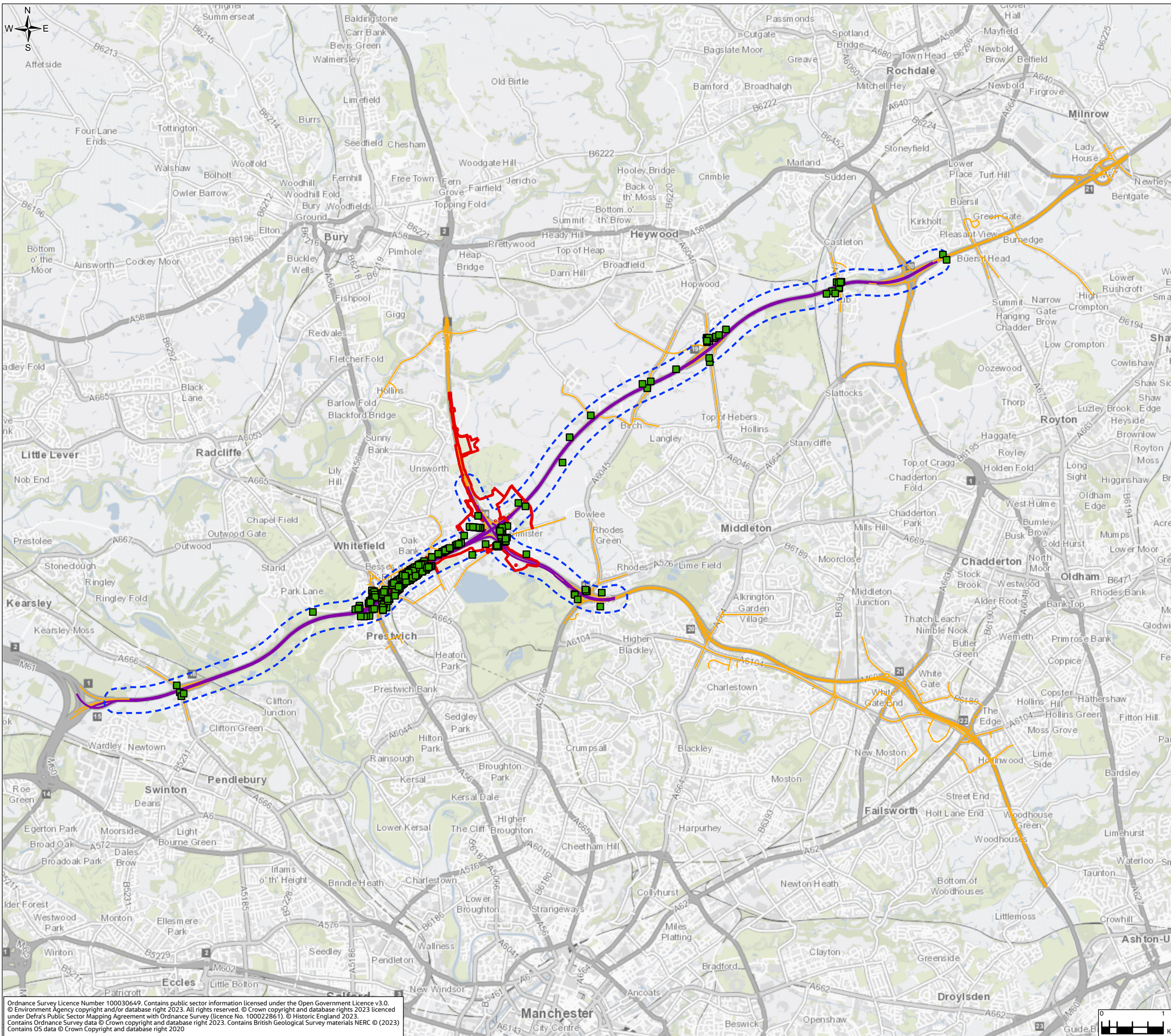
Drawing Title
**ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 21 OF 28**

Drawing Status	S4 – SUITABLE FOR STAGED APPROVAL	
Scale @ A3	1:15,000	DO NOT SCALE
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Client No.	HE548642	
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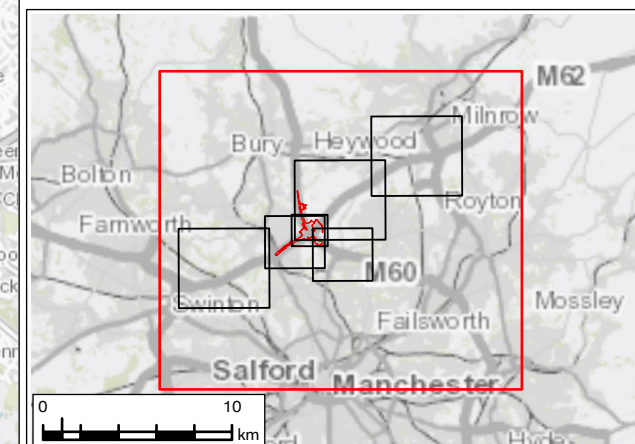
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))
 - < 30
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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			



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ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 22 OF 28

Drawing Status
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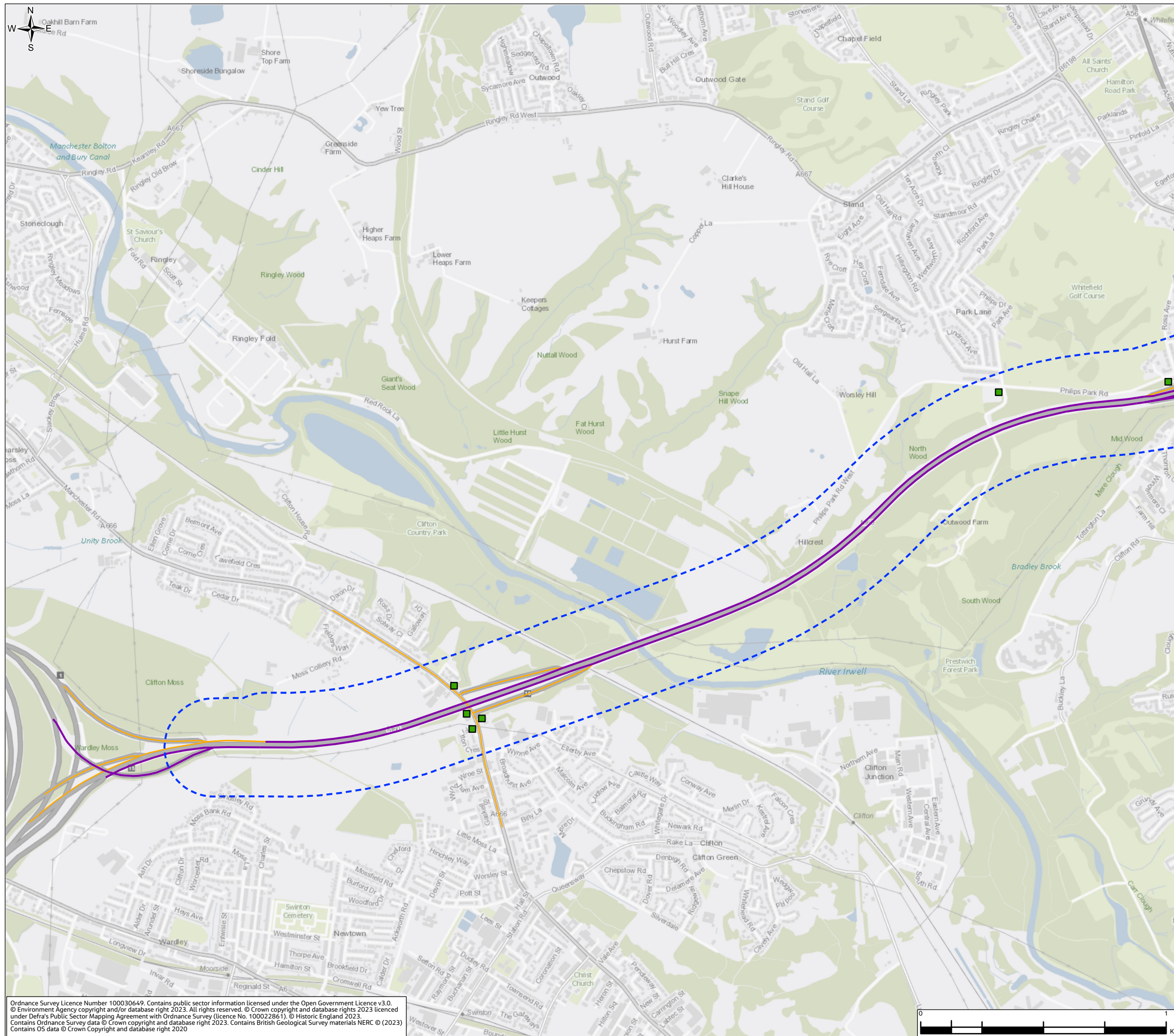
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Client No.	HE548642	Rev P01

