

Lower Thames Crossing

6.2 Environmental Statement Figures

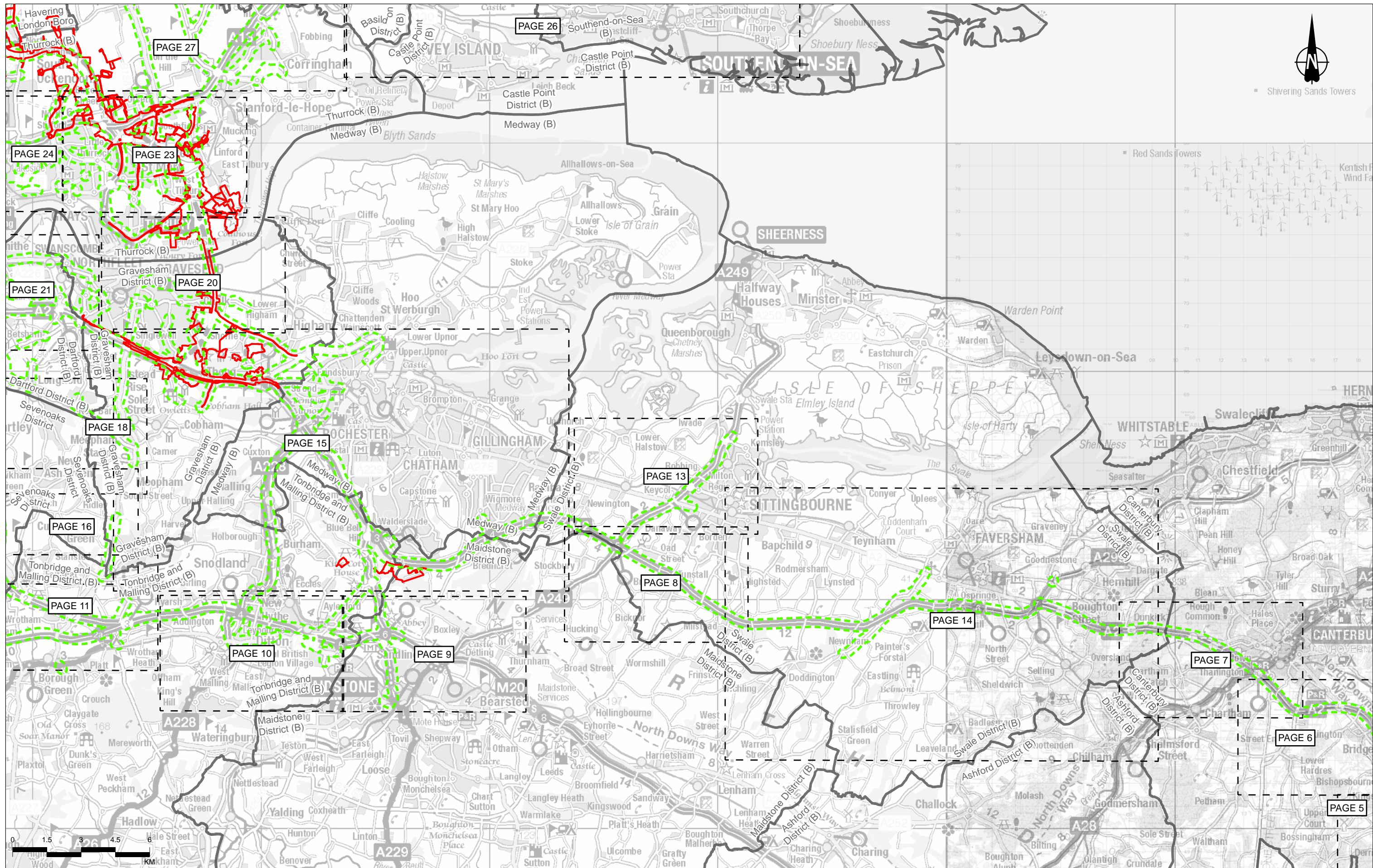
Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data (1 of 3)

APFP Regulation 5(2)(a)
Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009
Volume 6

DATE: October 2022

Planning Inspectorate Scheme Ref: TR010032
Application Document Ref: TR010032/APP/6.2

VERSION: 1.0

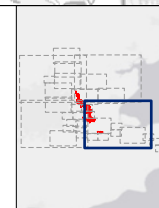


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S2	10/10/2022	DCO Application	CD	MS	PM

Legend

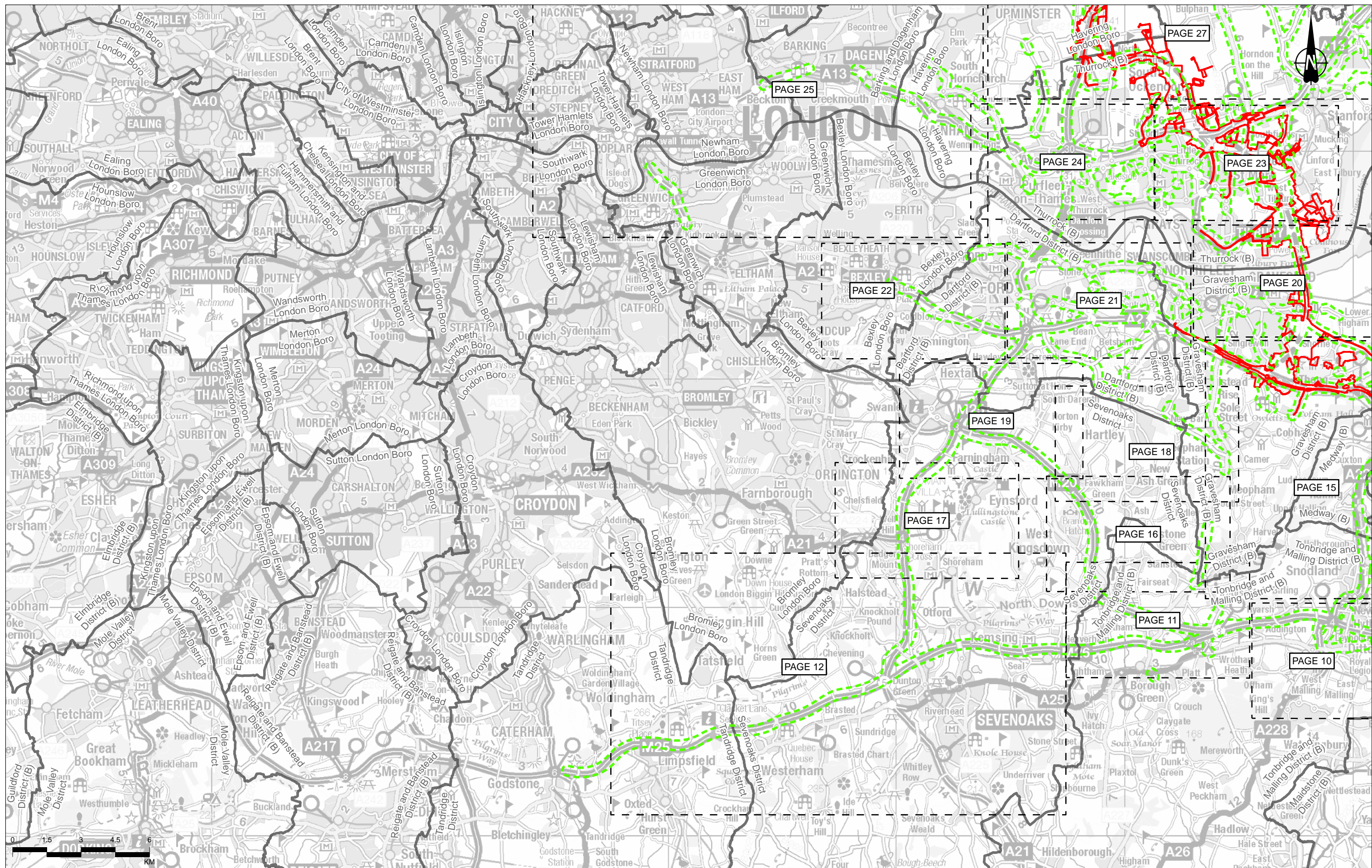
- Route Alignment
- ▭ Order Limits
- ▭ District/Borough Boundary
- - - Study Area



