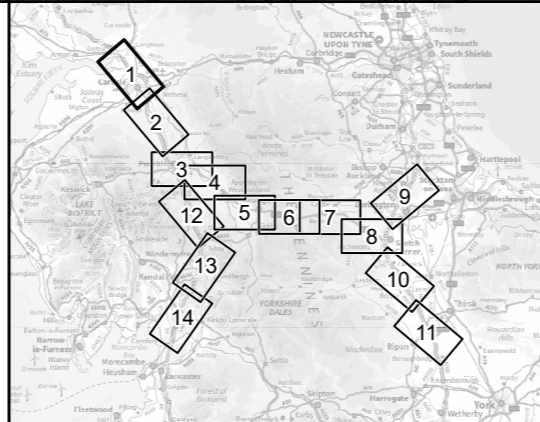




- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)
 - >40µg/m³
 - 36-40µg/m³
 - 32-36µg/m³
 - <32µg/m³

- Scheme Specific - Annual Mean NO₂ Concentration (2019)**
 - >40µg/m³
 - 36-40µg/m³
 - 32-36µg/m³
 - <32µg/m³
- Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)**
 - >8µg/m³
 - 6-8µg/m³
 - 4-6µg/m³
 - <4µg/m³

- Designated Site**
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Nature Improvement Area
 - Site of Special Scientific Interest (SSSI)
 - Ancient Woodland (AW)
 - County Wildlife Site (CWS)
 - Local Wildlife Site (LWS)
 - Ancient and Veteran Tree



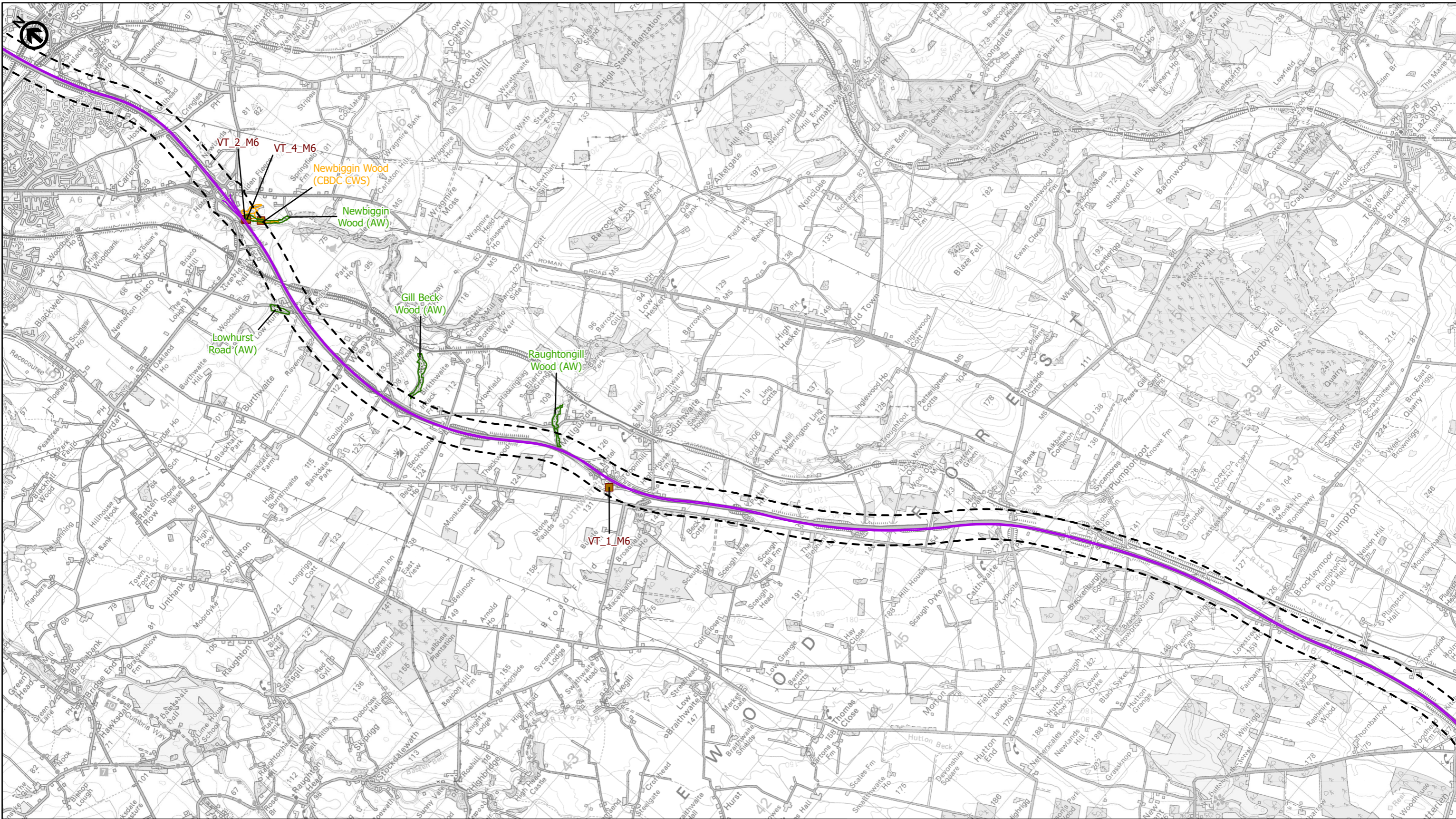
national highways 3 Piccadilly Place Manchester M1 3BN

P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

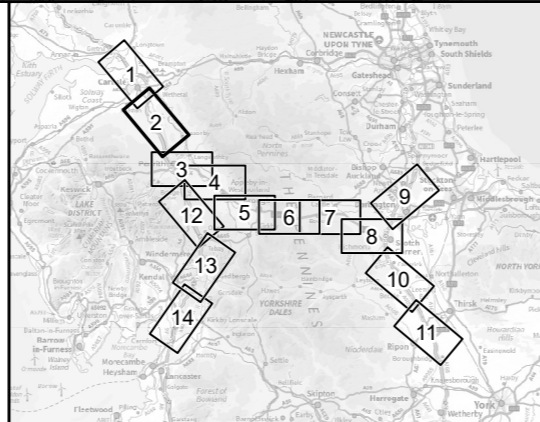
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 1 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
S00		MP	LA - 002028
Location		Type	Role Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P02

