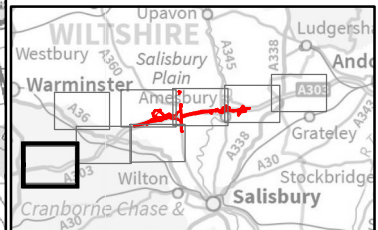




- NOTES / LEGEND
- Proposed scheme boundary
 - Air Quality Management Area
 - Modelled Site of Special Scientific Interest (SSSI)
 - Modelled Special Area of Conservation (SAC)
 - Modelled Special Protection Area (SPA)
 - Air Quality Designated Ecosystem Receptor

- Air Quality Monitor**
- Annual Mean NO₂ Concentration**
- <30 µg/m³
 - 30-36 µg/m³
 - 36-40 µg/m³
 - 40-44 µg/m³
 - >44 µg/m³
- Air Quality Receptor - Annual Mean NO₂ Concentration**
- Large Decrease
 - Medium Decrease
 - Small Decrease
 - Imperceptible
 - Small Increase
 - Medium Increase
 - Large Increase

Note: where a change in concentration isn't shown, the receptor is not located on an affected road for this scenario.



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Purpose of issue
FINAL

Client
Highways England
Working on behalf of
highways england

Project Title
A303 AMESBURY TO BERWICK DOWN

Drawing Title
FIGURE 5.4A
AIR QUALITY MODELLING
(CONSTRUCTION PHASE 1)

Designed	Drawn	Checked	Approved	Date
NE	TD	GM	SMQ	12/09/18

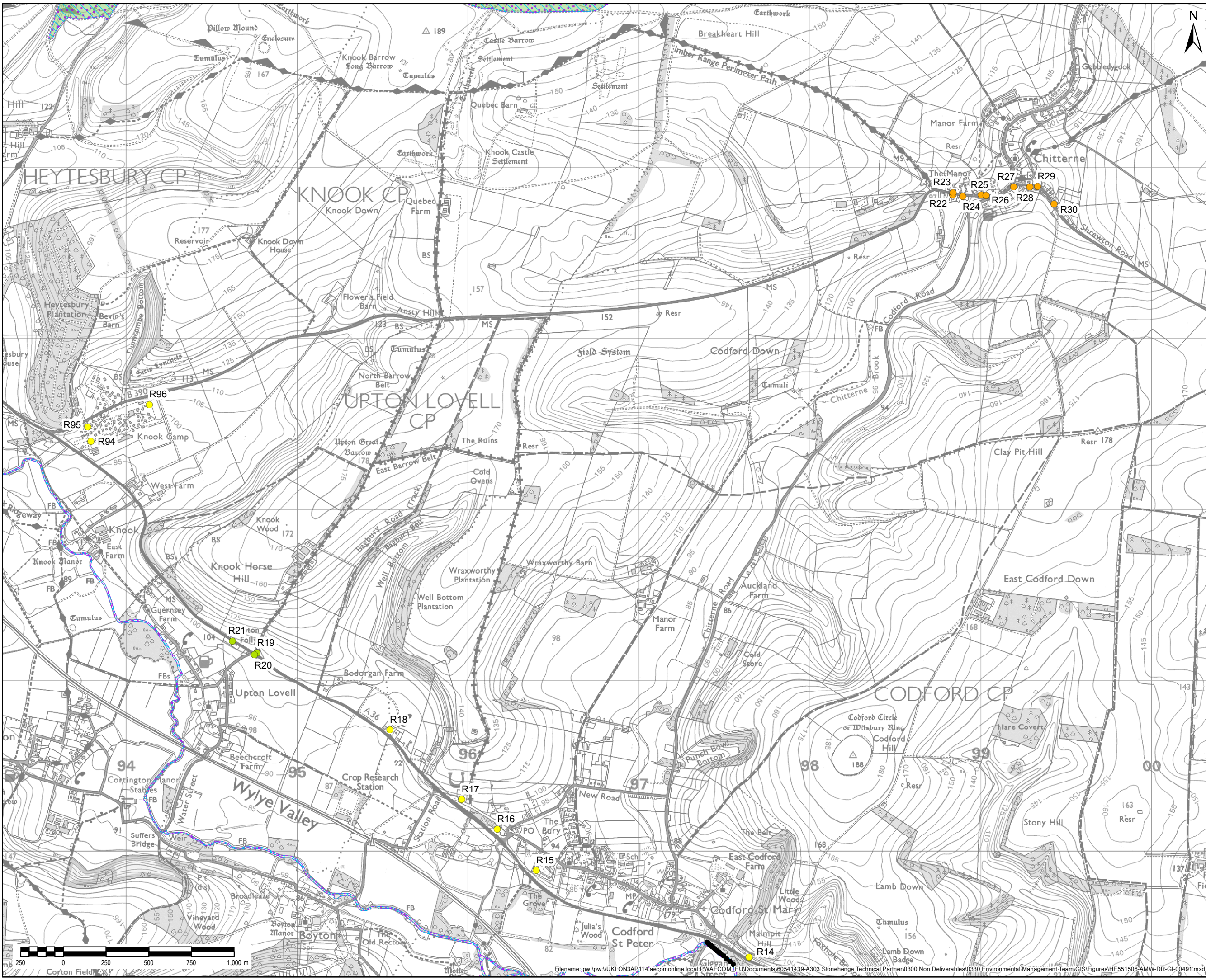
Internal Project No.
60547200
Scale @ A3
1:20,000
Zone
SW

