

national highways

3 Piccadilly Place
Manchester
M1 3BN

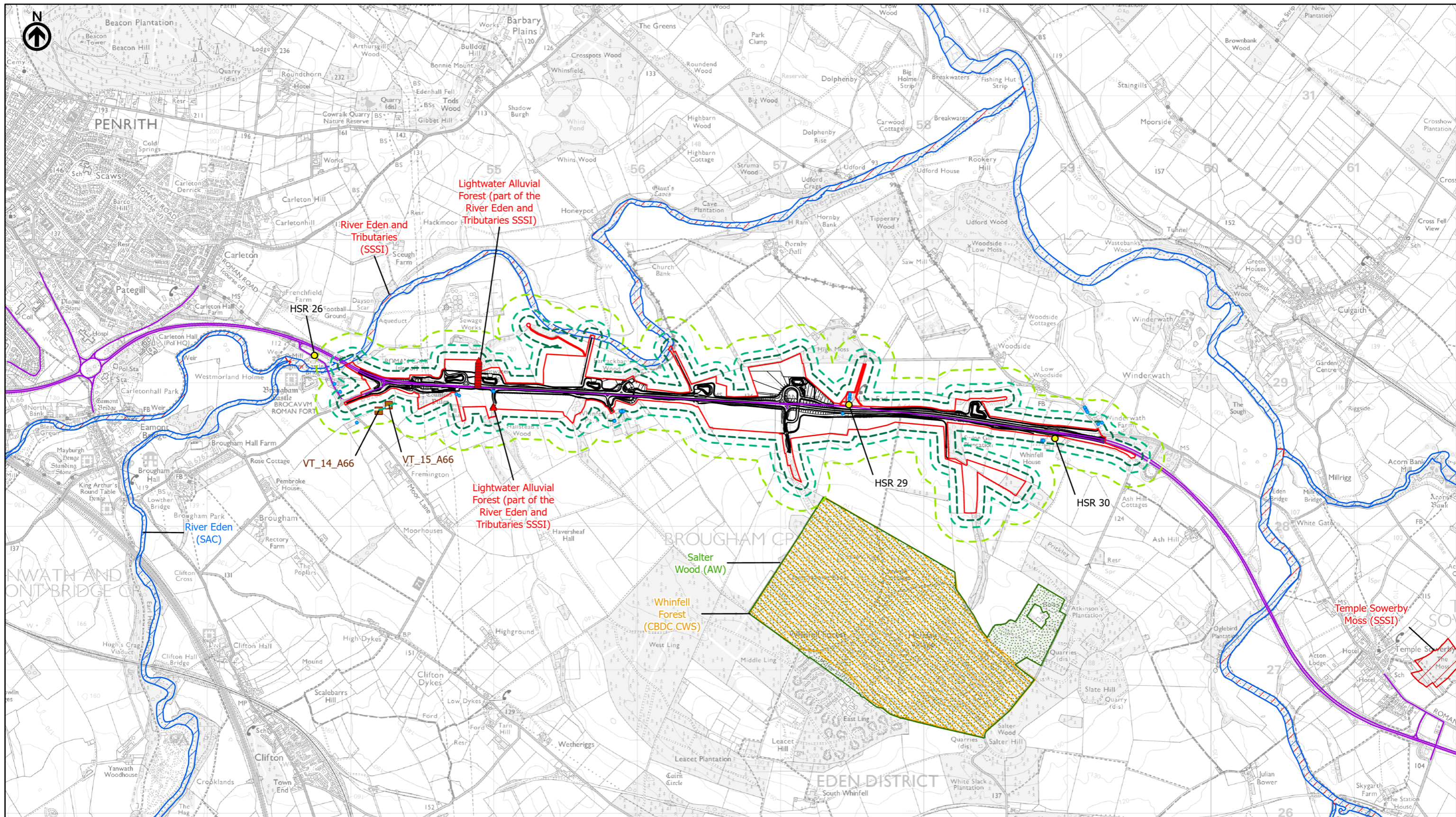
P02	First Issue	JBAR	LHAN	JLIN	AMIT	KWHA
		21/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.3			
Air Quality Construction Phase Assessment			
Scheme: 0102, M6 Junction 40 to Kemplay Bank			
Sheet 1 of 9			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
S00	MP	LA	002042
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P02	



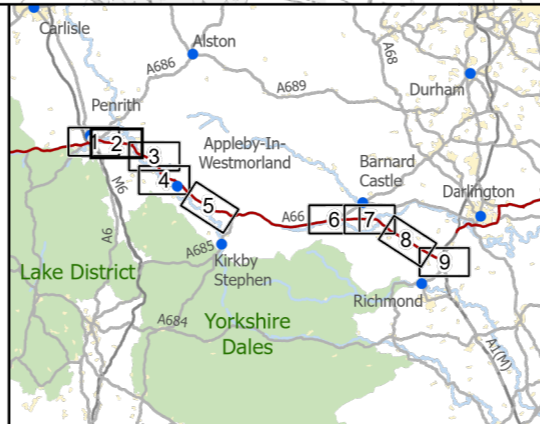
Route Alignment
 Order Limits
 Affected Road Network (ARN) – Construction Traffic Links

Construction Dust Risk Area
 200m
 100m
 50m

Construction Traffic Human Sensitive Receptor (HSR)
 Annual mean NO₂ concentration in Do-Something Scenario (2024)
 ● >40µg/m³
 ● 36-40µg/m³
 ● <36µg/m³

Construction Traffic Designated Ecological Site Receptor
 Change in nitrogen deposition relative to lower critical load (2024)
 ▲ >1% increase
 ▲ >1% reduction
 △△△ Construction Traffic Designated Ecological Site Receptor Transact
 Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

Construction Dust Designated Site Receptor
 Special Area of Conservation (SAC)
 Site of Special Scientific Interest (SSSI)
 Ancient Woodland (AW)
 County Wildlife Site (CWS)
 Local Wildlife Site (LWS)
 Ancient and Veteran Tree
Construction Dust Human Receptor
 ● Human Sensitive Receptor