Client
 national highways

Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:150,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008				
Page 1 of 33					



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S2	10/10/2022	DCO Application	CD	MS	PM

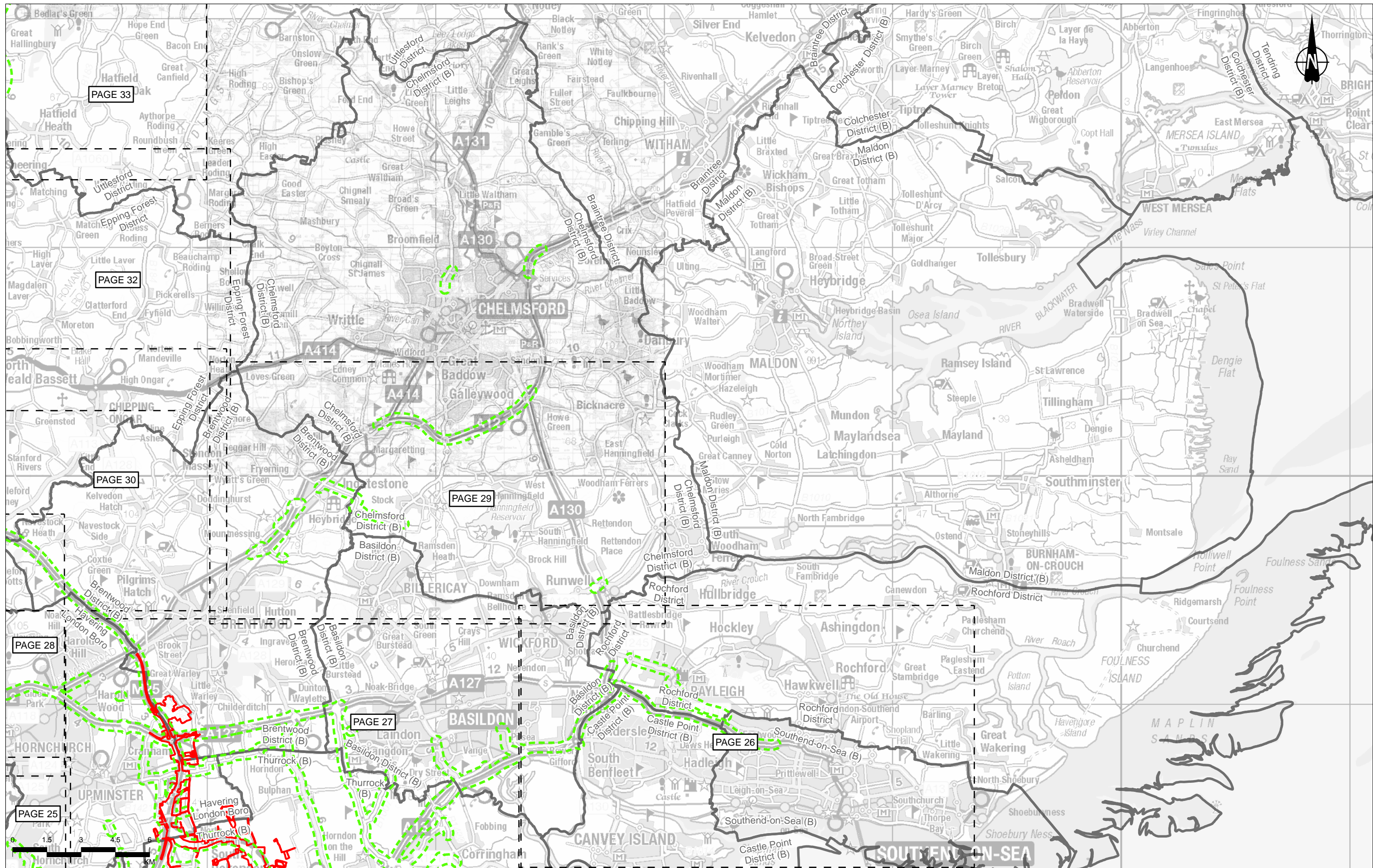
Legend

- Route Alignment
- ▭ Order Limits
- ▭ District/Borough Boundary
- ▭ Study Area



Client
 national highways
 Project
LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:150,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data Page 2 of 33				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S2	10/10/2022	DCO Application	CD	MS	PM