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Highways England
Temple Quay House
2 The Square, Temple Quay
Bristol
BS1 6HA
AmW
AECOM + mace + WSP

Drawing Number	Highways England PIN	Originator	Volume	Rev
HE551506	AMW	GEN	01	
SCHEME WIDE		DR	GI	00490
Location		Type	Role	Number

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- NOTES / LEGEND
- Proposed scheme boundary
 - Air Quality Management Area
 - Modelled Special Area of Conservation (SAC)
 - Modelled Special Protection Area (SPA)
 - Modelled Site of Special Scientific Interest (SSSI)
 - Air Quality Designated Ecosystem Receptor

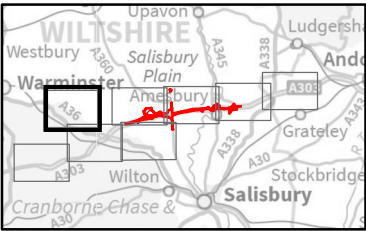
Air Quality Monitor
Annual Mean NO₂ Concentration

- <30 µg/m³
- 30-36 µg/m³
- 36-40 µg/m³
- 40-44 µg/m³
- >44 µg/m³

Air Quality Receptor - Annual Mean NO₂ Concentration

- Large decrease
- Medium decrease
- Small decrease
- Imperceptible
- Small increase
- Medium Increase
- Large Increase

Note: where a change in concentration isn't shown, the receptor is not located on an affected road for this scenario.



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Revision Details	By	Check	Date	Suffix
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Purpose of issue
FINAL