Drawing Number
HE548642-JAC-LDC-SII_MLT-SK-LA-0038

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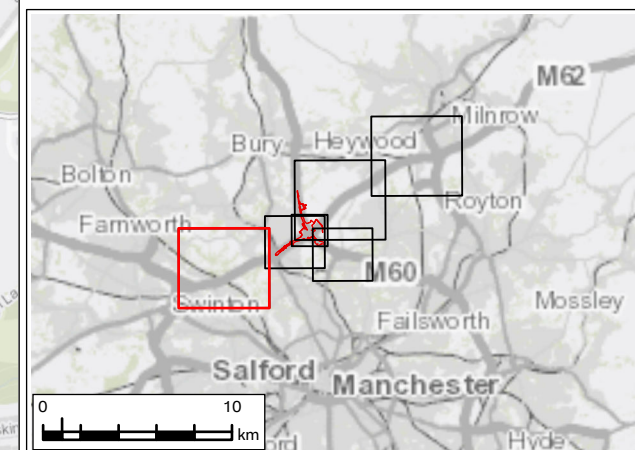
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))**
- < 30
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			

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Drawing Title
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 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 23 OF 28**

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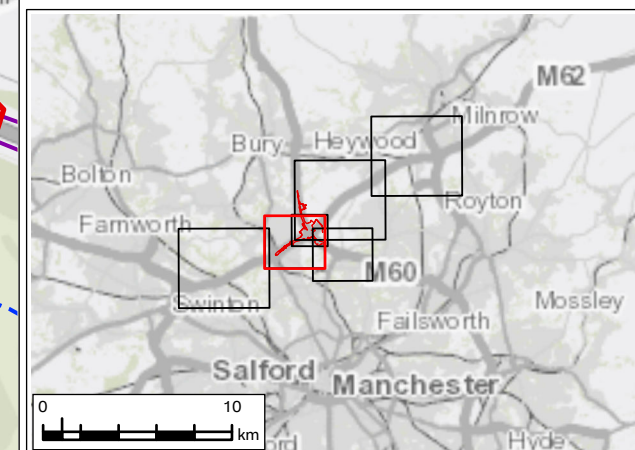
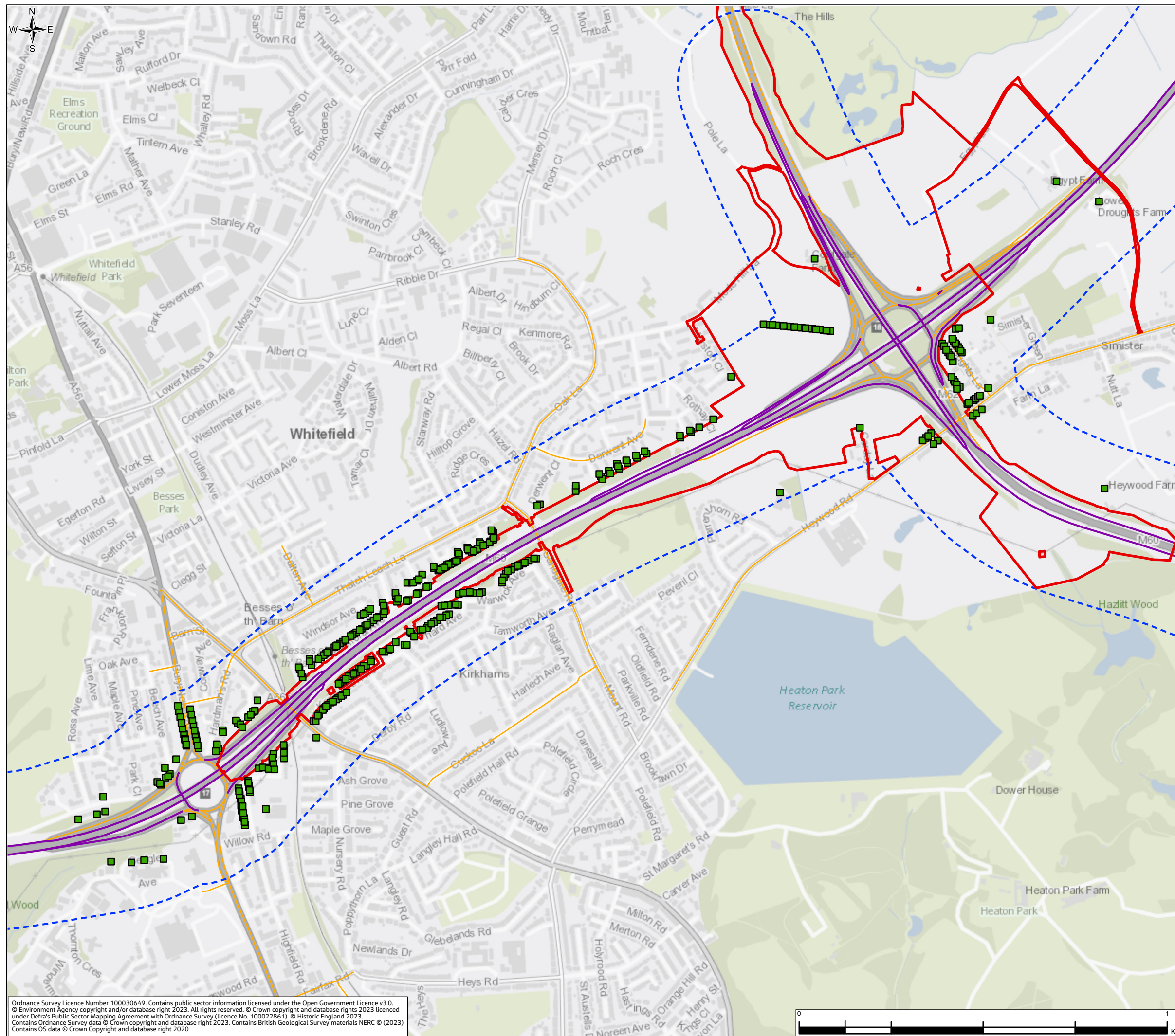
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FIGURE 5.8

Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))**
- < 30
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

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CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 24 OF 28**