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P02	First Issue				
	JBAR	LHAN	JLIN	AMIT	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres
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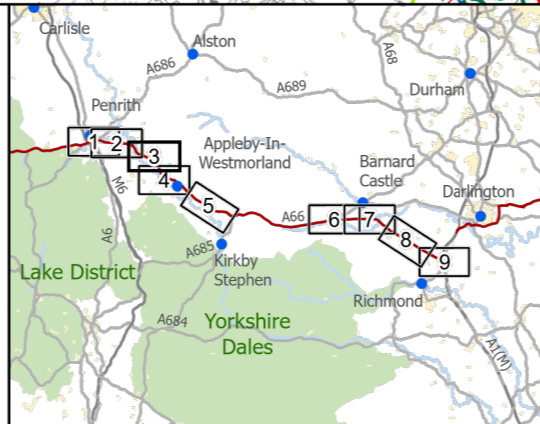
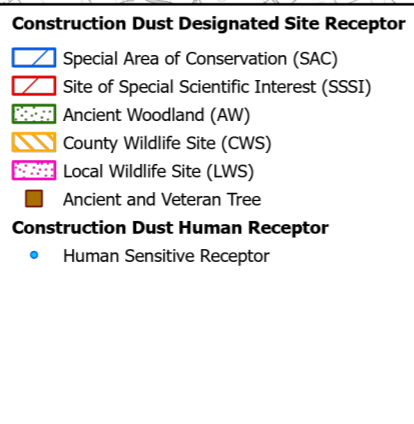
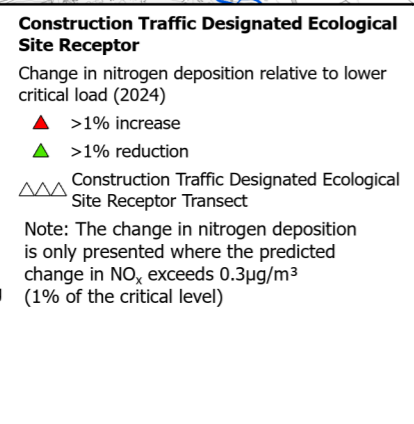
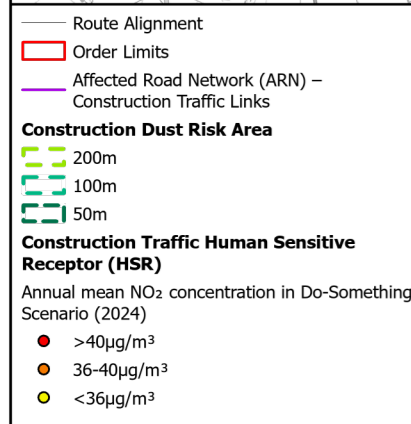
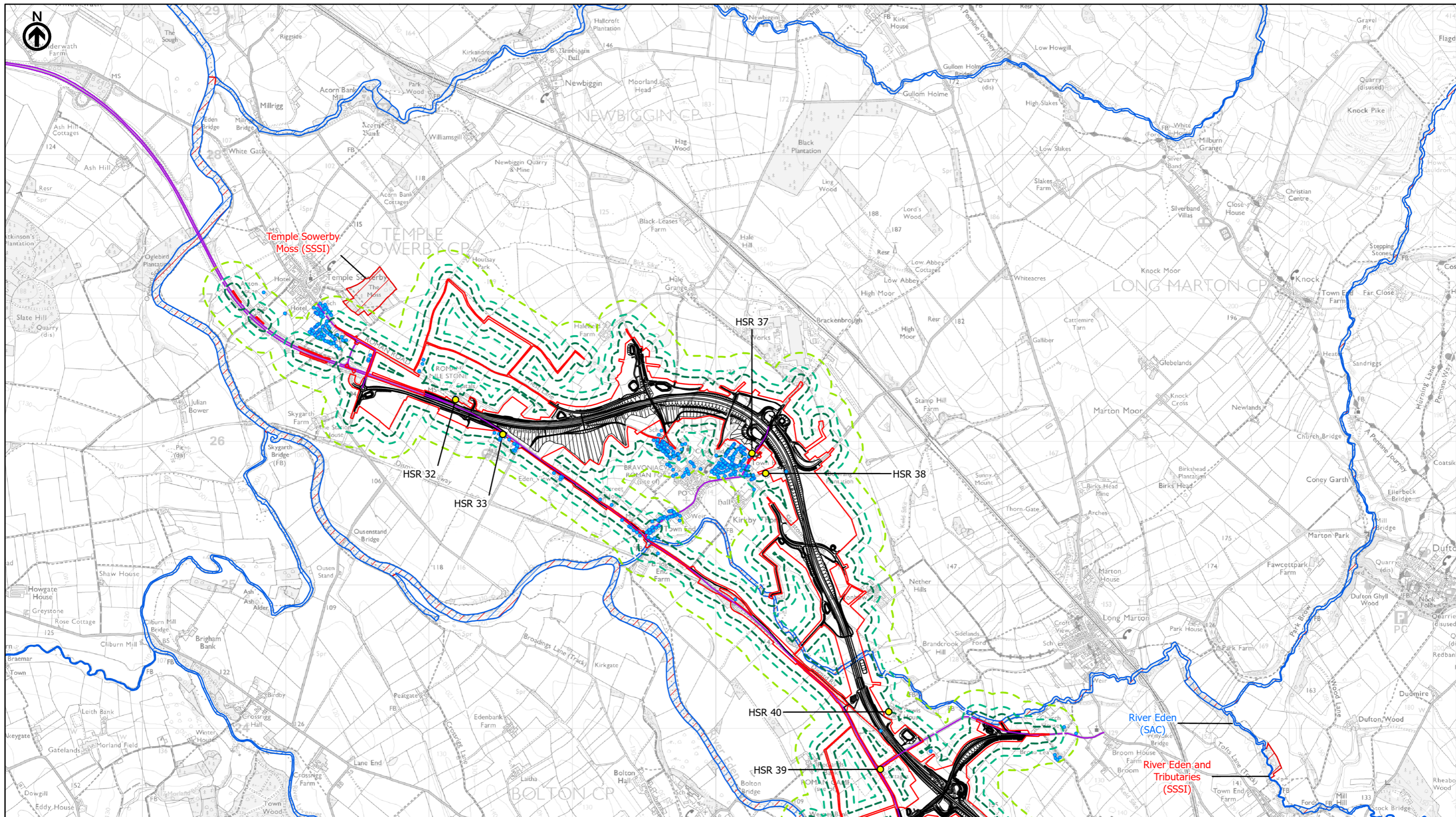
Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.3

Air Quality Construction Phase Assessment
 Scheme: 03, Penrith to Temple Sowerby
 Sheet 2 of 9

Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LA	-
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P02