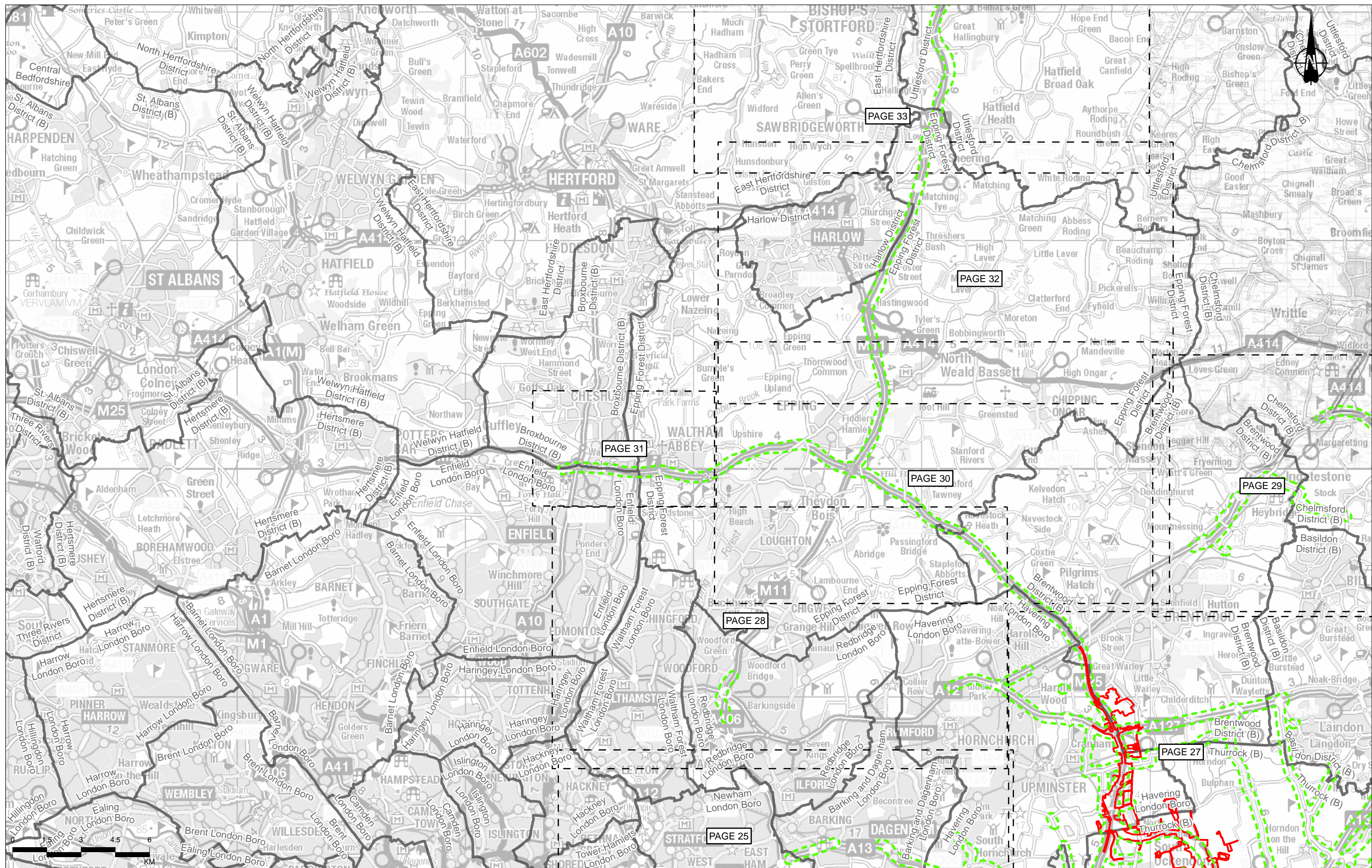
Legend	
	Route Alignment
	Order Limits
	District/Borough Boundary
	Study Area



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:150,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data Page 3 of 33				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008				



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P02	S2	10/10/2022	DCO Application	CD	MS	PM

Legend

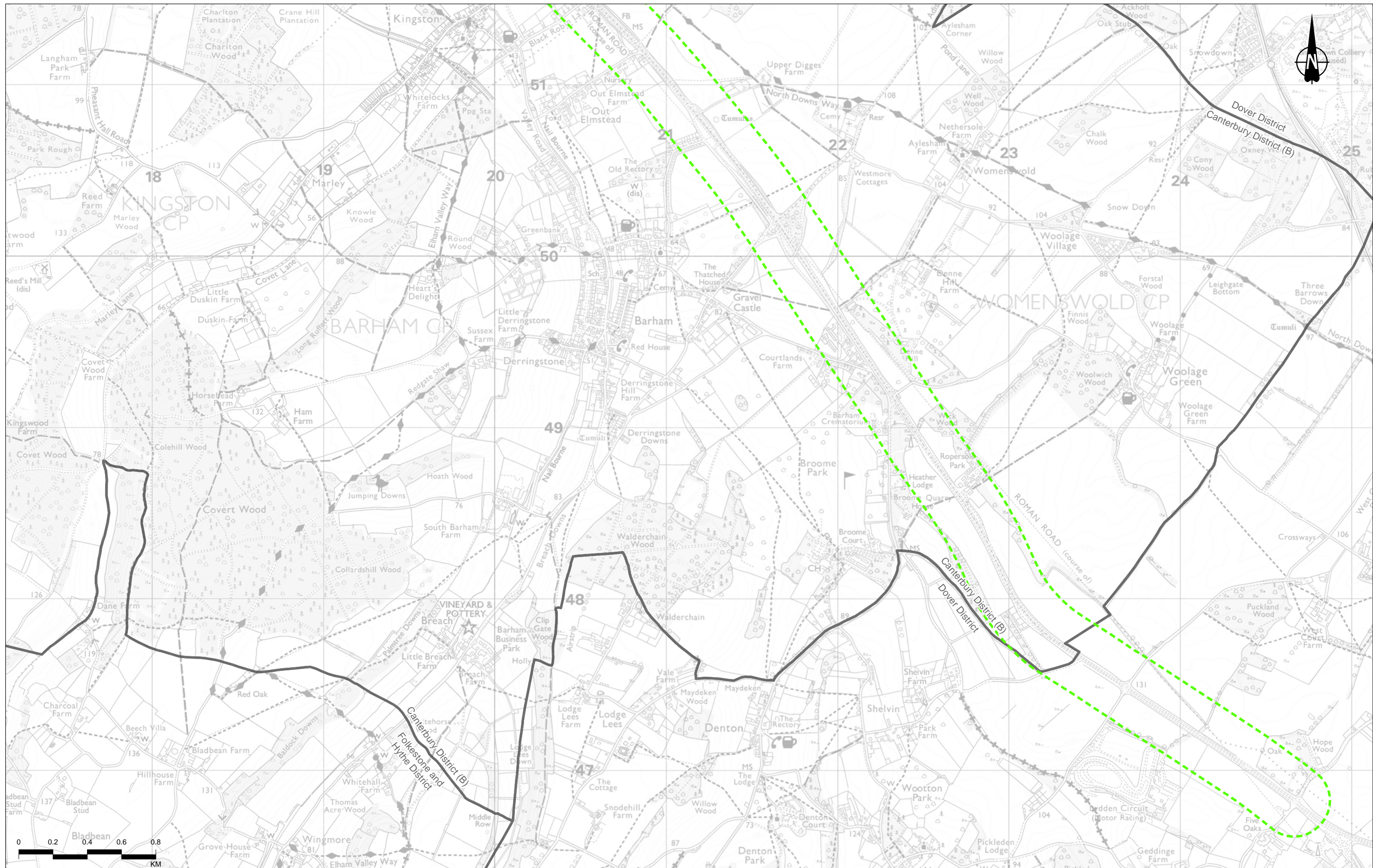
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- ▭ District/Borough Boundary
- ▭ Study Area



Client: national highways

Project: LOWER THAMES CROSSING

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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008				
Page 4 of 33					

