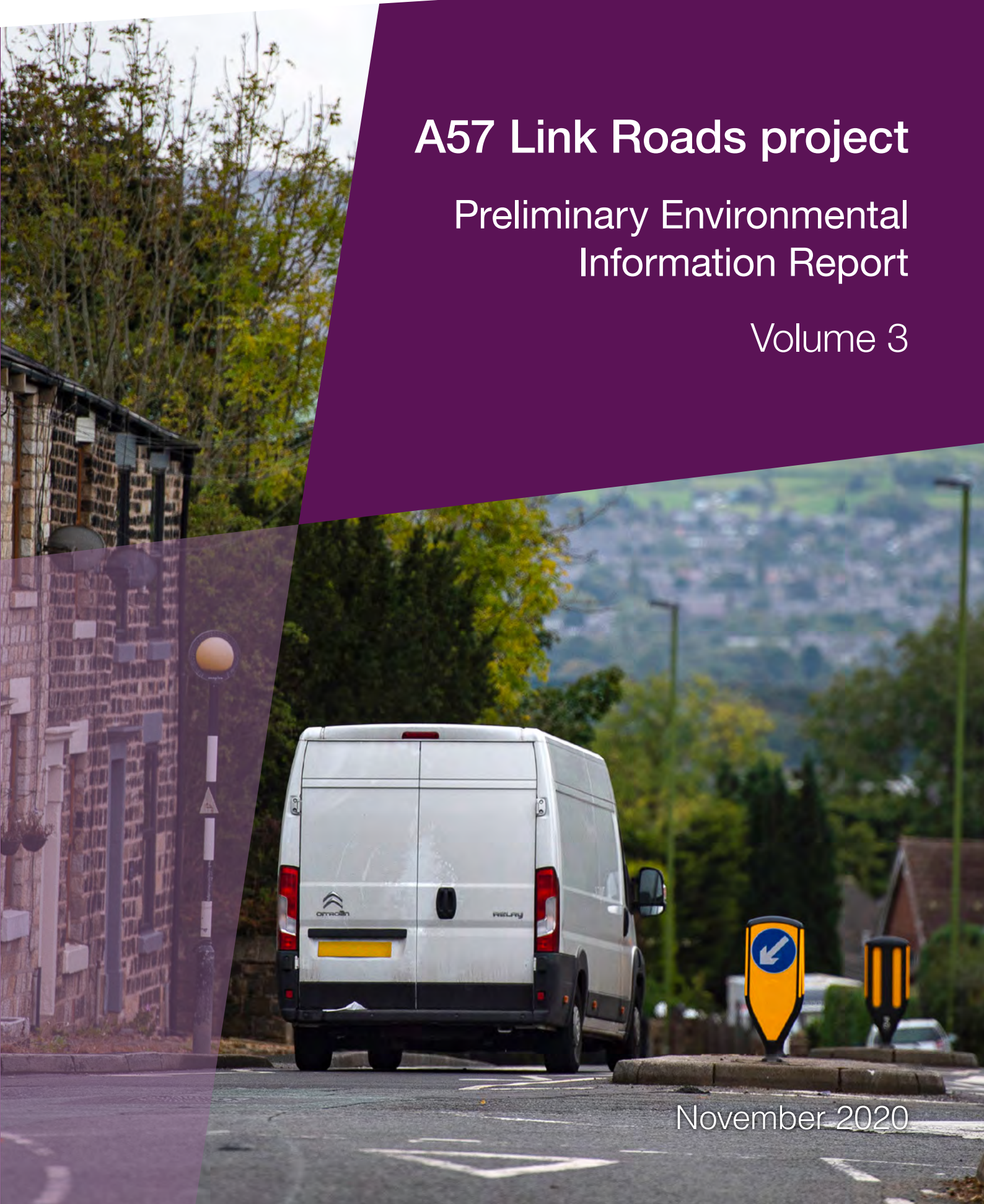


A57 Link Roads project

Preliminary Environmental Information Report

Volume 3



November 2020

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Document control

The Project Manager is responsible for production of this document, based on the contributions made by his/her team existing at each Stage

Document Title	Preliminary Environmental Information Report – Volume 3 Figures
Author	AR

Revision History

Version	Date	Description	Originator	Checker	Reviewer	Authoriser
P01	23/10/20	For issue	AR	EB	LY	MSR

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Table of contents

Chapter	Pages
Introduction	5
The Scheme	7
Assessment of alternatives	11
Air Quality	16
Cultural heritage	29
Landscape and visual effects	32
Biodiversity	42
Geology and Soils	44
Noise and vibration	46
Population and human health	50
Road drainage and water environment	52

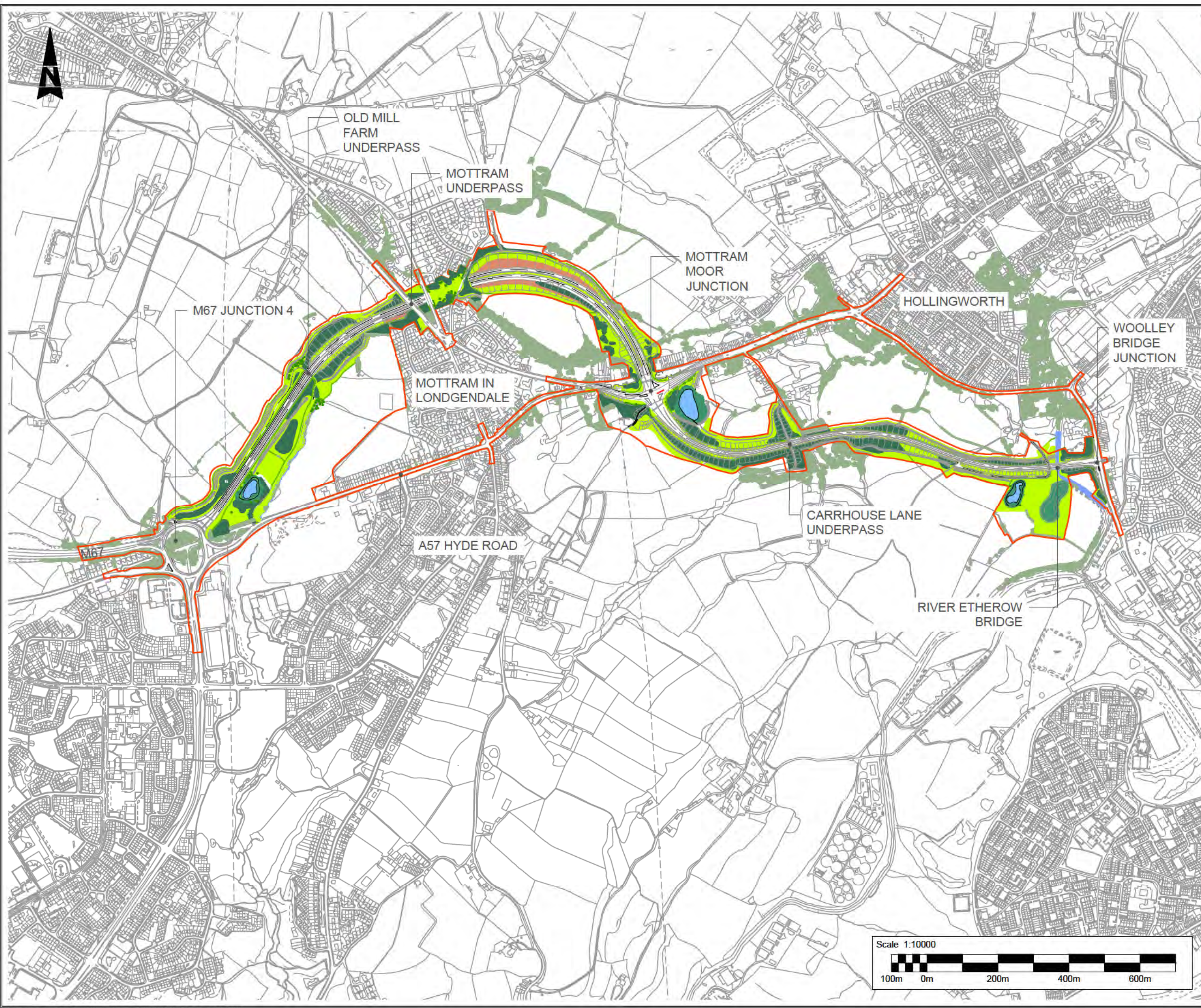
Volume 3 Figures

Introduction

Figure 1.1 Landscape Masterplan

DO NOT SCALE

0 10 100
Millimetres



- KEY**
- Scheme boundary
 - Proposed woodland and scrub vegetation
 - Existing vegetation to be retained
 - Proposed individual trees
 - Proposed native species hedgerow
 - Proposed grassland
 - Proposed species rich/wet grassland
 - Proposed rock and scree areas
 - Water bodies

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Description	Status	Revision	Issue Date
PUBLISHED	A1	P01	28/10/20

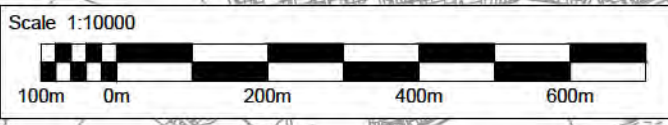
Drawing Suitability	Status
FOR INFORMATION	S2



Scheme Name: **A57 LINK ROADS**

Drawing Title: **FIGURE 1.1
A57 LINK ROADS
LANDSCAPE MASTERPLAN
SHEET 1 OF 1**

Drawing Number	Original	Volume
HE551473	BBA	ELS
Location	Type	Role
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Scale:	Original Size:	Rev:
1:10000 @ A3	A3	P01

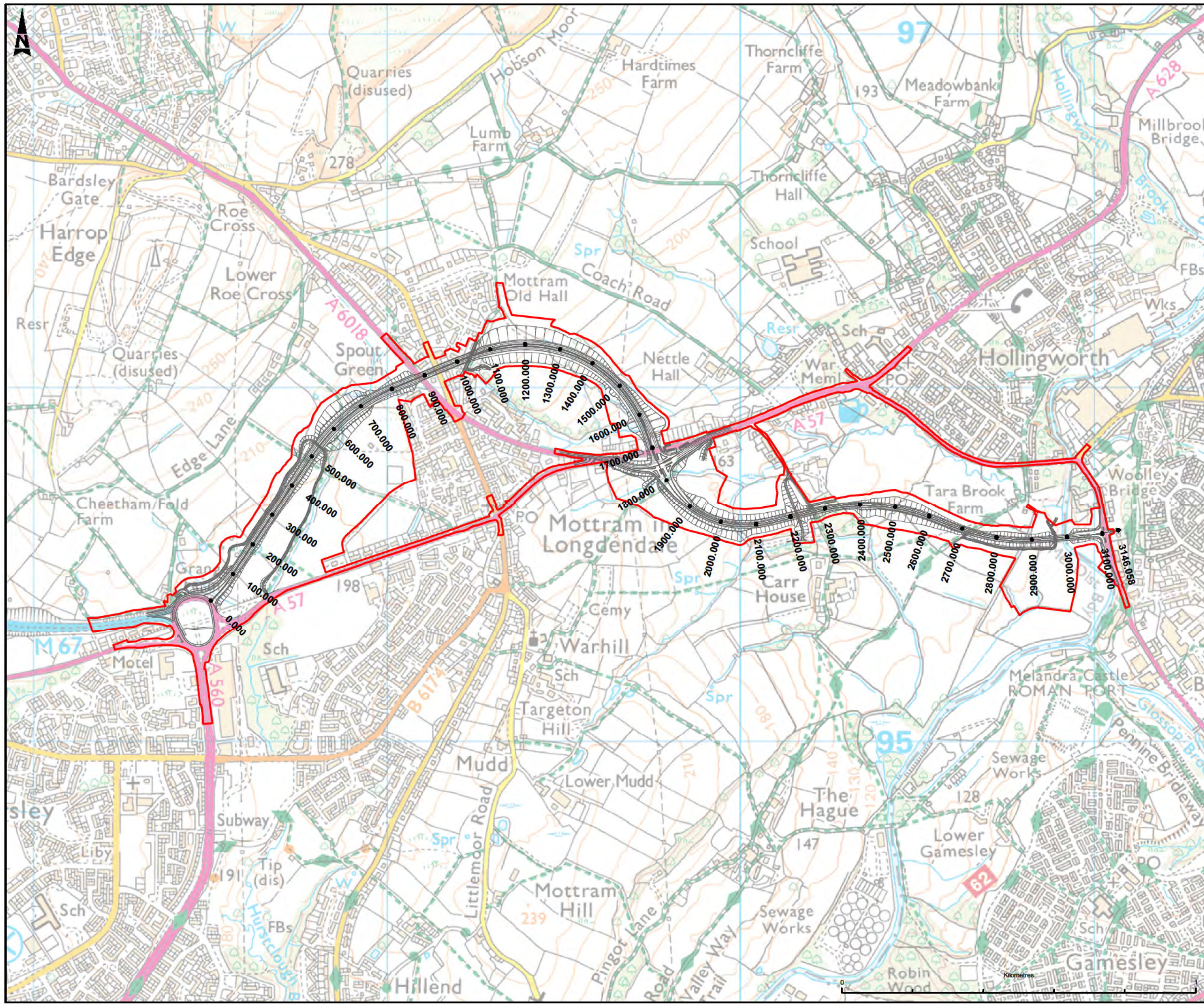


The Scheme

Figure 2.1 Development Consent Order Boundary

Figure 2.2 Highway Alignment with Chainage

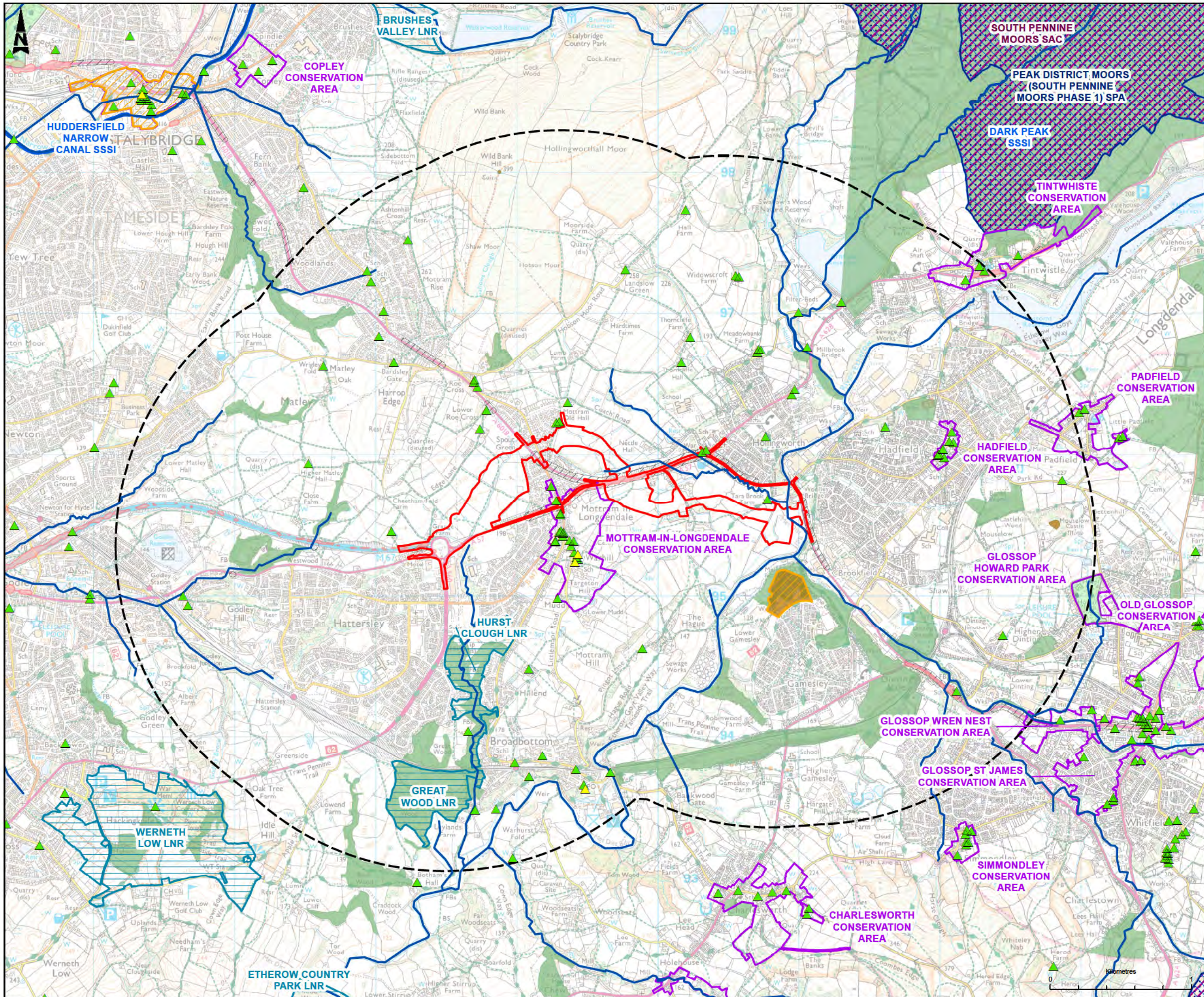
Figure 2.3 Environmental Constraints



LEGEND

- DEVELOPMENT CONSENT ORDER BOUNDARY
- PROPOSED ALIGNMENT

Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	S2	P01	28/10/20
Drawing Suitability	FOR INFORMATION		S2
Client			
Scheme Name	A57 LINK ROADS		
Drawing Title	FIGURE 2.2 HIGHWAY ALIGNMENT WITH CHAINAGE		
PIB Ref. No.			
Drawing Number	Originator	Volume	
HE551473 - BBA - EGN -			
A57_AL_SCHEME - DR - LM - 000002			
Location	Type	Role	Number
Scale	Original Size	Rev.	
1:10,000	A3	P01	



LEGEND

- DEVELOPMENT CONSENT ORDER BOUNDARY
- 2KM STUDY AREA
- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SPECIAL PROTECTION AREAS (SPA)
- SPECIAL AREAS OF CONSERVATION (SAC)
- LOCAL NATURE RESERVES (LNR)
- LOCAL WILDLIFE SITES
- SCHEDULED MONUMENTS
- REGISTERED PARKS AND GARDENS
- HERITAGE AT RISK
- CONSERVATION AREAS
- NOISE IMPORTANT AREAS
- AIR QUALITY MANAGEMENT AREAS
- RIVER NETWORK