Client
Highways England
Working on behalf of
highways england

Project Title
A303 AMESBURY TO BERWICK DOWN

Drawing Title
**FIGURE 5.4B
AIR QUALITY MODELLING
(CONSTRUCTION PHASE 1)**

Designed	Drawn	Checked	Approved	Date
NE	TD	GM	DD	12/09/18

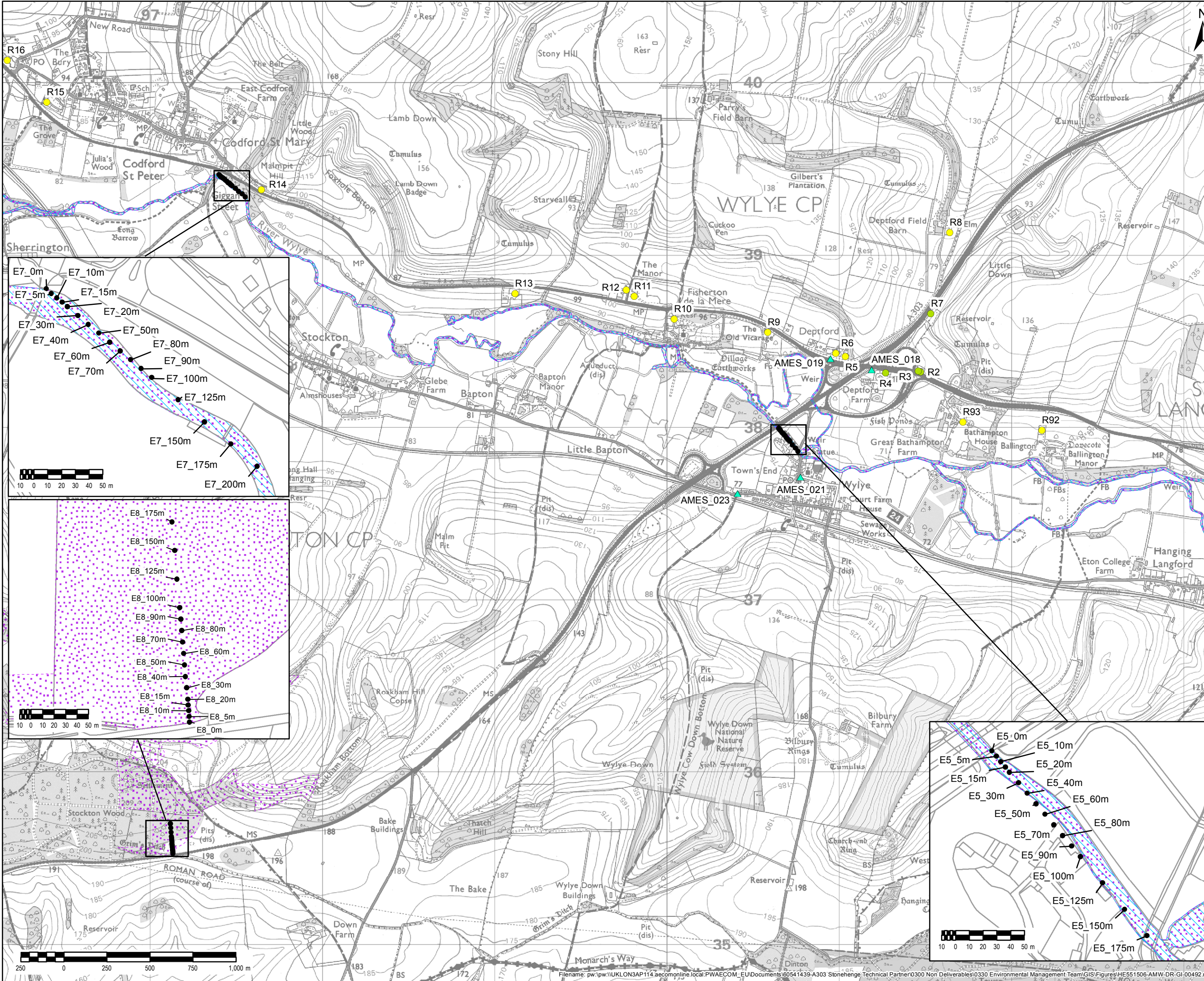
Internal Project No. 60547200

Scale @ A3 1:20,000 Zone SW

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Highways England
Temple Quay House
2 The Square, Temple Quay
Bristol BS1 6HA
AmW
AECOM + mace + WSP

Drawing Number	Originator	Volume	Rev
HE551506	AMW	GEN	01
SCHEME WIDE	DR	GI	00491
Location	Type	Role	Number



NOTES / LEGEND

- Proposed scheme boundary
- Air Quality Management Area
- Modelled Special Area of Conservation (SAC)
- Modelled Special Protection Area (SPA)
- Modelled Site of Special Scientific Interest (SSSI)
- Air Quality Designated Ecosystem Receptor

Air Quality Monitor

Annual Mean NO₂ Concentration

- <30 µg/m³
- 30-36 µg/m³
- 36-40 µg/m³
- 40-44 µg/m³
- >44 µg/m³

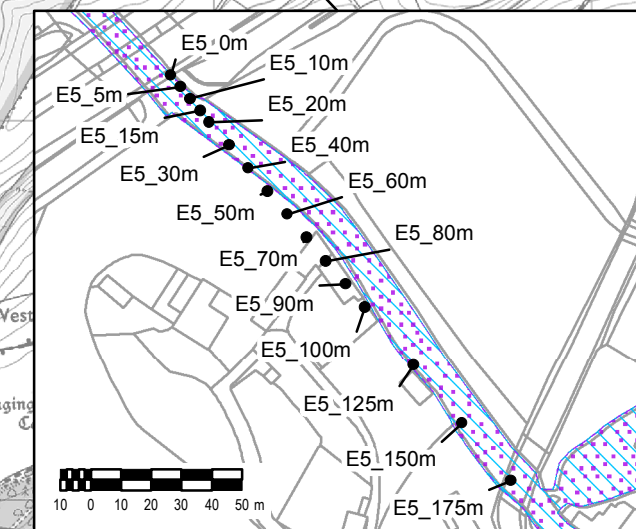
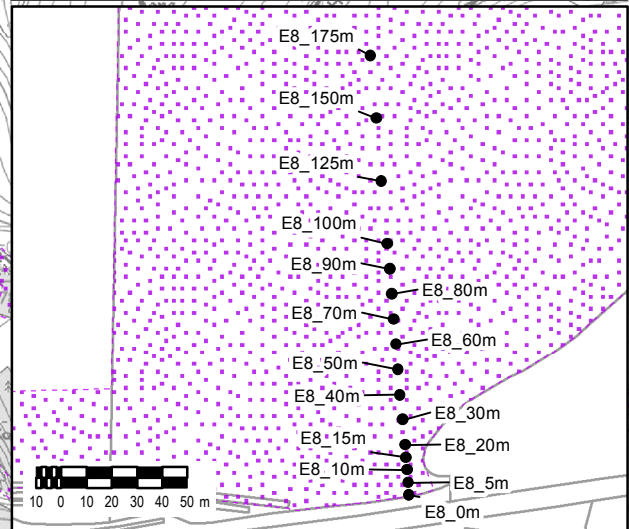
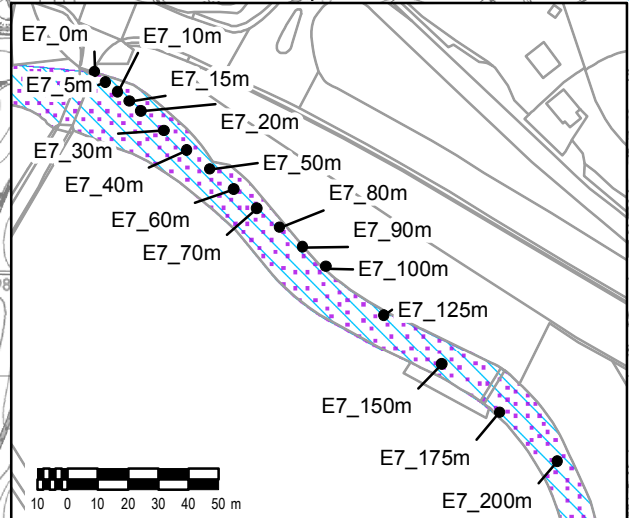
Air Quality Receptor - Annual Mean NO₂ Concentration