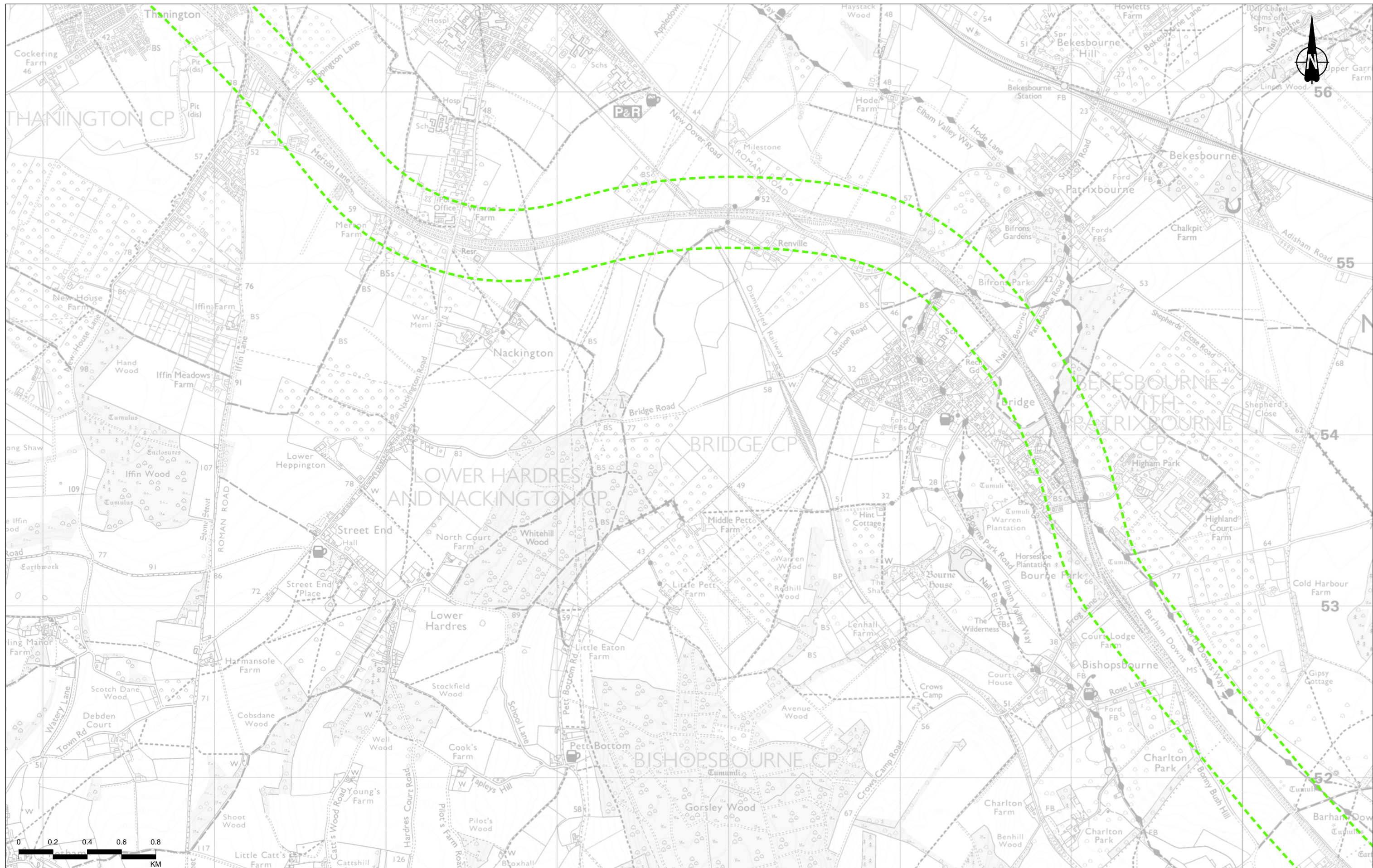


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Legend Route Alignment Order Limits District Borough Boundary Study Area Local Authority NO ₂ Diffusion Tube Monitoring Local Authority Automatic NO ₂ Monitoring Local Authority Automatic PM _{2.5} Monitoring Local Authority Automatic PM ₁₀ Monitoring	36 - 40 ug/m ³ <36 ug/m ³	<36 ug/m ³ Connect Plus NO ₂ Diffusion Tube Monitoring >40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³	National Highways NO ₂ Diffusion Tube Monitoring >40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³	Local Authority Automatic PM _{2.5} Monitoring <22.5 ug/m ³ Local Authority Automatic PM ₁₀ Monitoring <36 ug/m ³	LTC NO ₂ Diffusion Tube Monitoring >40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³
	>40 ug/m ³ 36 - 40 ug/m ³	>40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³	>40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³	>40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³	>40 ug/m ³ 36 - 40 ug/m ³ <36 ug/m ³

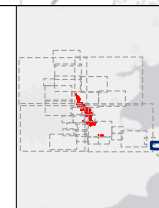
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	Client	DCO Application	Original Size	Revision
	Project	LOWER THAMES CROSSING	A3	P02
Application Document Number TR010032/APP/6.2		Scale 1:20,000		
Drawing Title Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data		Page 5 of 33		
Drawing Number HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008				



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	14/10/2022	DCO Application	CD	MS	PM