LISTED BUILDINGS

- GRADE I
- GRADE II*
- GRADE II

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Description	Status	Revision	Issue Date
	S2	P01	28/10/20

FOR INFORMATION

highways england

Scheme Name: A57 LINK ROADS

Drawing Title: FIGURE 2.3 ENVIRONMENTAL CONSTRAINTS

Scale: 1:25,000

Original Size: A3

Rev: P01

Drawing Number: HE551473
 Scheme: A57_AL_SCHEME
 Originator: BBA
 Volume: EGN
 Type: DR
 Role: LM
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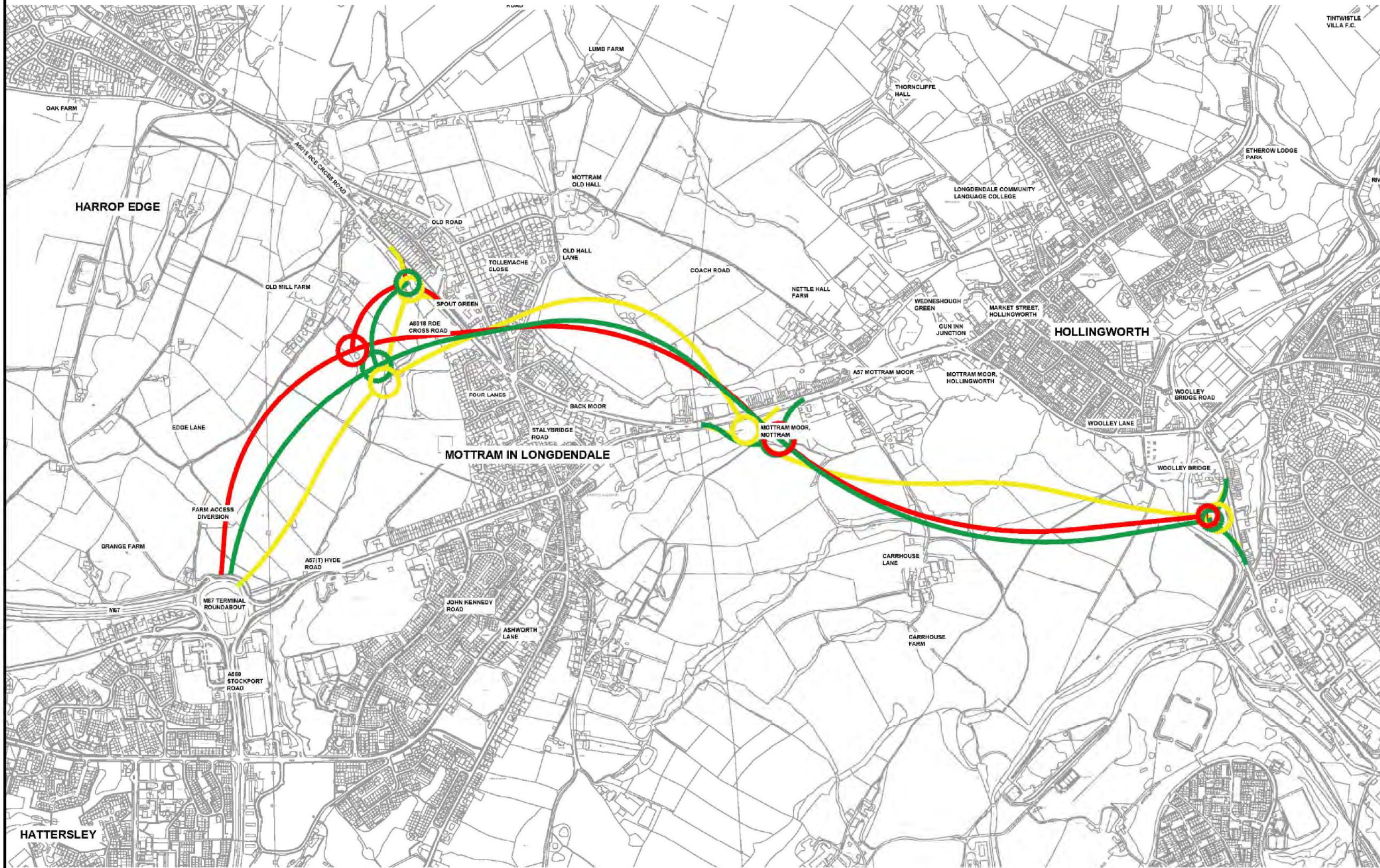
Assessment of alternatives

Figure 3.1 Assessment of Alternatives Options 0, 3 & 4

Figure 3.2 Assessment of Alternatives Options 1, 2 & 5

Figure 3.3 Assessment of Alternatives Brown Route, Blue Route & Red Route

Figure 3.4 Assessment of Alternatives DfT Low Cost Option 1



LEGEND

- OPTION 0
- OPTION 3
- OPTION 4

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Drawing Suitability: FOR INFORMATION Status: S2



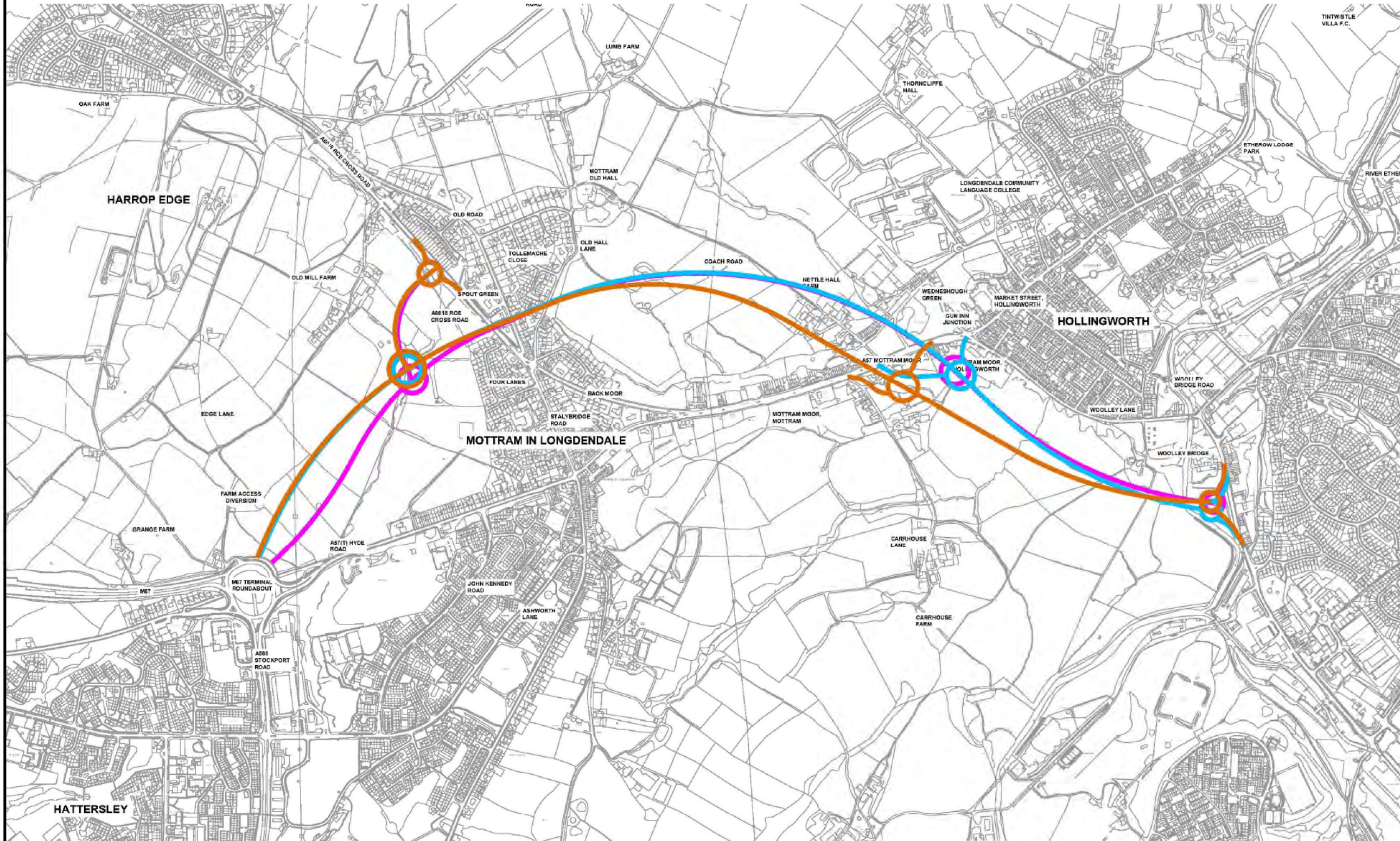
Scheme Name: A57 LINK ROADS

Drawing Title: FIGURE 3.1 ASSESSMENT OF ALTERNATIVES OPTIONS 0, 3 & 4

PIG Ref. No:

Drawing Number	Original	Volume
HE551473	BBA	EGN
A57_AL_SCHEME	DR	LM - 000004
Location	Type	Role
		Number
Scale	Original Size	Rev
1:20,000	A3	P01





LEGEND

- OPTION 1
- OPTION 2
- OPTION 5

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Description	Status	Revision	Issue Date
	S2	P01	28/10/20

Drawing Suitability: FOR INFORMATION Status: S2

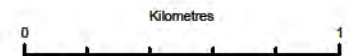


Scheme Name: A57 LINK ROADS

Drawing Title: FIGURE 3.2 ASSESSMENT OF ALTERNATIVES OPTIONS 1, 2 & 5

FIG Ref. No:

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Location	Type	Role
Scale	Original Size	Rev.
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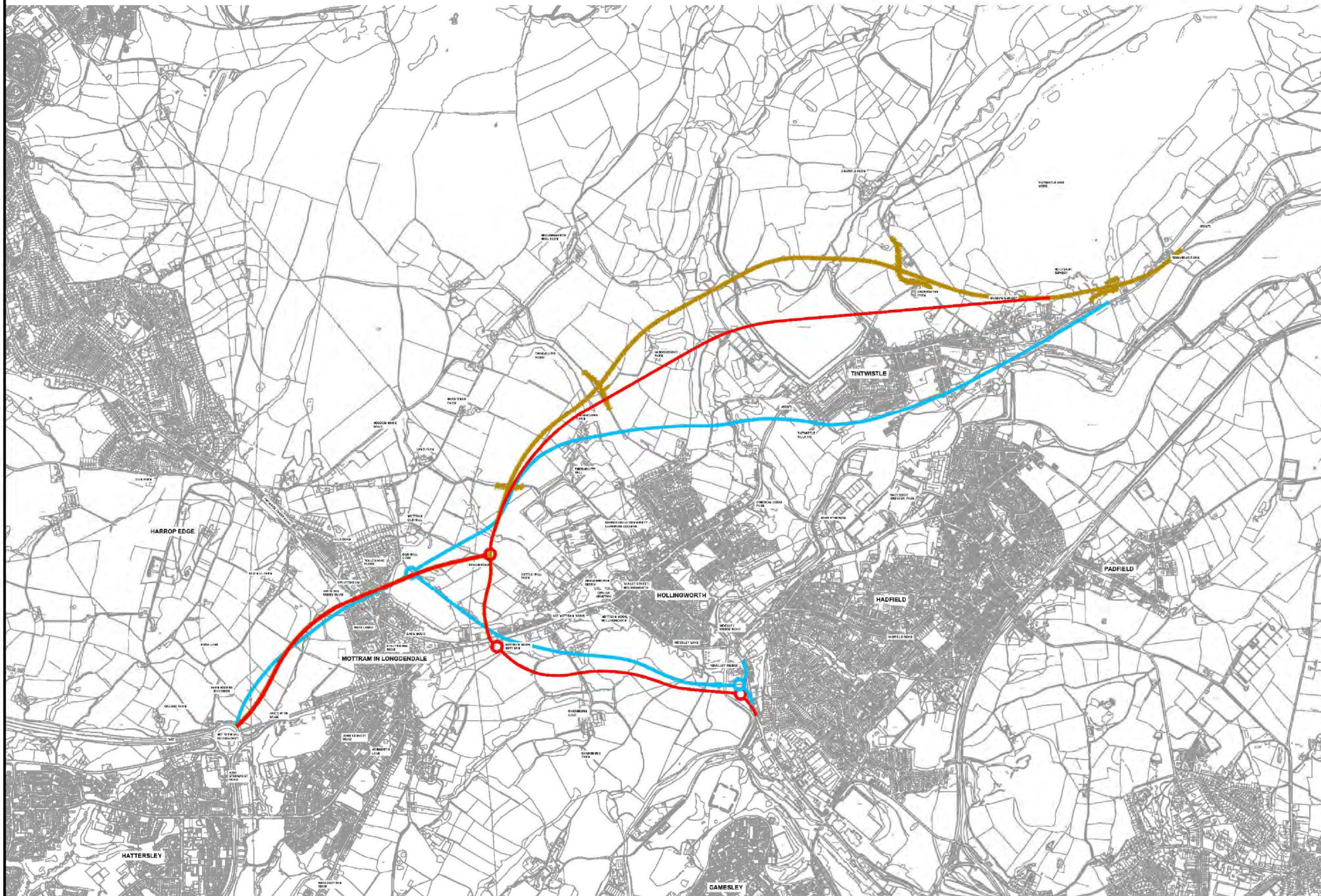


LEGEND

BLUE

BROWN

RED



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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
Description			
Status	Revision	Issue Date	
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Status	Revision	Issue Date	

Status	S2	Revision	P01	Issue Date	28/10/20	Status	S2	
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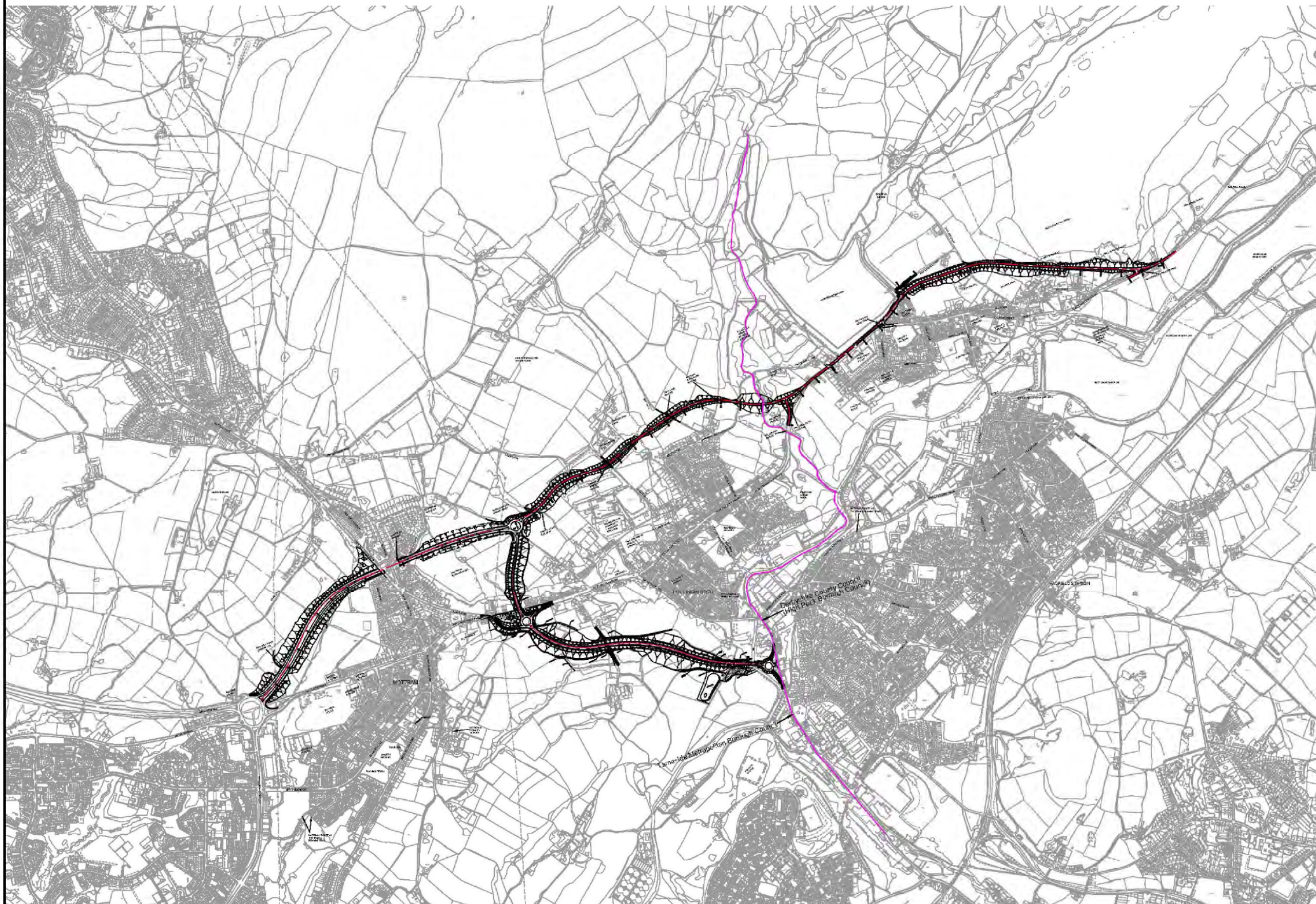
Scheme Name: A57 LINK ROADS

Drawing Title: FIGURE 3.3 ASSESSMENT OF ALTERNATIVES BROWN ROUTE, BLUE ROUTE AND RED ROUTE

PIG Ref. No.:

Drawing Number	HE551473	Original	BBA	Volume	EGN							
Scheme	A57_AL_SCHEME	Type	DR	Role	LM	Number	000006					
Location	A57						Scale	1:25,000	Original Size	A3	Rev.	P01





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Drawing Suitability	FOR INFORMATION		S2