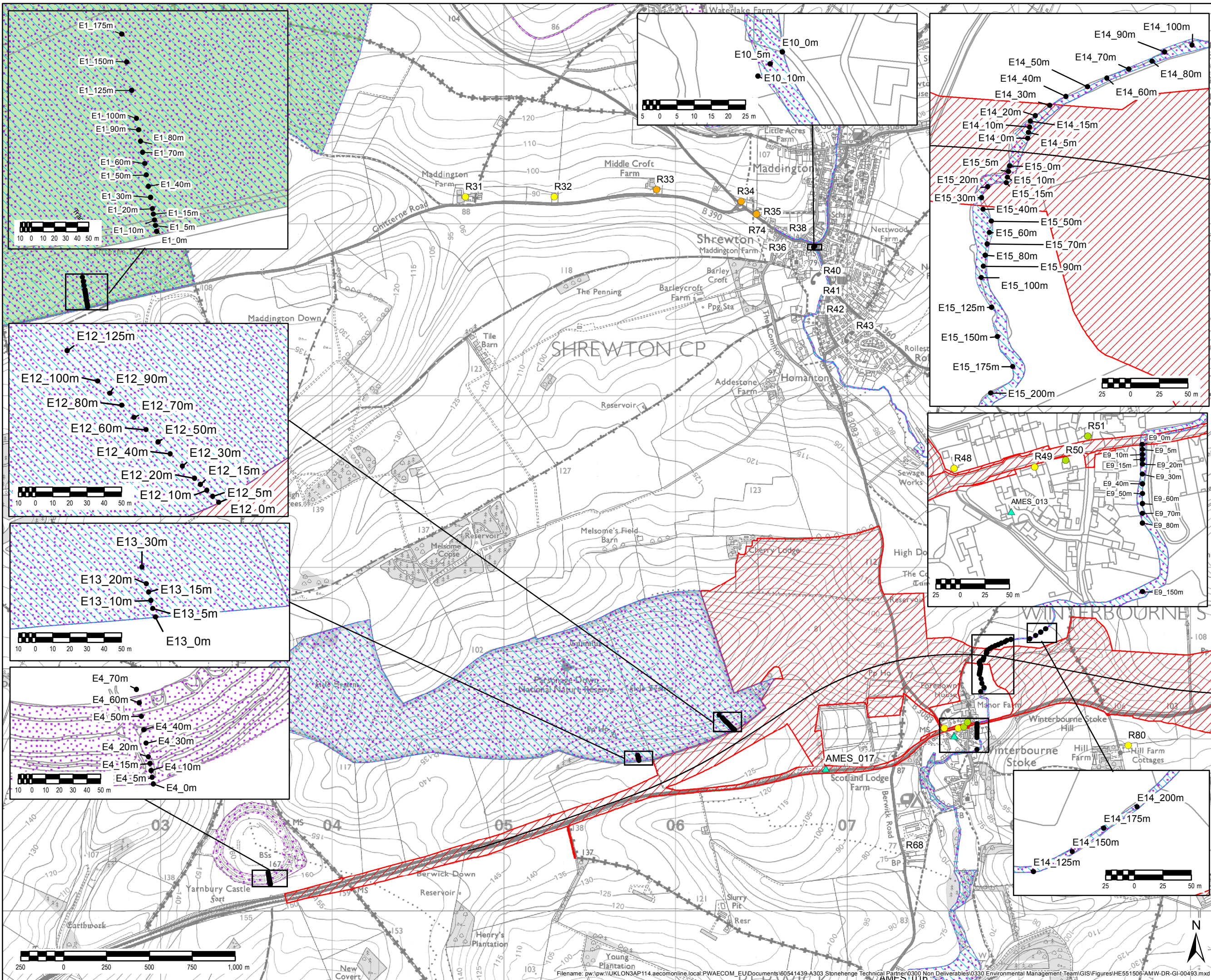
- Large decrease
- Medium decrease
- Small decrease
- Imperceptible
- Small increase
- Medium Increase
- Large Increase

Note: where a change in concentration isn't shown, the receptor is not located on an affected road for this scenario.