Suitability S4 | Suitability Description FIT FOR STAGE APPROVAL | Revision P02



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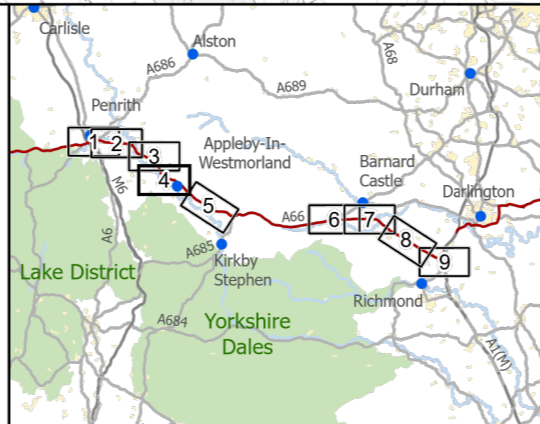
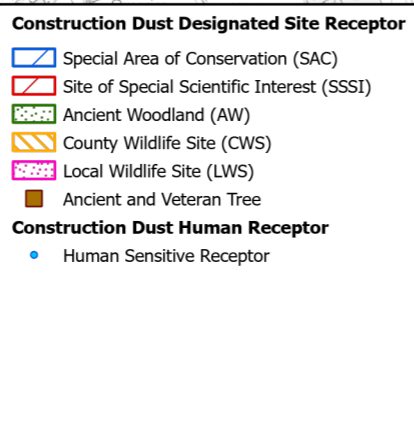
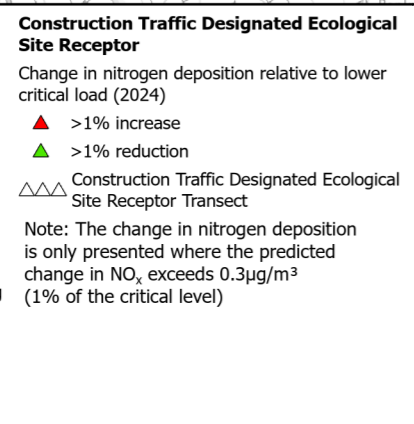
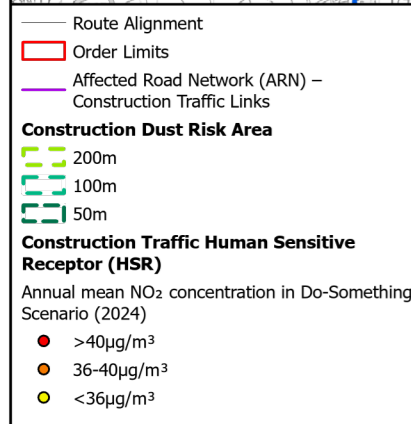
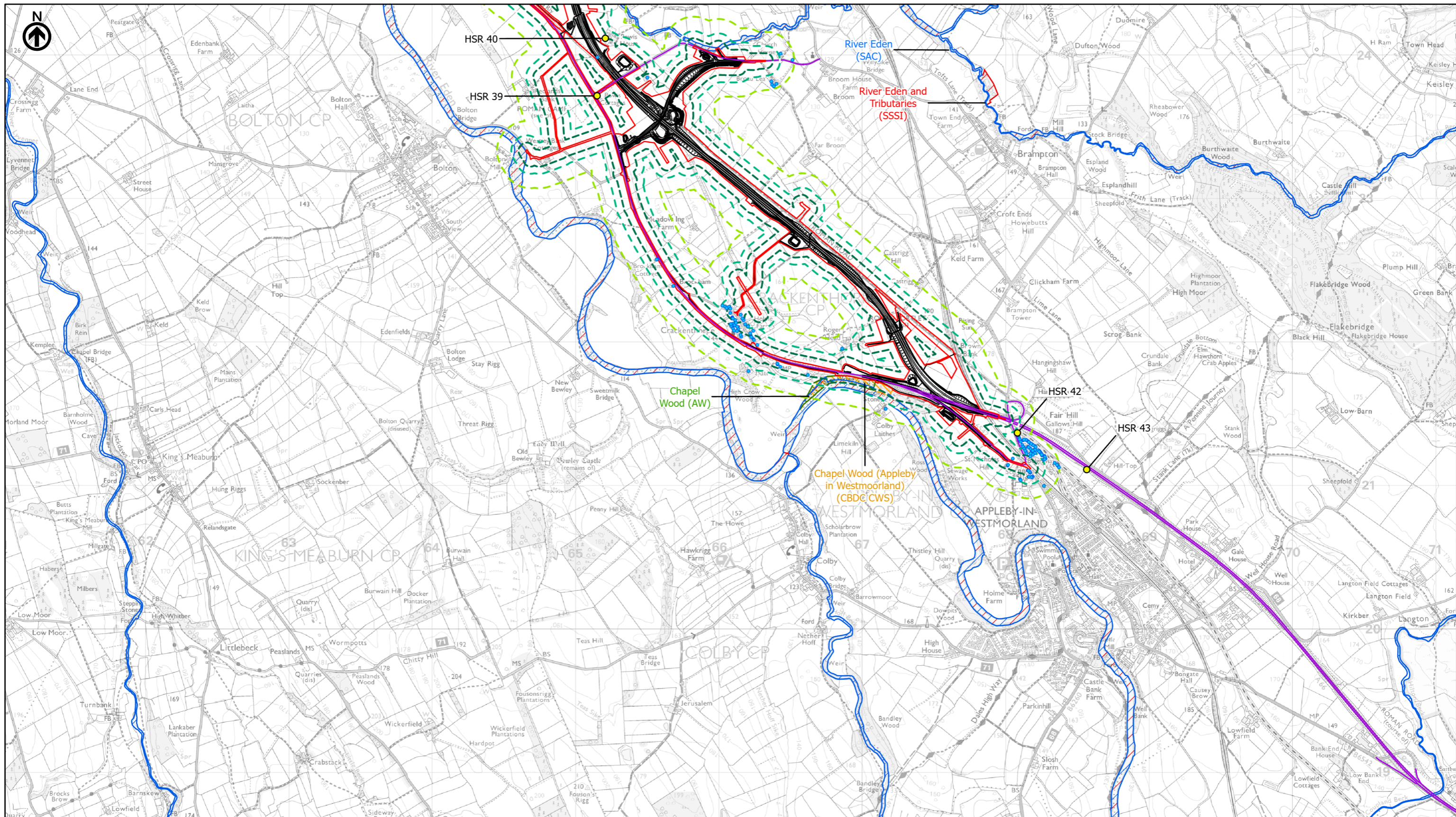
P02	First Issue	JBAR	LHAN	JLIN	AMIT	KWHA
	Created	21/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.3			
Air Quality Construction Phase Assessment			
Scheme: 0405, Temple Sowerby to Appleby			
Sheet 3 of 9			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
S00	MP	LA	002044
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P02	



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P02	First Issue				
	JBAR	LHAN	JLIN	AMIT	KWHA
	21/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