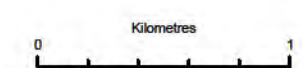


Scheme Name
A57 LINK ROADS

Drawing Title
**FIGURE 3.4
ASSESSMENT OF ALTERNATIVES
DFT LOW COST OPTION 1**

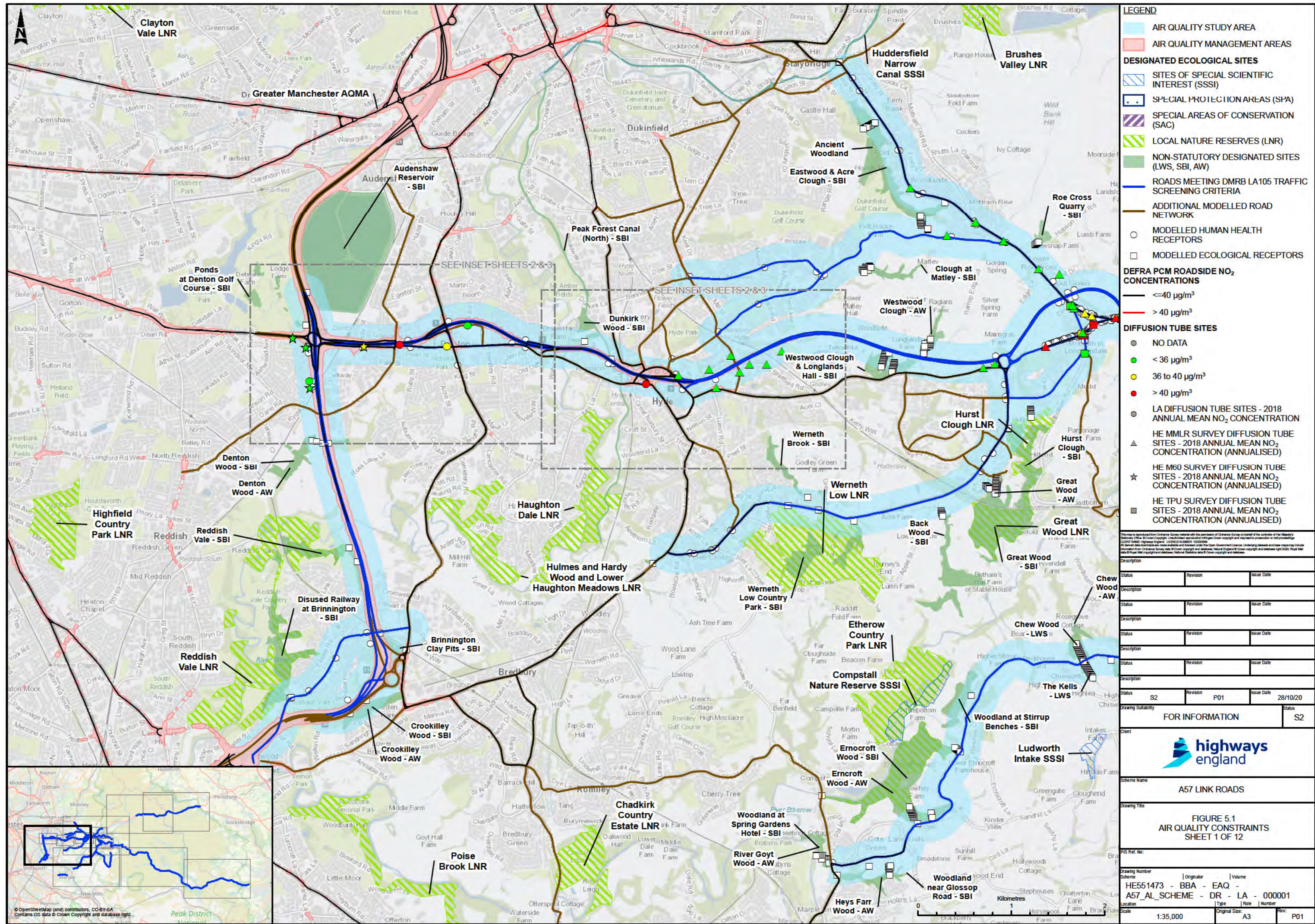
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Scale	Original Size	Rev.
1:30,000	A3	P01



Air Quality

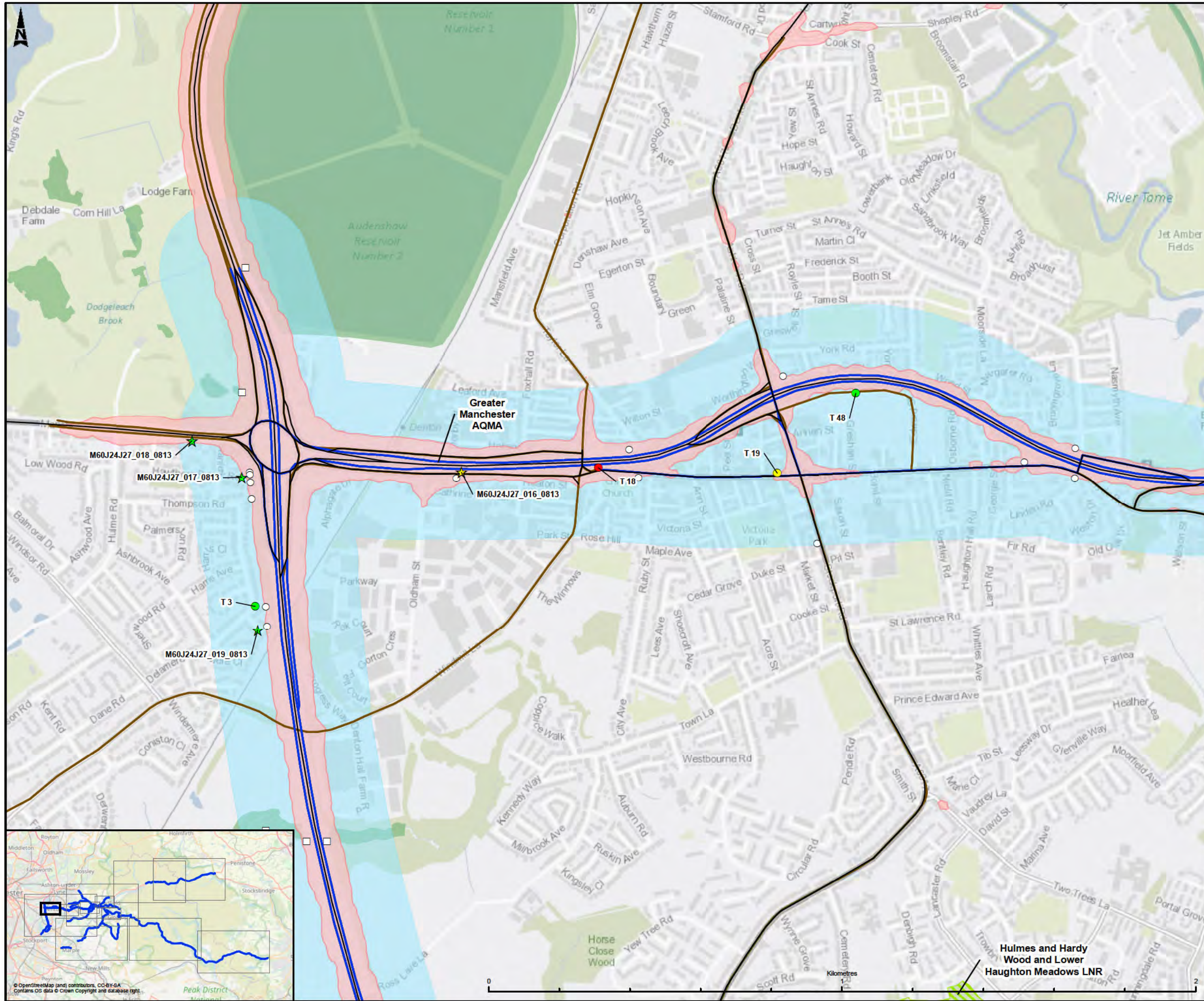
Figure 5.1 Air Quality Constraints (12 Sheets)



LEGEND

- AIR QUALITY STUDY AREA
- AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES**
 - ▨ SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SPECIAL PROTECTION AREAS (SPA)
 - ▨ SPECIAL AREAS OF CONSERVATION (SAC)
 - ▨ LOCAL NATURE RESERVES (LNR)
 - NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
- ▬ ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
- ▬ ADDITIONAL MODELLED ROAD NETWORK
- MODELLED HUMAN HEALTH RECEPTORS
- MODELLED ECOLOGICAL RECEPTORS
- DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS**
 - ▬ <=40 µg/m³
 - ▬ >40 µg/m³
- DIFFUSION TUBE SITES**
 - NO DATA
 - < 36 µg/m³
 - 36 to 40 µg/m³
 - > 40 µg/m³
 - LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
 - ▲ HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - ★ HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

Description			
Status	Revision	Issue Date	
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FOR INFORMATION			S2
Scheme Name A57 LINK ROADS			
Drawing Title FIGURE 5.1 AIR QUALITY CONSTRAINTS SHEET 1 OF 12			
PIG Ref. No.			
Drawing Number Scheme Originator Volume HE551473 - BBA - EAQ - A57_AL_SCHEME - DR - LA - 000001			
Location		Type	Number
Scale		Original Size	Rev.
1:35,000		A3	P01



LEGEND

- AIR QUALITY STUDY AREA
- AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES**
 - SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SPECIAL PROTECTION AREAS (SPA)
 - SPECIAL AREAS OF CONSERVATION (SAC)
 - LOCAL NATURE RESERVES (LNR)
 - NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
 - ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
 - ADDITIONAL MODELLED ROAD NETWORK
 - MODELLED HUMAN HEALTH RECEPTORS
 - MODELLED ECOLOGICAL RECEPTORS
- DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS**
 - <= 40 µg/m³
 - > 40 µg/m³
- DIFFUSION TUBE SITES**
 - NO DATA
 - < 36 µg/m³
 - 36 to 40 µg/m³
 - > 40 µg/m³
 - LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
 - HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

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Description	Status	Revision	Issue Date
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Drawing Suitability: **FOR INFORMATION** Status: **S2**

Client: **highways england**

Scheme Name: **A57 LINK ROADS**

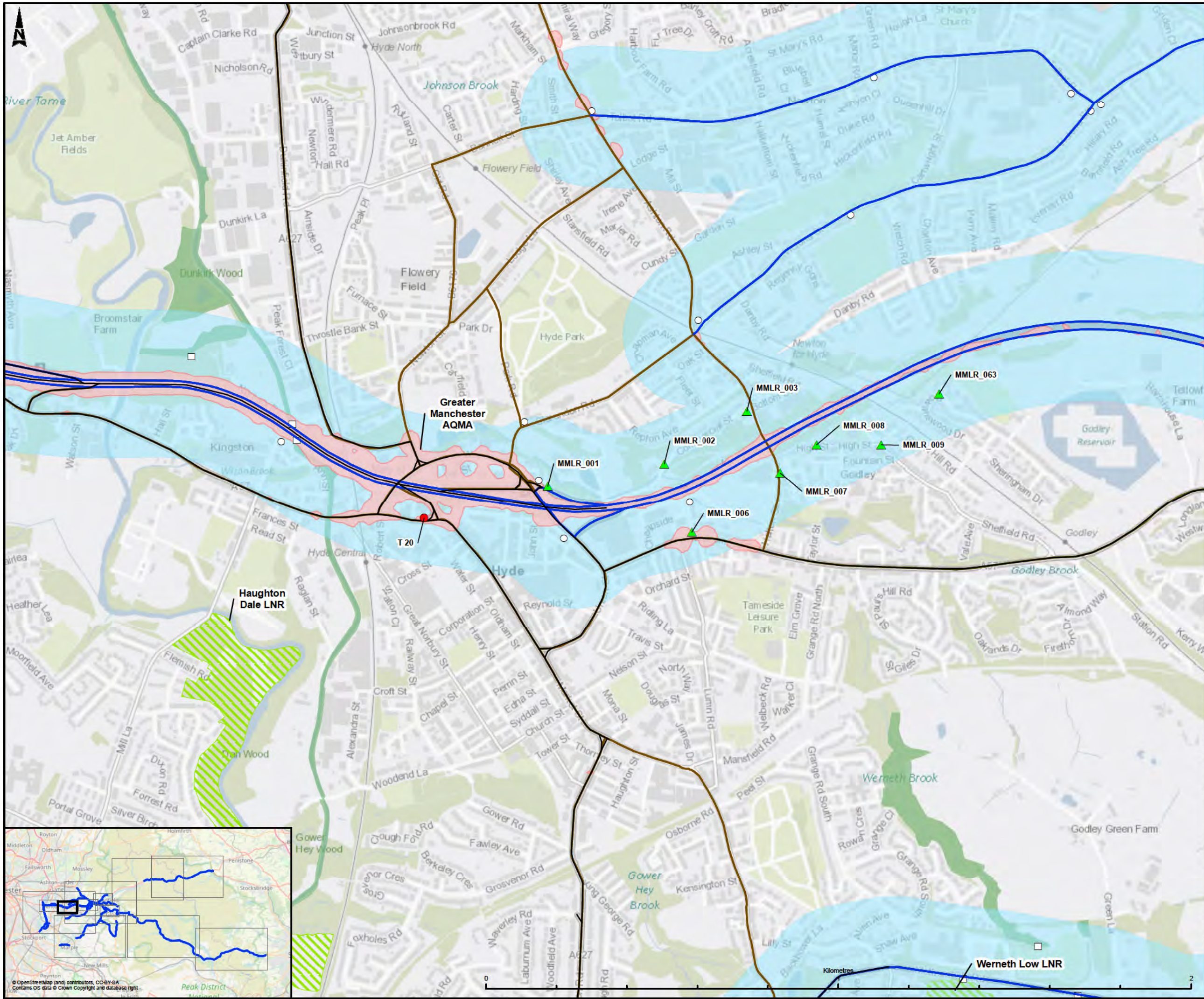
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DRG Ref. No.:

Drawing Number: **HE551473 - BBA - EAQ - A57_AL_SCHEME - DR - LA - 000001**

Location: **Hulmes and Hardy Wood and Lower Houghton Meadows LNR**

Scale: **1:10,000** Original Size: **A3** Rev: **P01**



- LEGEND**
- AIR QUALITY STUDY AREA
 - AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES**
- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SPECIAL PROTECTION AREAS (SPA)
 - SPECIAL AREAS OF CONSERVATION (SAC)
 - LOCAL NATURE RESERVES (LNR)
 - NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
 - ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
 - ADDITIONAL MODELLED ROAD NETWORK
 - MODELLED HUMAN HEALTH RECEPTORS
 - MODELLED ECOLOGICAL RECEPTORS
- DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS**
- ≤ 40 µg/m³
 - > 40 µg/m³
- DIFFUSION TUBE SITES**
- NO DATA
 - < 36 µg/m³
 - 36 to 40 µg/m³
 - > 40 µg/m³
 - LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
 - HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

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Drawing Suitability	FOR INFORMATION		S2

Client
 highways england

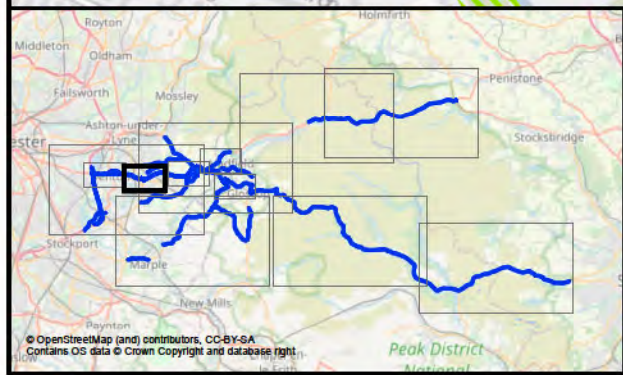
Scheme Name
A57 LINK ROADS

Drawing Title
FIGURE 5.1
AIR QUALITY CONSTRAINTS
SHEET 3 OF 12

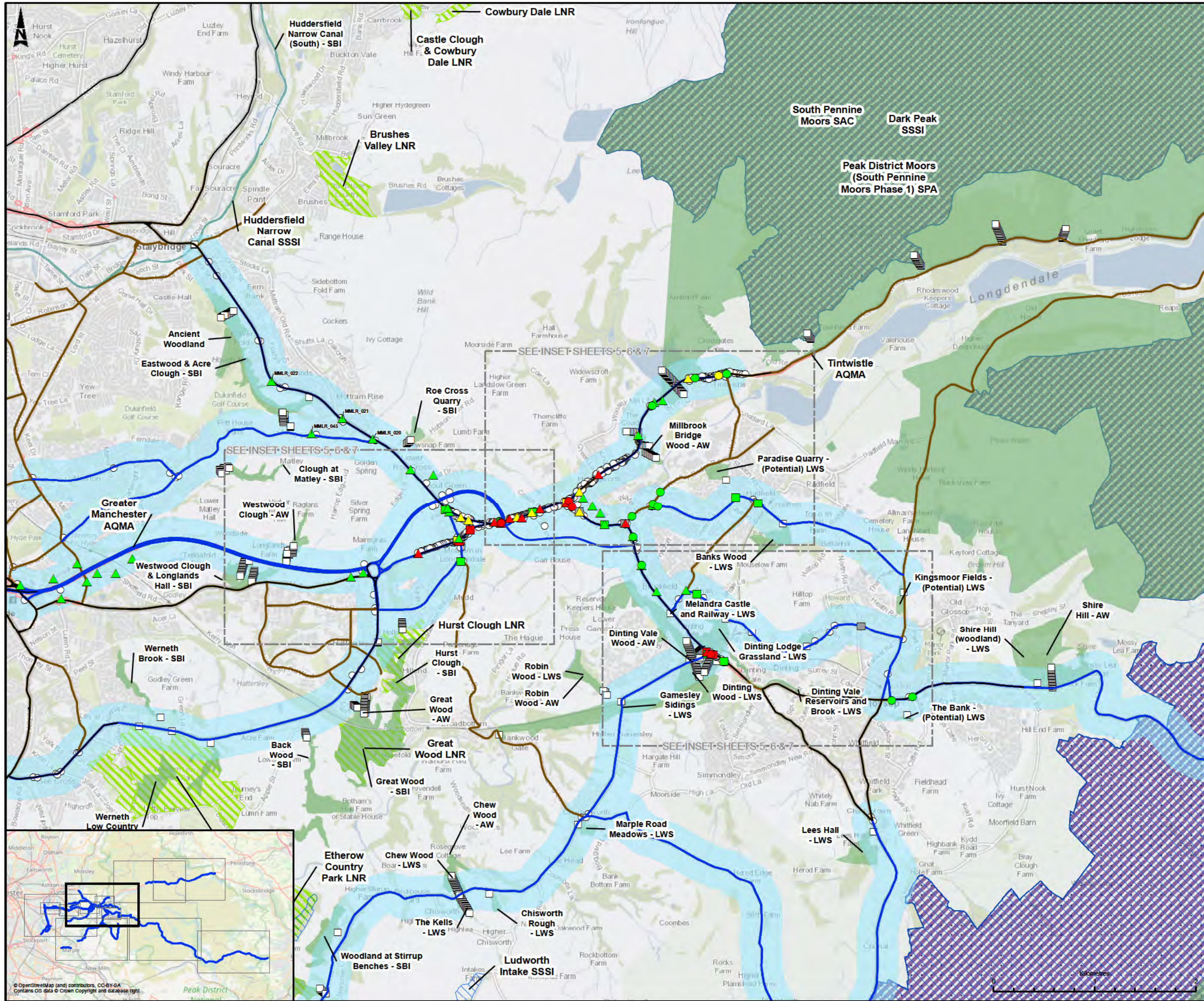
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Location | Type | Role | Number
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LEGEND