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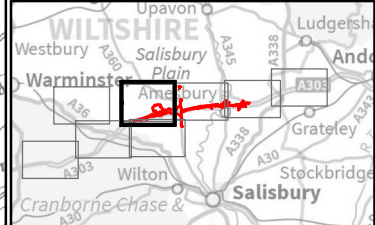
Revision Details	By	Check	Date	Suffix					
Purpose of issue	FINAL								
Client	Highways England								
Client	Working on behalf of 								
Project Title	A303 AMESBURY TO BERWICK DOWN								
Drawing Title	FIGURE 5.4C AIR QUALITY MODELLING (CONSTRUCTION PHASE 1)								
Designed	NE	Drawn	TD	Checked	GM	Approved	DD	Date	12/09/18
Internal Project No.	60547200								
Scale @ A3	1:20,000		Zone		SW				
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AECOM + mace + WSP									
Drawing Number	HE551506		AMW		GEN		01		
Location	SCHEME WIDE		DR		GI		00492		
	Type		Role		Number				





- NOTES / LEGEND
- Indicative centreline
 - Proposed tunnel
 - Proposed scheme boundary
 - Air Quality Management Area
 - Modelled Special Area of Conservation (SAC)
 - Modelled Special Protection Area (SPA)
 - Modelled Site of Special Scientific Interest (SSSI)
 - Air Quality Designated Ecosystem Receptor

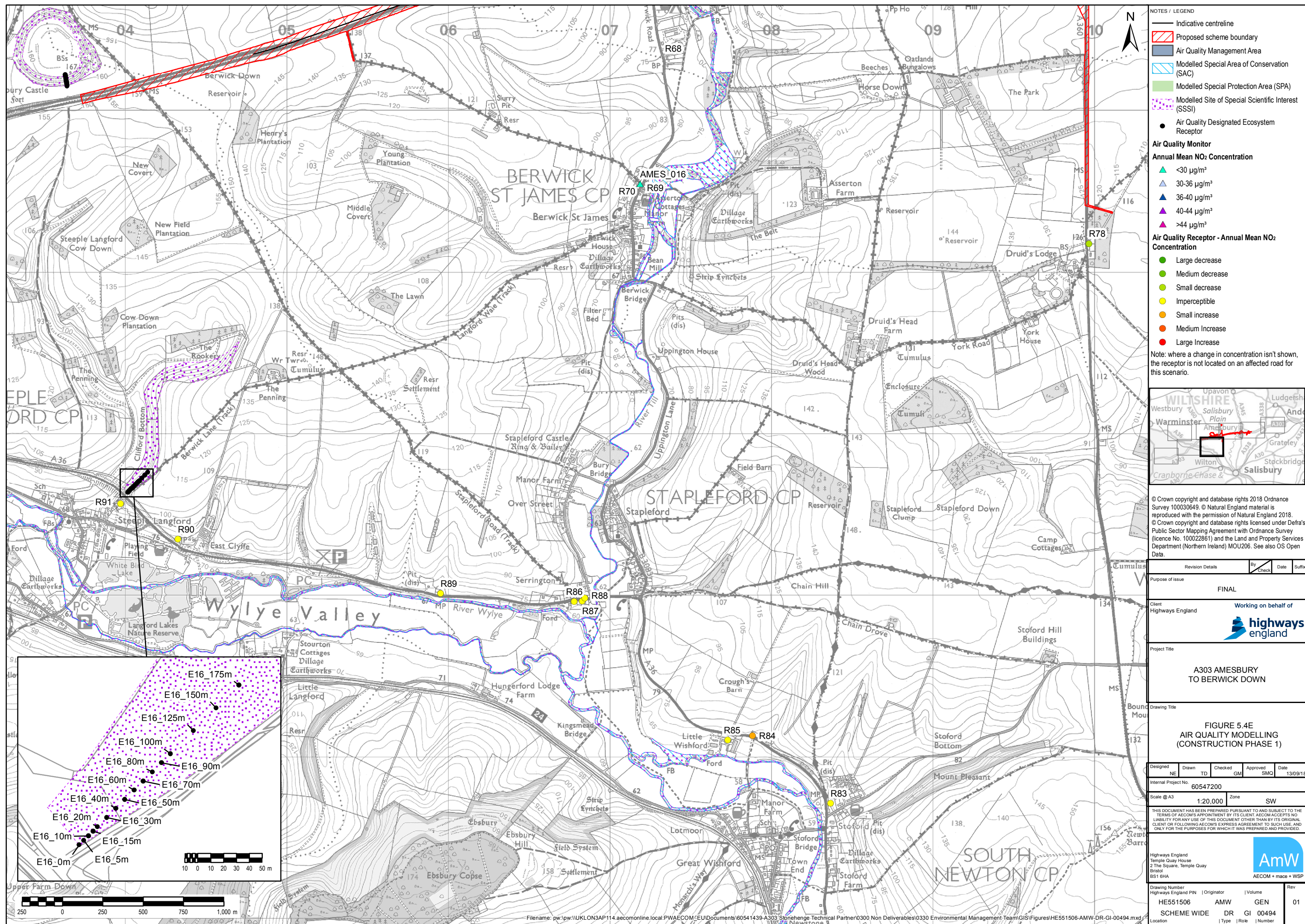
- Air Quality Monitor**
- Annual Mean NO₂ Concentration**
- <30 µg/m³
 - 30-36 µg/m³
 - 36-40 µg/m³
 - 40-44 µg/m³
 - >44 µg/m³
- Air Quality Receptor - Annual Mean NO₂ Concentration**
- Large decrease
 - Medium decrease
 - Small decrease
 - Imperceptible
 - Small increase
 - Medium Increase
 - Large Increase
- Note: where a change in concentration isn't shown, the receptor is not located on an affected road for this scenario.