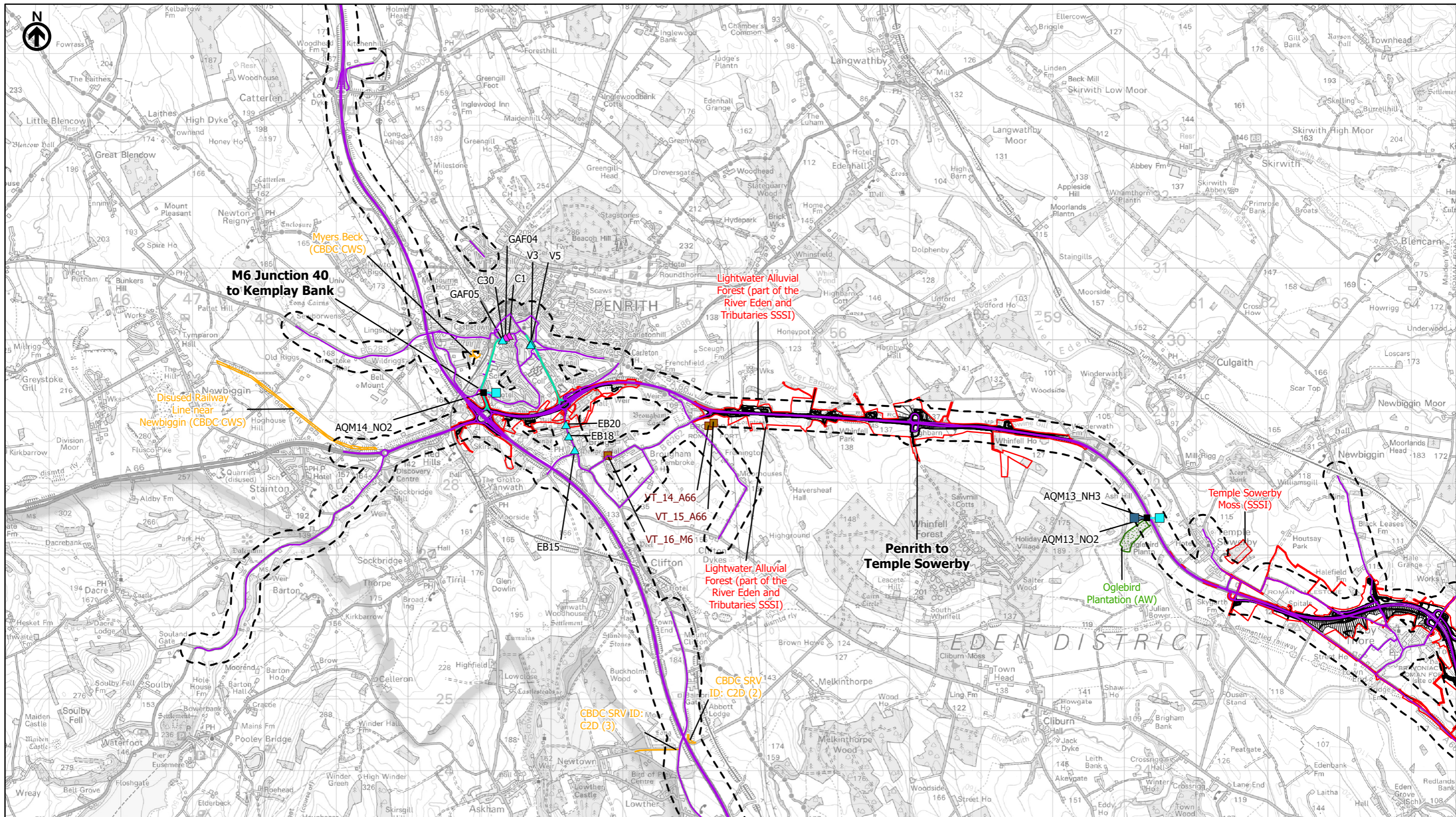


<ul style="list-style-type: none"> Route Alignment Order Limits 200m Operational Air Quality Study Area Affected Road Network (ARN) Pollution Climate Mapping (PCM) Road Link (2019) Monitoring Location Local Authority and National Highways - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ 	<ul style="list-style-type: none"> Scheme Specific - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ Scheme Specific - Mean Ammonia (NH₃) Concentration (2022) >8µg/m³ 6-8µg/m³ 4-6µg/m³ <4µg/m³ 	<ul style="list-style-type: none"> Designated Site Special Protection Area (SPA) Special Area of Conservation (SAC) Nature Improvement Area Site of Special Scientific Interest (SSSI) Ancient Woodland (AW) County Wildlife Site (CWS) Local Wildlife Site (LWS) Ancient and Veteran Tree
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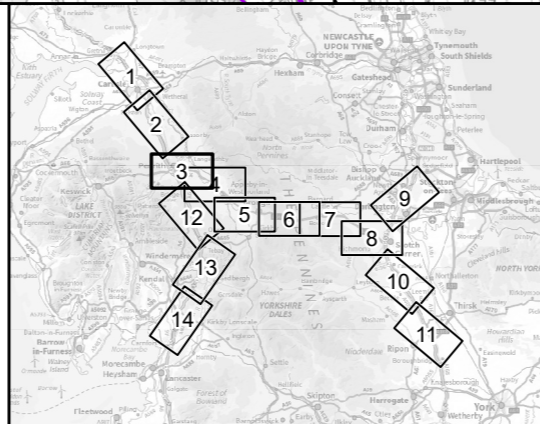


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		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	
Kilometres 0 2 4						
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 2 of 14			
Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00		MP - LA - 002029	
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02

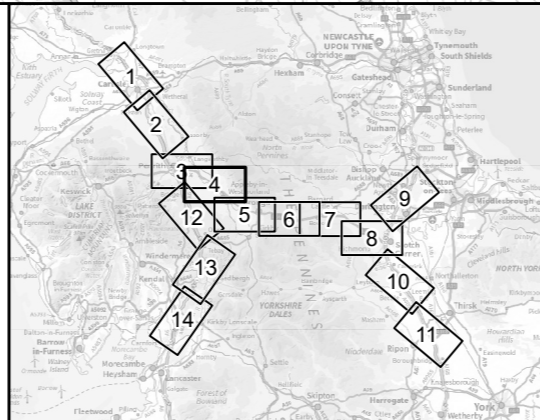
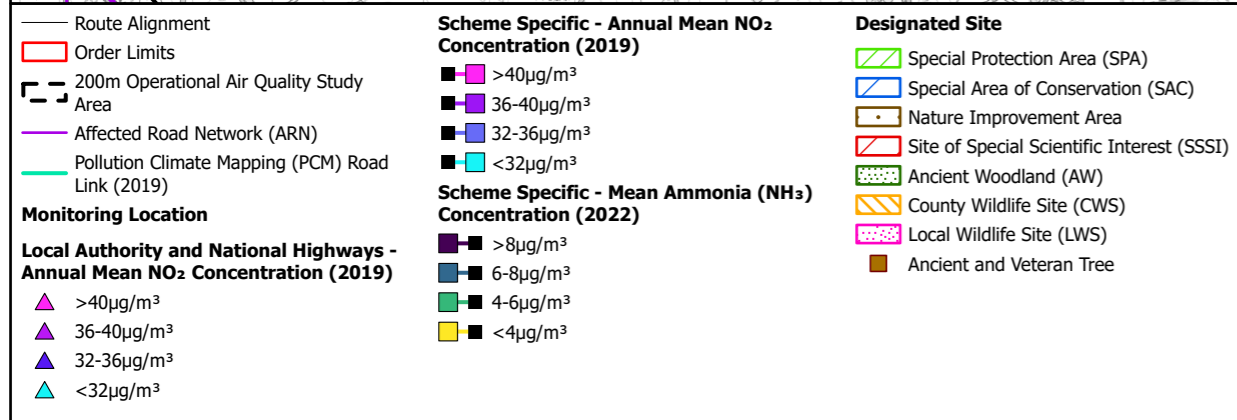
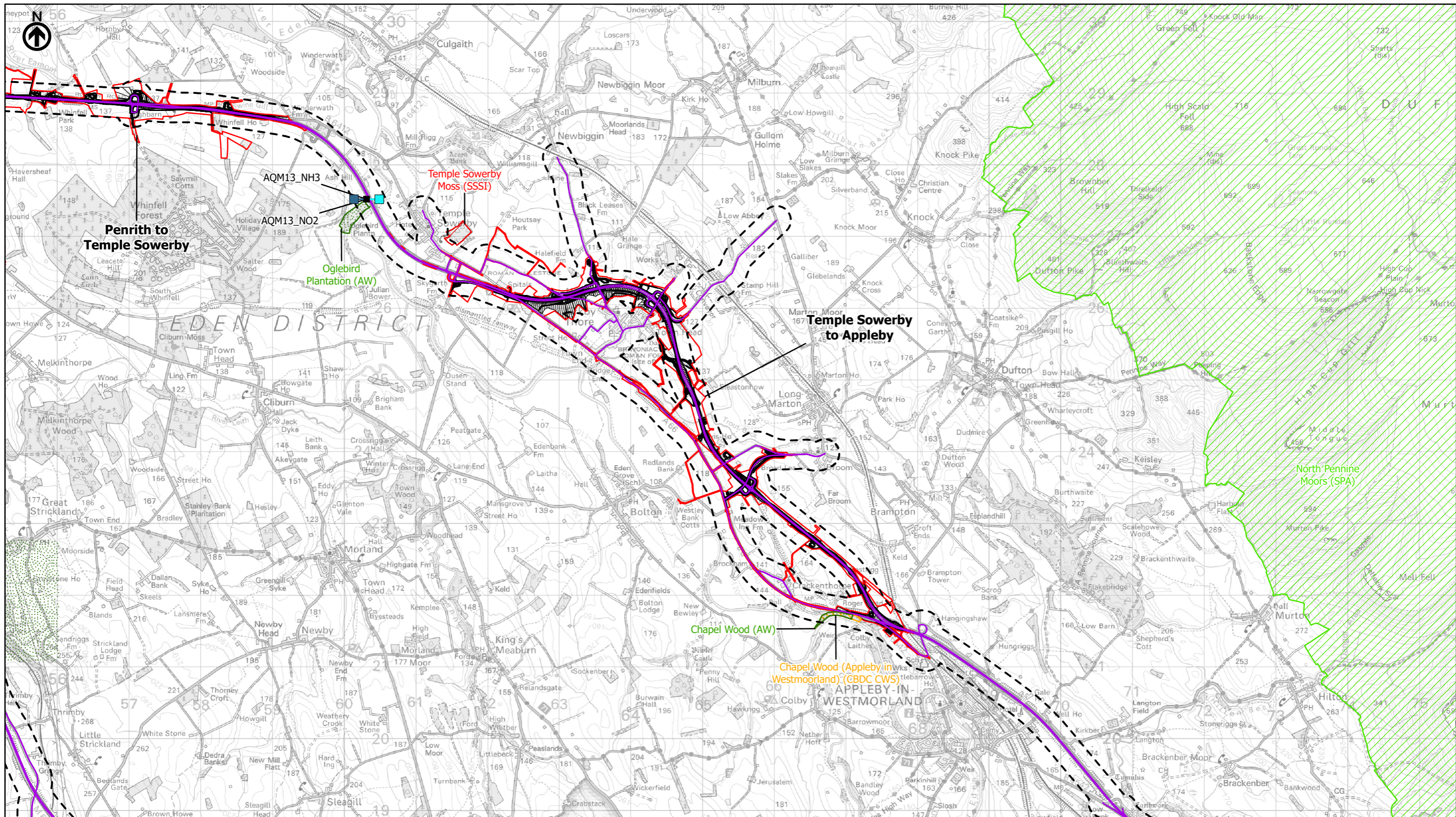


<ul style="list-style-type: none"> Route Alignment Order Limits 200m Operational Air Quality Study Area Affected Road Network (ARN) Pollution Climate Mapping (PCM) Road Link (2019) Monitoring Location Local Authority and National Highways - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ 	<ul style="list-style-type: none"> Scheme Specific - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ Scheme Specific - Mean Ammonia (NH₃) Concentration (2022) >8µg/m³ 6-8µg/m³ 4-6µg/m³ <4µg/m³ 	<ul style="list-style-type: none"> Designated Site Special Protection Area (SPA) Special Area of Conservation (SAC) Nature Improvement Area Site of Special Scientific Interest (SSSI) Ancient Woodland (AW) County Wildlife Site (CWS) Local Wildlife Site (LWS) Ancient and Veteran Tree
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national highways	3 Piccadilly Place Manchester M1 3BN					
	P02	First Issue	PKEL	JLIN	AMIT	KWHA
		18/03/22	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 5.2			
Air Quality Baseline			
Sheet 3 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
Location		Type	Role
S00		MP	LA
S00		MP	LA
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02