- AIR QUALITY STUDY AREA
- AIR QUALITY MANAGEMENT AREAS

DESIGNATED ECOLOGICAL SITES

- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SPECIAL PROTECTION AREAS (SPA)
- SPECIAL AREAS OF CONSERVATION (SAC)
- LOCAL NATURE RESERVES (LNR)
- NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)

ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA

ADDITIONAL MODELLED ROAD NETWORK

MODELLED HUMAN HEALTH RECEPTORS

MODELLED ECOLOGICAL RECEPTORS

DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS

- <= 40 µg/m³
- > 40 µg/m³

DIFFUSION TUBE SITES

- NO DATA
- < 36 µg/m³
- 36 to 40 µg/m³
- > 40 µg/m³
- LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
- HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
- HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
- HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

Description	Status	Revision	Issue Date
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Client: highways england

Scheme Name: A57 LINK ROADS

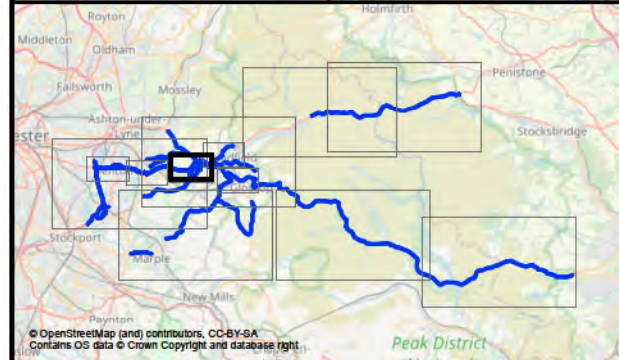
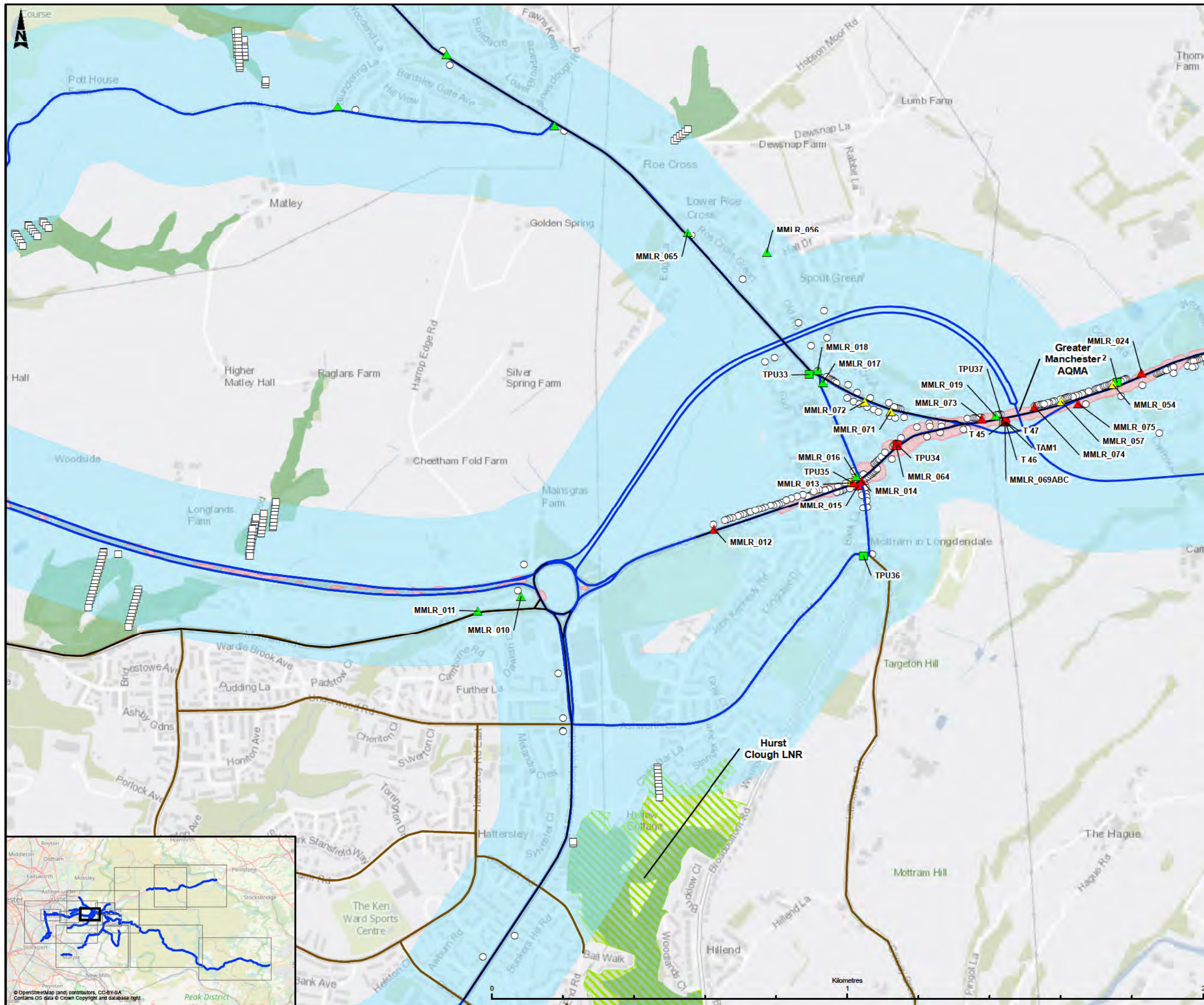
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AIR QUALITY CONSTRAINTS
SHEET 4 OF 12**

DRG Ref. No.:

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A57_AL_SCHEME - DR - LA - 000001		

Location	Type	Role	Number
Scale	1:35,000	Original Size	A3 Rev. P01

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- LEGEND**
- AIR QUALITY STUDY AREA
 - AIR QUALITY MANAGEMENT AREAS
 - DESIGNATED ECOLOGICAL SITES**
 - SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SPECIAL PROTECTION AREAS (SPA)
 - SPECIAL AREAS OF CONSERVATION (SAC)
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 - NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
 - ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
 - ADDITIONAL MODELLED ROAD NETWORK
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 - HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

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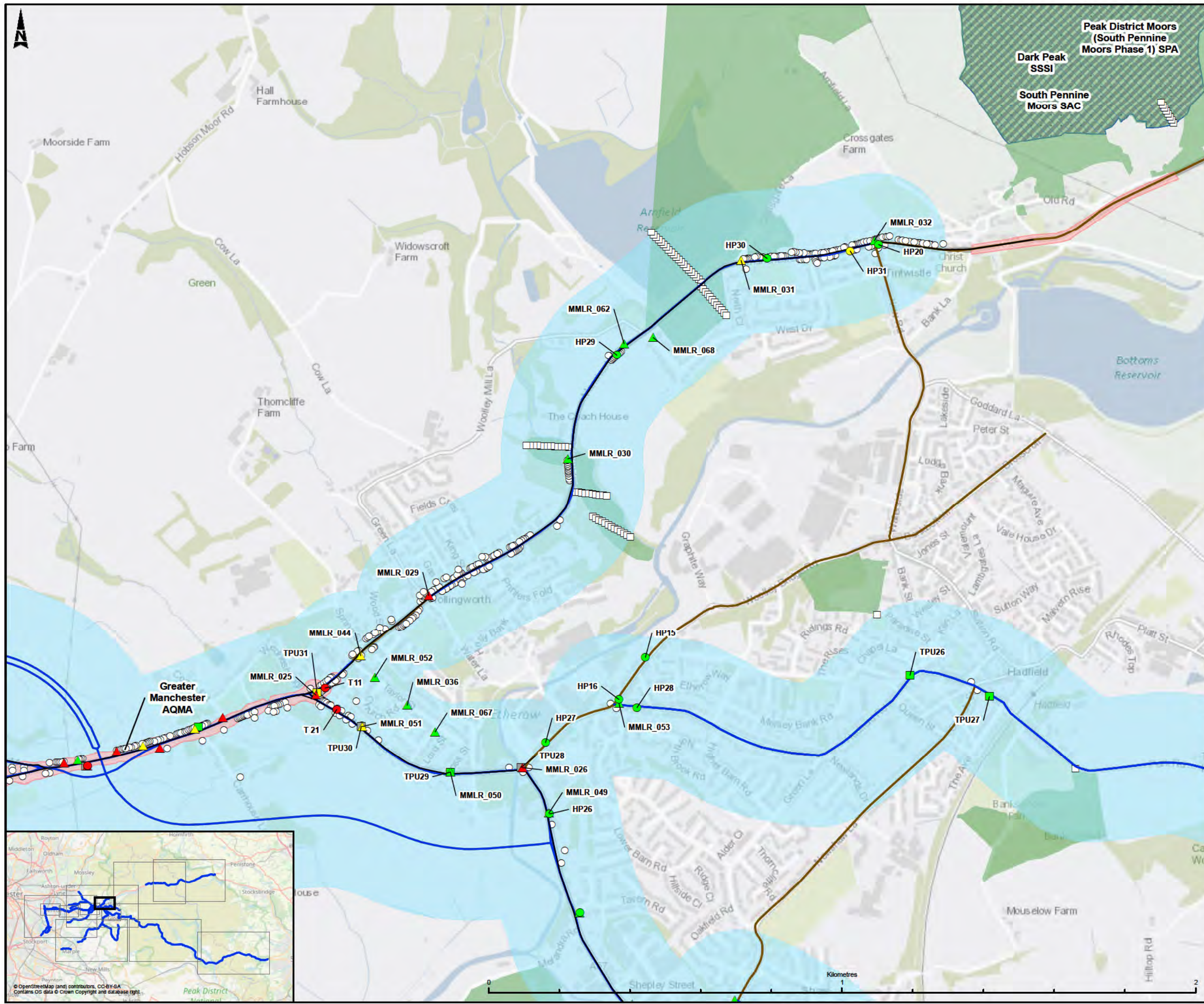
Client: highways england

Scheme Name: **A57 LINK ROADS**

Drawing Title: **FIGURE 5.1
AIR QUALITY CONSTRAINTS
SHEET 5 OF 12**

PIG Ref. No:

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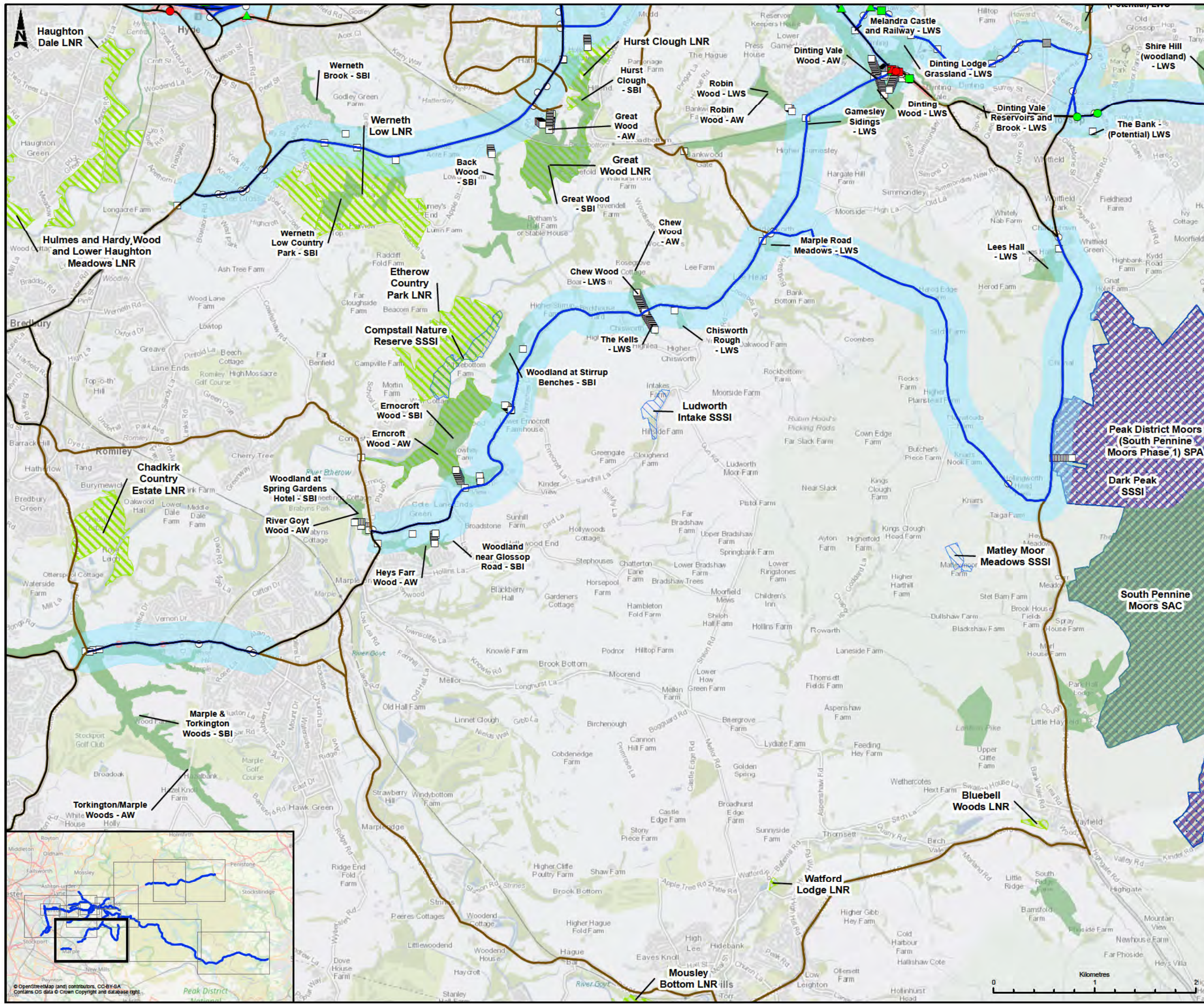
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- AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES**
 - SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SPECIAL PROTECTION AREAS (SPA)
 - SPECIAL AREAS OF CONSERVATION (SAC)
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 - MODELLED ECOLOGICAL RECEPTORS
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 - <= 40 µg/m³
 - > 40 µg/m³
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 - NO DATA
 - < 36 µg/m³
 - 36 to 40 µg/m³
 - > 40 µg/m³
 - LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
 - HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

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Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	S2	P01	28/10/20
Drawing Suitability	FOR INFORMATION		S2
Client			
Scheme Name	A57 LINK ROADS		
Drawing Title	FIGURE 5.1 AIR QUALITY CONSTRAINTS SHEET 6 OF 12		
PIG Ref. No.			
Drawing Number	Originator	Volume	
HE551473 - BBA - EAQ -			
A57_AL_SCHEME - DR - LA - 000001			
Location	Type	Role	Number
Scale	Original Size	Rev.	
1:10,000	A3	P01	



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LEGEND

- AIR QUALITY STUDY AREA
- AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES
- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SPECIAL PROTECTION AREAS (SPA)
- SPECIAL AREAS OF CONSERVATION (SAC)
- LOCAL NATURE RESERVES (LNR)
- NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
- ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
- ADDITIONAL MODELLED ROAD NETWORK
- MODELLED HUMAN HEALTH RECEPTORS
- MODELLED ECOLOGICAL RECEPTORS

DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS

- <= 40 $\mu\text{g}/\text{m}^3$
- > 40 $\mu\text{g}/\text{m}^3$

DIFFUSION TUBE SITES

- NO DATA
- < 36 $\mu\text{g}/\text{m}^3$
- 36 to 40 $\mu\text{g}/\text{m}^3$
- > 40 $\mu\text{g}/\text{m}^3$
- LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
- HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
- HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
- HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

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Description	Status	Revision	Issue Date
	S2	P01	28/10/20

FOR INFORMATION S2

Client: **highways england**

Scheme Name: **A57 LINK ROADS**

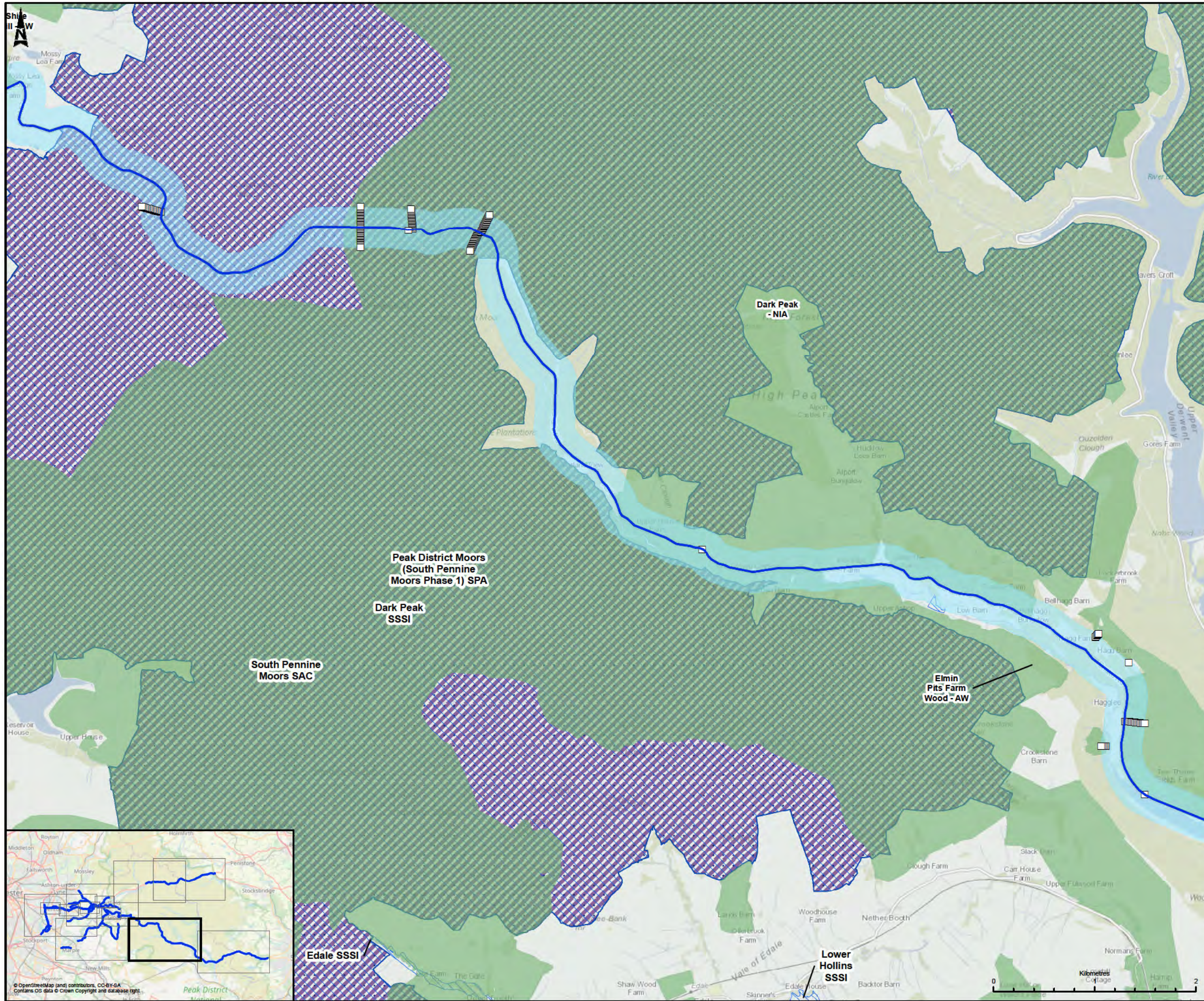
Drawing Title: **FIGURE 5.1 AIR QUALITY CONSTRAINTS SHEET 8 OF 12**