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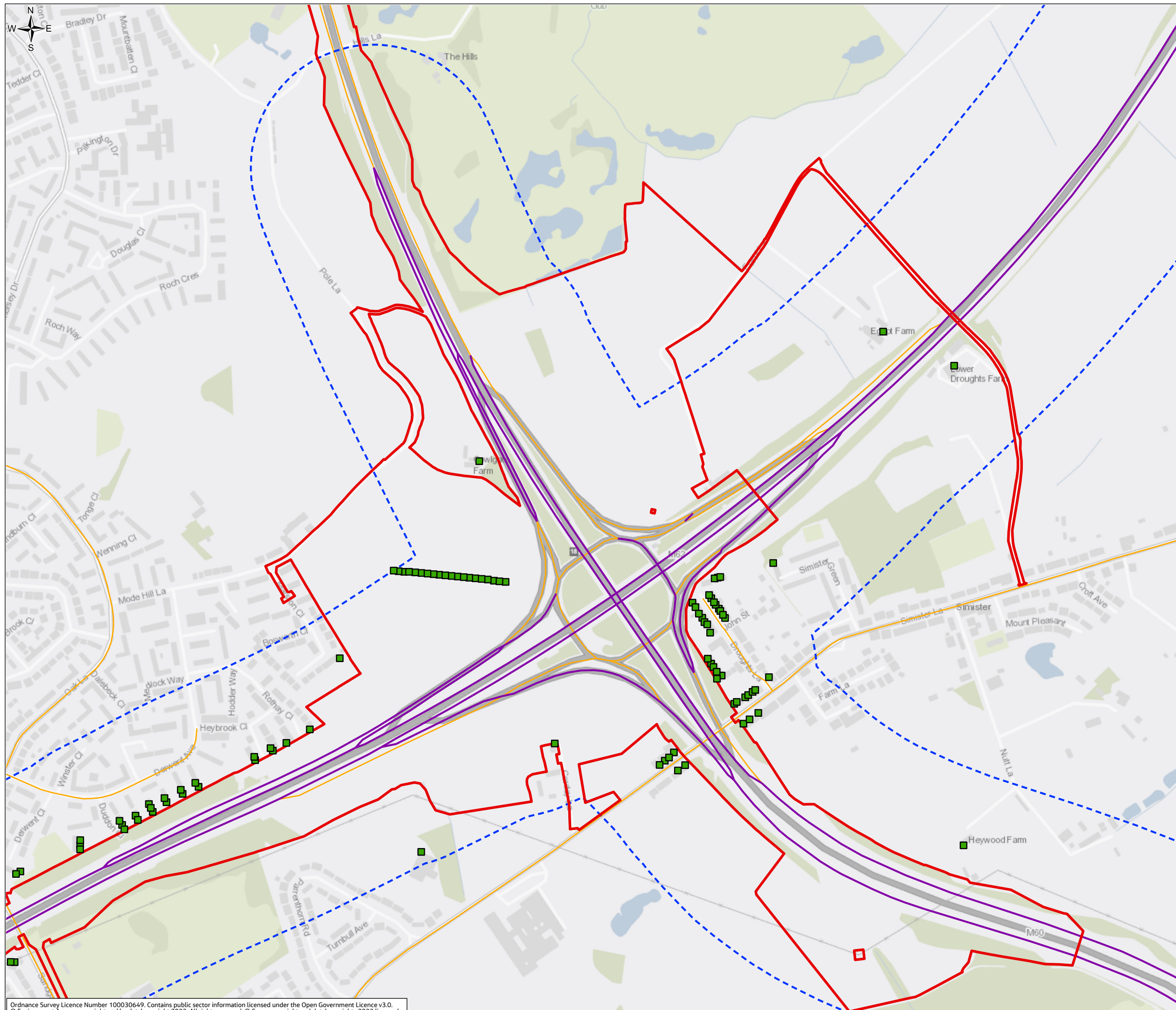
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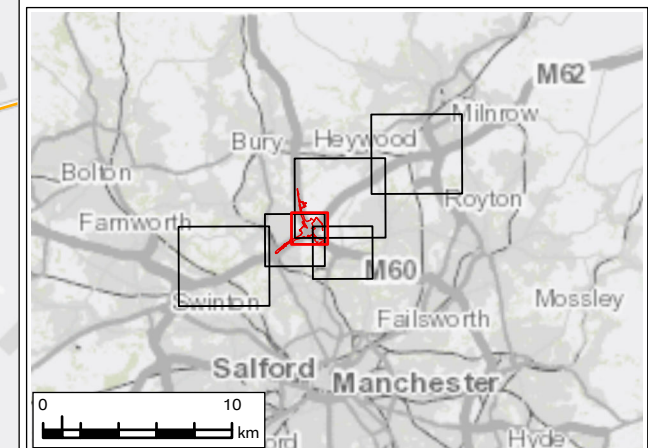


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FIGURE 5.8



- Legend**
- Order Limits
 - Air Quality Construction Study Area (200m)
 - Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))
 - < 30
 - Construction 2028 Affected Road Network (ARN)
 - Other Modelled Road Links (Construction)



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M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title
**ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 25 OF 28**

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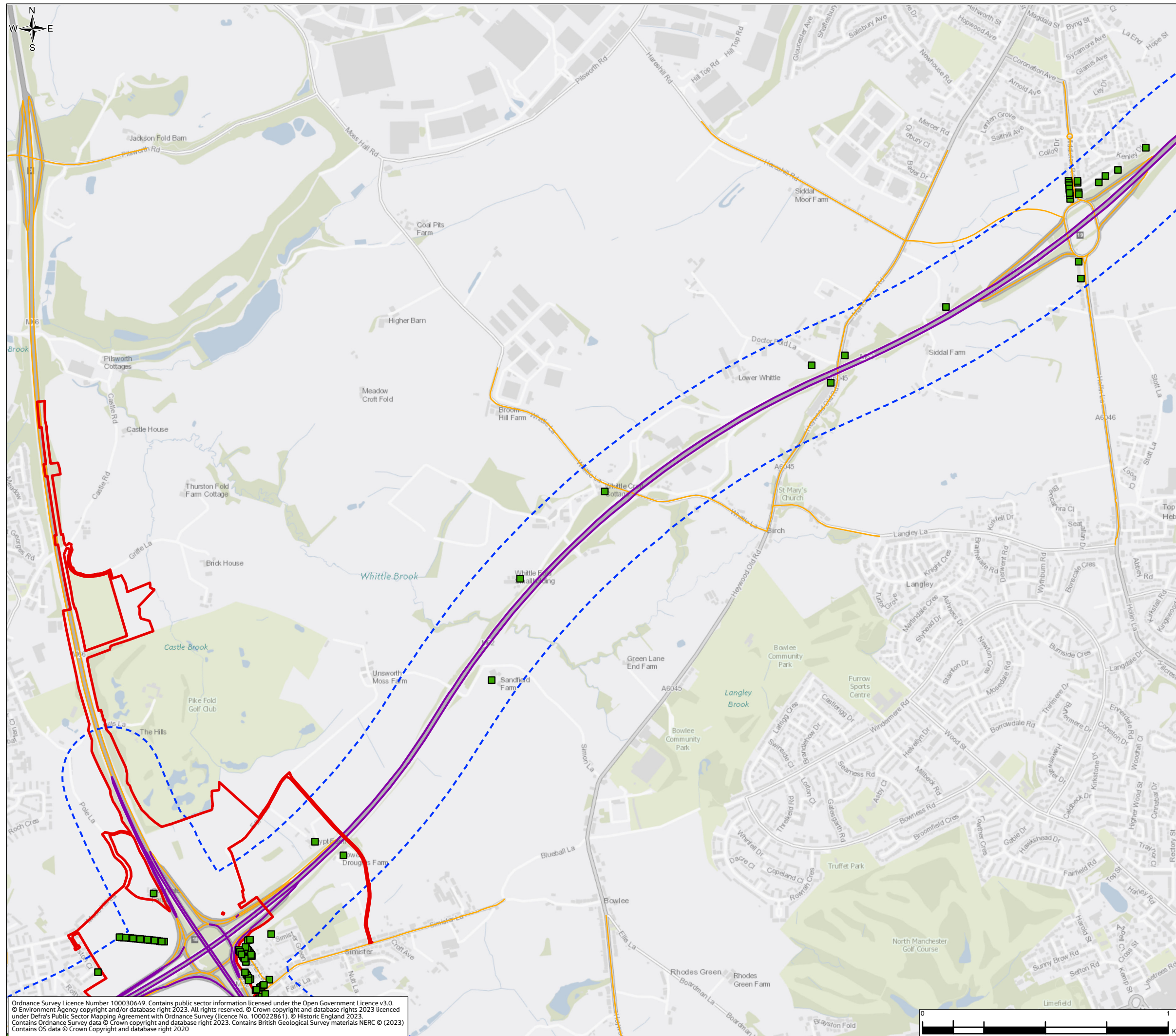
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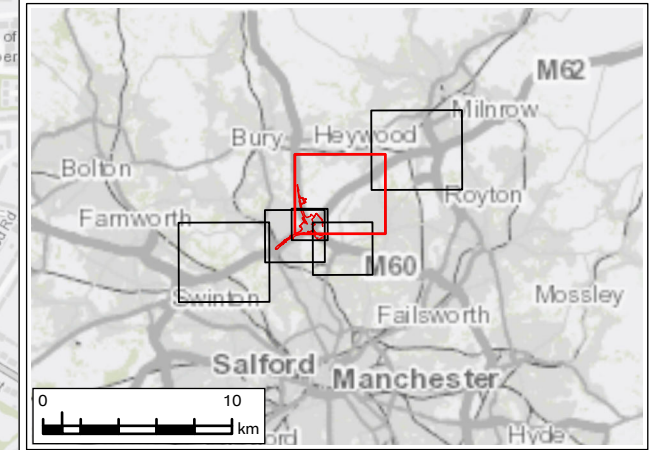