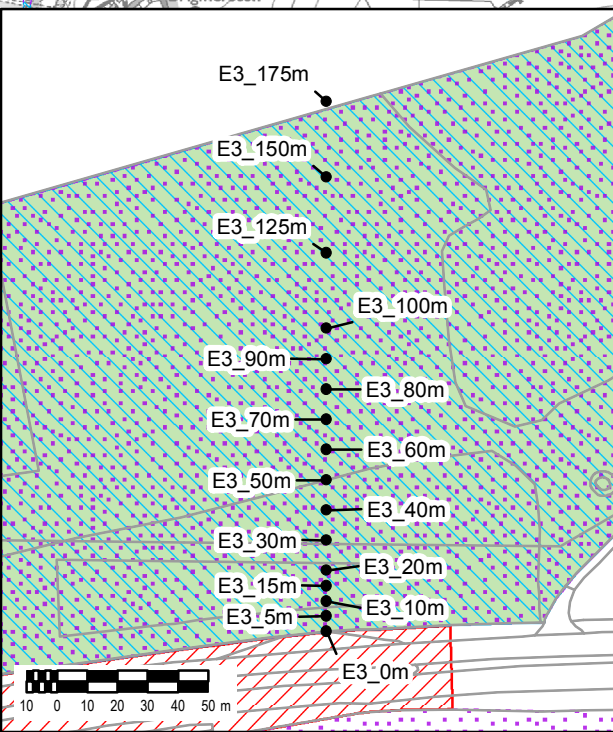
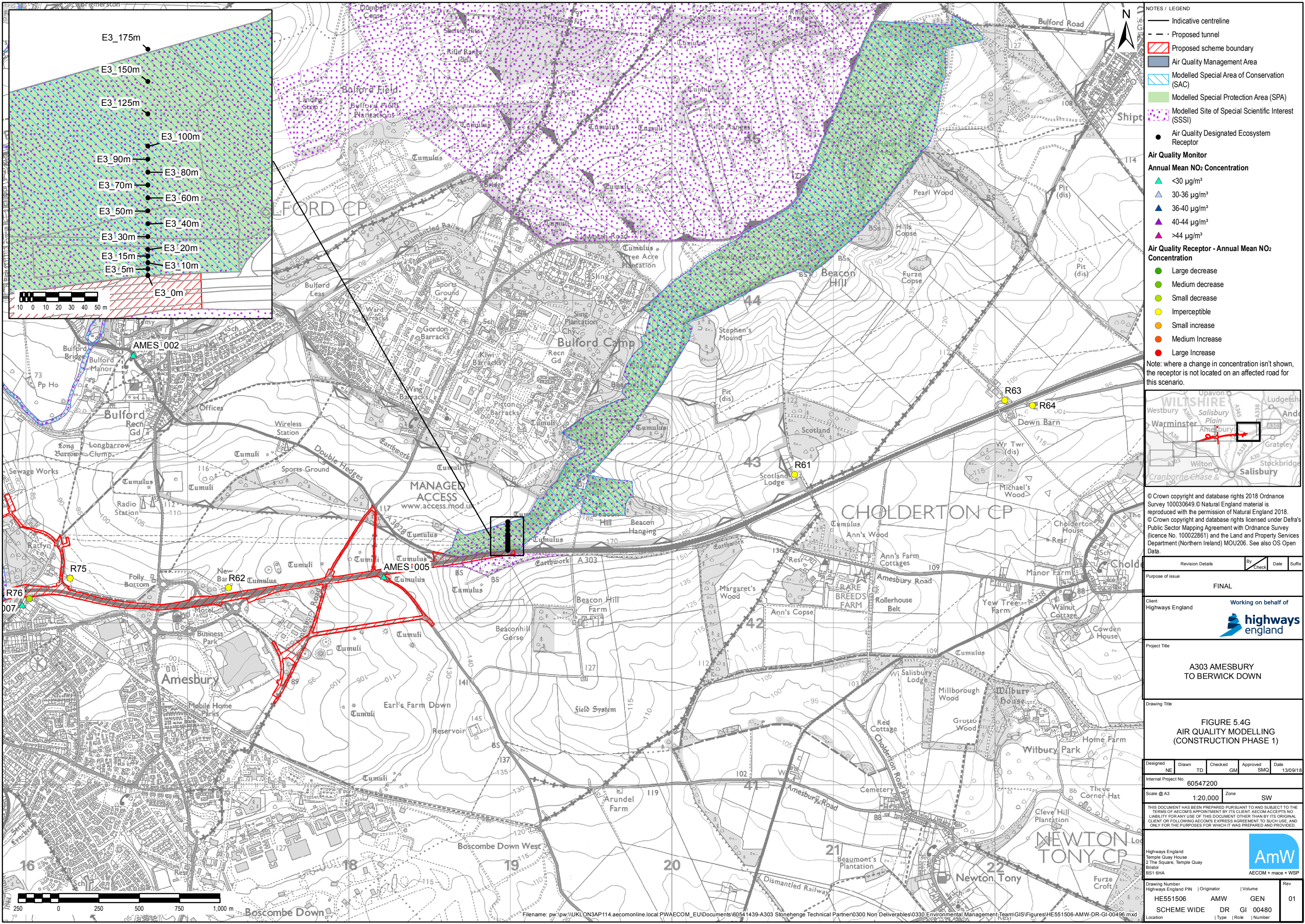