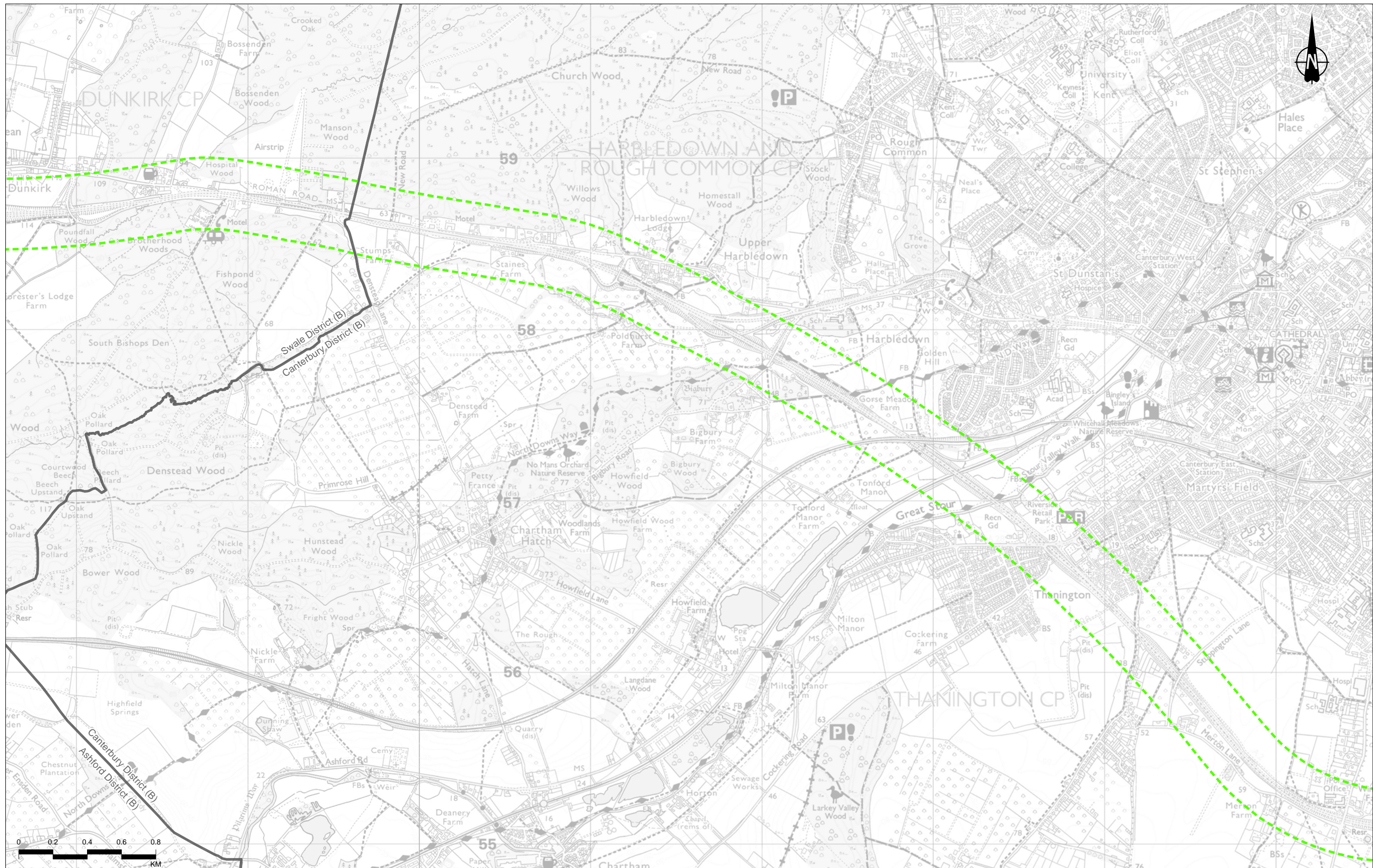
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	Route Alignment		36 - 40 ug/m ³		<36 ug/m ³		>40 ug/m ³		<22.5 ug/m ³		>40 ug/m ³
	Order Limits		>40 ug/m ³		>40 ug/m ³		36 - 40 ug/m ³		>40 ug/m ³		36 - 40 ug/m ³
	District Borough Boundary		36 - 40 ug/m ³		<36 ug/m ³		<36 ug/m ³		<36 ug/m ³		<36 ug/m ³
	Study Area		>40 ug/m ³		>40 ug/m ³		>40 ug/m ³		<36 ug/m ³		>40 ug/m ³
	Local Authority NO ₂ Diffusion Tube Monitoring		36 - 40 ug/m ³		<36 ug/m ³		<36 ug/m ³		<36 ug/m ³		<36 ug/m ³
	Local Authority NO ₂ Diffusion Tube Monitoring		>40 ug/m ³						<36 ug/m ³		



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:20,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data				
	Page 6 of 33				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	14/10/2022	DCO Application	CD	MS	PM

Legend

- Route Alignment
- Order Limits
- District Borough Boundary
- Study Area
- Local Authority NO₂ Diffusion Tube Monitoring
- >40 ug/m³