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FIGURE 5.8



- Legend**
- Order Limits
 - Air Quality Construction Study Area (200m)
 - Construction 2028 Affected Road Network (ARN)
 - Other Modelled Road Links (Construction)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))**
- < 30



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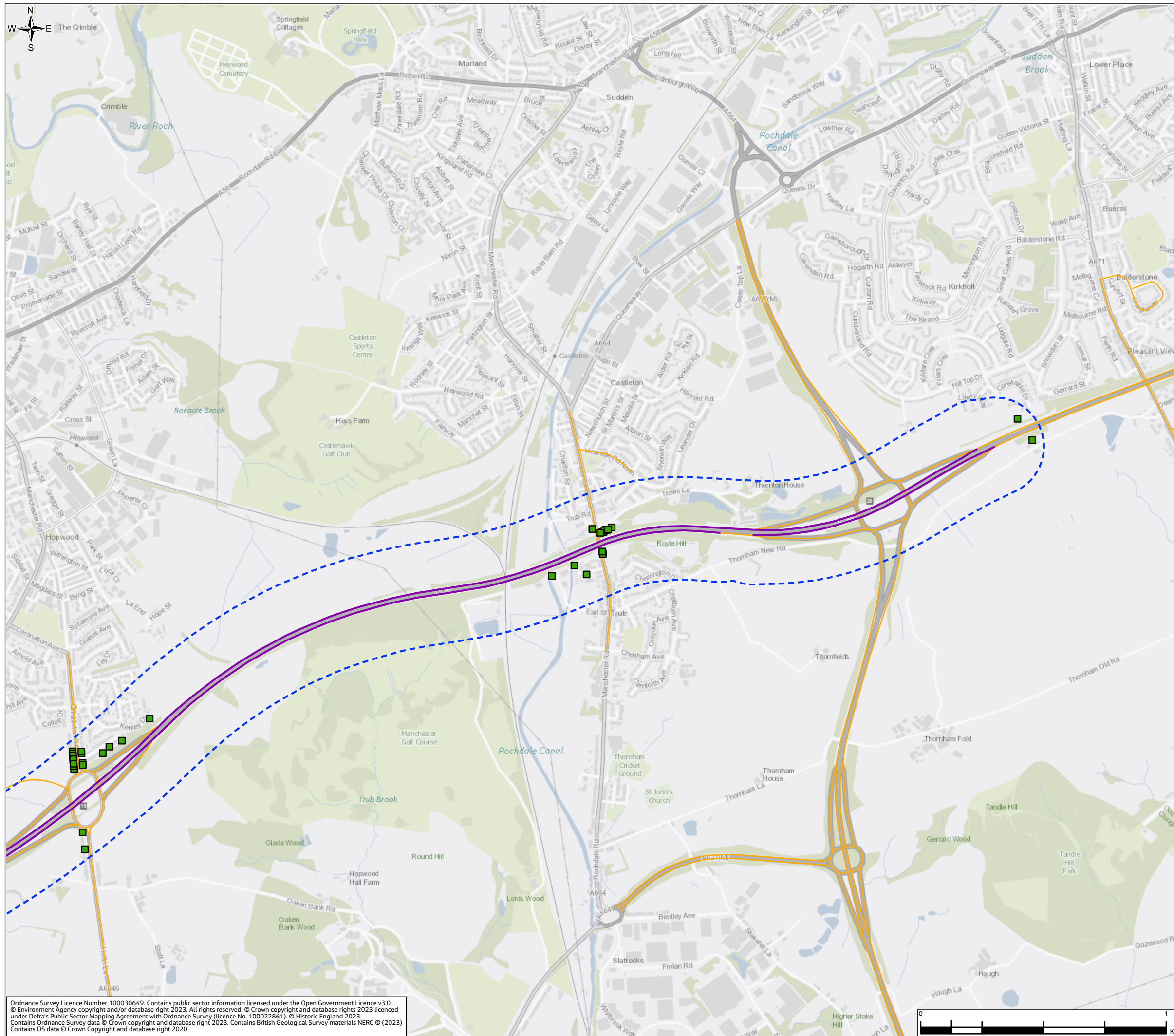
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CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 26 OF 28**

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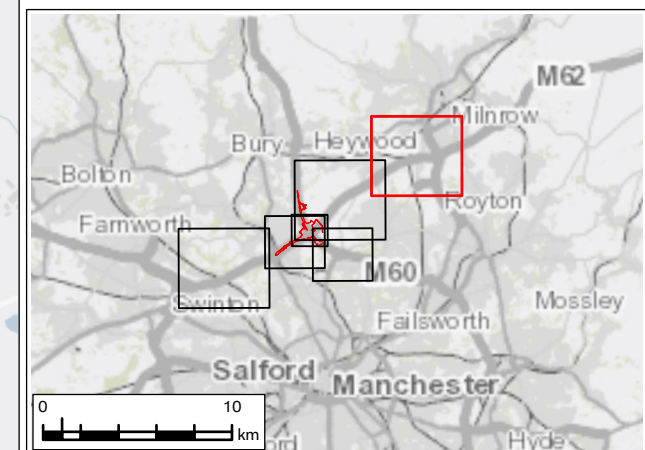
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FIGURE 5.8



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))**
 - < 30
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

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**ENVIRONMENTAL STATEMENT
CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
SHEET 27 OF 28**

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Drawing Number	HE548642-JAC-LDC-SII_MLT-SK-LA-0038	

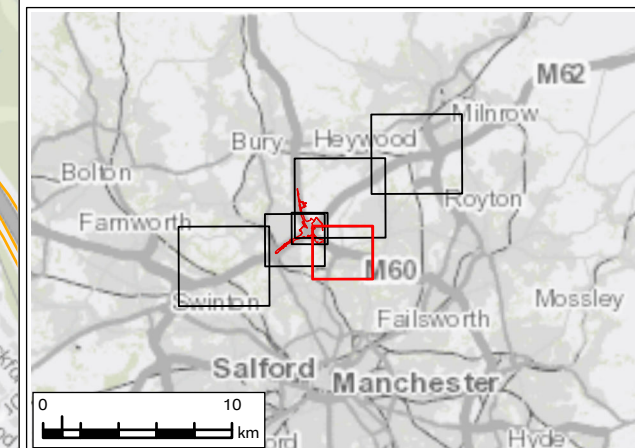
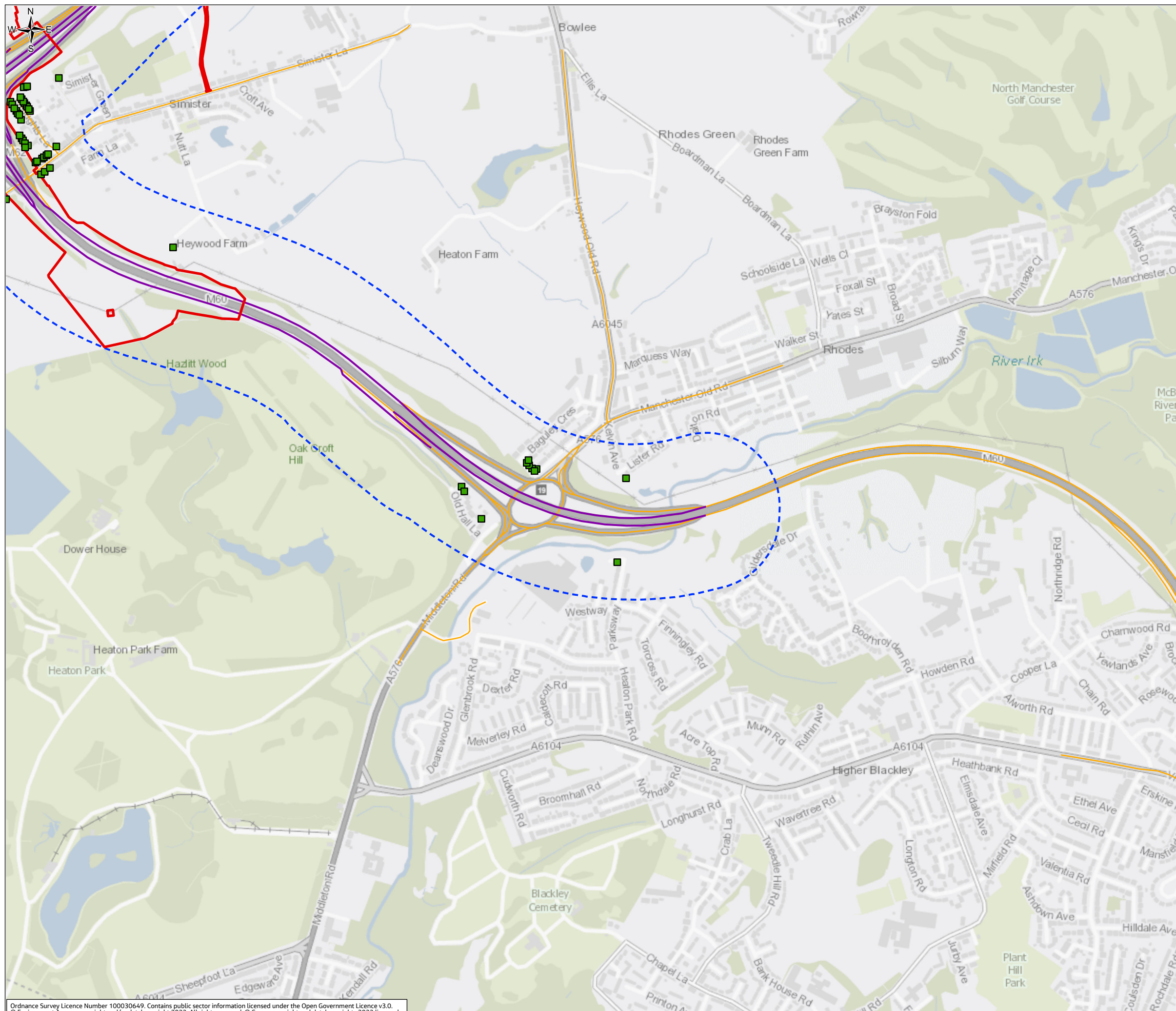
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FIGURE 5.8