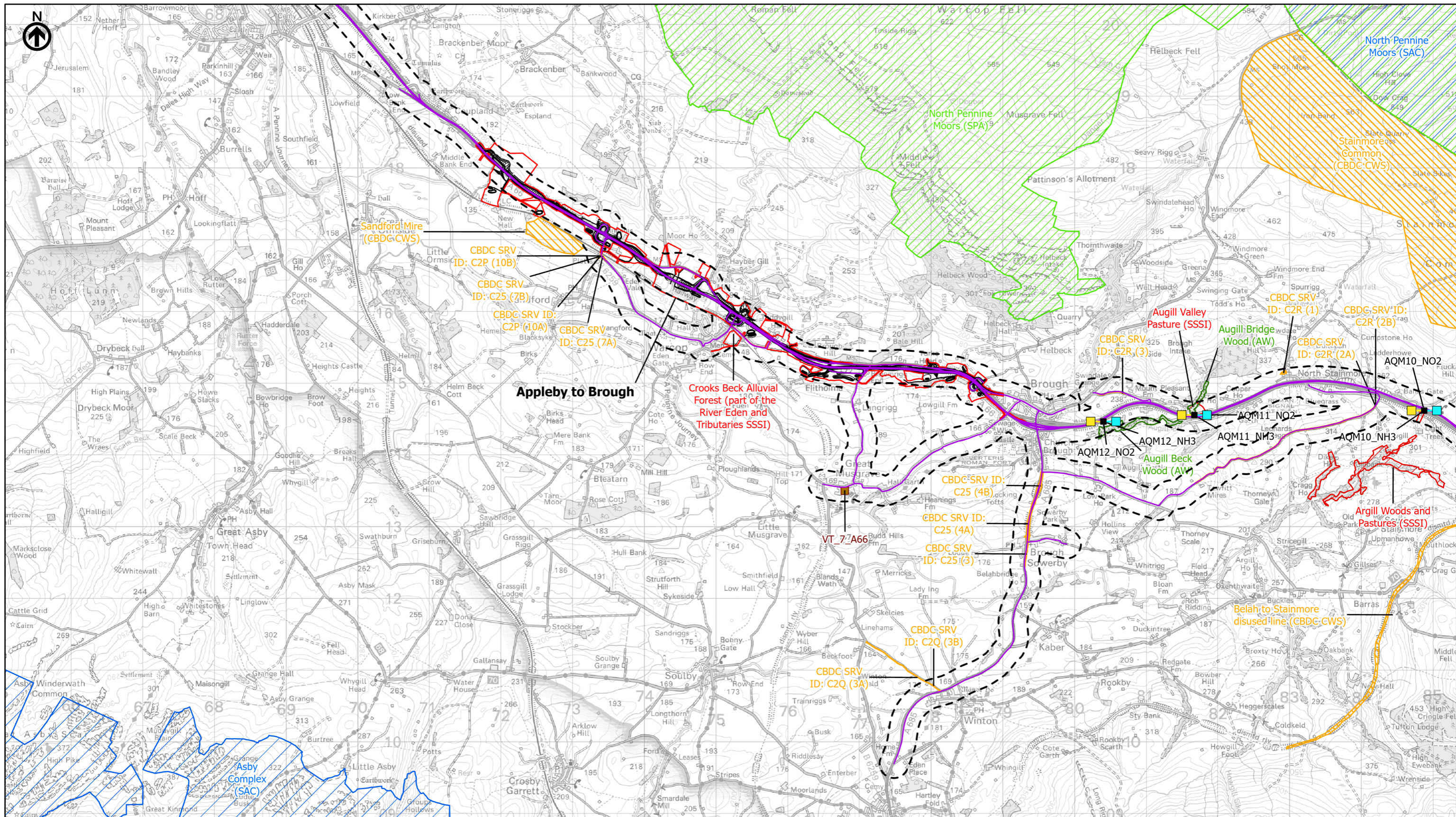


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P02	First Issue	PKEL	JLIN	AMIT	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 4 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
Location		Type	Role
S00		MP	LA
S00		MP	LA
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



Route Alignment

- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

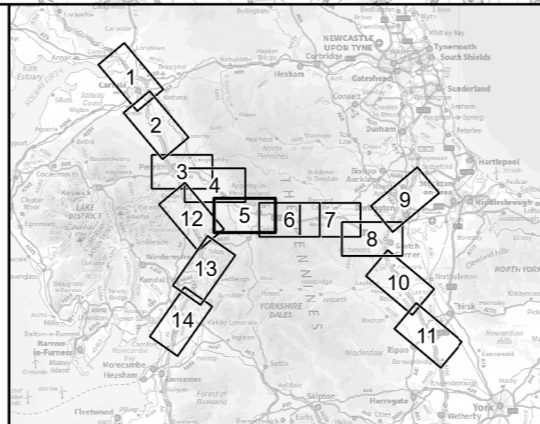
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree



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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

Kilometres

Scale @ A3: 1:50,000 | Project Ref No HE565627 | Stage: Stage 3

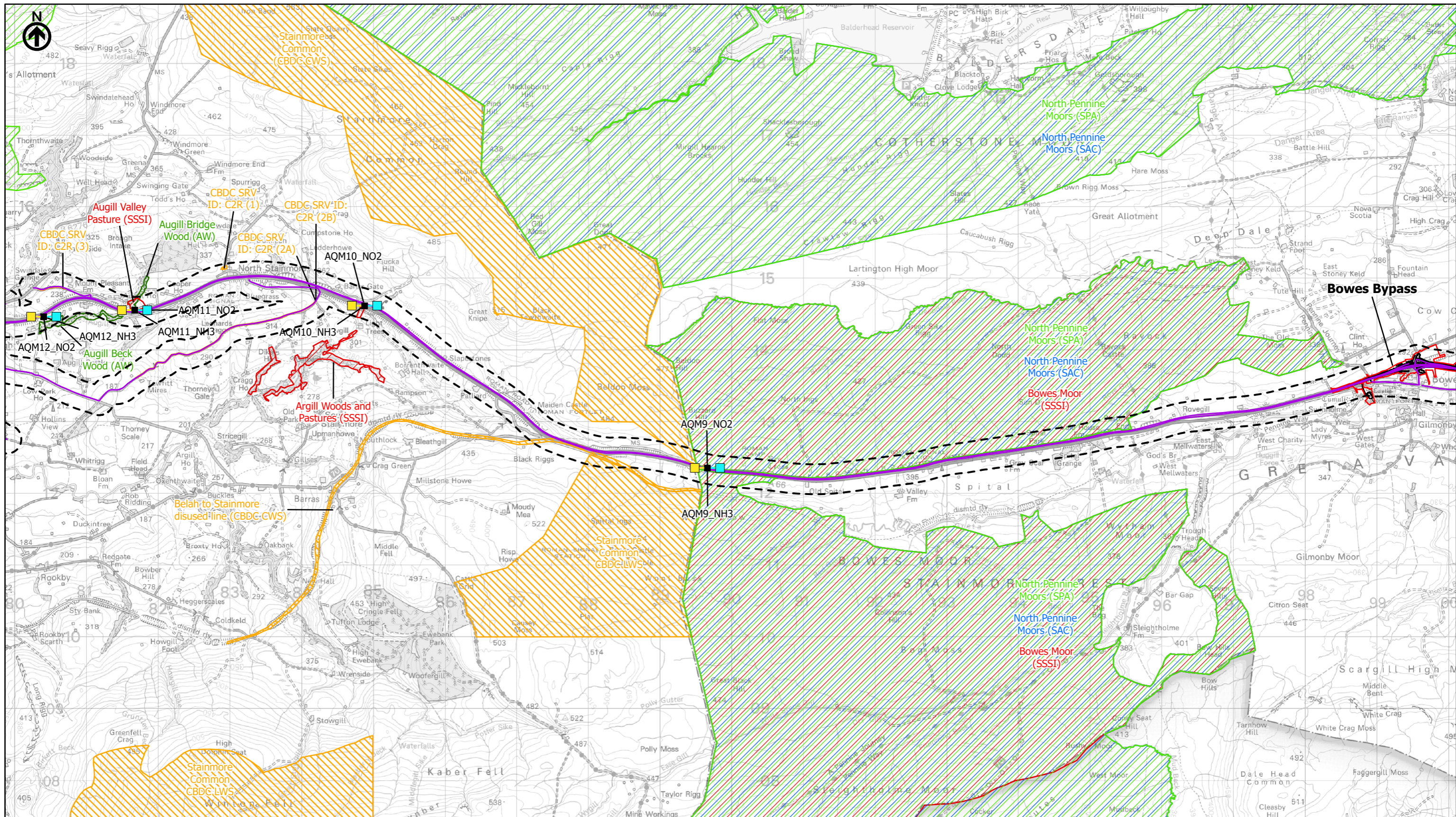
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Project Name
A66 Northern Trans-Pennine Project