PIG Ref. No:

Drawing Number: HE551473 - BBA - EAQ - A57_AL_SCHEME - DR - LA - 000001

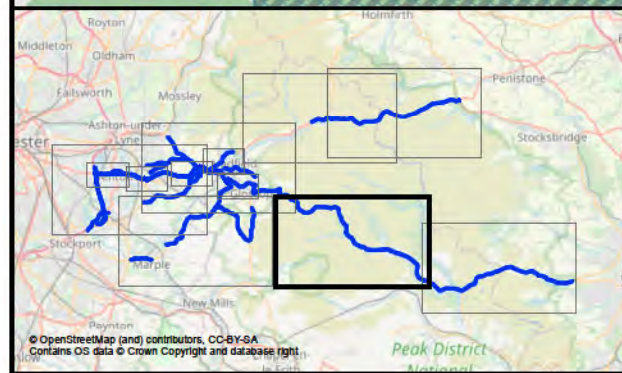
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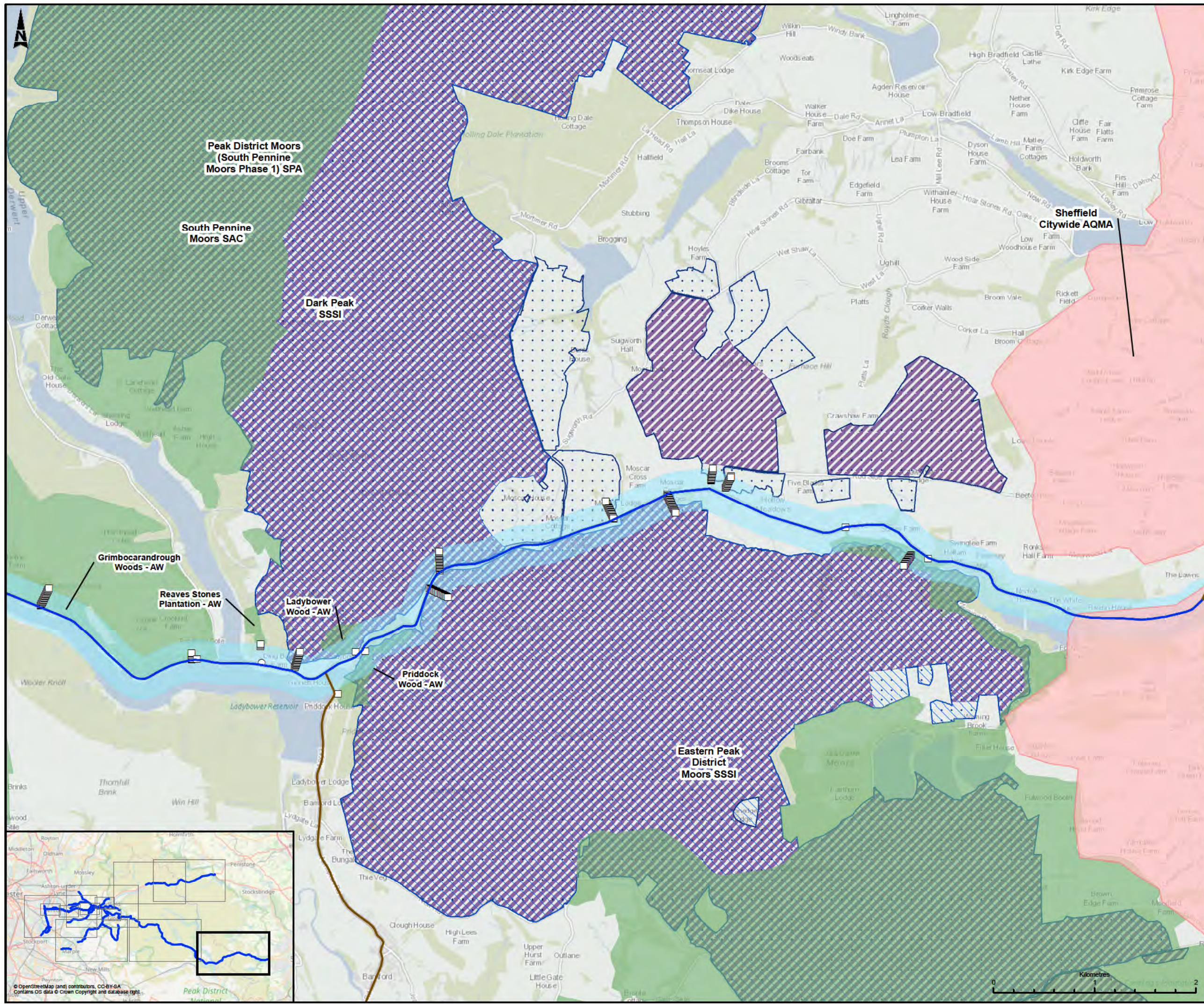
LEGEND

- AIR QUALITY STUDY AREA
- AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES**
- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SPECIAL PROTECTION AREAS (SPA)
- SPECIAL AREAS OF CONSERVATION (SAC)
- LOCAL NATURE RESERVES (LNR)
- NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
- ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
- ADDITIONAL MODELLED ROAD NETWORK
- MODELLED HUMAN HEALTH RECEPTORS
- MODELLED ECOLOGICAL RECEPTORS
- DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS**
- <=40 µg/m³
- > 40 µg/m³
- DIFFUSION TUBE SITES**
- NO DATA
- < 36 µg/m³
- 36 to 40 µg/m³
- > 40 µg/m³
- LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
- HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
- HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
- HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)



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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
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Status	S2	Revision P01	Issue Date 28/10/20
Drawing Suitability	FOR INFORMATION		Status S2
Client			
Scheme Name	A57 LINK ROADS		
Drawing Title	FIGURE 5.1 AIR QUALITY CONSTRAINTS SHEET 9 OF 12		
PS Ref. No.			
Drawing Number	Originator	Volume	
HE551473 - BBA - EAQ -			
A57_AL_SCHEME - DR - LA -			000001
Location	Type	Role	Number
Scale	Original Size	Rev.	
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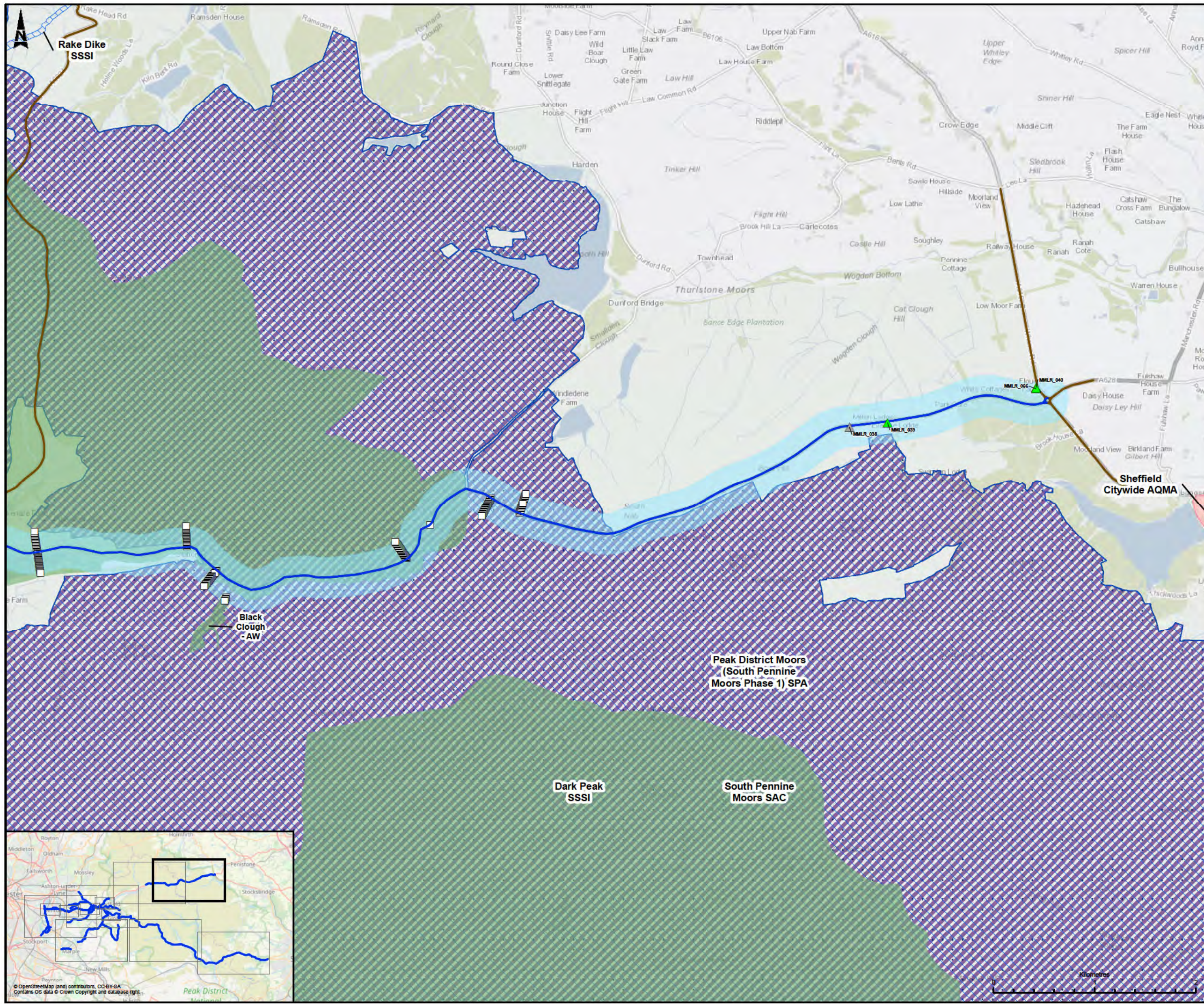
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- AIR QUALITY MANAGEMENT AREAS
- DESIGNATED ECOLOGICAL SITES**
 - SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 - SPECIAL PROTECTION AREAS (SPA)
 - SPECIAL AREAS OF CONSERVATION (SAC)
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 - NON-STATUTORY DESIGNATED SITES (LWS, SBI, AW)
- ROADS MEETING DMRB LA105 TRAFFIC SCREENING CRITERIA
- ADDITIONAL MODELLED ROAD NETWORK
- MODELLED HUMAN HEALTH RECEPTORS
- MODELLED ECOLOGICAL RECEPTORS
- DEFRA PCM ROADSIDE NO₂ CONCENTRATIONS**
 - <=40 µg/m³
 - > 40 µg/m³
- DIFFUSION TUBE SITES**
 - NO DATA
 - < 36 µg/m³
 - 36 to 40 µg/m³
 - > 40 µg/m³
 - LA DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION
 - HE MMLR SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE M60 SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)
 - HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

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Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
	S2	P01	28/10/20

Drawing Suitability	FOR INFORMATION	Status	S2
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Client	
Scheme Name	A57 LINK ROADS
Drawing Title	FIGURE 5.1 AIR QUALITY CONSTRAINTS SHEET 10 OF 12
PIS Ref. No.	
Drawing Number	HE551473 - BBA - EAQ - A57_AL_SCHEME - DR - LA - 000001
Scale	1:35,000
Original Size	A3
Rev.	P01



LEGEND

- AIR QUALITY STUDY AREA
- AIR QUALITY MANAGEMENT AREAS

DESIGNATED ECOLOGICAL SITES

- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
- SPECIAL PROTECTION AREAS (SPA)
- SPECIAL AREAS OF CONSERVATION (SAC)
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- HE TPU SURVEY DIFFUSION TUBE SITES - 2018 ANNUAL MEAN NO₂ CONCENTRATION (ANNUALISED)

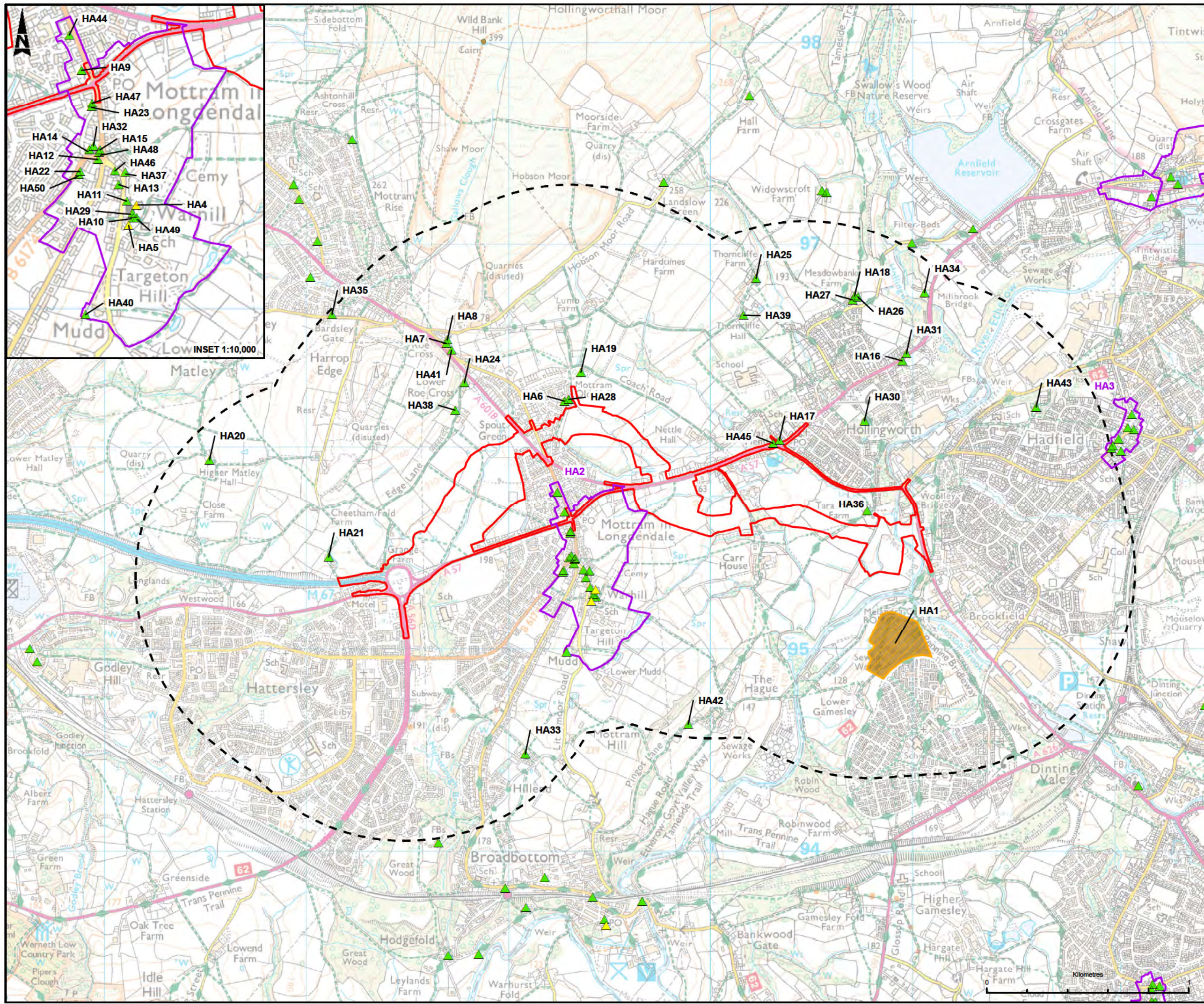
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Status	Revision	Issue Date	
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Status	S2	Revision	P01
Issue Date	28/10/20		
Drawing Suitability	FOR INFORMATION		Status
			S2
Client			
Scheme Name	A57 LINK ROADS		
Drawing Title	FIGURE 5.1 AIR QUALITY CONSTRAINTS SHEET 12 OF 12		
PIG Ref. No.			
Drawing Number	Originator	Volume	
HE551473	BBA	EAQ	
A57_AL_SCHEME	DR	LA	000001
Location	Type	Role	Number
Scale	Original Size	Rev.	
1:35,000	A3	P01	