Legend

- ▭ Order Limits
- - - Air Quality Construction Study Area (200m)
- Modelled Construction Human Health Receptors (Absolute Concentrations (2028) PM₁₀ (DS) (µg/m³))**
- < 30
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)



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**ENVIRONMENTAL STATEMENT
 CONSTRUCTION HUMAN HEALTH ASSESSMENT RESULTS
 SHEET 28 OF 28**

Drawing Status
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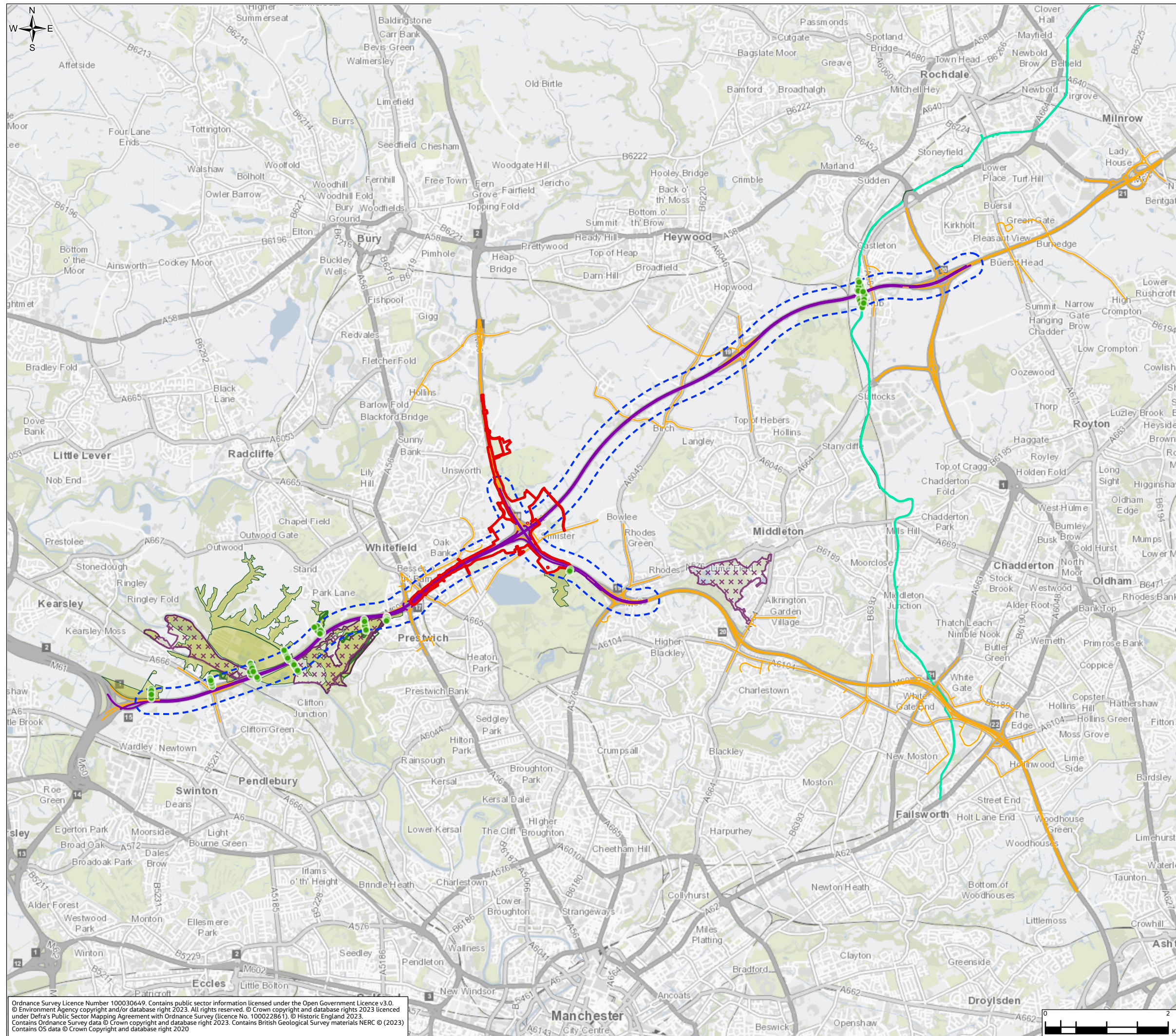
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FIGURE 5.9



- Legend**
- Order Limits
 - Air Quality Construction Study Area (200m)
- Modelled Ecological Receptors (Construction)**
- Potentially Affected
 - Not Significant
- Ecological Sites within 200m of the ARN**
- x Local Nature Reserve
 - / Ancient Woodland
 - Sites of Biological Importance
 - Rochdale Canal (Sites of Biological Importance, Sites of Specific Interest and Special Area of Conservation)