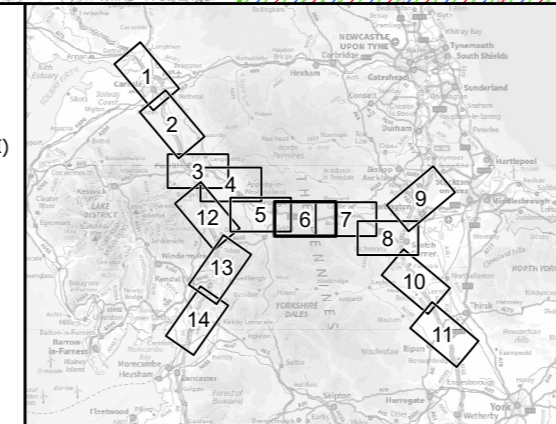
Map Title
Figure 5.2
Air Quality Baseline
Sheet 5 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
Location	Type	Role	Number
S00	-	MP - LA	002032

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P03

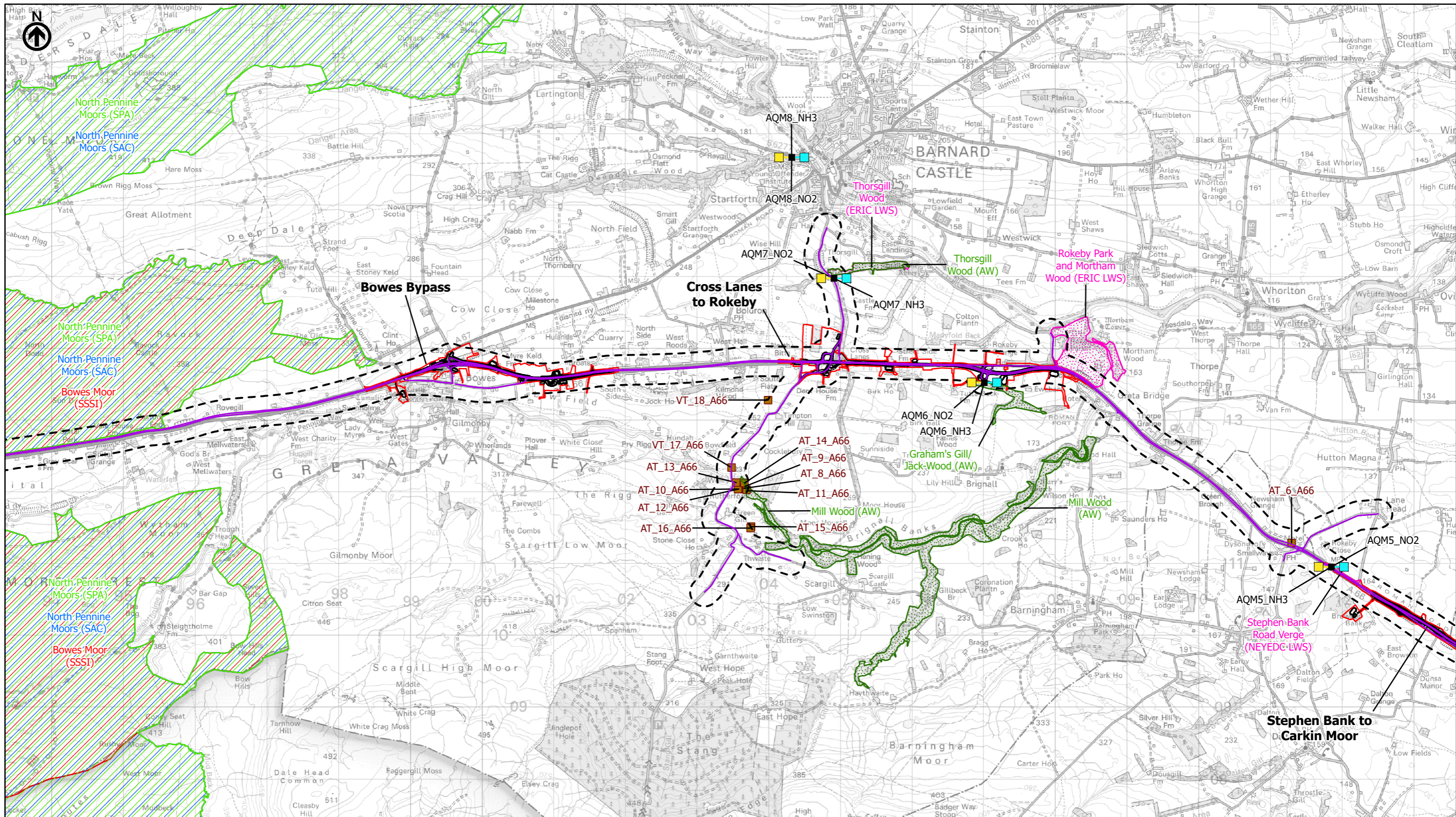


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national highways	3 Piccadilly Place Manchester M1 3BN					
	P02	First Issue	PKEL	JLIN	AMIT	KWHA
	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22	
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 6 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
S00	MP	LA	002033
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL	Revision P02	



— Route Alignment
 [Red Outline] Order Limits
 [Dashed Box] 200m Operational Air Quality Study Area
 [Purple Line] Affected Road Network (ARN)
 [Green Line] Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- ▲ >40µg/m³
- ▲ 36-40µg/m³
- ▲ 32-36µg/m³
- ▲ <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

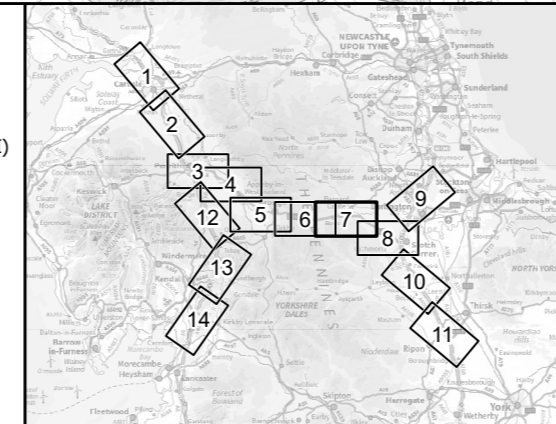
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- [Green Hatched] Special Protection Area (SPA)
- [Blue Hatched] Special Area of Conservation (SAC)
- [Orange Hatched] Nature Improvement Area
- [Red Hatched] Site of Special Scientific Interest (SSSI)
- [Green Dotted] Ancient Woodland (AW)
- [Yellow Dotted] County Wildlife Site (CWS)
- [Pink Dotted] Local Wildlife Site (LWS)
- [Brown Square] Ancient and Veteran Tree



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 Manchester
 M1 3BN

P02	First Issue	PKEL	JLIN	AMIT	KWA
	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
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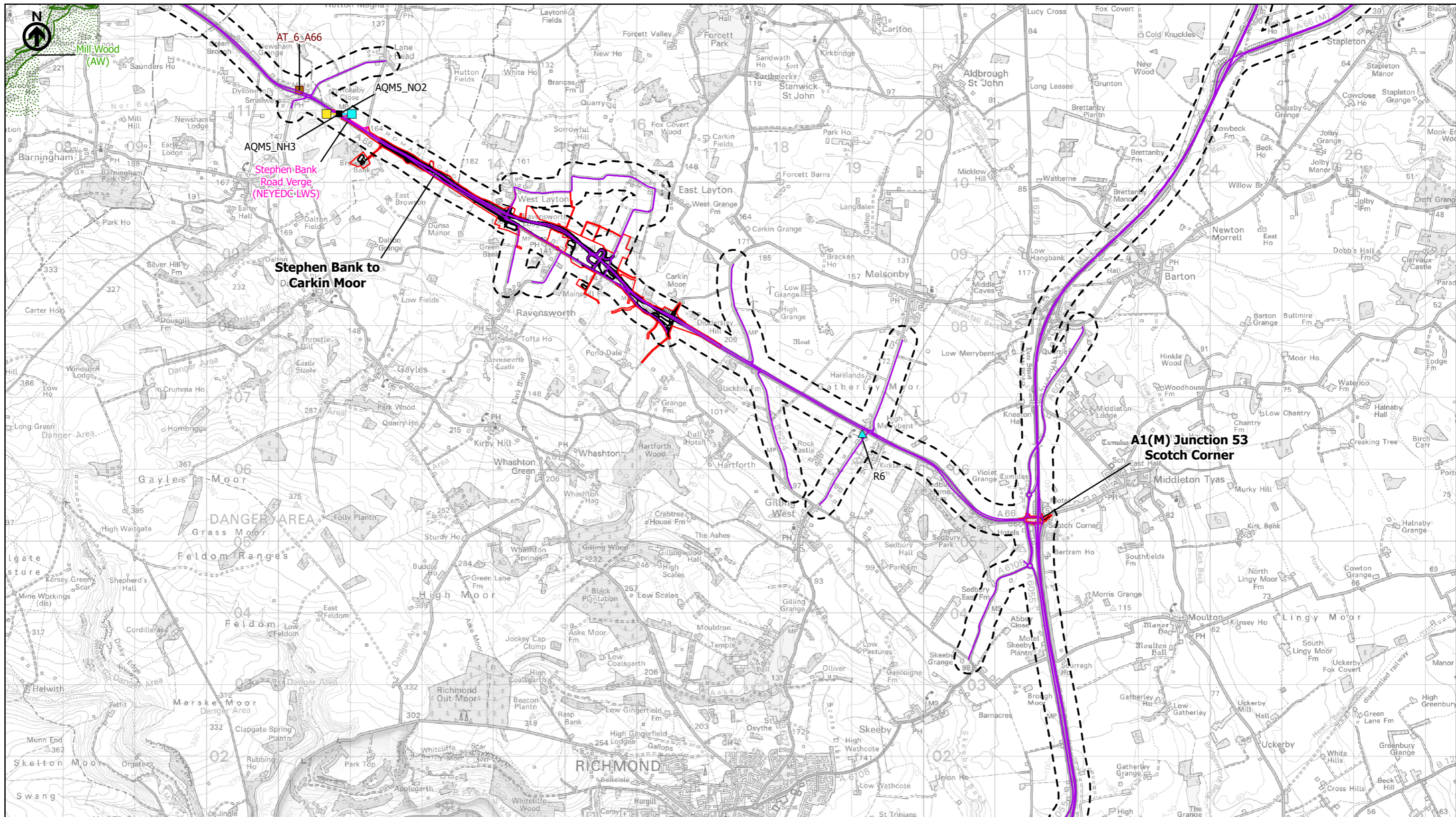
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Project Name
A66 Northern Trans-Pennine Project