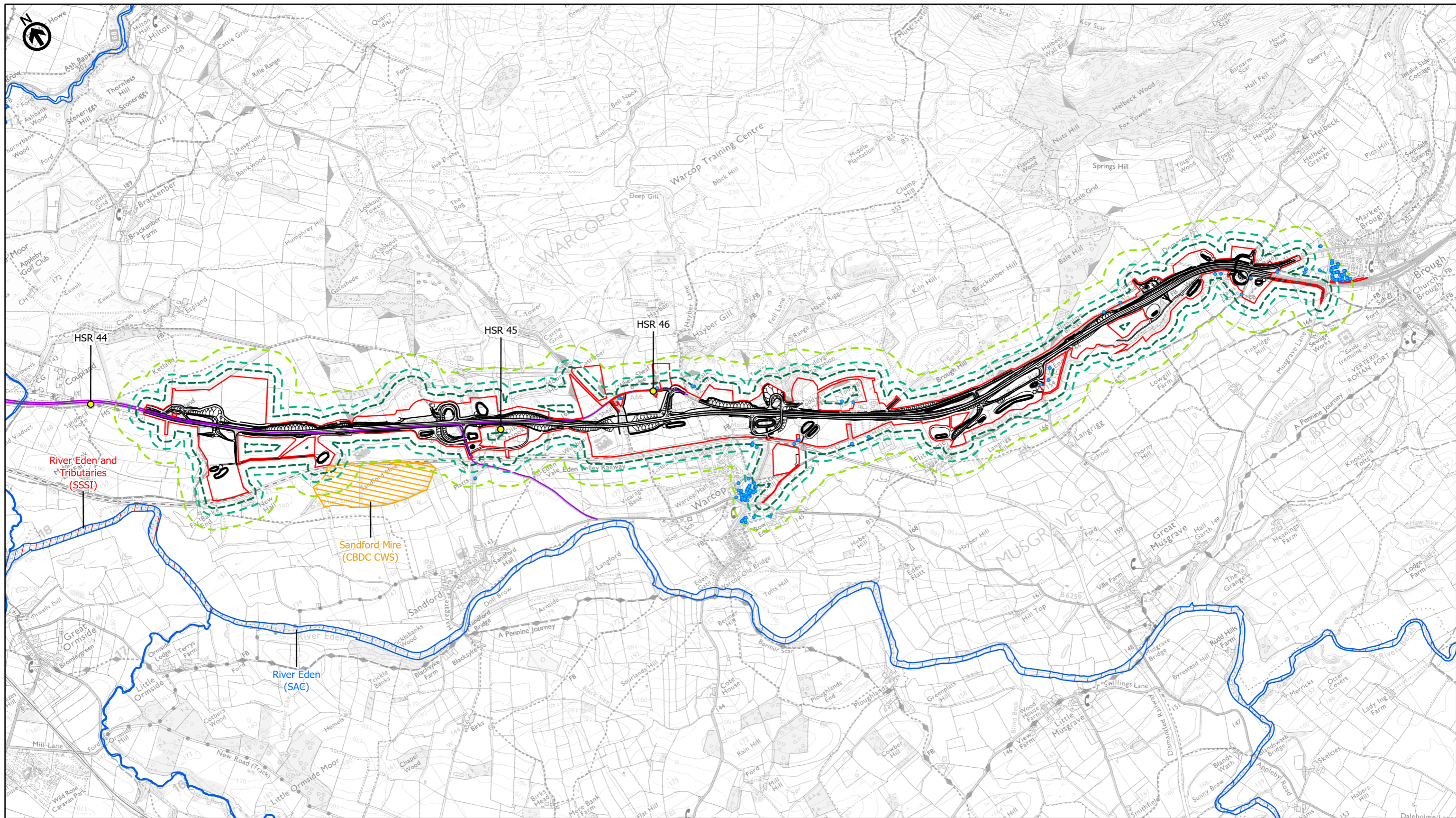
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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.3
Air Quality Construction Phase Assessment Scheme: 0405, Temple Sowerby to Appleby
Sheet 4 of 9

Map Number	Project	Originator	Volume
HE565627	S00	AMY	EAQ
	Location	Type	Role
		MP	LA
			002045

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



Route Alignment

- Route Alignment
- ▭ Order Limits
- Affected Road Network (ARN) - Construction Traffic Links

Construction Dust Risk Area

- ▭ 200m
- ▭ 100m
- ▭ 50m

Construction Traffic Human Sensitive Receptor (HSR)

Annual mean NO₂ concentration in Do-Nothing Scenario (2024)

- >40µg/m³
- 36-40µg/m³
- <36µg/m³

Construction Traffic Designated Ecological Site Receptor

Change in nitrogen deposition relative to lower critical load (2024)

- ▲ >1% increase
- ▲ >1% reduction
- △△△ Construction Traffic Designated Ecological Site Receptor Transact

Note: The change in nitrogen deposition is only presented where the predicted change in NO_x exceeds 0.3µg/m³ (1% of the critical level)

Construction Dust Designated Site Receptor

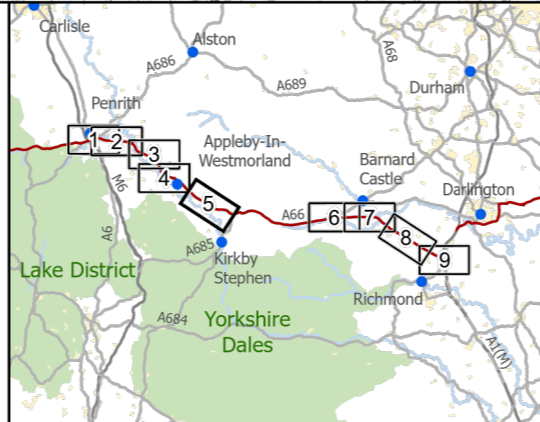
- ▭ Special Area of Conservation (SAC)
- ▭ Site of Special Scientific Interest (SSSI)
- ▭ Ancient Woodland (AW)
- ▭ County Wildlife Site (CWS)
- ▭ Local Wildlife Site (LWS)

Construction Dust Designated Site Receptor

- Ancient and Veteran Tree

Construction Dust Human Receptor

- Human Sensitive Receptor



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P03	Second Issue: Revised Order Limits				
	PKEL	CESL	JHOD	AWAR	KWHA
	19/04/23	19/04/23	19/04/23	16/05/23	16/05/23
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.3