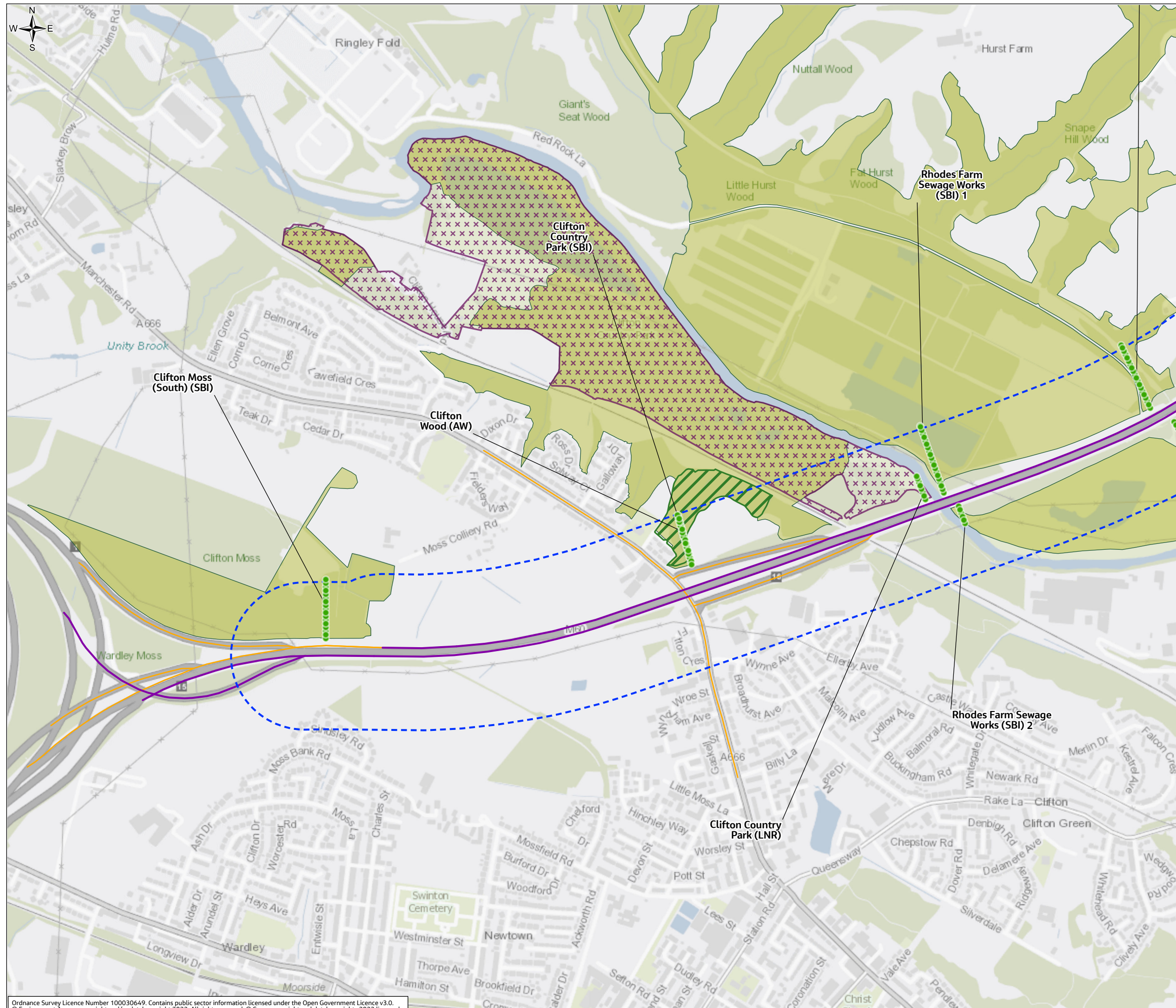


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Development Consent Order Number: TR010064			Development Consent Order Drawing Number: 6.2			
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<p>ENVIRONMENTAL STATEMENT CONSTRUCTION ECOLOGICAL ASSESSMENT RESULTS SHEET 1 OF 6</p>						
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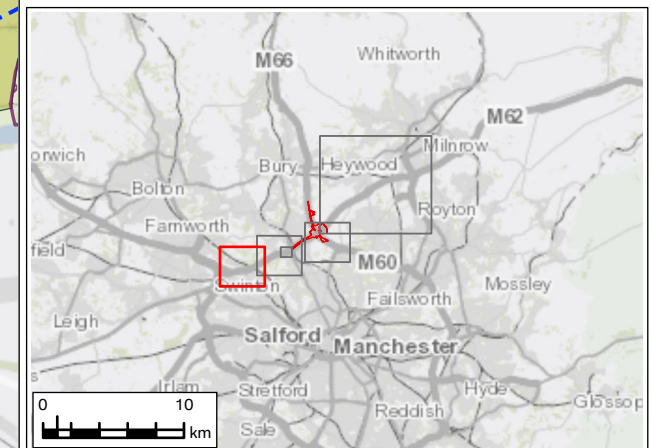
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FIGURE 5.9



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Ecological Receptors (Construction)**
- Potentially Affected
- Not Significant
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)
- Ecological Sites within 200m of the ARN**
- x x Local Nature Reserve
- / / Ancient Woodland
- Sites of Biological Importance
- Rochdale Canal (Sites of Biological Importance, Sites of Specific Interest and Special Area of Conservation)



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**ENVIRONMENTAL STATEMENT
CONSTRUCTION ECOLOGICAL ASSESSMENT RESULTS
SHEET 2 OF 6**

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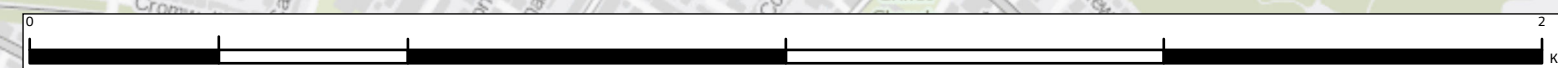
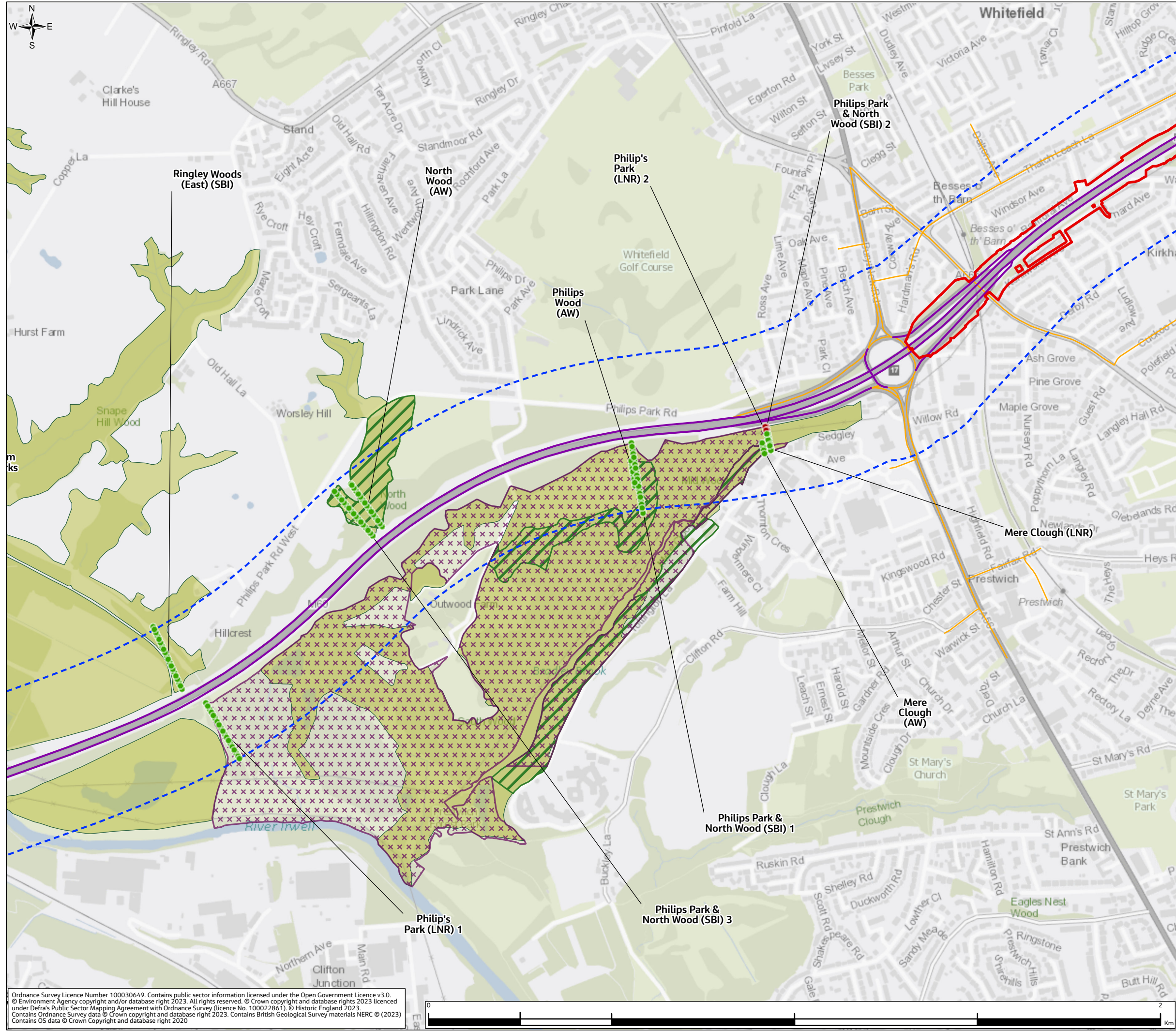


FIGURE 5.9



Legend

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

Modelled Ecological Receptors (Construction)

- Potentially Affected
- Not Significant

Ecological Sites within 200m of the ARN

- x x Local Nature Reserve
- / / Ancient Woodland
- Sites of Biological Importance
- Rochdale Canal (Sites of Biological Importance, Sites of Specific Interest and Special Area of Conservation)



P01	JAN 24	For DCO application	LT	MS	JR	BB
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Drawing Title ENVIRONMENTAL STATEMENT CONSTRUCTION ECOLOGICAL ASSESSMENT RESULTS SHEET 3 OF 6						
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-0039						