Cultural heritage

Figure 6.1 Designated Heritage Assets

Figure 6.2 Non-Designated Heritage Assets



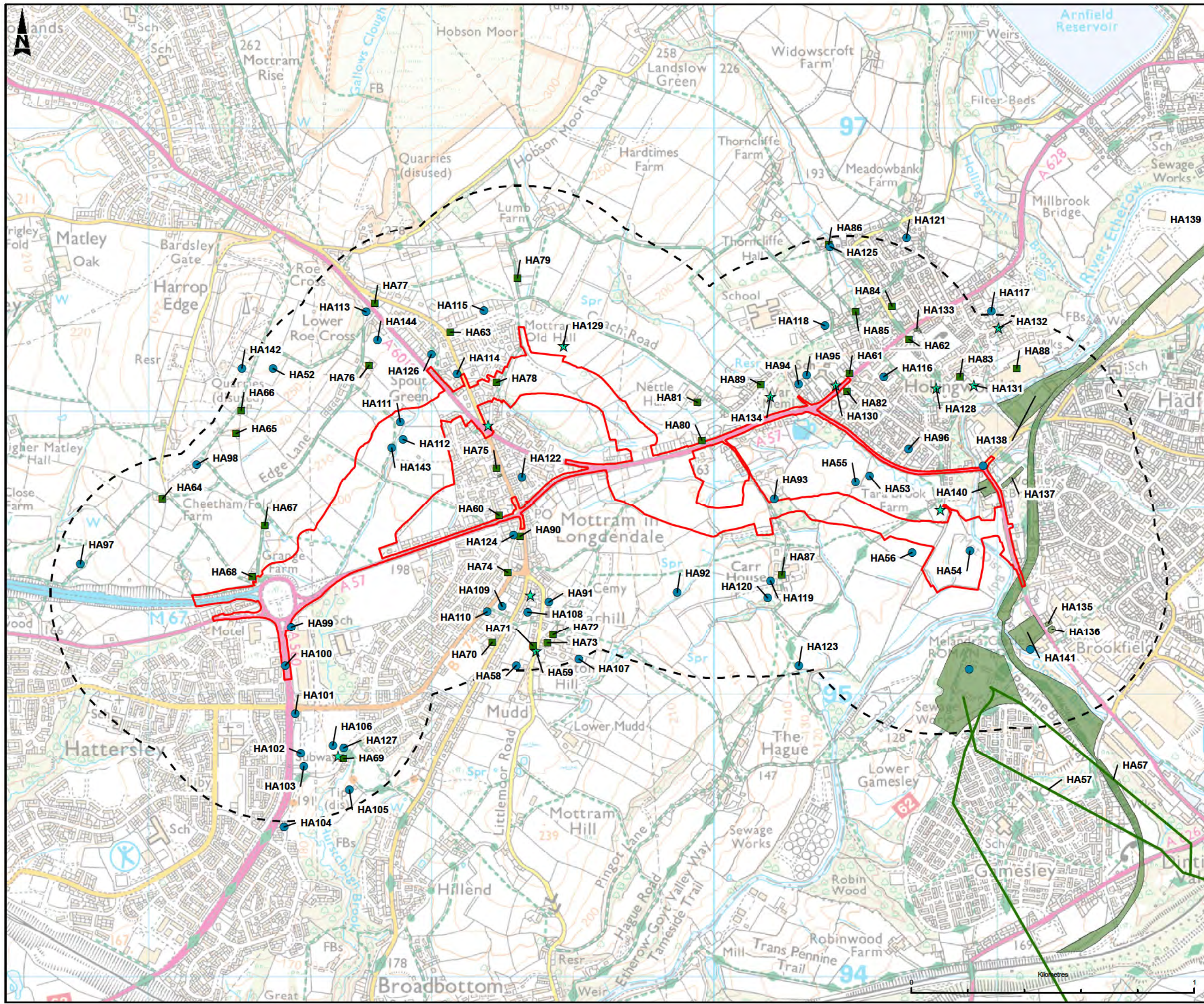
LEGEND

- DEVELOPMENT CONSENT ORDER BOUNDARY
- 1KM STUDY
- CONSERVATION
- SCHEDULED MONUMENTS
- HERITAGE AT

LISTED BUILDINGS

- GRADE II*
- GRADE II

Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	S2	P01	28/10/20
Drawing Suitability	FOR INFORMATION		S2
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Scheme Name	A57 LINK ROADS		
Drawing Title	FIGURE 6.1 DESIGNATED HERITAGE ASSETS		
PG Ref. No.			
Drawing Number	Originator	Volume	
HE551473 - BBA - EHR -			
A57_AL_SCHEME - DR - LH - 000001			
Location	Type	Role	Number
Scale	Original Size	Rev.	P01
1:17,500	A3		



LEGEND

- DEVELOPMENT CONSENT ORDER BOUNDARY
- 500M STUDY AREA
- MONUMENT POLYGONS
- MONUMENT LINES
- BUILDINGS
- MONUMENTS
- PLACES

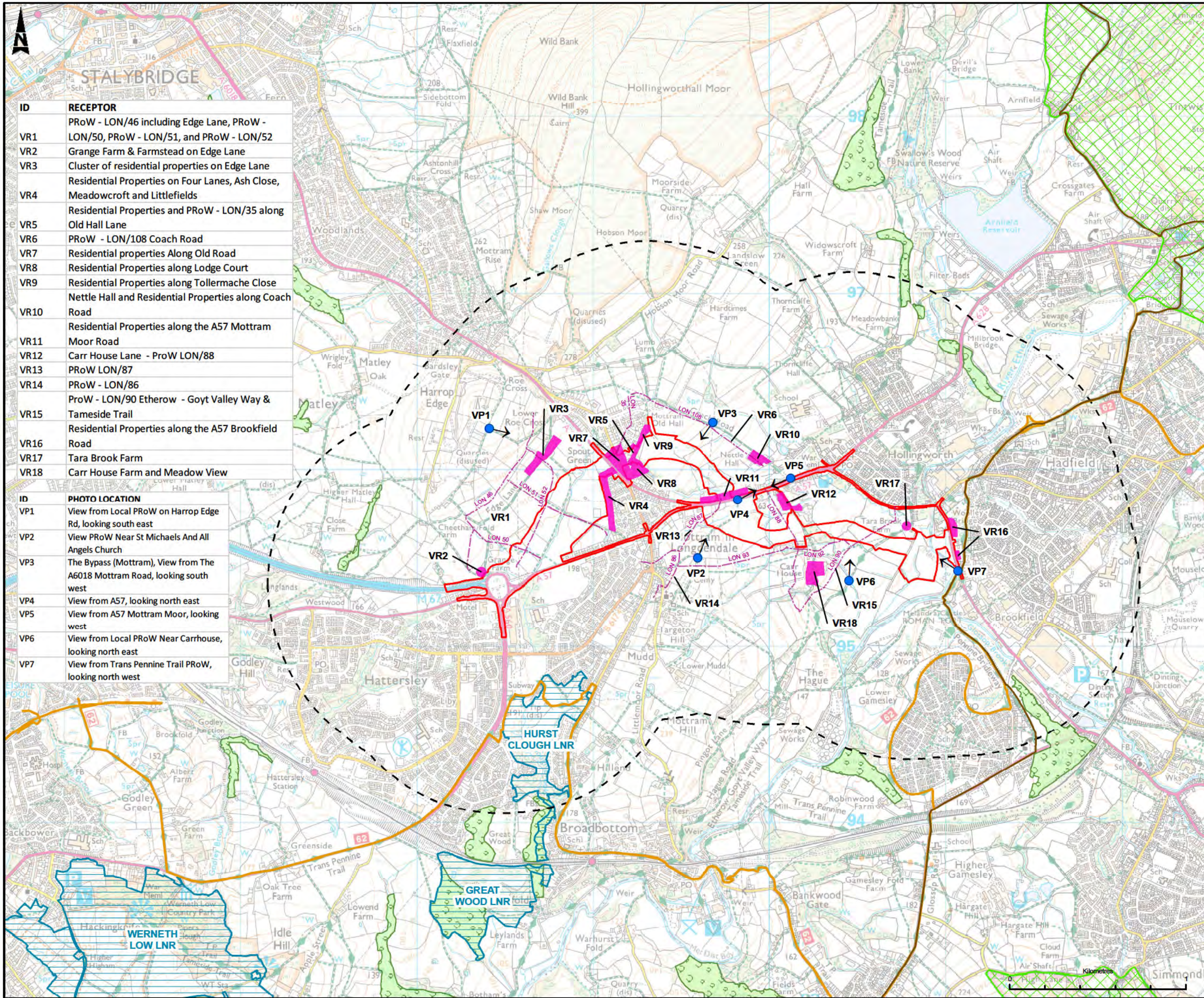
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 Drawing Suitability: FOR INFORMATION | Status: S2
 Client: **highways england**
 Scheme Name: A57 LINK ROADS
 Drawing Title: **FIGURE 6.2 NON-DESIGNATED HERITAGE ASSETS**
 PIG Ref. No.:
 Drawing Number: HE551473 - BBA - EHR -
 Location: A57_AL_SCHEME - DR - LH - 000002
 Scale: 1:12,500 | Original Size: A3 | Rev: P01

Landscape and visual effects

Figure 7.1 Visual Receptors, Landscape designations and photo view locations

Figure 7.2 Scheme Level Character Areas

Figure 7.3 Representative Photo Sheets (1-7)



ID	RECEPTOR
VR1	PRoW - LON/46 including Edge Lane, PRoW - LON/50, PRoW - LON/51, and PRoW - LON/52
VR2	Grange Farm & Farmstead on Edge Lane
VR3	Cluster of residential properties on Edge Lane
VR4	Residential Properties on Four Lanes, Ash Close, Meadowcroft and Littlefields
VR5	Residential Properties and PRoW - LON/35 along Old Hall Lane
VR6	PRoW - LON/108 Coach Road
VR7	Residential properties Along Old Road
VR8	Residential Properties along Lodge Court
VR9	Residential Properties along Toller mache Close
VR10	Nettle Hall and Residential Properties along Coach Road
VR11	Residential Properties along the A57 Mottram Moor Road
VR12	Carr House Lane - ProW LON/88
VR13	PRoW LON/87
VR14	PRoW - LON/86
VR15	ProW - LON/90 Etherow - Goyt Valley Way & Tameside Trail
VR16	Residential Properties along the A57 Brookfield Road
VR17	Tara Brook Farm
VR18	Carr House Farm and Meadow View

ID	PHOTO LOCATION
VP1	View from Local PRoW on Harrop Edge Rd, looking south east
VP2	View PRoW Near St Michaels And All Angels Church
VP3	The Bypass (Mottram), View from The A6018 Mottram Road, looking south west
VP4	View from A57, looking north east
VP5	View from A57 Mottram Moor, looking west
VP6	View from Local PRoW Near Carrhouse, looking north east
VP7	View from Trans Pennine Trail PRoW, looking north west

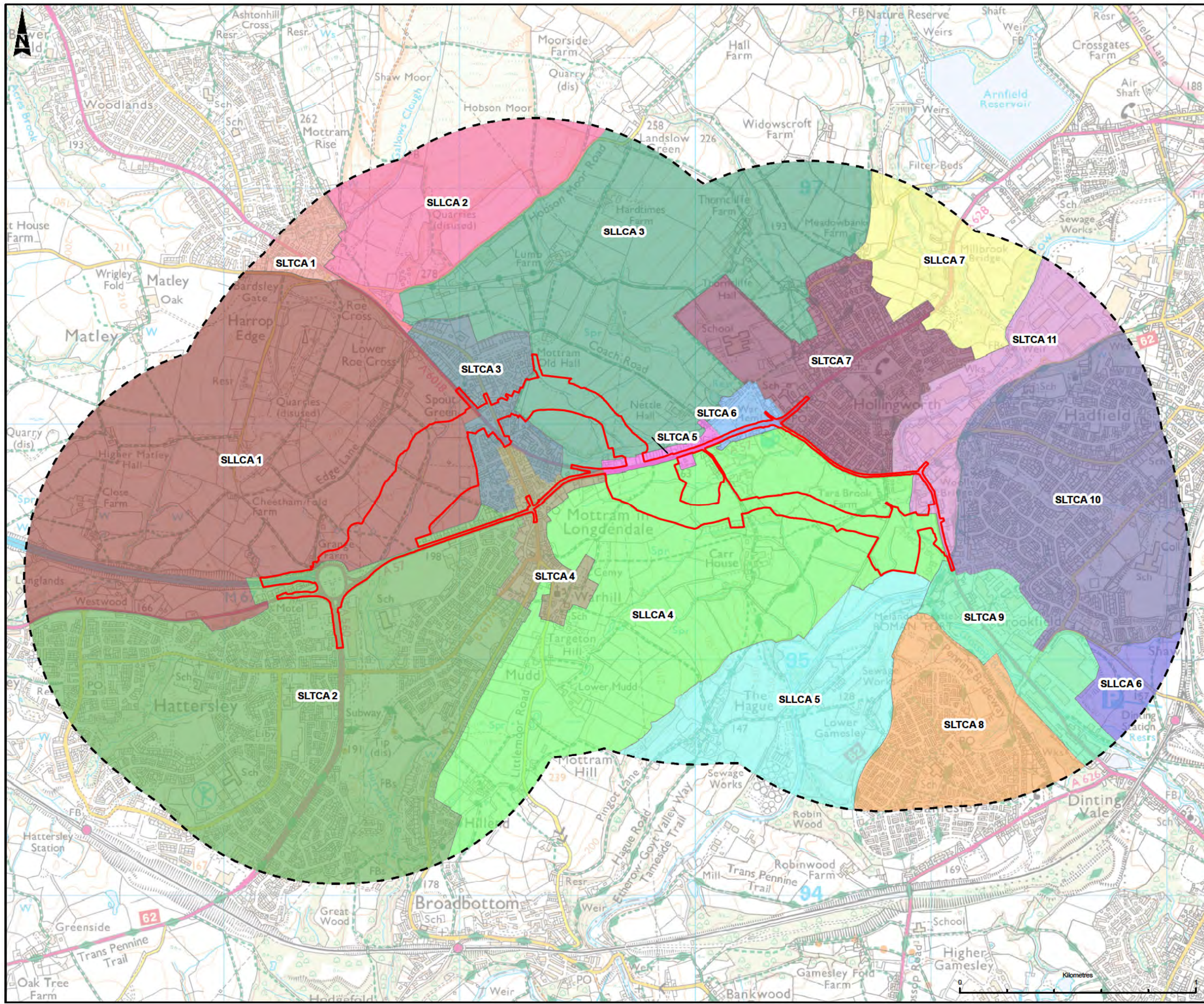
LEGEND	
	DEVELOPMENT CONSENT ORDER BOUNDARY
	1KM STUDY AREA
	ANCIENT WOODLAND
	NATIONAL PARKS
	LOCAL NATURE RESERVES (LNR)
	CONSERVATION AREAS
	NATIONAL TRAILS
	NATIONAL CYCLE ROUTE 62 - TRANS PENNINE TRAIL
	PUBLIC RIGHTS OF WAY (PROW)
	VISUAL RECEPTORS WITH POTENTIAL SIGNIFICANT EFFECT
	PHOTO VIEW LOCATIONS

Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	S2	P01	28/10/20
FOR INFORMATION			S2



FIGURE 7.1
VISUAL RECEPTORS, LANDSCAPE DESIGNATIONS AND PHOTO VIEW LOCATIONS

Drawing Number	HE551473	Originator	BBA	Volume	ELS
Location	A57_AL_SCHEME	Type	DR	Role	LL
Scale	1:20,000	Original Size	A3	Rev.	P01



LEGEND

- DEVELOPMENT CONSENT ORDER BOUNDARY
- 1KM STUDY AREA

SCHEME LEVEL LANDSCAPE CHARACTER AREAS

- SLLCA 1 - HARROP EDGE VALLEY PASTURE
- SLLCA 2 - HOLLINGWORTH HALL MOORLAND SLOPES
- SLLCA 3 - MOTTRAM MOOR PASTURE
- SLLCA 4 - ETHEROW VALLEY PASTURE
- SLLCA 5 - ETHEROW VALLEY FLOOR WITH WOODLAND
- SLLCA 6 - BROOKFIELD VALLEY FLOOR
- SLLCA 7 - SWALLOW VALLEY WITH WOODLAND

SCHEME LEVEL TOWNSCAPE CHARACTER AREAS

- SLTCA 1 - SOUTH STALYBRIDGE
- SLTCA 2 - WEST MOTTRAM AND HATTERSLEY
- SLTCA 3 - MOTTRAM SPROUT GREEN
- SLTCA 4 - OLD MOTTRAM
- SLTCA 5 - MOTTRAM MOOR
- SLTCA 6 - WEDNESHOUGH GREEN
- SLTCA 7 - HOLLINGSWORTH
- SLTCA 8 - GAMESLEY
- SLTCA 9 - BROOKFIELD INDUSTRIAL VALLEY
- SLTCA 10 - HADFIELD
- SLTCA 11 - ETHEROW INDUSTRIAL VALLEY FLOOR

Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	S2	P01	28/10/20

Drawing Suitability: FOR INFORMATION Status: S2

Client: **highways england**

Scheme Name: A57 LINK ROADS

Drawing Title: **FIGURE 7.2
SCHEME LEVEL CHARACTER AREAS**

PIB Ref. No:

Drawing Number	Originator	Volume
HE551473	BBA	ELS
A57_AL_SCHEME	DR	LL - 0000011
Location	Type	Role / Number
Scale	Original Size	Rev.
1:15,000	A3	P01

DO NOT SCALE

100
0 10
Millimetres



PHOTO VIEW 1; 90 DEGREE VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM LOCAL PROW ON HARROP EDGE RD, LOOKING SOUTH EAST

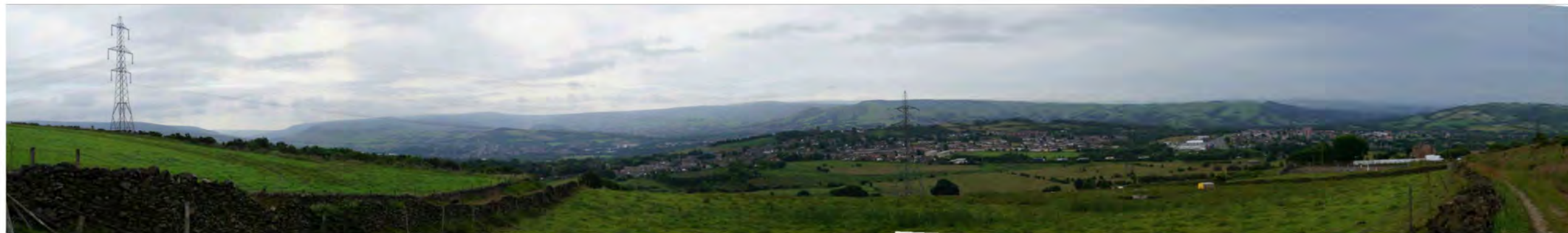


PHOTO VIEW 1; FULL PANORAMIC VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM LOCAL PROW ON HARROP EDGE RD, LOOKING SOUTH EAST

NOTES:



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Description	Status	Revision	Issue Date

Drawing Suitability	Status
FOR INFORMATION	S2



Scheme Name
A57 LINK ROADS

Drawing Title
**FIGURE 7.3
A57 LINK ROADS
REPRESENTATIVE PHOTO VIEW 1
SHEET 1 OF 7**

PD Ref. No.