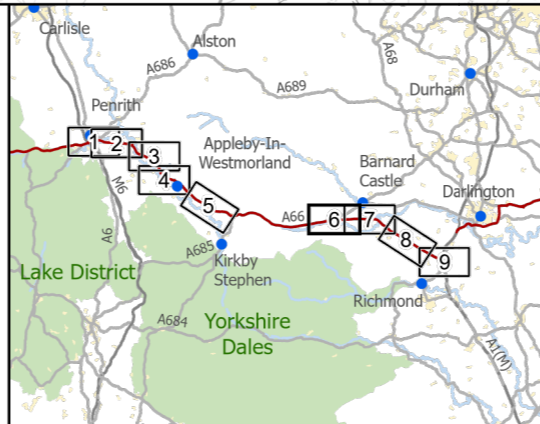
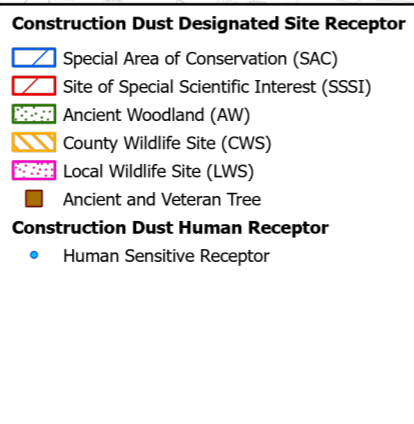
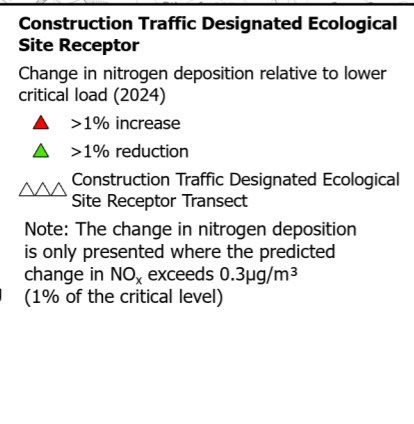
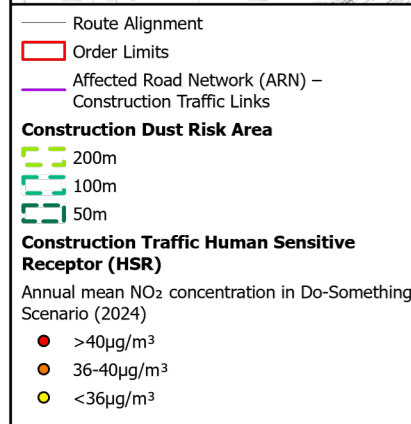
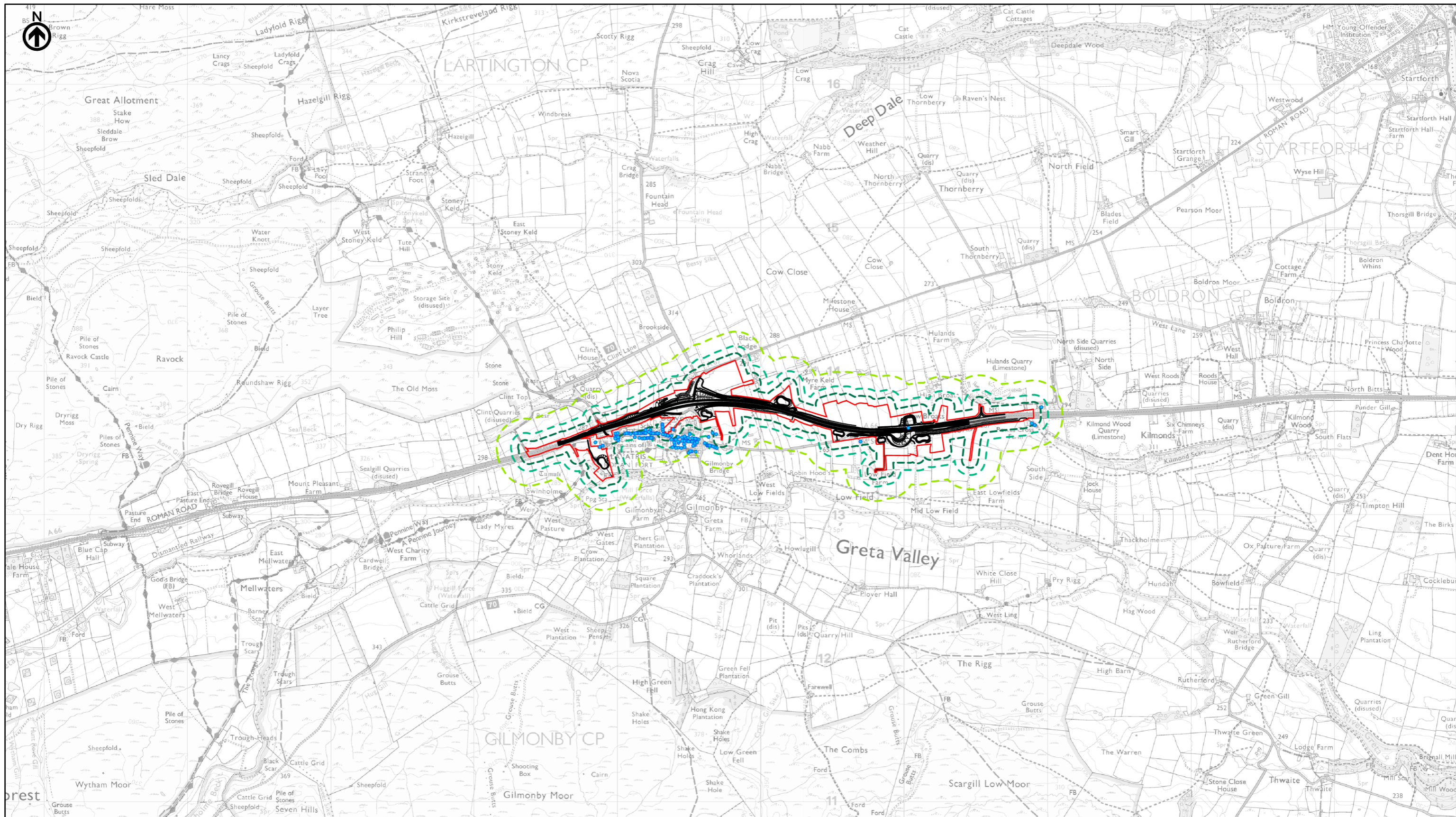
Air Quality Construction Phase Assessment

Scheme: 06, Appleby to Brough

Sheet 5 of 9

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002046
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P03



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P02	First Issue	JBAR	LHAN	JLIN	AMIT	KWHA
	21/03/22	04/04/22	04/04/22	26/04/22	26/04/22	
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name
A66 Northern Trans-Pennine Project