Local Authority Automatic NO₂ Monitoring

- >40 ug/m³
- 36 - 40 ug/m³
- <36 ug/m³

Connect Plus NO₂ Diffusion Tube Monitoring

- >40 ug/m³
- 36 - 40 ug/m³
- <36 ug/m³

National Highways NO₂ Diffusion Tube Monitoring

- >40 ug/m³
- 36 - 40 ug/m³
- <36 ug/m³

Local Authority Automatic PM_{2.5} Monitoring

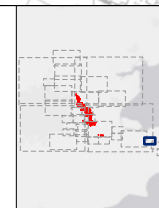
- <22.5 ug/m³

Local Authority Automatic PM₁₀ Monitoring

- <36 ug/m³

LTC NO₂ Diffusion Tube Monitoring

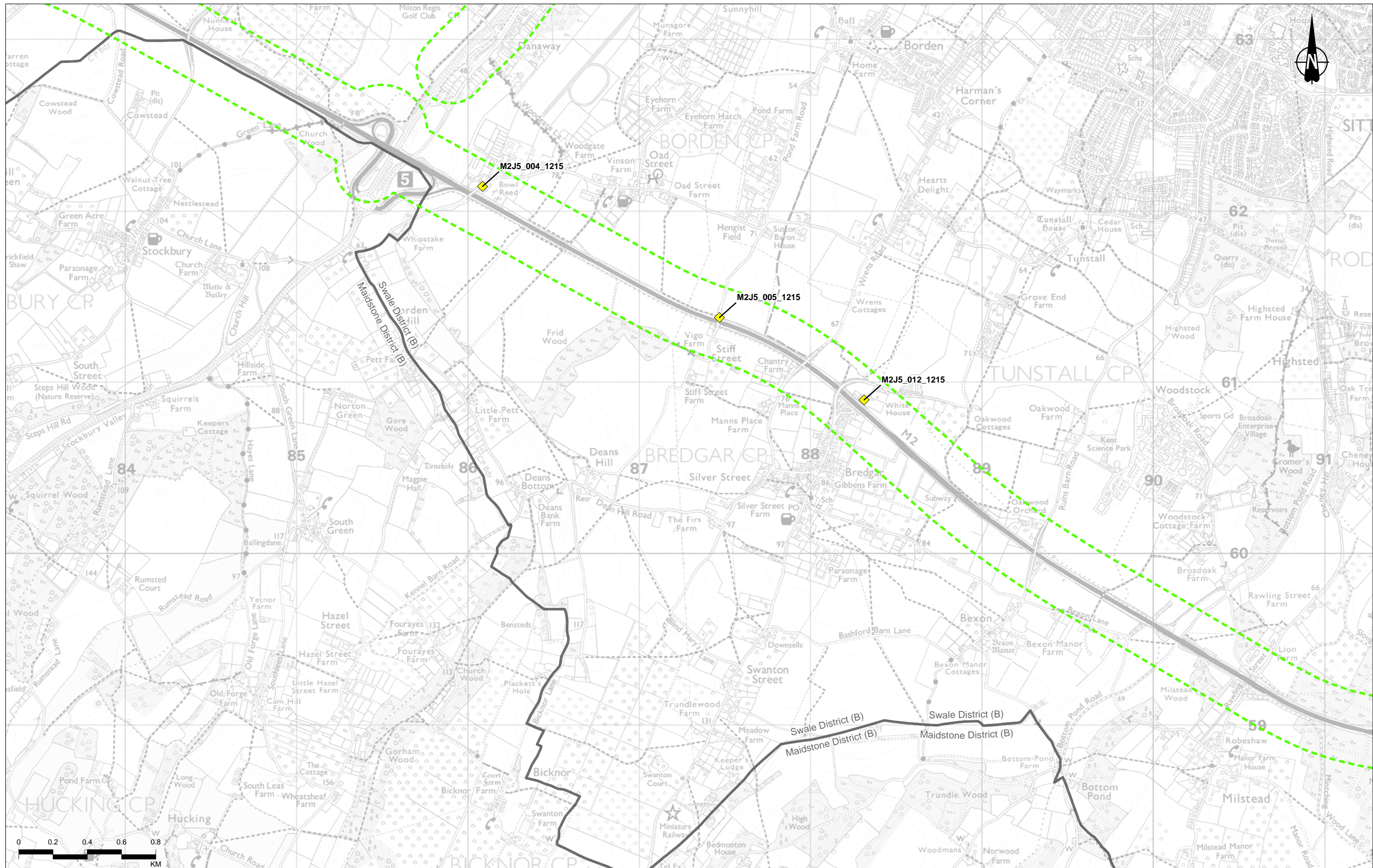
- >40 ug/m³
- 36 - 40 ug/m³
- <36 ug/m³



Client: **national highways**

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Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:20,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008				
Page 7 of 33					



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S8	14/10/2022	DCO Application	CD	MS	PM

Legend	Local Authority Automatic NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring	Local Authority Automatic PM ₁₀ Monitoring
Route Alignment	36 - 40 ug/m ³	36 - 40 ug/m ³	36 - 40 ug/m ³
Order Limits	<36 ug/m ³	>40 ug/m ³	>40 ug/m ³
District Borough Boundary	>40 ug/m ³	<36 ug/m ³	<36 ug/m ³
Study Area	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³
Local Authority NO ₂ Diffusion Tube Monitoring	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³
	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³
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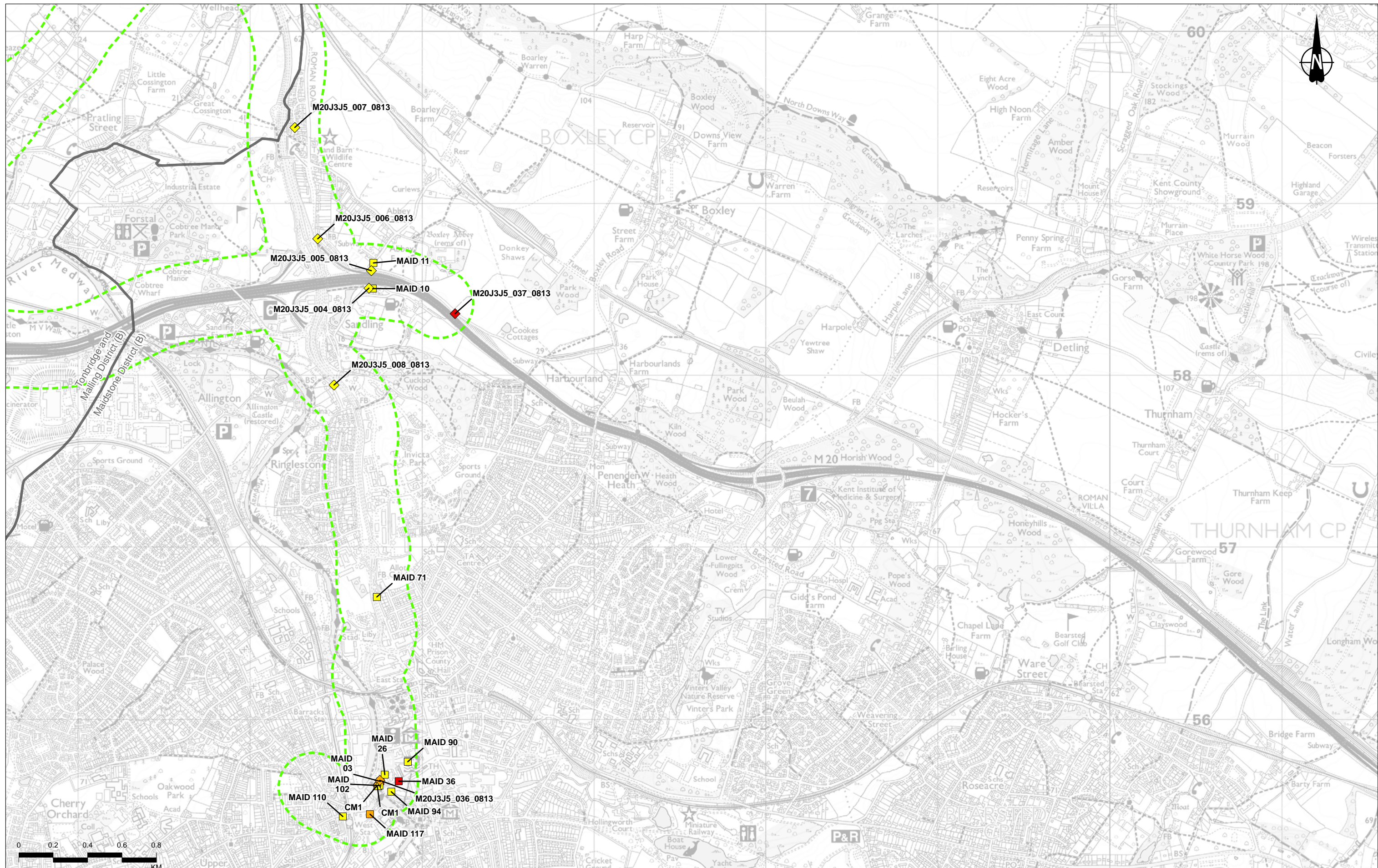
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Project: LOWER THAMES CROSSING

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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008		