Map Title
**Figure 5.2
 Air Quality Baseline
 Sheet 7 of 14**

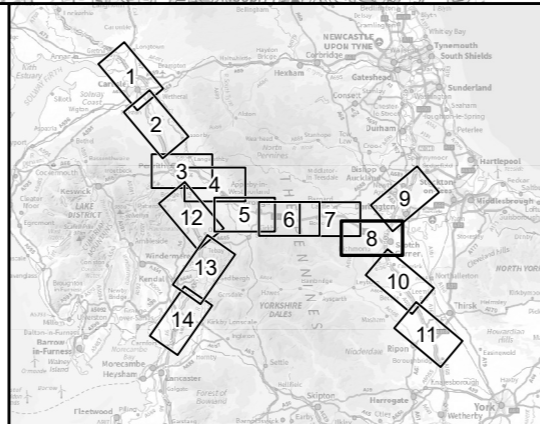
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		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location**
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)**
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

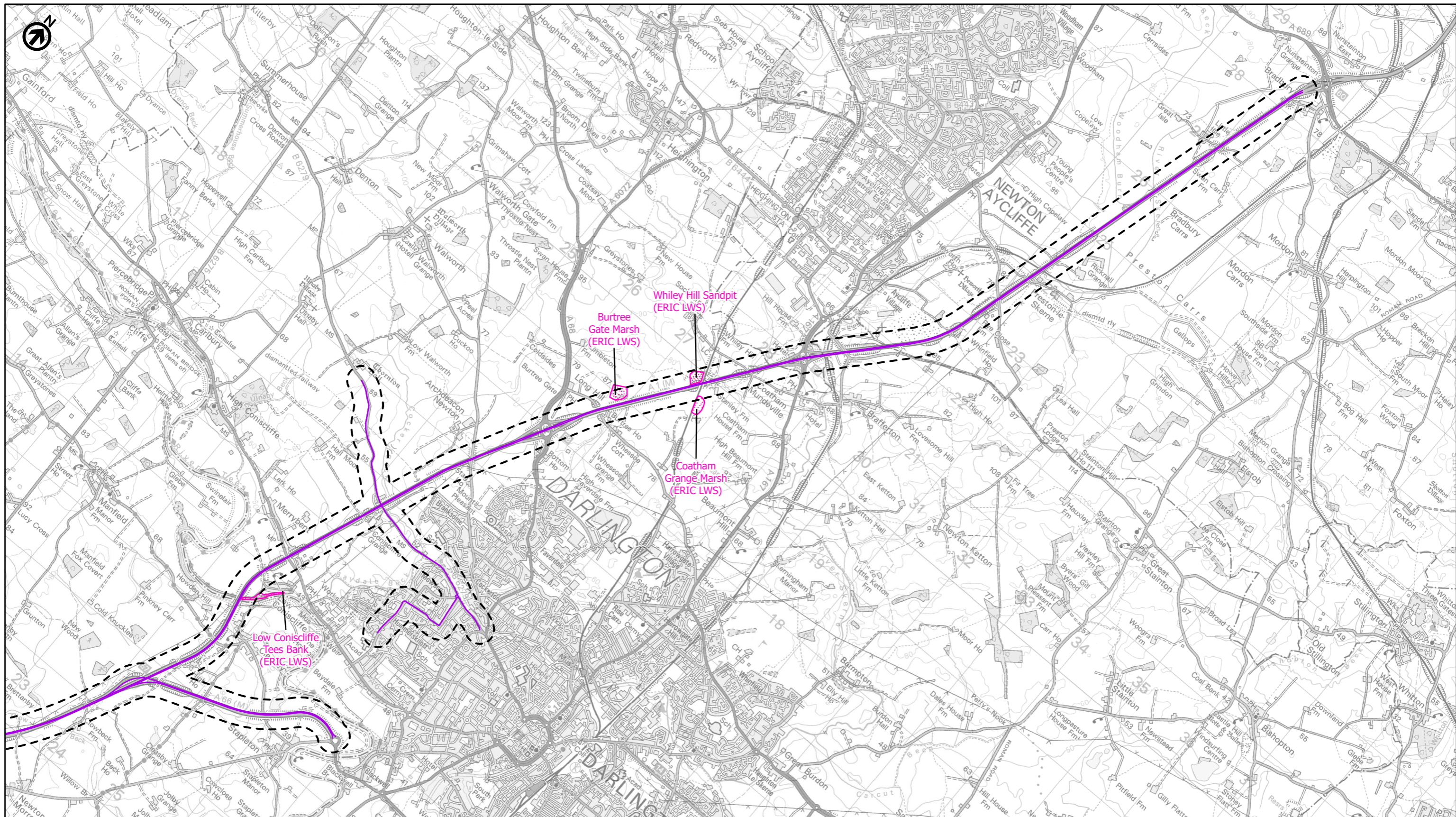
- Scheme Specific - Annual Mean NO₂ Concentration (2019)**
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³
- Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)**
- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

- Designated Site**
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Nature Improvement Area
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland (AW)
- County Wildlife Site (CWS)
- Local Wildlife Site (LWS)
- Ancient and Veteran Tree



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JBAR	PKEL														
18/03/22	04/04/22														
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 8 of 14			
Map Number Project	Originator	Volume	
HE565627	AMY	EAQ	
Location		Type	Role
S00		MP	LA
		Number	
		002035	
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



— Route Alignment
 [Red Box] Order Limits
 [Dashed Box] 200m Operational Air Quality Study Area
 [Purple Line] Affected Road Network (ARN)
 [Green Line] Pollution Climate Mapping (PCM) Road Link (2019)

Monitoring Location

Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)

- ▲ >40µg/m³
- ▲ 36-40µg/m³
- ▲ 32-36µg/m³
- ▲ <32µg/m³

Scheme Specific - Annual Mean NO₂ Concentration (2019)

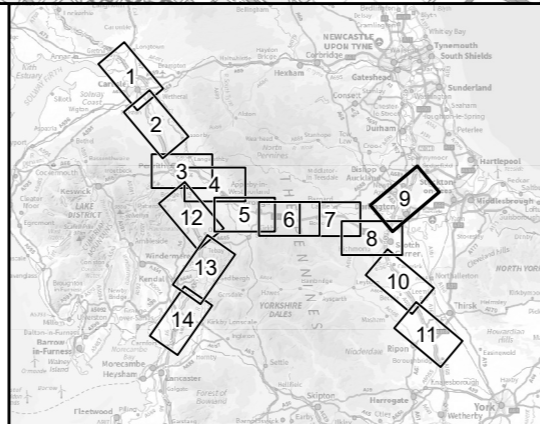
- >40µg/m³
- 36-40µg/m³
- 32-36µg/m³
- <32µg/m³

Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)

- >8µg/m³
- 6-8µg/m³
- 4-6µg/m³
- <4µg/m³

Designated Site

- [Green Box] Special Protection Area (SPA)
- [Blue Box] Special Area of Conservation (SAC)
- [Orange Box] Nature Improvement Area
- [Red Box] Site of Special Scientific Interest (SSSI)
- [Green Box] Ancient Woodland (AW)
- [Yellow Box] County Wildlife Site (CWS)
- [Pink Box] Local Wildlife Site (LWS)
- [Brown Box] Ancient and Veteran Tree



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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	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