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Purpose of issue					
FINAL					
Client		Working on behalf of			
Highways England		 highways england			
Project Title					
A303 AMESBURY TO BERWICK DOWN					

Drawing Title									
FIGURE 5.4D AIR QUALITY MODEL (CONSTRUCTION PHASE 1)									
Designed		Drawn		Checked		Approved		Date	
NE		TD		GM		SMC		28/09/18	
Internal Project No.									
60547200									
Scale @ A3				1:20,000		Zone		SW	
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Drawing Number		Highways England PIN		Originator		Volume		Rev	
HE551506				AMW		GEN		01	
SCHEME WIDE				DR		GI		00493	
Location		Type		Role		Number			



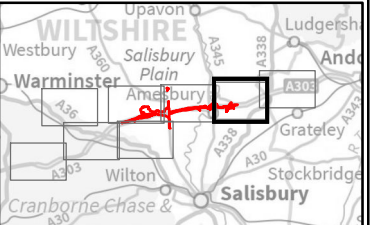


- NOTES / LEGEND
- Indicative centreline
 - Proposed tunnel
 - Proposed scheme boundary
 - Air Quality Management Area
 - Modelled Special Area of Conservation (SAC)
 - Modelled Special Protection Area (SPA)
 - Modelled Site of Special Scientific Interest (SSSI)
 - Air Quality Designated Ecosystem Receptor
 - Air Quality Monitor

- Air Quality Monitor**
- Annual Mean NO₂ Concentration**
- <30 µg/m³
 - 30-36 µg/m³
 - 36-40 µg/m³
 - 40-44 µg/m³
 - >44 µg/m³