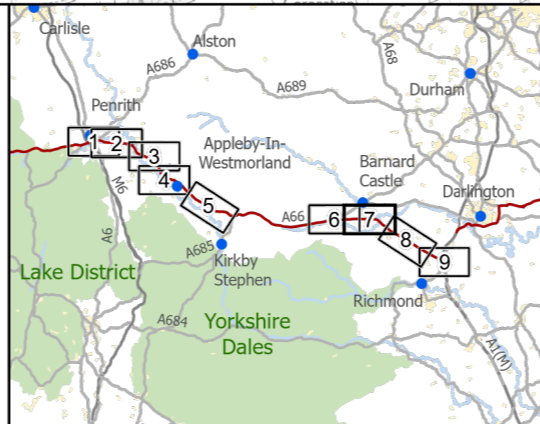
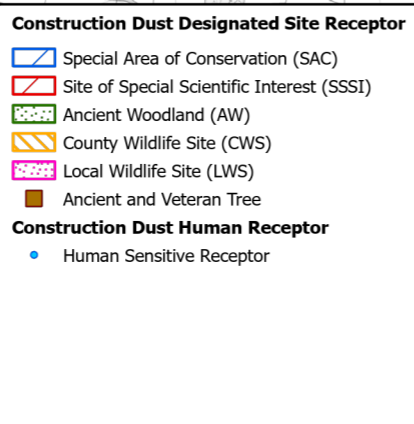
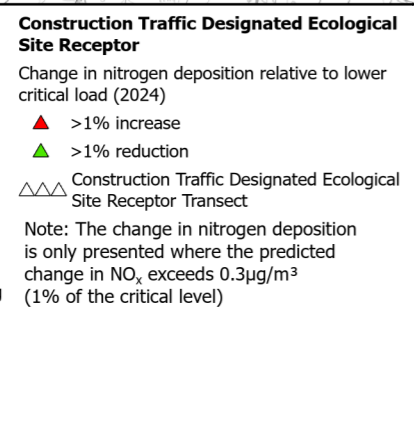
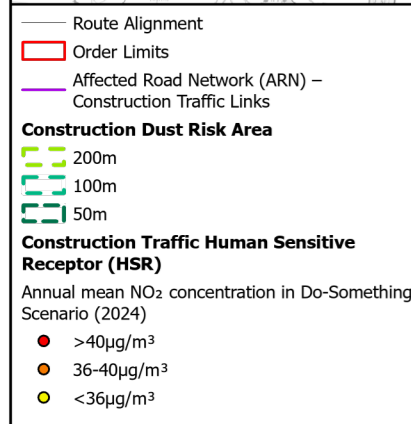
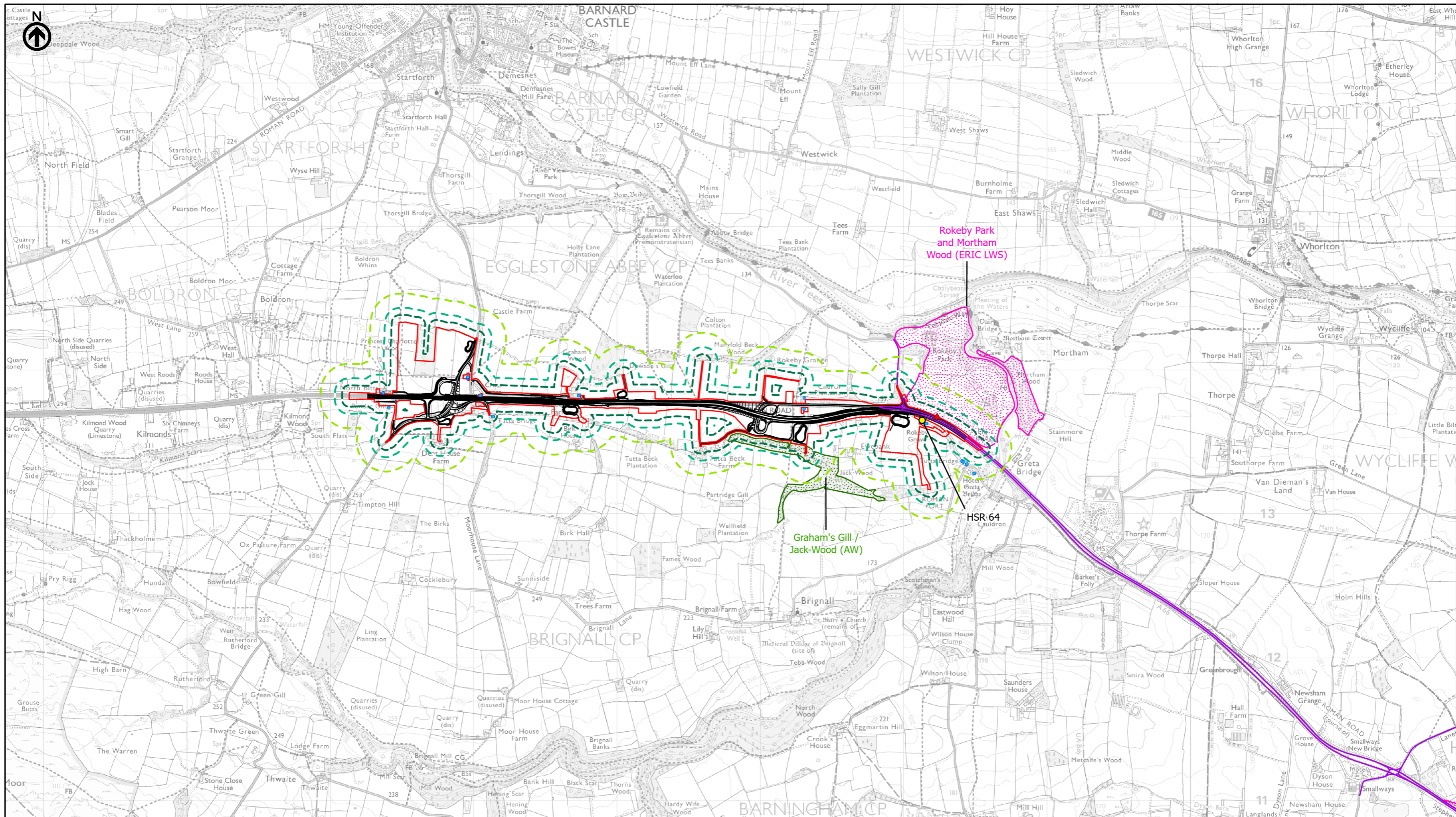
Map Title
Figure 5.3

Air Quality Construction Phase Assessment

Scheme: 07, Bowes Bypass
 Sheet 6 of 9

Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	-
Location		Type	Role
S4		LA	EAQ

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



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P02	First Issue	JBAR	LHAN	JLIN	AMIT	KWHA
		21/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