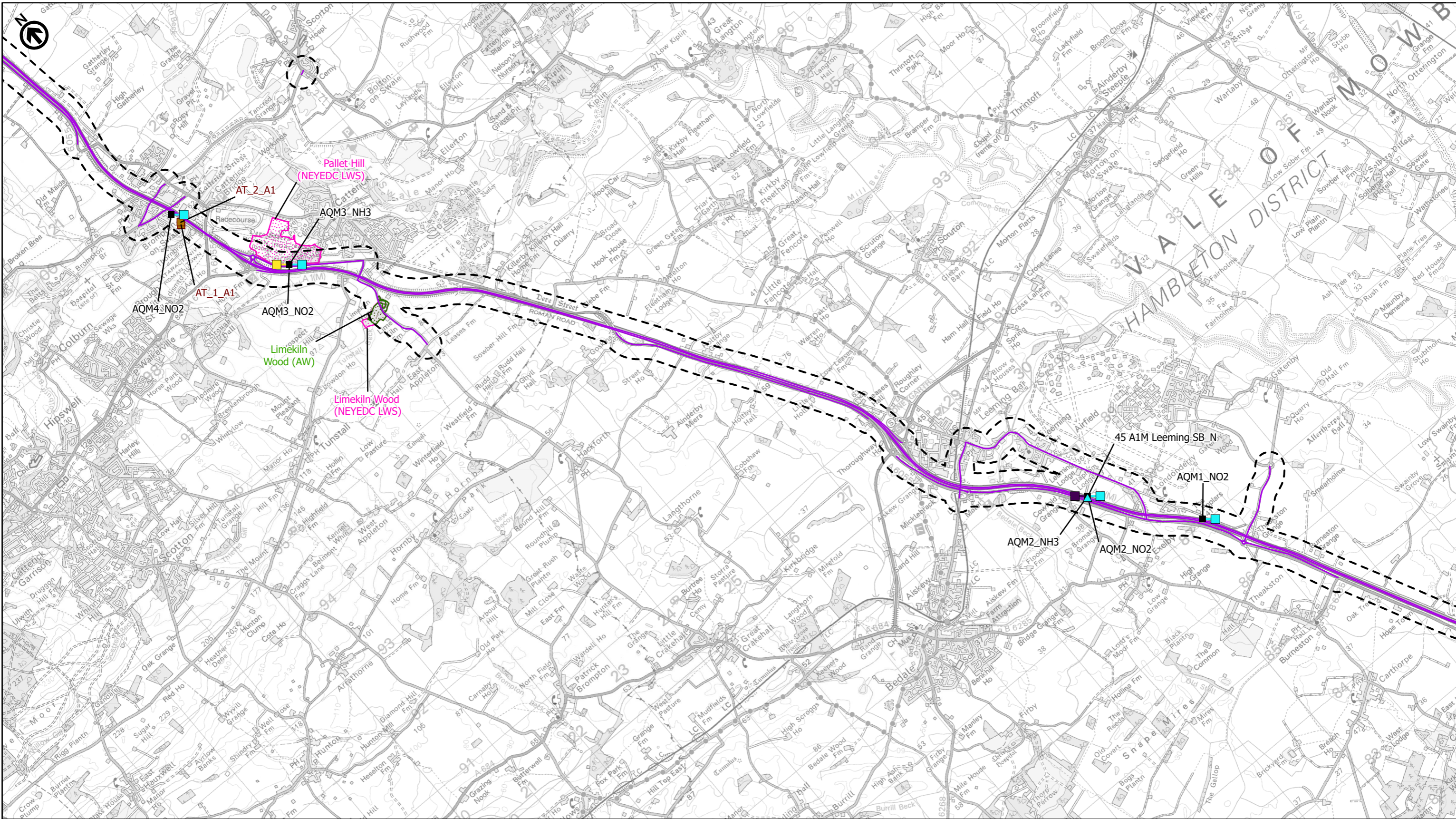
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Air Quality Baseline

Sheet 9 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
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		Type	Role

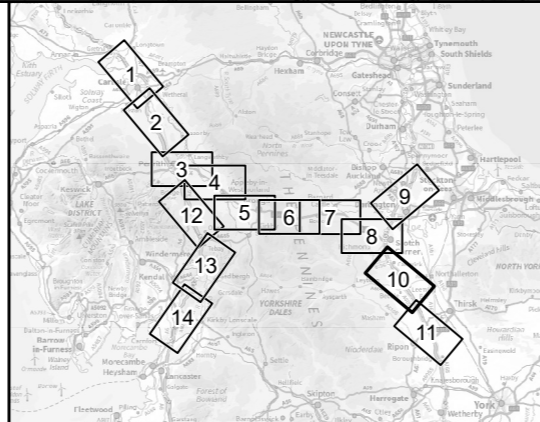
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02



- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location**
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)**
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- Designated Site**
- Special Protection Area (SPA)
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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised	

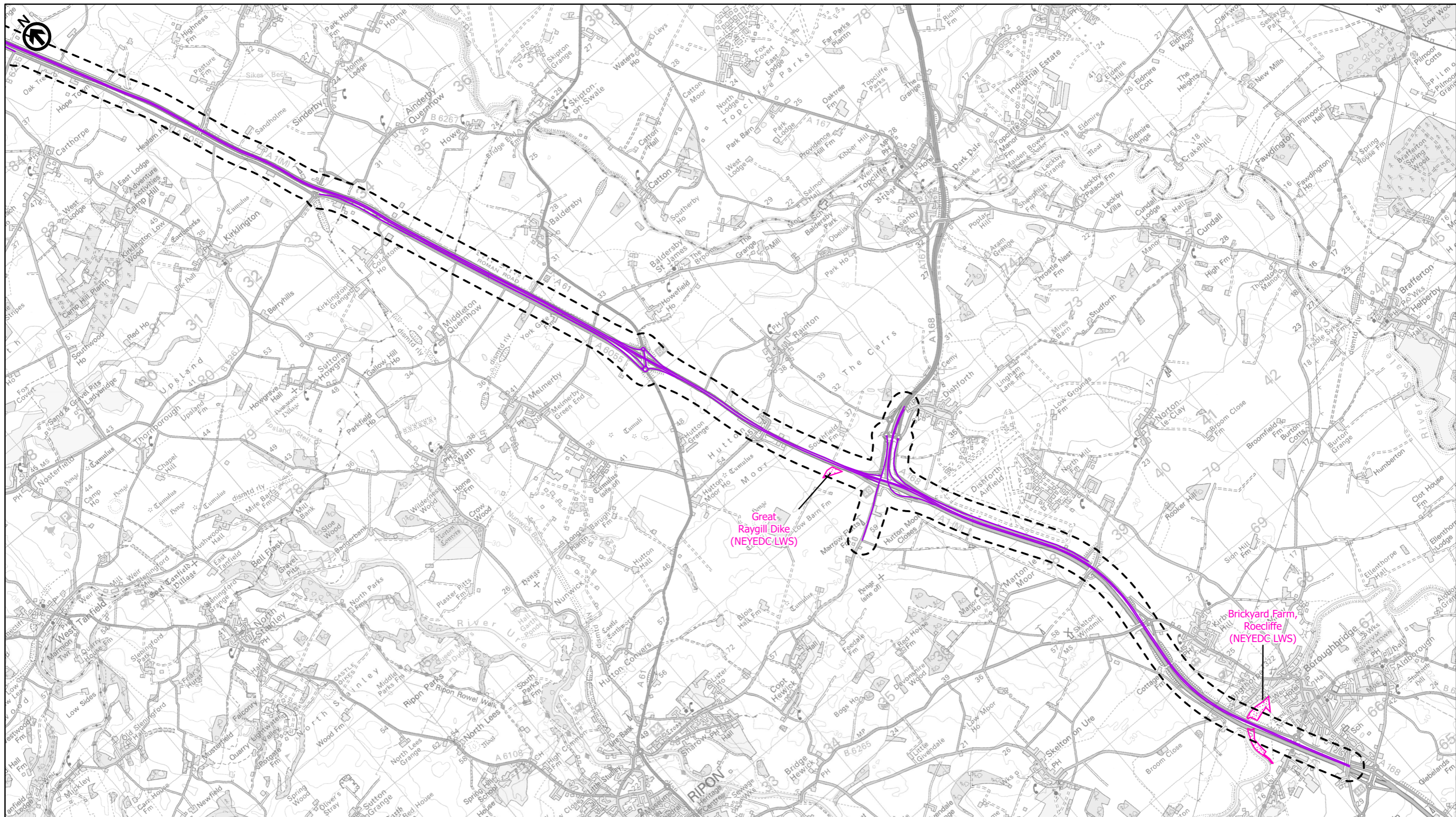
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Project Name
A66 Northern Trans-Pennine Project

Map Title
Figure 5.2
Air Quality Baseline
Sheet 10 of 14

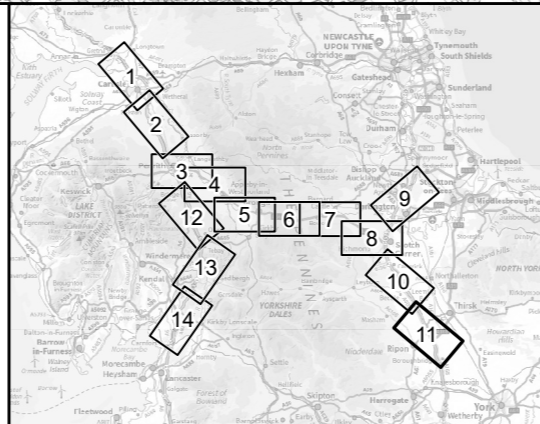
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Location	S00	-	MP - LA - 002037
		Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



- Route Alignment
- Order Limits
- 200m Operational Air Quality Study Area
- Affected Road Network (ARN)
- Pollution Climate Mapping (PCM) Road Link (2019)
- Monitoring Location
- Local Authority and National Highways - Annual Mean NO₂ Concentration (2019)
 - >40µg/m³
 - 36-40µg/m³
 - 32-36µg/m³
 - <32µg/m³

- Scheme Specific - Annual Mean NO₂ Concentration (2019)**
 - >40µg/m³
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- Designated Site**
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P02	First Issue	JBAR	PKEL	JLIN	AMIT	KWHA
		18/03/22	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