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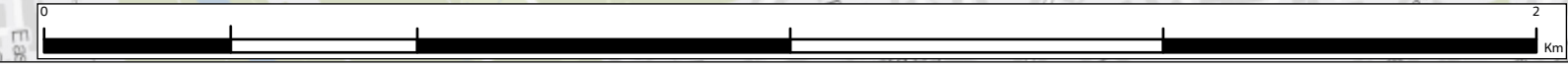
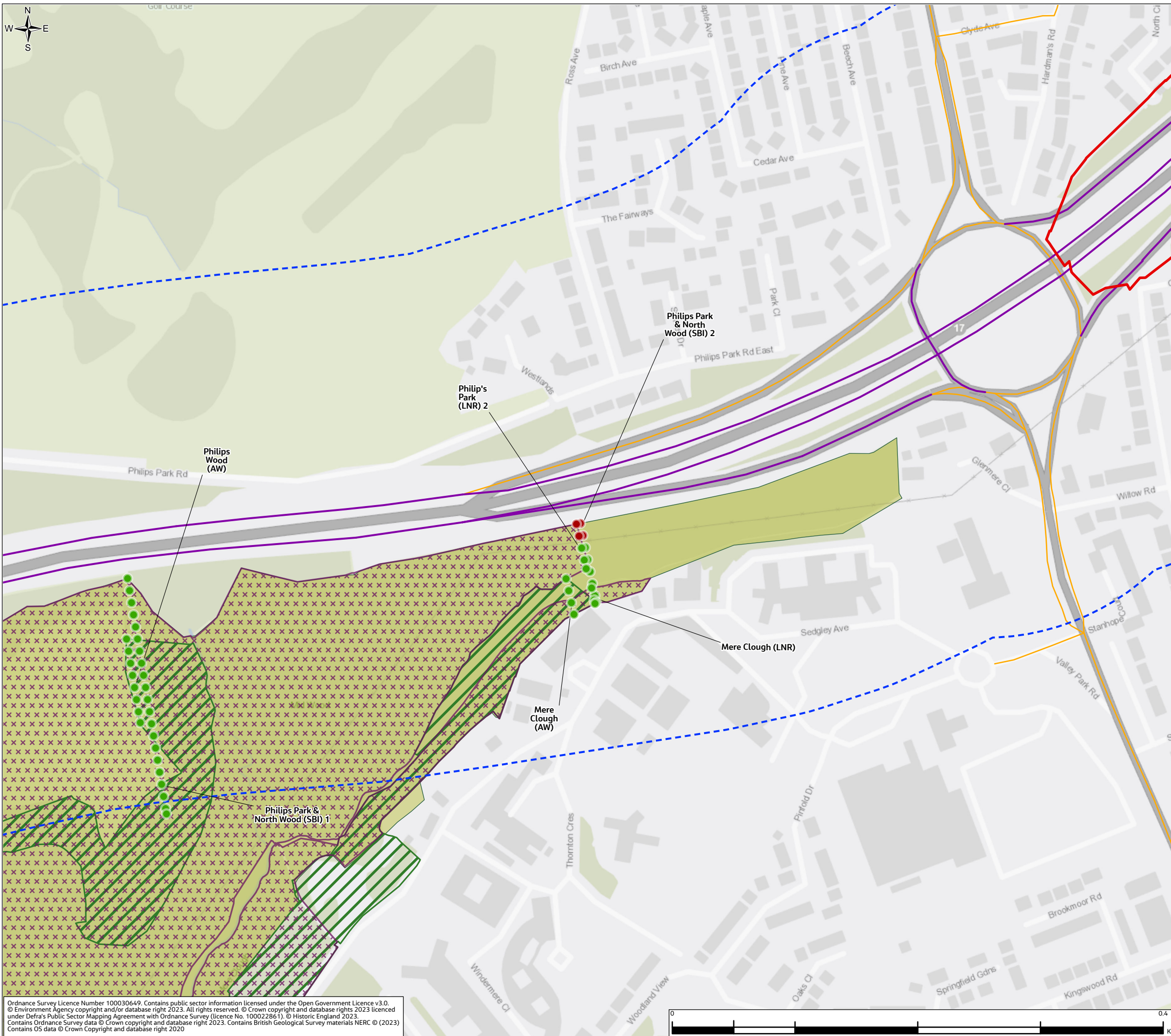


FIGURE 5.9



- Legend**
- Order Limits
 - Air Quality Construction Study Area (200m)
- Modelled Ecological Receptors (Construction)**
- Potentially Affected
 - Not Significant
- Ecological Sites within 200m of the ARN**
- x x Local Nature Reserve
 - / / Ancient Woodland
 - Sites of Biological Importance
 - Rochdale Canal (Sites of Biological Importance, Sites of Specific Interest and Special Area of Conservation)



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 CONSTRUCTION ECOLOGICAL ASSESSMENT RESULTS SHEET 4 OF 6						
Drawing Status: S4 – SUITABLE FOR STAGED APPROVAL						
Scale @ A3: 1:3,000				DO NOT SCALE		
Jacobs No: B36601F0				Rev: P01		
Client No: HE548642						
Drawing Number: HE548642-JAC-LDC-SII_MLT-SK-LA-0039						

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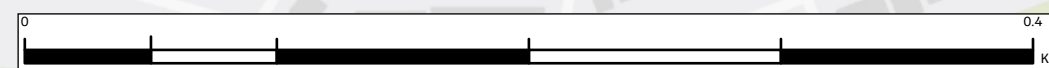
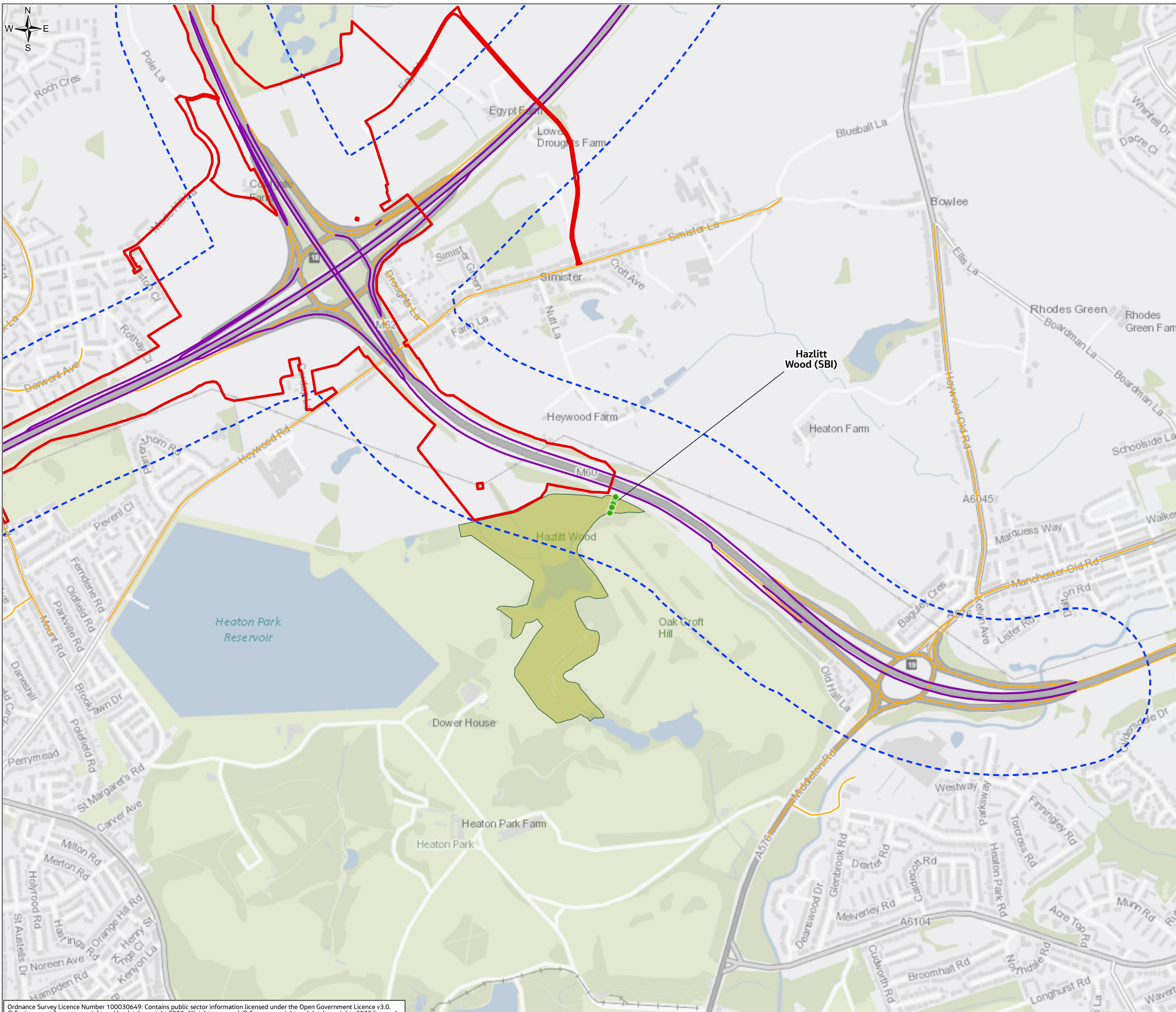
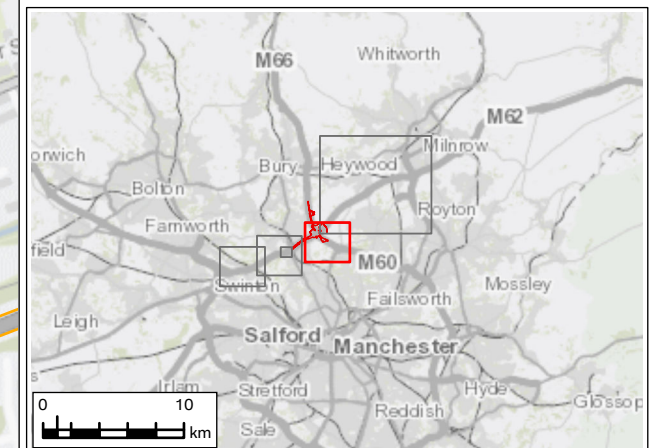