Drawing Number	Originator	Volume
HE551473	BBA	ELS
A57_AL_SCHEME	DR	LL
Scale	Original Size	Rev.
NTS @ A3	A3	P01

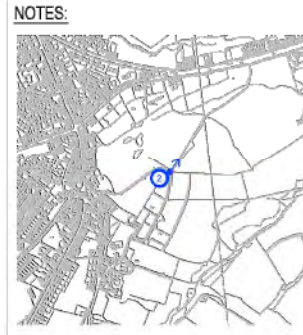


PHOTO VIEW 2; 90 DEGREES VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW PROW NEAR ST MICHAELS AND ALL ANGELS CHURCH

90 DEGREES VIEW



PHOTO VIEW 2; FULL PANORAMIC VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW PROW NEAR ST MICHAELS AND ALL ANGELS CHURCH



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Status	Revision	Issue Date
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Status	Revision	Issue Date
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Status	Revision	Issue Date
Description		
Status	SD	P01.2

Drawing Substability	FOR INFORMATION		Status
			S2

Client

Scheme Name **A57 LINK ROADS**

Drawing Title

**FIGURE 7.3
A57 LINK ROADS
REPRESENTATIVE PHOTO VIEW 2
SHEET 2 OF 7**

FD Ref. No.			
Drawing Number	Originator	Volume	
HE551473	BBA	ELS	
A57_AL_SCHEME	DR	LL	000002
Location	Type	Size	Number
Scale: NTS @ A3	Original Size: A3		Rev: P01

DO NOT SCALE

100
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Millimetres



PHOTO VIEW 3; 90 DEGREES VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, THE BYPASS (MOTTRAM), VIEW FROM THE A6018 MOTTRAM ROAD, LOOKING SOUTH WEST

← 90 DEGREES VIEW →



PHOTO VIEW 3; FULL PANORAMIC VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, THE BYPASS (MOTTRAM), VIEW FROM THE A6018 MOTTRAM ROAD, LOOKING SOUTH WEST

NOTES:



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Status	Revision	Issue Date	
Description			
Status	SO	Revision P01.2	Issue Date —

Drawing Suitability	Status
FOR INFORMATION	S2



Scheme Name
A57 LINK ROADS

Drawing Title
**FIGURE 7.3
A57 LINK ROADS
REPRESENTATIVE PHOTO VIEW 3
SHEET 3 OF 7**

Drawing Number: Scheme HE551473 - BBA A57_AL_SCHEME	Originator: BBA DR - LL	Volume: ELS 000003
Scale: NTS @ A3	Original Size: A3	Rev: P01

DO NOT SCALE



PHOTO VIEW 4; 90 DEGREES VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM A57, LOOKING NORTH EAST

90 DEGREES VIEW



PHOTO VIEW 4; FULL PANORAMIC VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM A57, LOOKING NORTH EAST

NOTES:



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Description	Status	Revision	Issue Date
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Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date

Drawing Suitability	Status
FOR INFORMATION	S2



Scheme Name
A57 LINK ROADS

Drawing Title
**FIGURE 7.3
A57 LINK ROADS
REPRESENTATIVE PHOTO VIEW 4
SHEET 4 OF 7**

Drawing Number	Originator	Volume
HE551473	BBA	ELS
A57_AL_SCHEME	DR - LL	000004
Scale	Original Size	Rev.
NTS @ A3	A3	P01



PHOTO VIEW 6; 90 DEGREES VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM LOCAL PROW NEAR CARRHOUSE, LOOKING NORTH EAST



PHOTO VIEW 6; FULL PANORAMIC VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM LOCAL PROW NEAR CARRHOUSE, LOOKING NORTH EAST

90 DEGREES VIEW

NOTES:



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Description	Status	Revision	Issue Date

<small>Drawing Substability</small>	FOR INFORMATION		<small>Status</small> S2
<small>Client</small>			
<small>Scheme Name</small>	A57 LINK ROADS		
<small>Drawing Title</small>	FIGURE 7.3 A57 LINK ROADS REPRESENTATIVE PHOTO VIEW 6 SHEET 6 OF 7		
<small>PD Ref. No.</small>			
<small>Drawing Number</small>	<small>Originator</small>	<small>Volume</small>	
HE551473	BBA	ELS	
<small>Location</small>	<small>Type</small>	<small>Base</small>	<small>Number</small>
A57_AL_SCHEME	DR	LL	000006
<small>Scale:</small>	<small>Original Size:</small>	<small>Number:</small>	<small>Rev.:</small>
NTS @ A3	A3	P01	

DO NOT SCALE



PHOTO VIEW 7; 90 DEGREES VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM TRANS PENNINE TRAIL PROW, LOOKING NORTH WEST

90 DEGREES VIEW



PHOTO VIEW 7; FULL PANORAMIC VIEW - MOTTRAM MOOR LINK ROAD AND A57 (T) TO A57 LINK ROAD, VIEW FROM TRANS PENNINE TRAIL PROW, LOOKING NORTH WEST

NOTES:



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Drawing Substability	Status
FOR INFORMATION	S2



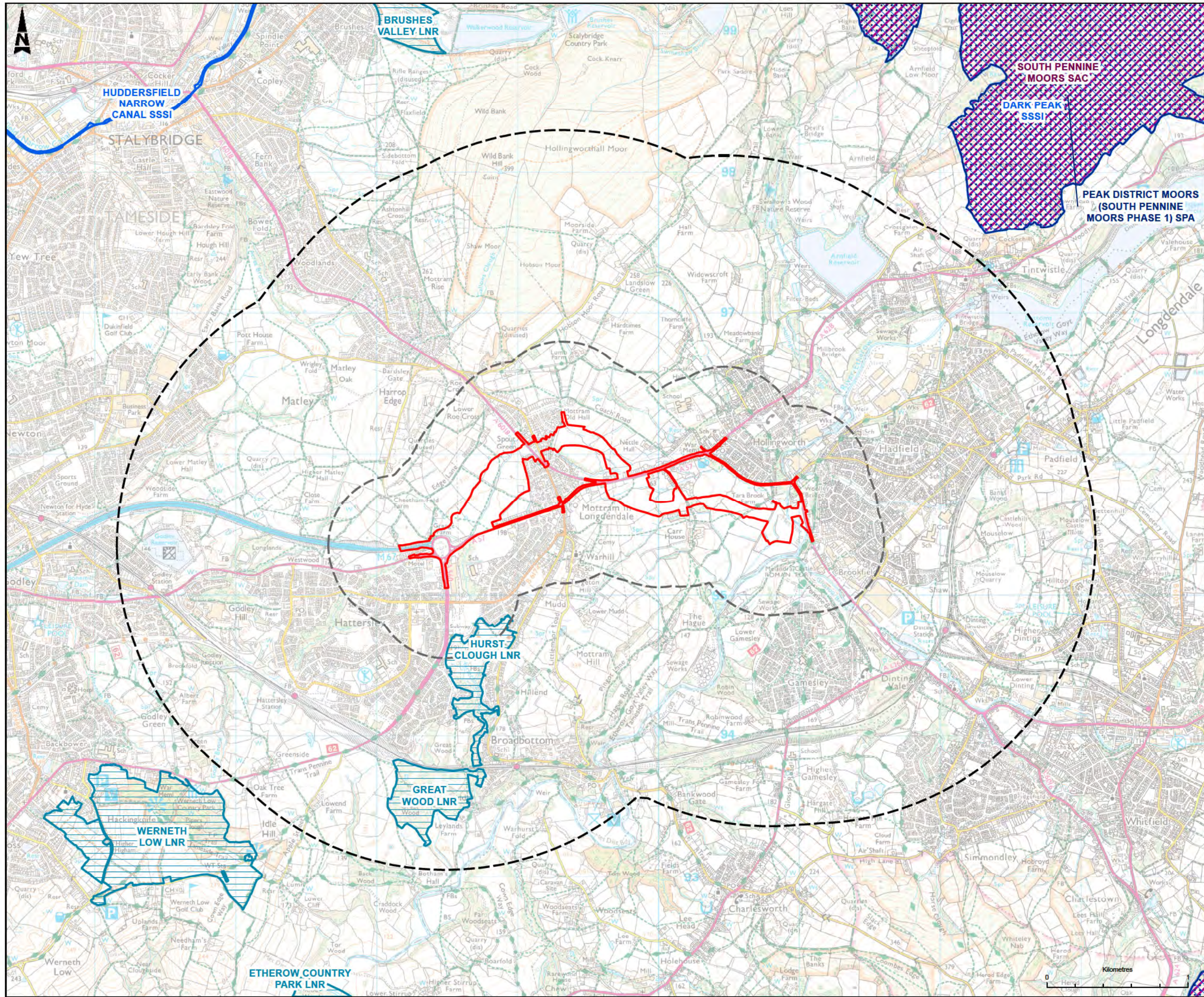
Scheme Name
A57 LINK ROADS








Drawing Title
**FIGURE 7.3
A57 LINK ROADS
REPRESENTATIVE PHOTO VIEW 7
SHEET 7 OF 7**

PD Ref. No.			
Drawing Number	Originator	Volume	
HE551473	BBA	ELS	
A57_AL_SCHEME		DR - LL	000007
Location	Type	Issue	Number
NTS @ A3	A3		P01


Biodiversity

Figure 8.1 Statutory Designated sites for Nature Conservation



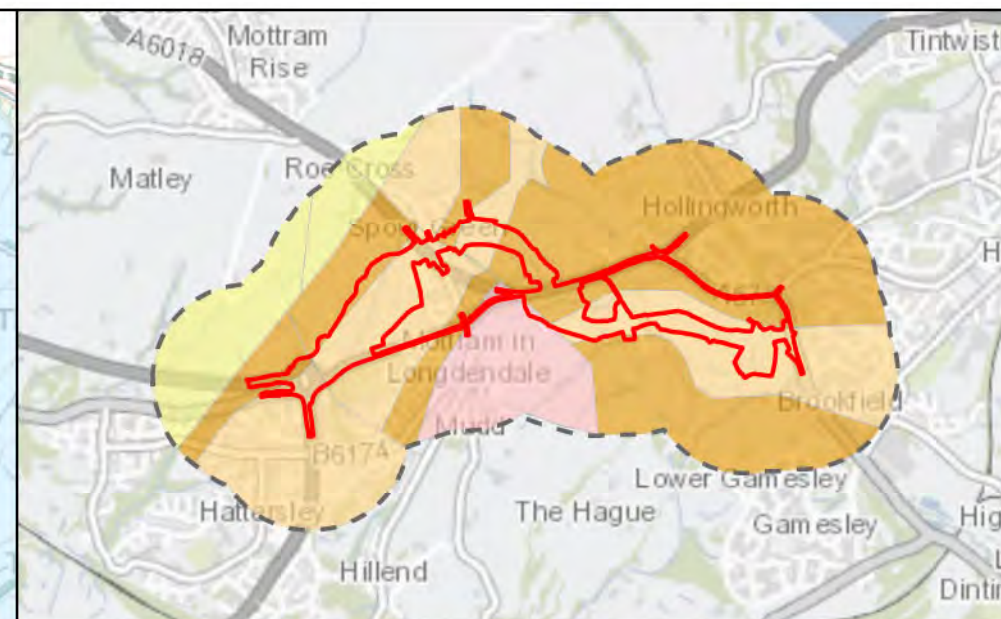
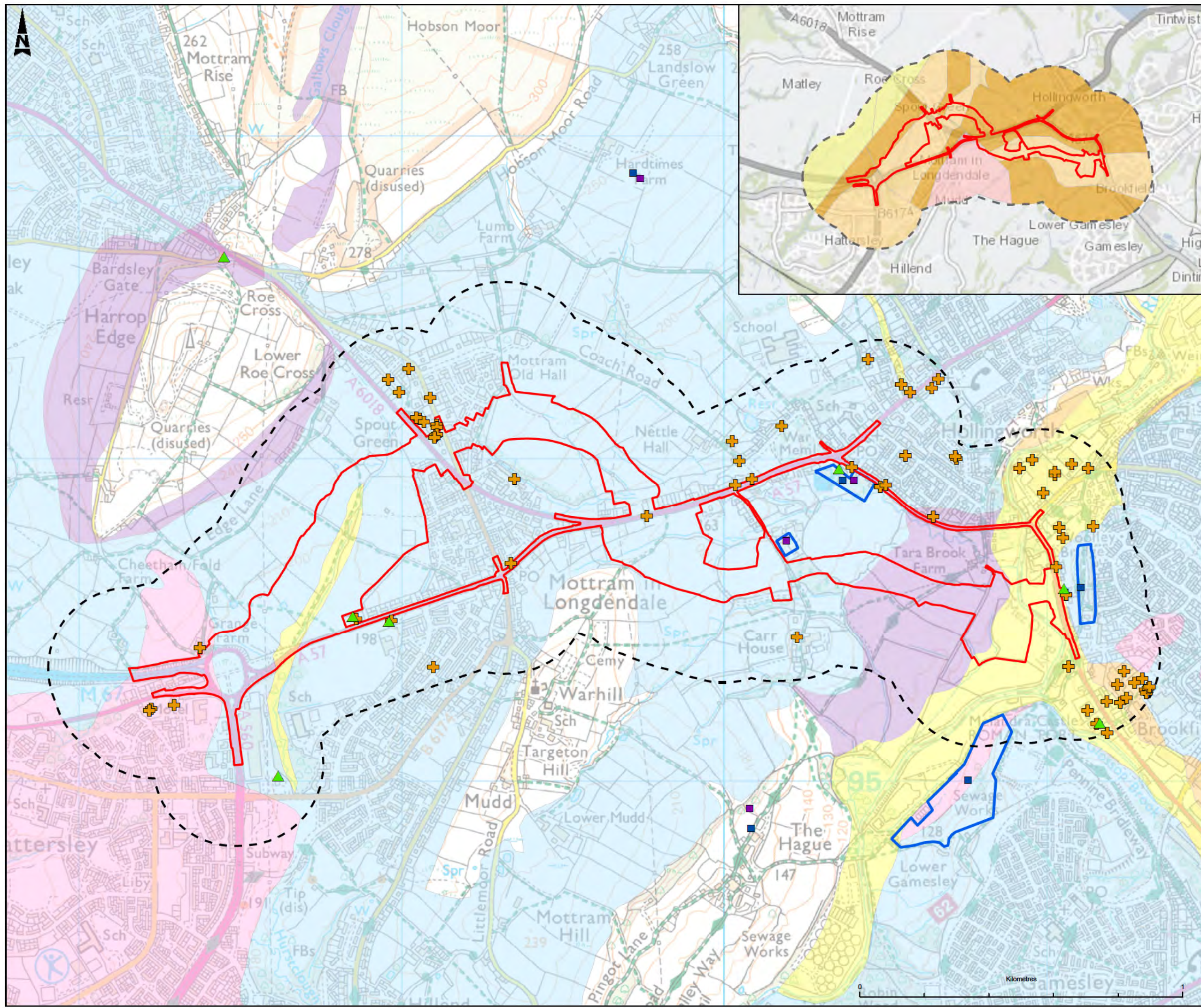
- LEGEND**
-  DEVELOPMENT CONSENT ORDER BOUNDARY
 -  500M STUDY AREA
 -  2KM STUDY AREA
 -  SPECIAL AREAS OF CONSERVATION (SAC)
 -  SPECIAL PROTECTION AREAS (SPA)
 -  SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)
 -  LOCAL NATURE RESERVES (LNR)

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Description	Status	Revision	Issue Date
	S2	P01	28/10/20
Drawing Suitability			Status
FOR INFORMATION			S2
 Scheme Name A57 LINK ROADS			
Drawing Title FIGURE 8.1 STATUTORY DESIGNATED SITES FOR NATURE CONSERVATION			
PIS Ref. No.:			
Drawing Number Scheme HE551473 - BBA - EBD - A57_AL_SCHEME - DR - LE - 000001			
Location Scale 1:25,000 Original Size: A3 Rev: P01			

Geology and Soils

Figure 9.1 Geology and soils baseline



LEGEND

- DEVELOPMENT CONSENT ORDER BOUNDARY
- 250M STUDY AREA
- 500M STUDY AREA
- HISTORIC LANDFILL
- ▲ FUEL STATIONS
- + TRADE DIRECTORIES
- EA REGISTERED LANDFILL
- HIGH PEAK RECORDED LANDFILL
- TAMESIDE RECORDED LANDFILL

BEDROCK GEOLOGY: SECONDARY A AQUIFER

- FLETCHER BANK GRIT / HUDDERSFIELD WHITE ROCK
- HEBDEN FORMATION / LOWER KILDERSCOUT GRIT
- MARSDEN FORMATION
- ROSSENDALE FORMATION

SUPERFICIAL GEOLOGY

- TILL DEVENSIAN: SECONDARY (UNDIFFERENTIATED)
- HEAD DEPOSITS: SECONDARY (UNDIFFERENTIATED)
- RIVER TERRACE DEPOSITS: SECONDARY A AQUIFER
- ALLUVIUM / ALLUVIAL FAN DEPOSITS: SECONDARY A AQUIFER
- GLACIOFLUVIAL DEPOSITS/ICE CONTACT DEPOSITS, DEVENSIAN

THERE ARE 40 POTENTIALLY CONTAMINATIVE TRADE DIRECTORIES AND 28 POLLUTION INCIDENTS WITHIN THE STUDY AREA. UXO RISK OF LOW. AGRICULTURAL LAND CLASSIFICATION OF GRADE 4 (POOR QUALITY LAND)

Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
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Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date
Description	Status	Revision	Issue Date

Drawing Suitability: FOR INFORMATION Status: S2

Client: **highways england**

Scheme Name: **A57 LINK ROADS**

Drawing Title: **FIGURE 9.1 GEOLOGY AND SOILS CONSTRAINTS**

PIG Ref. No.:

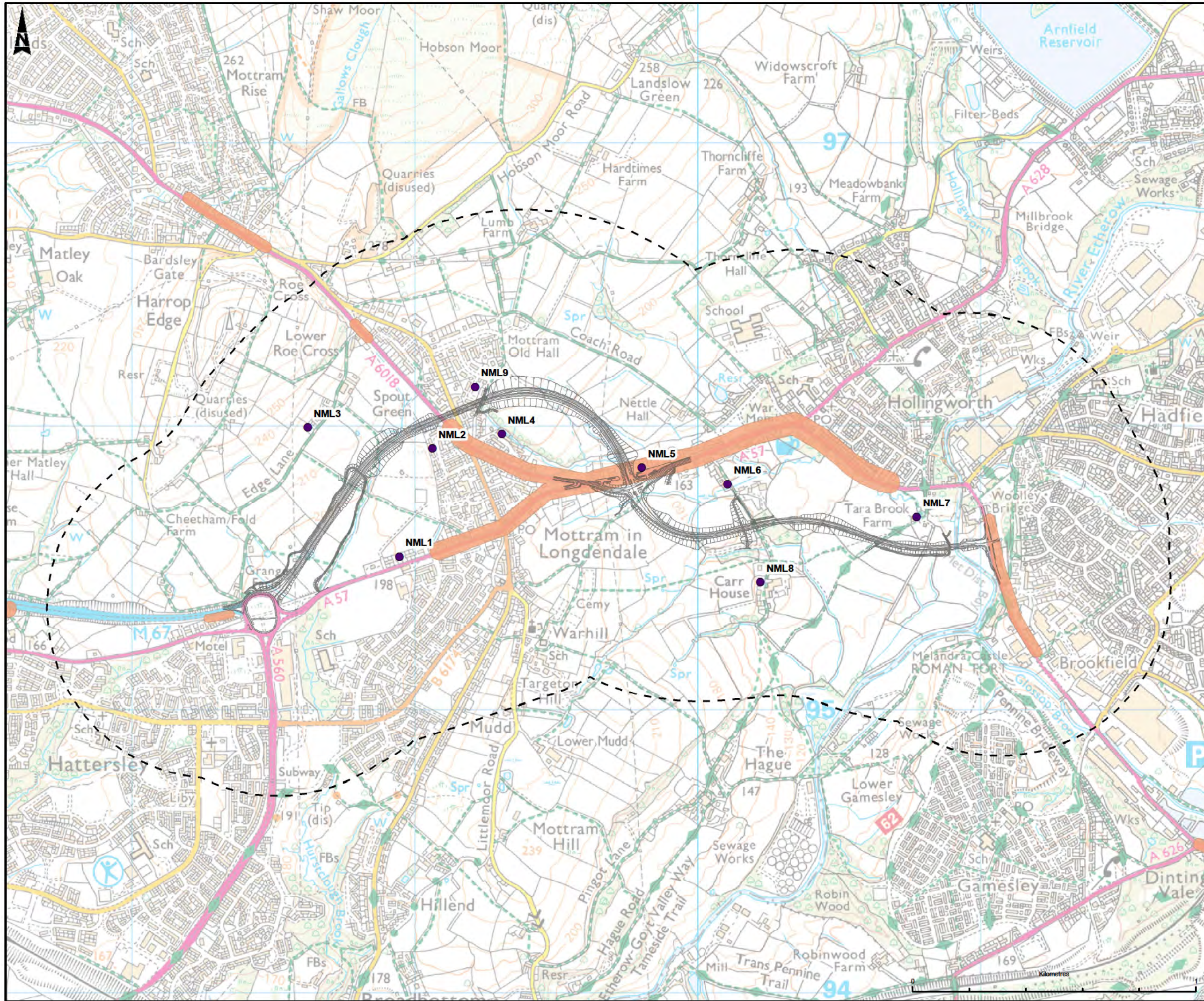
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HE551473	BBA	EGT
A57_AL_SCHEME	DR	LC - 000001
Location	Type	Role / Number
A57		
Scale	Original Size	Rev.
1:11,000	A3	P01

Noise and vibration

Figure 11.1 Noise Sensitive Receptor and Monitoring Locations

Figure 11.2 Noise Short-term Change

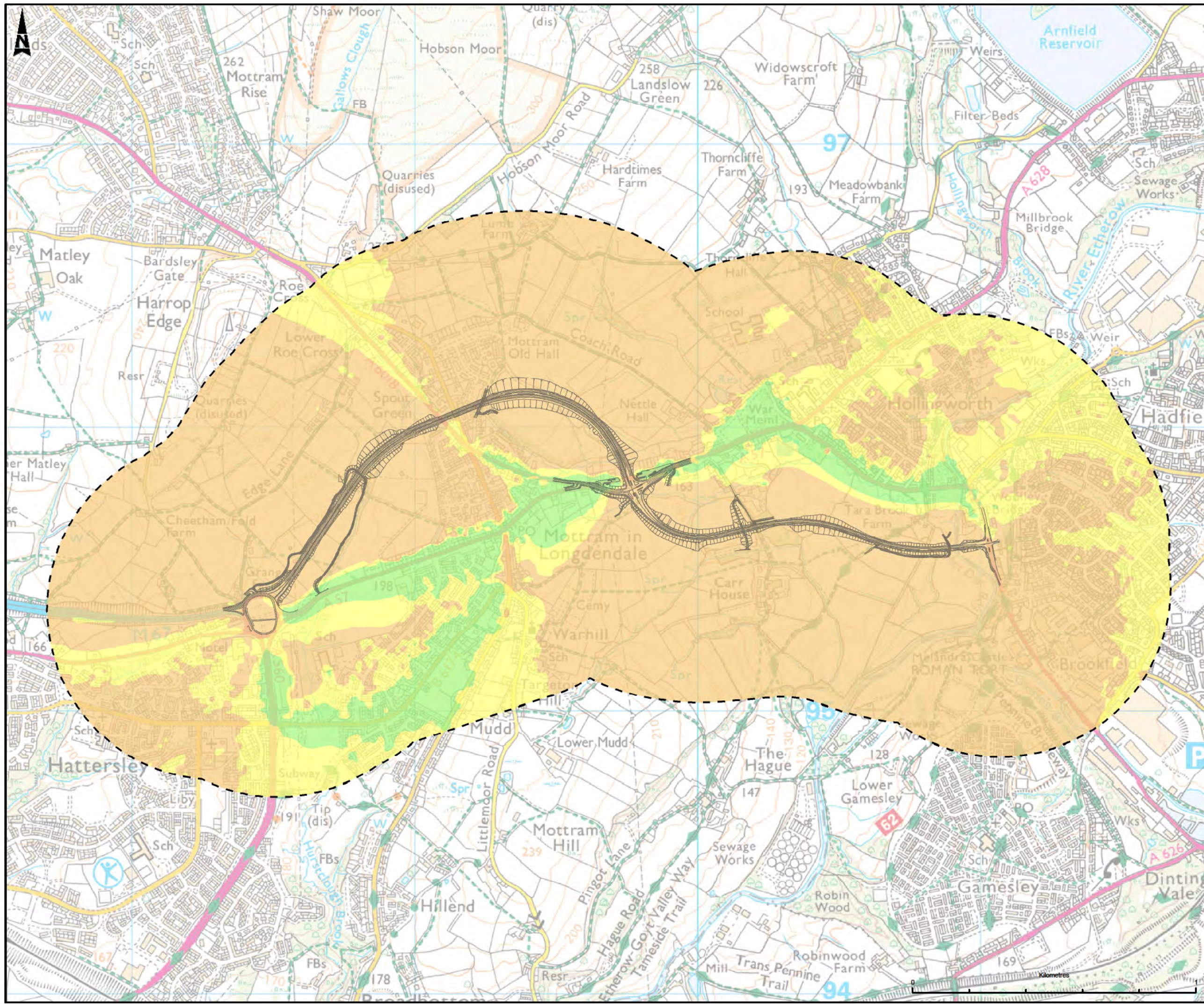
Figure 11.3 Noise Long-term Change



LEGEND

- 600M STUDY AREA
- NOISE IMPORTANT AREAS
- PROPOSED ALIGNMENT
- MONITORING LOCATIONS

Description			
Status	Revision	Issue Date	
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Status	Revision	Issue Date	
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Status	Revision	Issue Date	
Description			
Status	Revision	Issue Date	29/10/20
Drawing Suitability			Status
FOR INFORMATION			S2
Client			
Scheme Name			
A57 LINK ROADS			
Drawing Title			
FIGURE 11.1 NOISE MONITORING LOCATIONS, 600M STUDY AREA AND NOISE IMPORTANT AREAS			
PIG Ref. No.			
Drawing Number			
HE551473 - BBA - ENV -			
A57_AL_SCHEME - DR - LN - 000001			
Location			
Type Role Number			
Scale			
1:12,500 Original Size: A3 Rev: P01			



LEGEND

- 600M STUDY AREA
- PROPOSED ALIGNMENT
- NOISE LEVEL dB L_{A10,15HR}**
- GREATER THAN OR EQUAL TO 1dB DECREASE
- CHANGE CONSIDERED IMPERCEPTIBLE
- GREATER THAN OR EQUAL TO 1dB INCREASE

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Drawing Suitability	FOR INFORMATION		S2

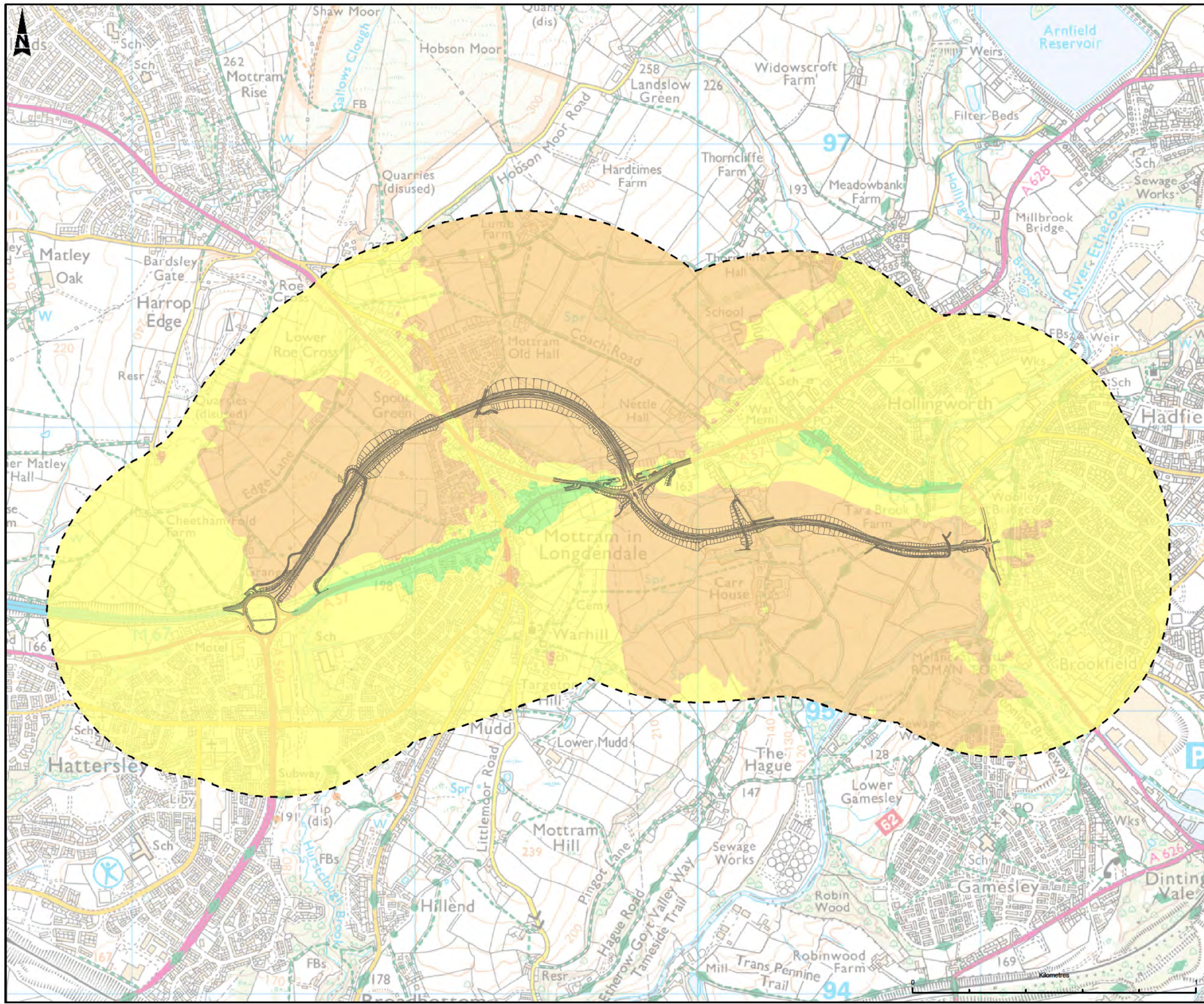
highways england

Scheme Name: **A57 LINK ROADS**

Drawing Title: **FIGURE 11.2 SHORT-TERM NOISE CHANGE**

PG Ref. No:

Drawing Number	Originator	Volume
HE551473 - BBA - ENV -	A57_AL_SCHEME - DR - LN -	000002
Location	Type	Role
Scale	Original Size	Rev.
1:12,500	A3	P01



LEGEND

- 600M STUDY AREA
- PROPOSED ALIGNMENT
- NOISE LEVEL dB L_{A10,18HR}**
 - GREATER THAN OR EQUAL TO 3dB DECREASE
 - CHANGE CONSIDERED IMPERCEPTIBLE
 - GREATER THAN OR EQUAL TO 3dB INCREASE

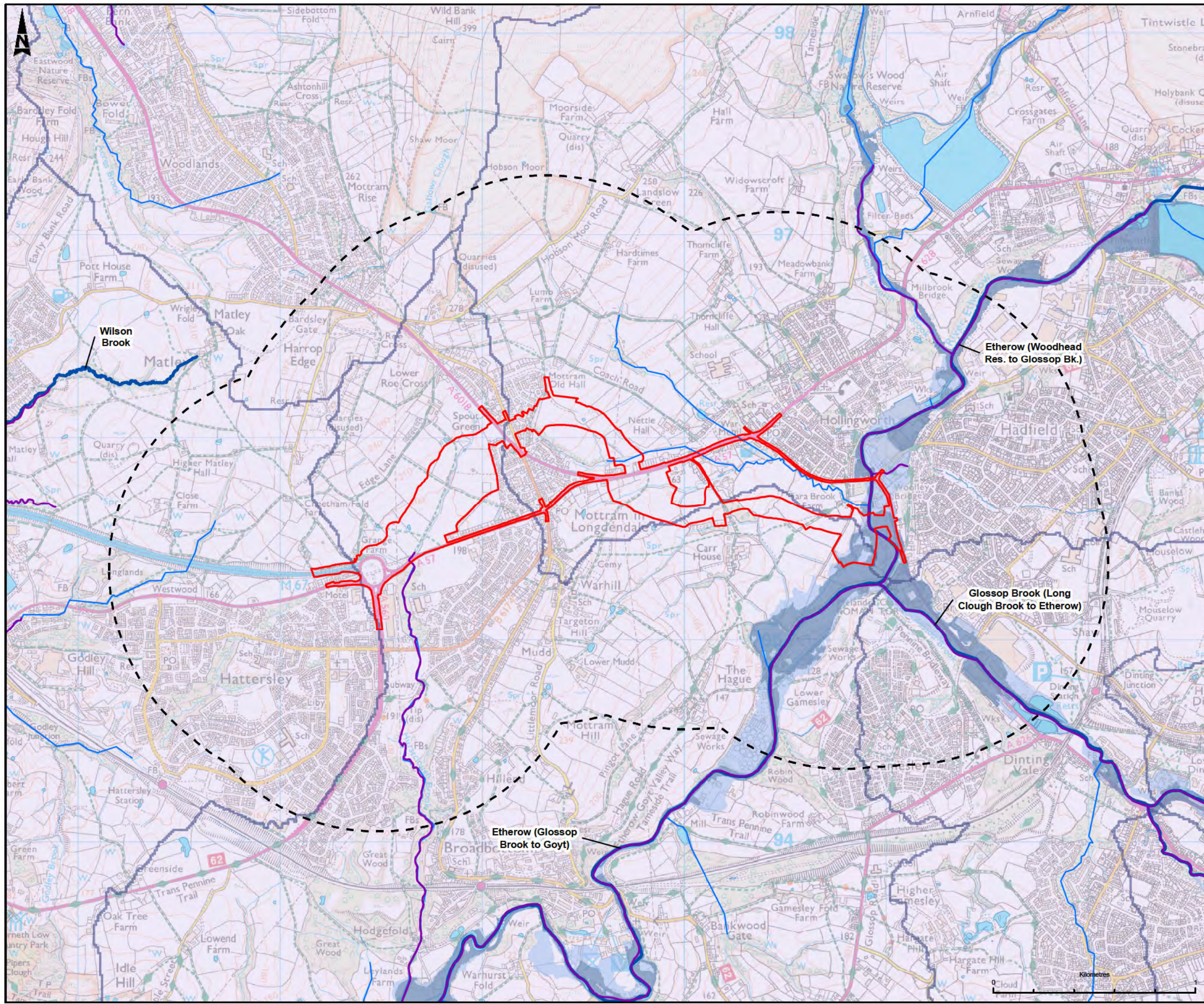
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Description	S2	P01	29/10/20
Drawing Suitability	FOR INFORMATION		S2
Client			
Scheme Name	A57 LINK ROADS		
Drawing Title	FIGURE 11.3 LONG-TERM NOISE CHANGE		
PG Ref. No.			
Drawing Number	Originator	Volume	
HE551473 - BBA - ENV -			
A57_AL_SCHEME - DR - LN - 000003			
Location	Type	Role	Number
Scale	Original Size	Rev.	P01
1:12,500	A3		

Population and human health

Figure 12.1 Community Facilities and Commercial Assets

Road drainage and water environment

Figure 13.1 Surface Water Receptors



- LEGEND**
- DEVELOPMENT CONSENT ORDER BOUNDARY
 - 1KM STUDY AREA
 - WFD WATERCOURSES
 - STATUTORY MAIN RIVERS
 - ORDINARY WATERCOURSES
 - SURFACE WATERBODIES
 - SURFACE WATERBODY CATCHMENTS
 - FLOOD ZONE 3 (1 IN 100 OR GREATER CHANCE OF FLOODING EACH YEAR)
 - FLOOD ZONE 2 (1 IN 1000 CHANCE OF FLOODING EACH YEAR)
 - GROUNDWATER BODY (MANCHESTER AND EAST CHESHIRE CARBONIFEROUS AQUIFERS)

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Description	Status	Revision	Issue Date

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Scheme Name: A57 LINK ROADS

Drawing Title: FIGURE 13.1 SURFACE WATER RECEPTORS

Drawing Number	HE551473	Originator	BBA	Volume	EGN
Scheme	A57_AL_SCHEME	Type	DR	Role	LM
Location		Number			000002
Scale	1:17,500	Original Size	A3	Rev.	P01

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