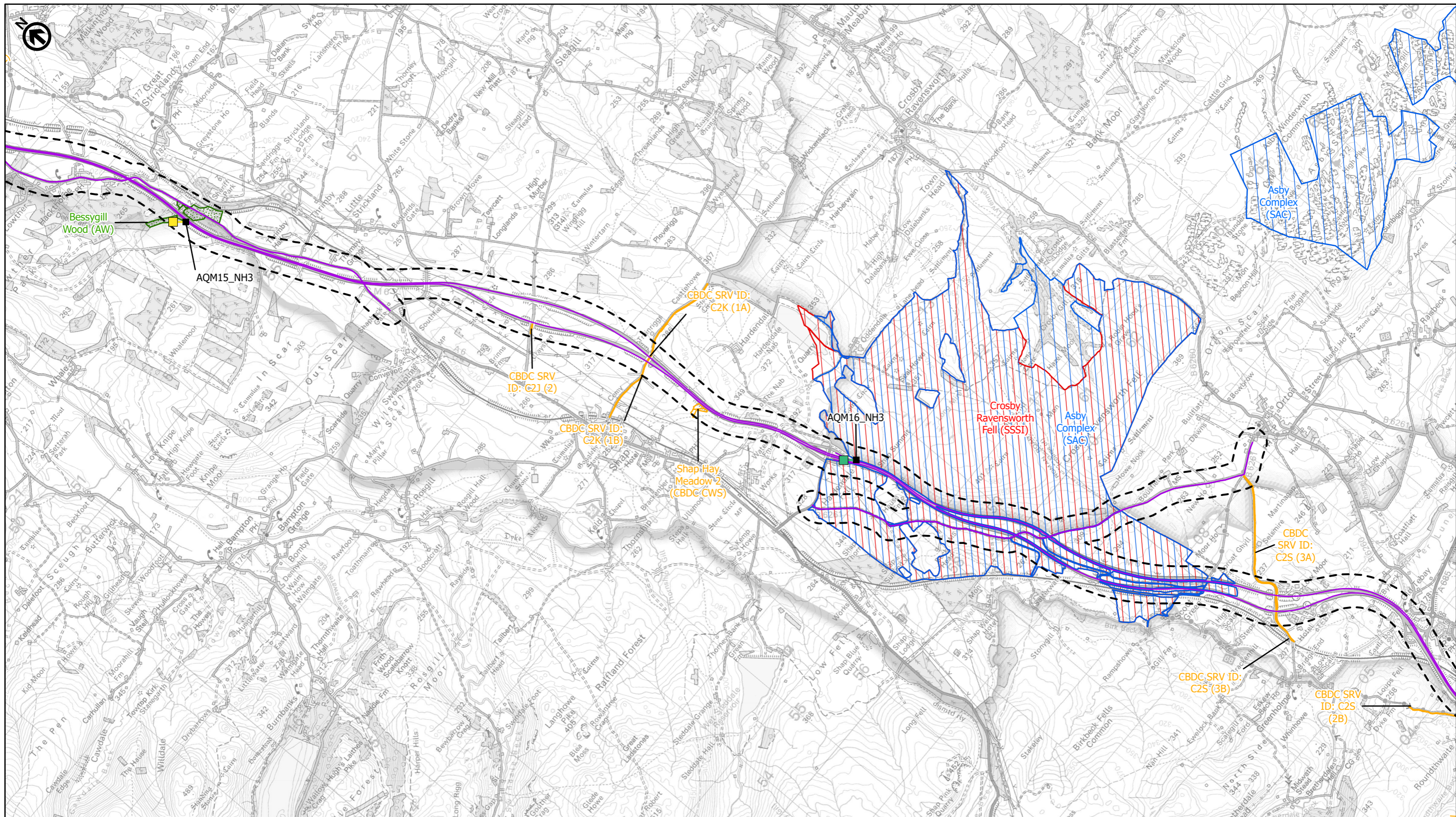
Map Title
Figure 5.2

Air Quality Baseline

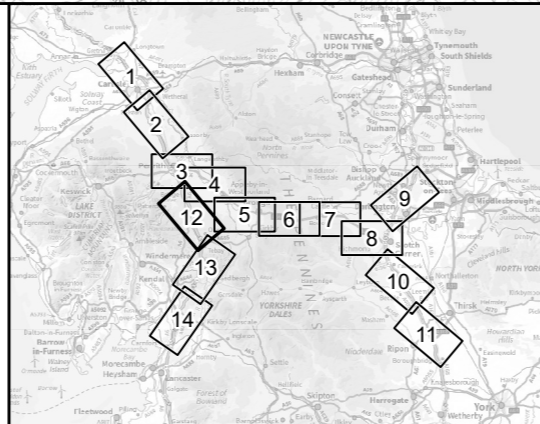
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Map Number	Project	Originator	Volume
HE565627	S00	AMY	EAQ
Location	Type	Role	Number
	MP	LA	002038

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P02

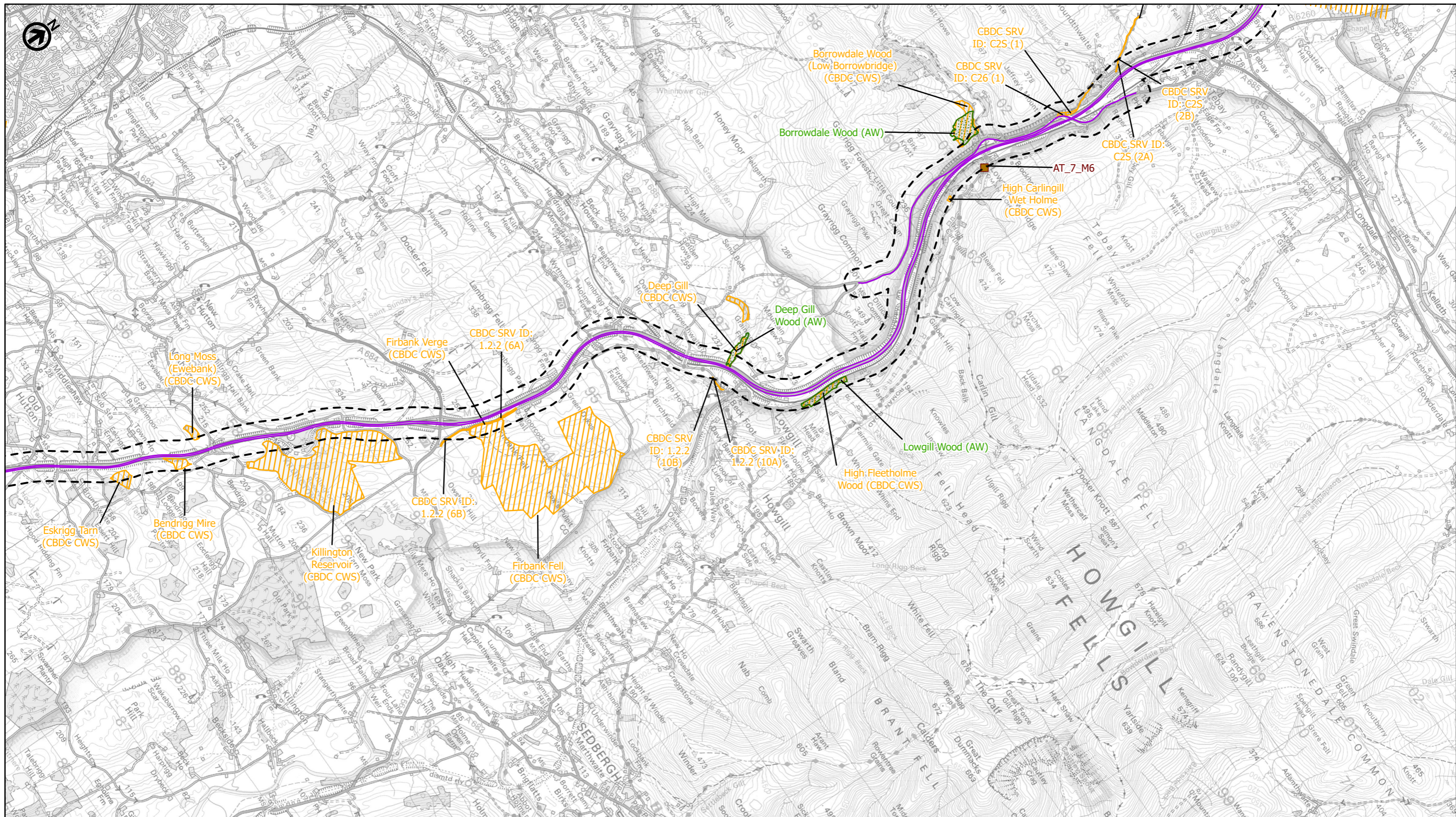


<ul style="list-style-type: none"> Route Alignment Order Limits 200m Operational Air Quality Study Area Affected Road Network (ARN) Pollution Climate Mapping (PCM) Road Link (2019) Monitoring Location Local Authority and National Highways - Annual Mean NO₂ Concentration (2019) 	<p>Scheme Specific - Annual Mean NO₂ Concentration (2019)</p> <ul style="list-style-type: none"> >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ <p>Scheme Specific - Mean Ammonia (NH₃) Concentration (2022)</p> <ul style="list-style-type: none"> >8µg/m³ 6-8µg/m³ 4-6µg/m³ <4µg/m³ 	<p>Designated Site</p> <ul style="list-style-type: none"> Special Protection Area (SPA) Special Area of Conservation (SAC) Nature Improvement Area Site of Special Scientific Interest (SSSI) Ancient Woodland (AW) County Wildlife Site (CWS) Local Wildlife Site (LWS) Ancient and Veteran Tree
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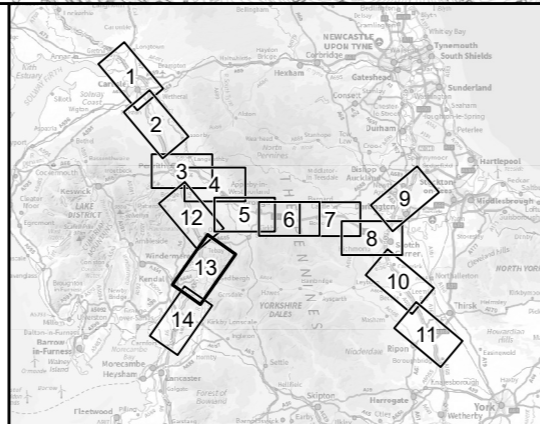