FIGURE 5.9



Legend

- Order Limits
- Air Quality Construction Study Area (200m)
- Modelled Ecological Receptors (Construction)**
- Potentially Affected
- Not Significant
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)
- Ecological Sites within 200m of the ARN**
- x x Local Nature Reserve
- / / Ancient Woodland
- Sites of Biological Importance
- Rochdale Canal (Sites of Biological Importance, Sites of Specific Interest and Special Area of Conservation)



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

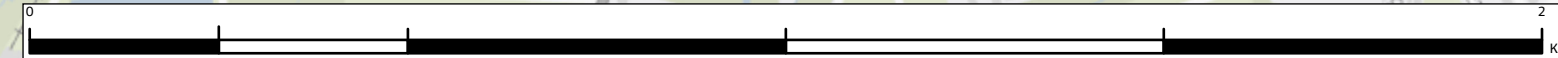
**REGIONAL DELIVERY PARTNERSHIP
M60/M62/M66 SIMISTER ISLAND INTERCHANGE**

Drawing Title

**ENVIRONMENTAL STATEMENT
CONSTRUCTION ECOLOGICAL ASSESSMENT RESULTS
SHEET 5 OF 6**

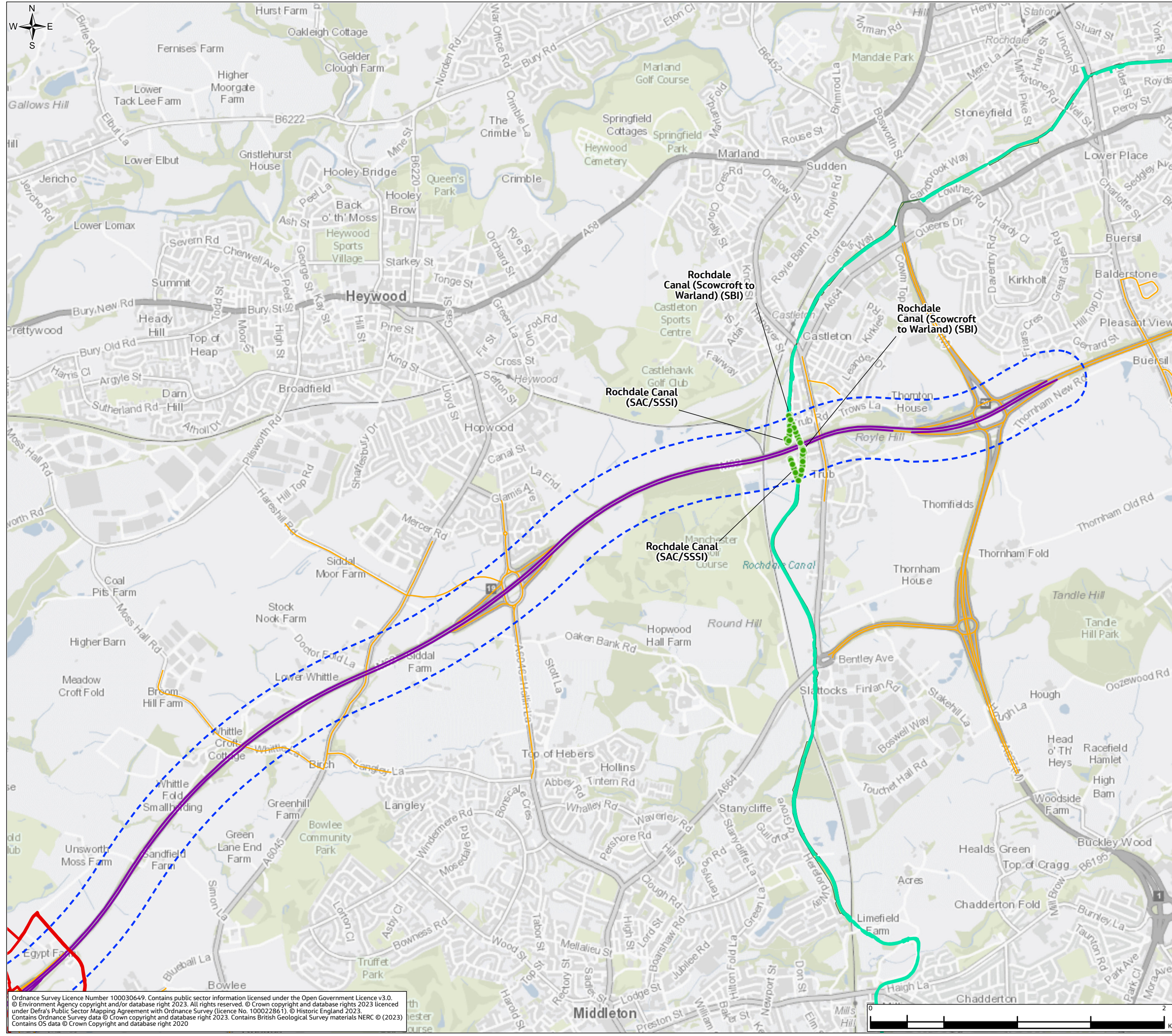
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Scale @ A3	1:10,000	DO NOT SCALE
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Client No.	HE548642	P01
Drawing Number	HE548642-JAC-LDC-SII_MLT-SK-LA-0039	

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FIGURE 5.9



Legend

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

Modelled Ecological Receptors (Construction)

- Potentially Affected
- Not Significant
- Construction 2028 Affected Road Network (ARN)
- Other Modelled Road Links (Construction)

Ecological Sites within 200m of the ARN

- Local Nature Reserve
- Ancient Woodland
- Sites of Biological Importance
- Rochdale Canal (Sites of Biological Importance, Sites of Specific Interest and Special Area of Conservation)



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			
<p>Project</p> <p>REGIONAL DELIVERY PARTNERSHIP M60/M62/M66 SIMISTER ISLAND INTERCHANGE</p>						
<p>Drawing Title</p> <p>ENVIRONMENTAL STATEMENT CONSTRUCTION ECOLOGICAL ASSESSMENT RESULTS SHEET 6 OF 6</p>						
<p>Drawing Status</p> <p>S4 – SUITABLE FOR STAGED APPROVAL</p>						
Scale @ A3		1:25,000	DO NOT SCALE			
Jacobs No.		B36601F0	Rev		P01	
Client No.		HE548642				
<p>Drawing Number</p> <p>HE548642-JAC-LDC-SII_MLT-SK-LA-0039</p>						

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