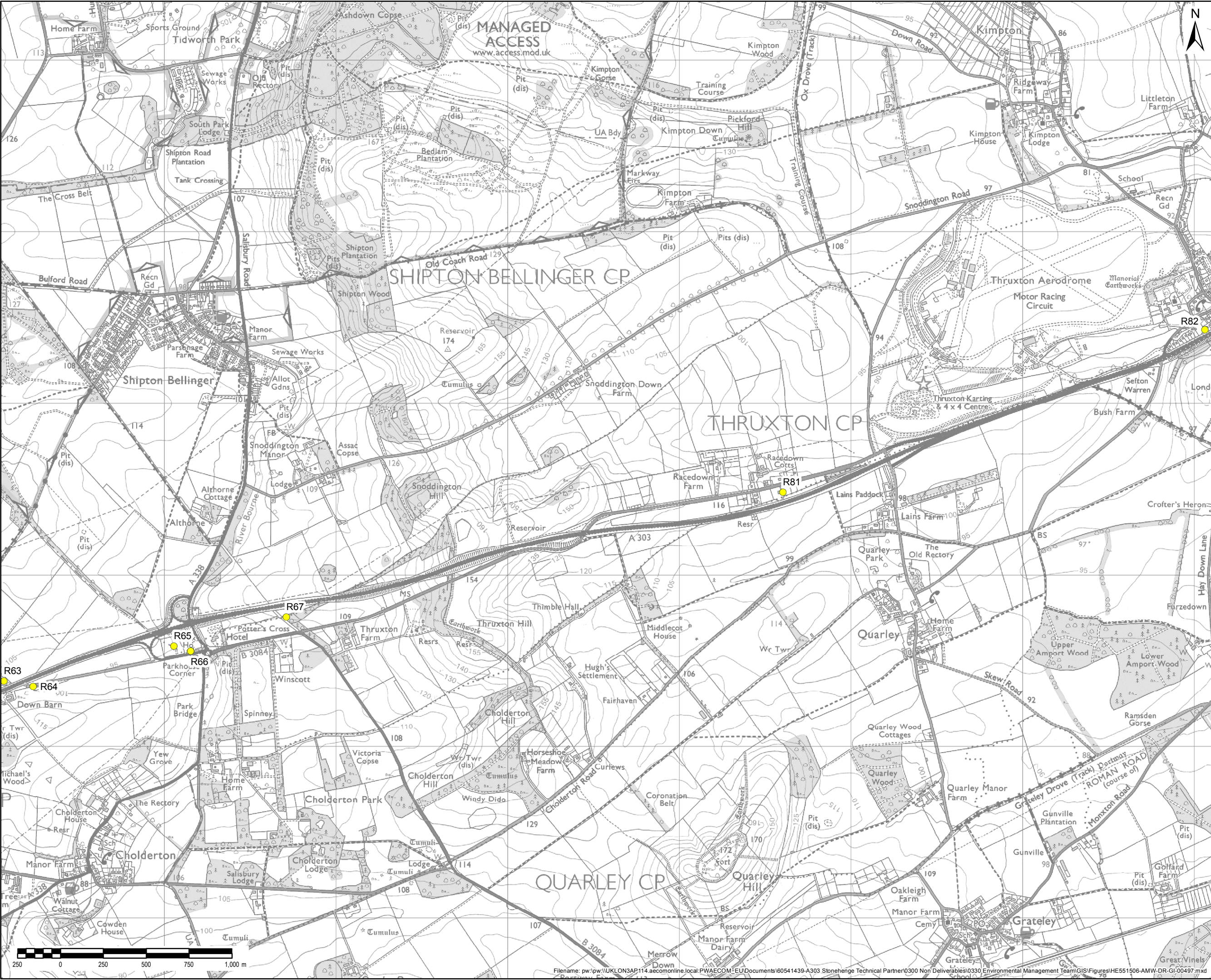
- Air Quality Receptor - Annual Mean NO₂ Concentration**
- Large decrease
 - Medium decrease
 - Small decrease
 - Imperceptible
 - Small increase
 - Medium Increase
 - Large Increase

Note: where a change in concentration isn't shown, the receptor is not located on an affected road for this scenario.



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Highways England				 highways england			
Project Title							
A303 AMESBURY TO BERWICK DOWN							
Drawing Title							
FIGURE 5.4G AIR QUALITY MODELLING (CONSTRUCTION PHASE 1)							
Designed	Drawn	Checked	Approved	Date			
NE	TD	GM	SMQ	13/09/18			
Internal Project No. 60547200							
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Highways England Temple Quay House 2 The Square, Temple Quay Bristol BS1 6HA				 AECOM + mace + WSP			
Drawing Number		Originator		Volume		Rev	
HE551506		AMW		GEN		01	
SCHEME WIDE				DR GI 00480			
Location		Type		Role		Number	



NOTES / LEGEND

- Indicative centreline
- Proposed tunnel
- Proposed scheme boundary
- Air Quality Management Area
- Modelled Special Area of Conservation (SAC)
- Modelled Special Protection Area (SPA)
- Modelled Site of Special Scientific Interest (SSSI)
- Air Quality Designated Ecosystem Receptor

Air Quality Monitor

Annual Mean NO₂ Concentration

- <30 µg/m³
- 30-36 µg/m³
- 36-40 µg/m³
- 40-44 µg/m³
- >44 µg/m³

Air Quality Receptor - Annual Mean NO₂ Concentration

- Large decrease
- Medium decrease
- Small decrease
- Imperceptible
- Small increase
- Medium Increase
- Large Increase

Note: where a change in concentration isn't shown, the receptor is not located on an affected road for this scenario.

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Purpose of issue				
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Highways England				
Working on behalf of				
highways england				
Project Title				
A303 AMESBURY TO BERWICK DOWN				
Drawing Title				
FIGURE 5.4H AIR QUALITY MODELLING (CONSTRUCTION PHASE 1)				
Designed	Drawn	Checked	Approved	Date
NE	TD	GM	SMQ	13/09/18
Internal Project No.				
60547200				
Scale @ A3		Zone		
1:20,000		SW		
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Highways England				
Temple Quay House				
2 The Square, Temple Quay				
Bristol				
BS1 6HA				
AmW				
AECOM + mace + WSP				
Drawing Number	Highways England PIN	Originator	Volume	Rev
HE551506	AMW	GEN		01
SCHEME WIDE		DR	GI	00497
Location		Type	Role	Number