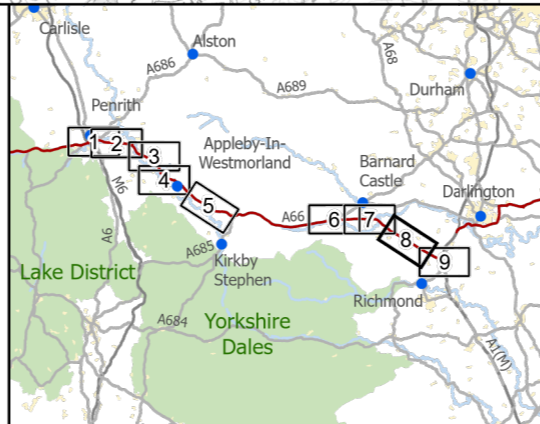
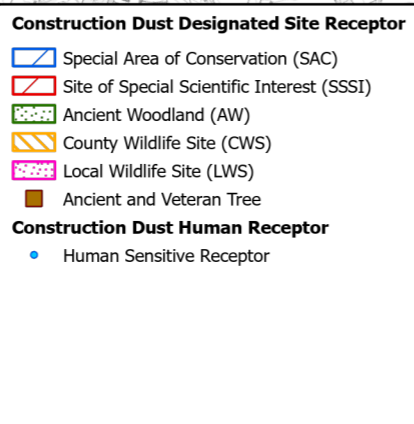
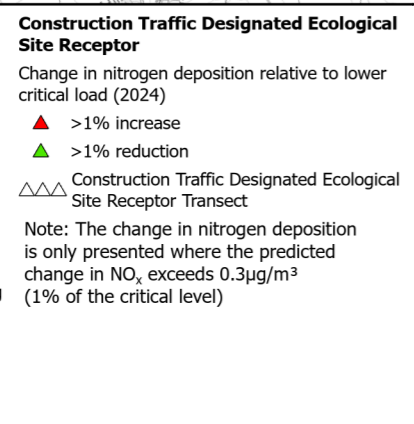
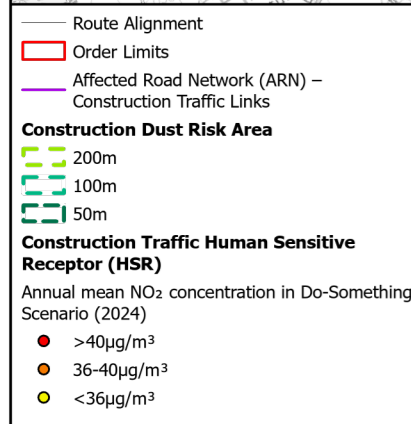
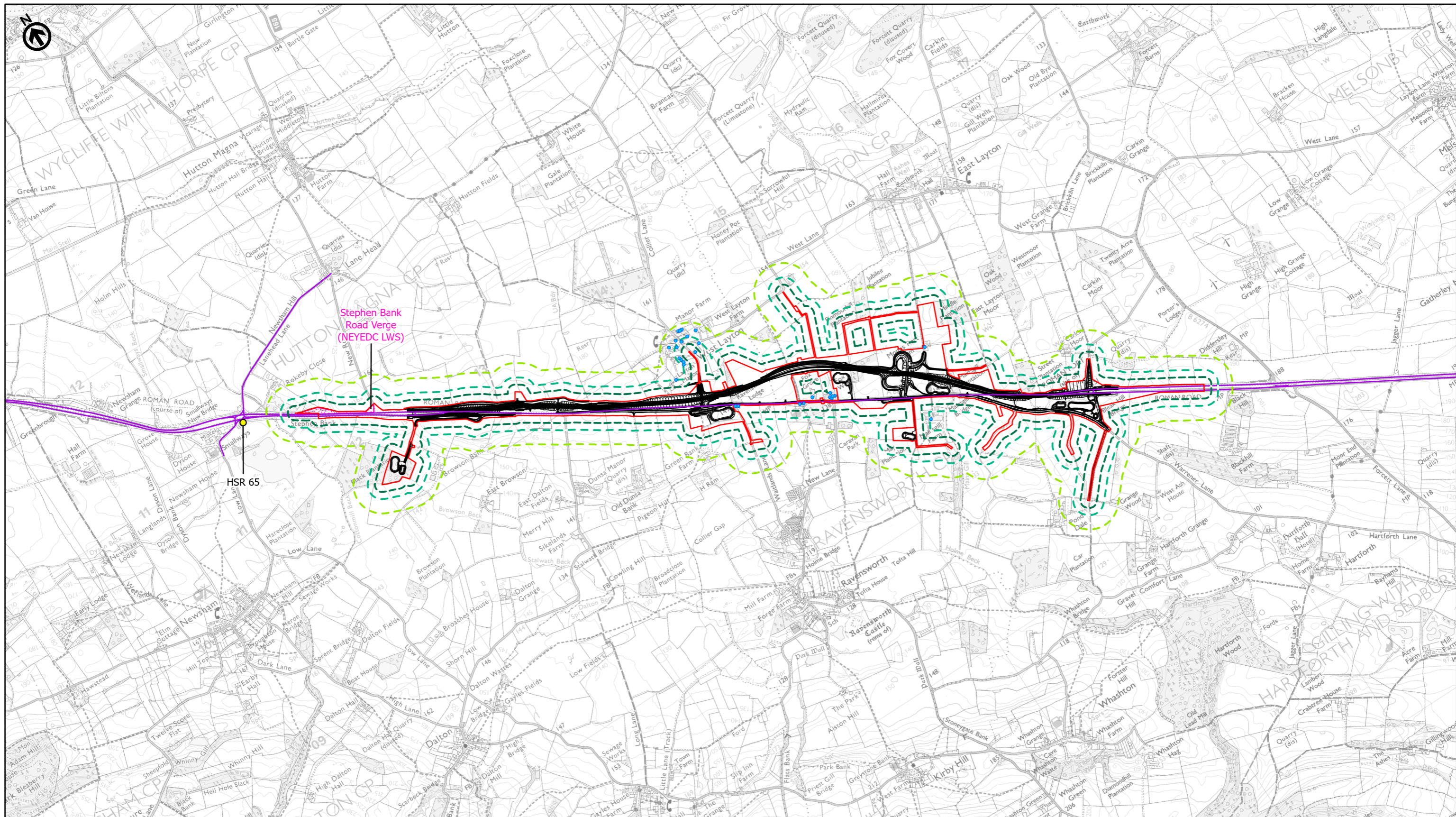
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.3			
Air Quality Construction Phase Assessment			
Scheme: 08, Cross Lanes to Rokeby			
Sheet 7 of 9			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LA	-
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



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P02	First Issue				
	JBAR	LHAN	JLIN	AMIT	KWHA
	21/03/22	04/04/22	04/04/22	26/04/22	26/04/22
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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.3