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Page 8 of 33

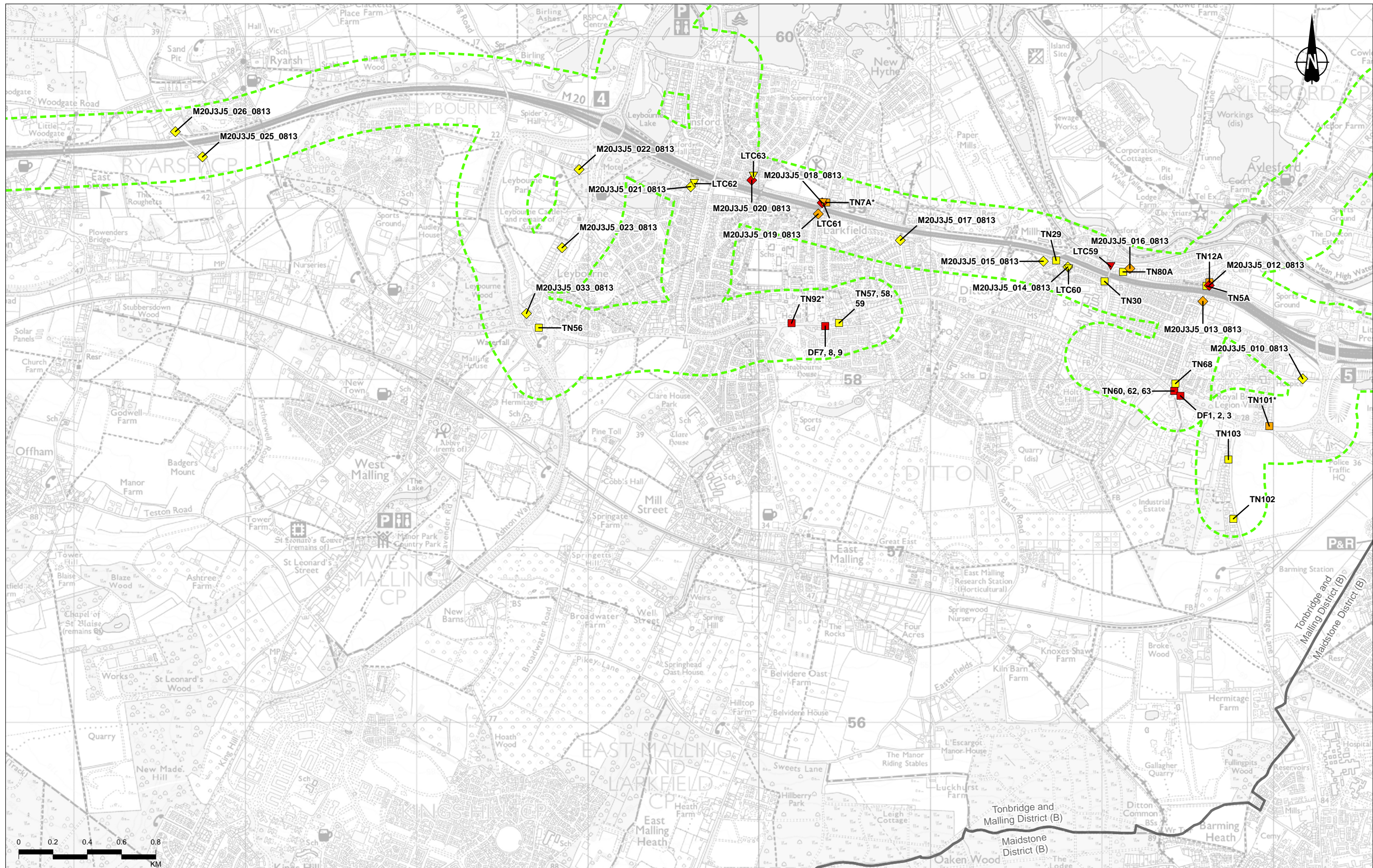


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Legend		Local Authority Automatic NO ₂ Monitoring		National Highways NO ₂ Diffusion Tube Monitoring		Local Authority Automatic PM _{2.5} Monitoring		Local Authority Automatic PM ₁₀ Monitoring		LTC NO ₂ Diffusion Tube Monitoring	
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	Order Limits		<36 ug/m ³		>40 ug/m ³		36 - 40 ug/m ³		<22.5 ug/m ³		36 - 40 ug/m ³
	District Borough Boundary		>40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<22.5 ug/m ³		<36 ug/m ³
	Study Area		36 - 40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<22.5 ug/m ³		<36 ug/m ³
	Local Authority NO ₂ Diffusion Tube Monitoring		>40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<22.5 ug/m ³		<36 ug/m ³
	Local Authority NO ₂ Diffusion Tube Monitoring		36 - 40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<22.5 ug/m ³		<36 ug/m ³
	Local Authority NO ₂ Diffusion Tube Monitoring		>40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<22.5 ug/m ³		<36 ug/m ³

P02	S8	14/10/2022	DCO Application	CD	MS	PM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

	Client	DCO Application	Original Size	Revision
	Application Document Number	TR010032/APP/6.2	A3	P02
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	Page 9 of 33	Drawing Number		
HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008				



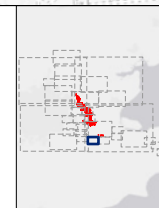
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P02	S8	14/10/2022	DCO Application	CD	MS	PM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend

- Route Alignment
- Order Limits
- District Borough Boundary
- Study Area
- Local Authority NO₂ Diffusion Tube Monitoring
- Local Authority Automatic NO₂ Monitoring
- Local Authority Automatic PM_{2.5} Monitoring
- Local Authority Automatic PM₁₀ Monitoring
- Connect Plus NO₂ Diffusion Tube Monitoring
- National Highways NO₂ Diffusion Tube Monitoring
- Local Authority Automatic PM_{2.5} Monitoring
- Local Authority Automatic PM₁₀ Monitoring
- LTC NO₂ Diffusion Tube Monitoring

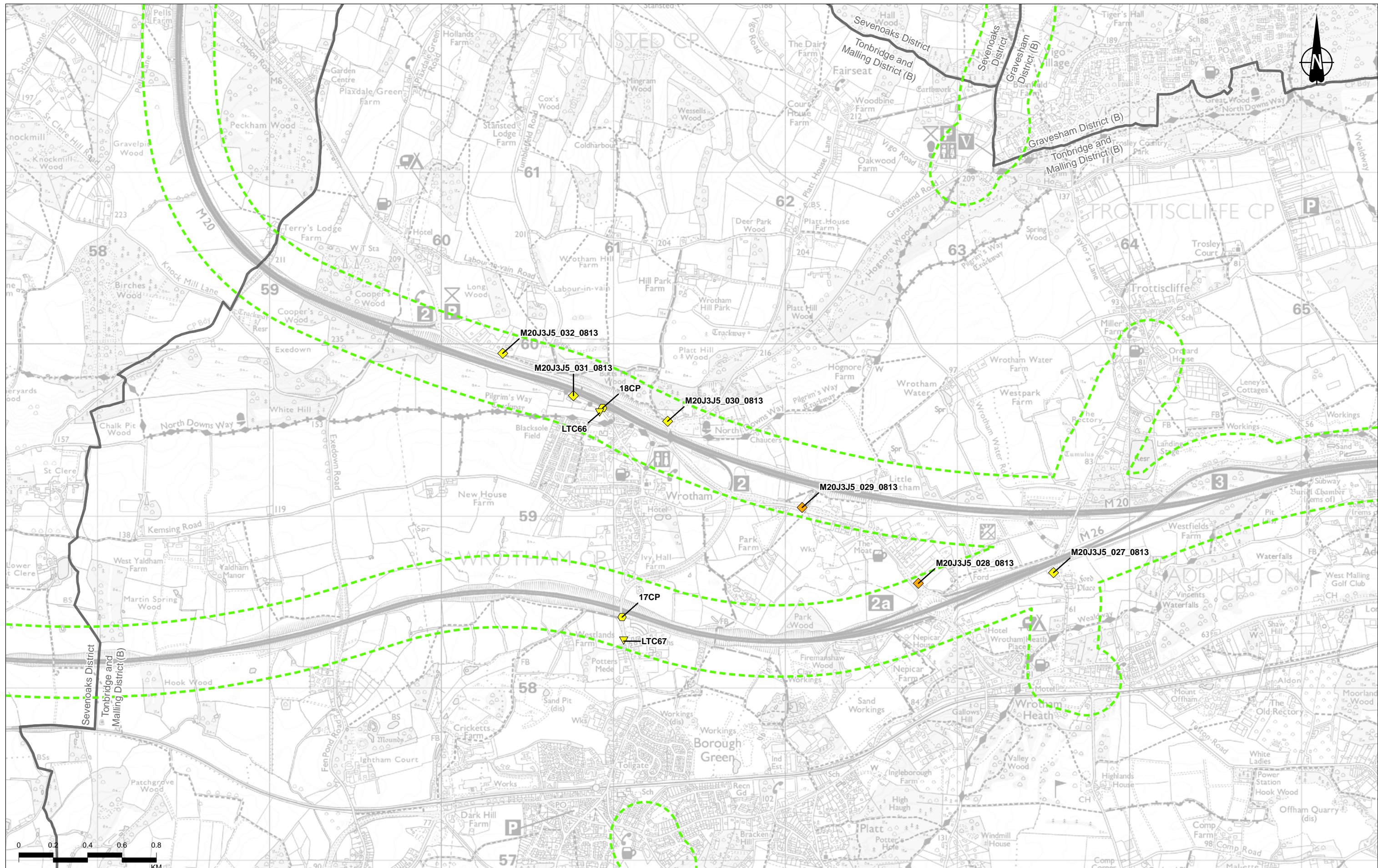
■ 36 - 40 ug/m³
■ >40 ug/m³
● <36 ug/m³
● >40 ug/m³
● 36 - 40 ug/m³
● <36 ug/m³
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◆ 36 - 40 ug/m³
◆ <36 ug/m³
★ <22.5 ug/m³
▲ <36 ug/m³
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▼ 36 - 40 ug/m³
▼ <36 ug/m³