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	18/03/22	04/04/22	04/04/22	26/04/22	26/04/22
Revision	Created	Checked	Reviewed	Approved	Authorised
Kilometres 					
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline Sheet 12 of 14			
Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
Location		Type	Role
S00		-	MP - LA - 002039
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02

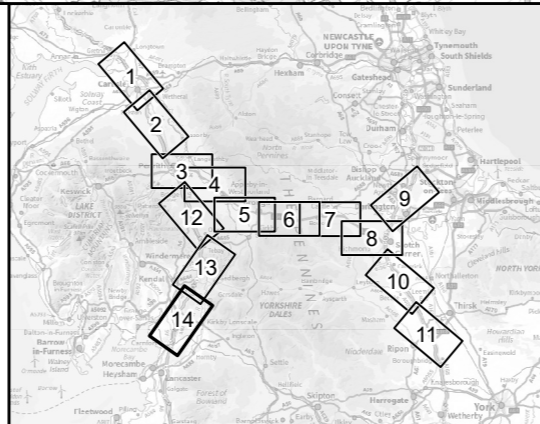
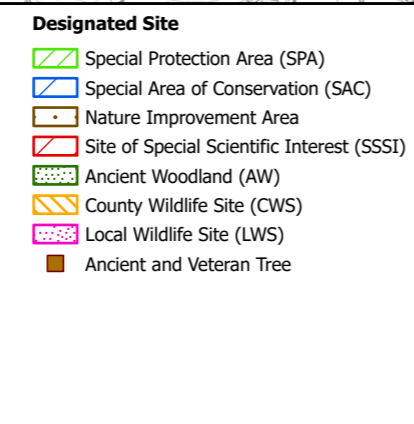
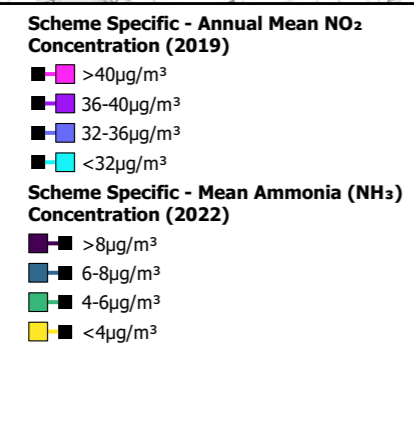
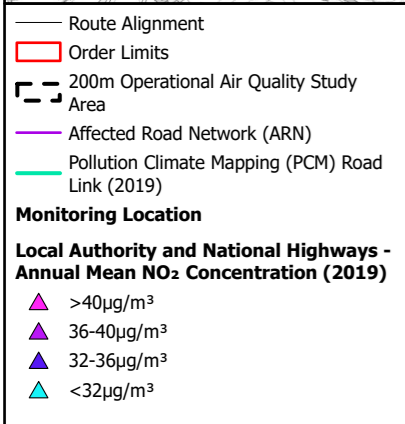
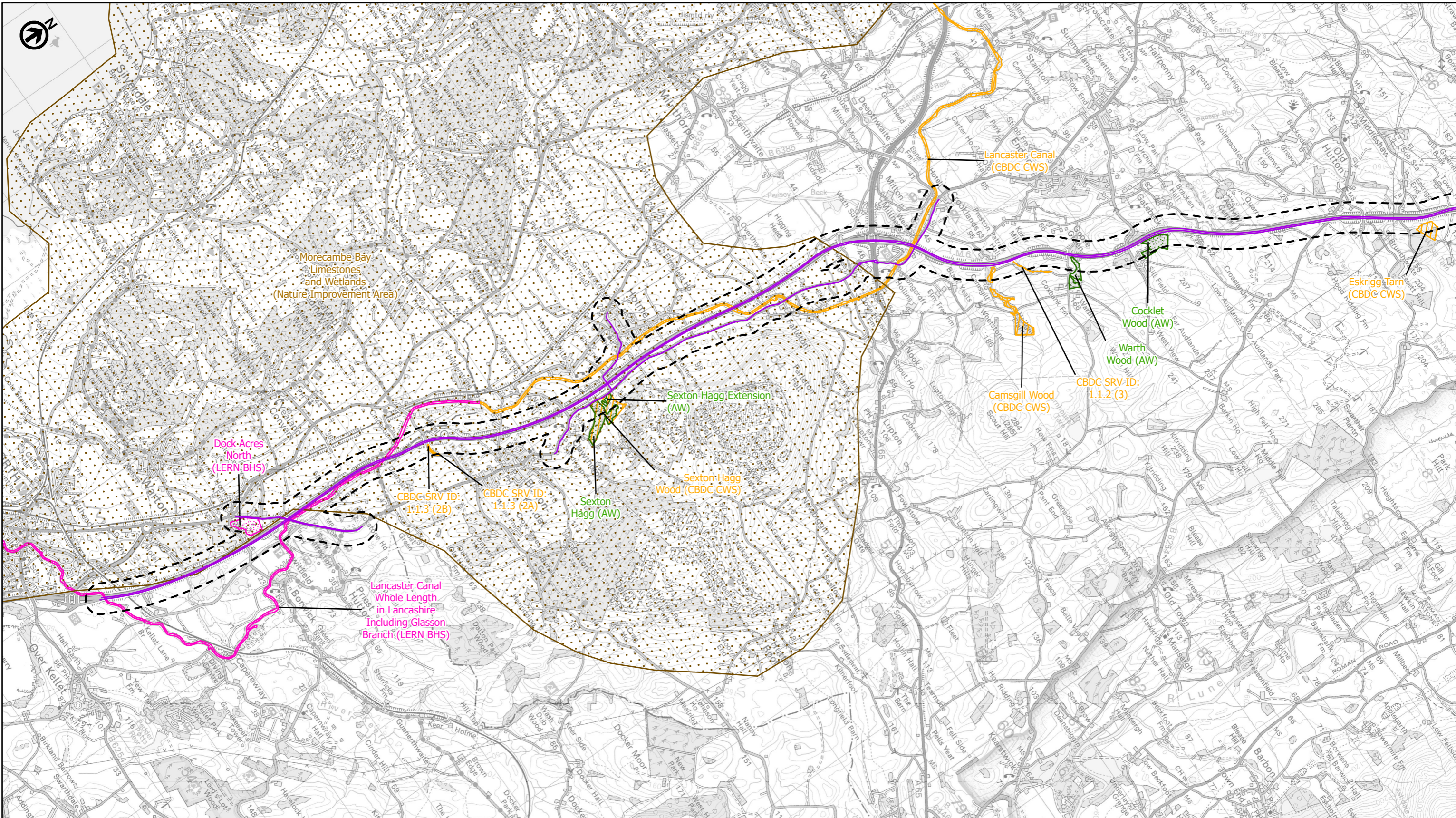


<ul style="list-style-type: none"> Route Alignment Order Limits 200m Operational Air Quality Study Area Affected Road Network (ARN) Pollution Climate Mapping (PCM) Road Link (2019) Monitoring Location Local Authority and National Highways - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ 	<ul style="list-style-type: none"> Scheme Specific - Annual Mean NO₂ Concentration (2019) >40µg/m³ 36-40µg/m³ 32-36µg/m³ <32µg/m³ Scheme Specific - Mean Ammonia (NH₃) Concentration (2022) >8µg/m³ 6-8µg/m³ 4-6µg/m³ <4µg/m³ 	<ul style="list-style-type: none"> Designated Site Special Protection Area (SPA) Special Area of Conservation (SAC) Nature Improvement Area Site of Special Scientific Interest (SSSI) Ancient Woodland (AW) County Wildlife Site (CWS) Local Wildlife Site (LWS) Ancient and Veteran Tree
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Kilometres 0 2 4					
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Project Name A66 Northern Trans-Pennine Project			
Map Title Figure 5.2			
Air Quality Baseline			
Sheet 13 of 14			
Map Number	Originator	Volume	
HE565627	AMY	EAQ	
S00		MP	LA - 002040
Location		Type	Role Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02



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	18/03/22	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 5.2 Air Quality Baseline Sheet 14 of 14

Map Number	Project	Originator	Volume
HE565627	-	AMY	EAQ
S00	-	MP - LA	002041
	Location	Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P02