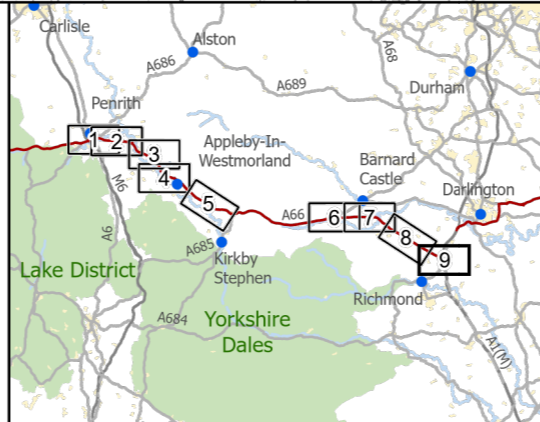
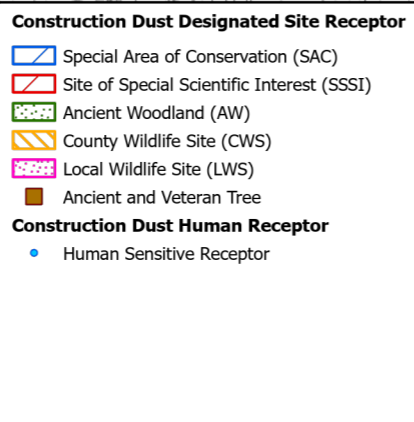
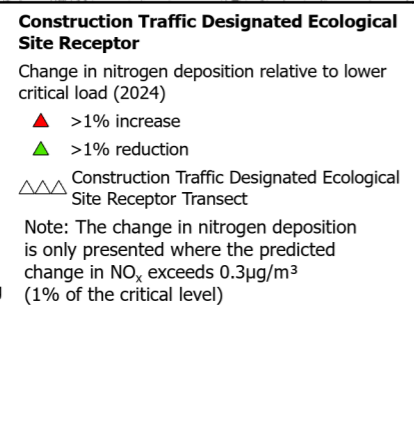
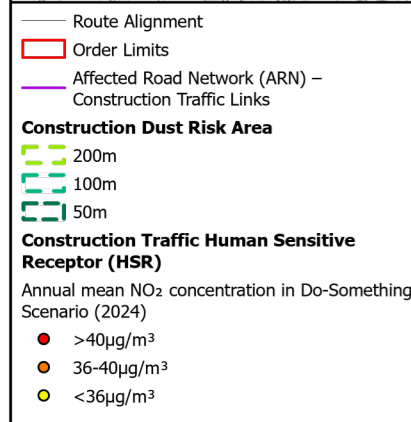
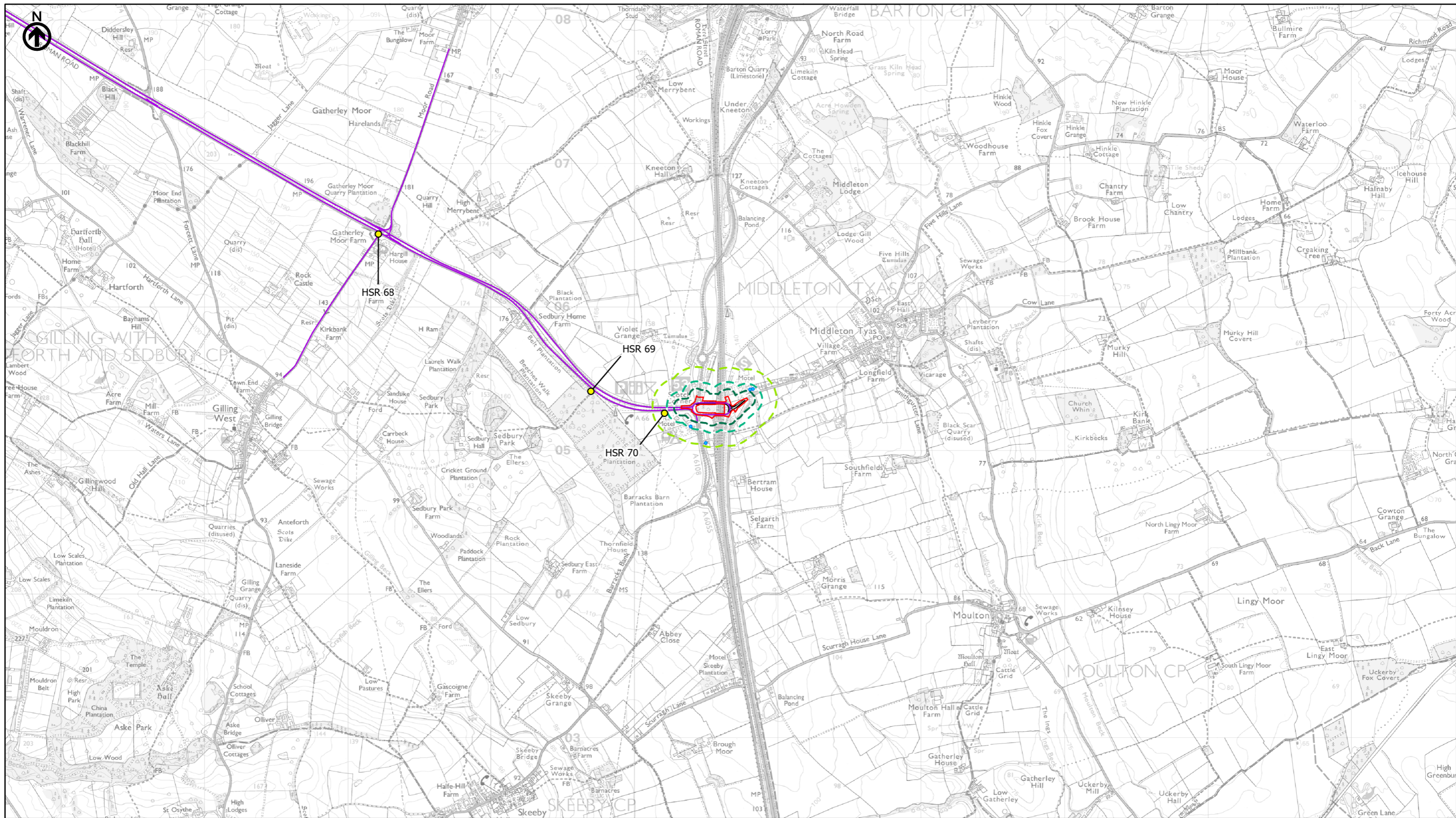
Air Quality Construction Phase Assessment

Scheme: 09, Stephen Bank to Carkin Moor

Sheet 8 of 9

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
Location	Type	Role	Number
S00	-	MP - LA	002049

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



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P02	First Issue				
	JBAR	LHAN	JLIN	AMIT	KWHA
	21/03/22	04/04/22	04/04/22	26/04/22	26/04/22
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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.3

Air Quality Construction Phase Assessment

Scheme: 11, A1(M) Junction 53 Scotch Corner

Sheet 9 of 9

Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP	-
Location		Type	Role
			Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02