Client: **national highways**

Project: **LOWER THAMES CROSSING**

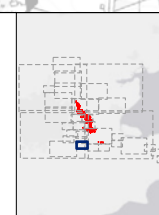
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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008				
Page 10 of 33					



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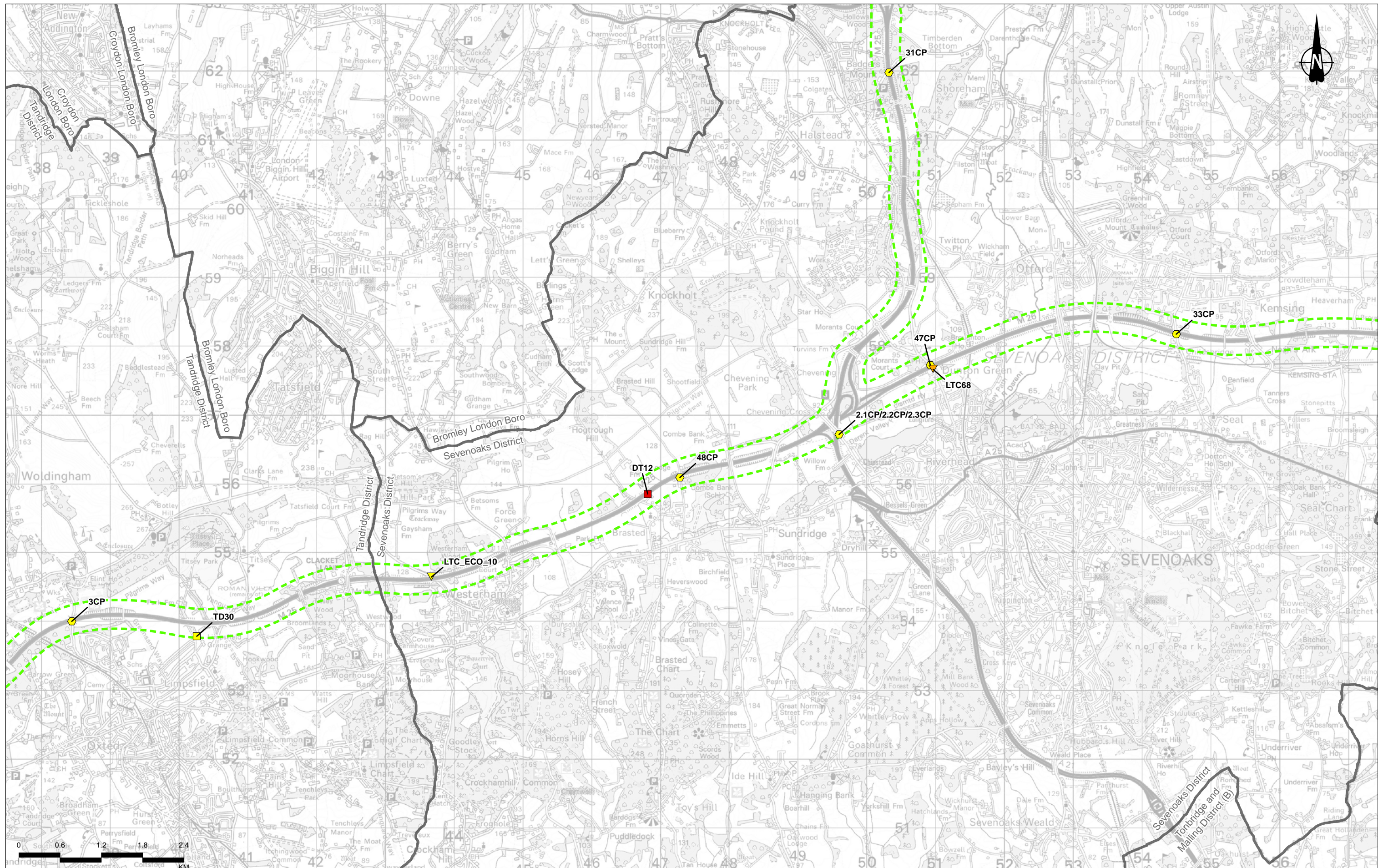
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	Route Alignment		36 - 40 ug/m ³		<36 ug/m ³		>40 ug/m ³		<22.5 ug/m ³		>40 ug/m ³
	Order Limits		<36 ug/m ³		>40 ug/m ³		36 - 40 ug/m ³		<36 ug/m ³		36 - 40 ug/m ³
	District Borough Boundary		>40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<36 ug/m ³		<36 ug/m ³
	Study Area		36 - 40 ug/m ³		<36 ug/m ³		<22.5 ug/m ³		<36 ug/m ³		<36 ug/m ³
	Local Authority NO ₂ Diffusion Tube Monitoring		>40 ug/m ³								



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Project: LOWER THAMES CROSSING

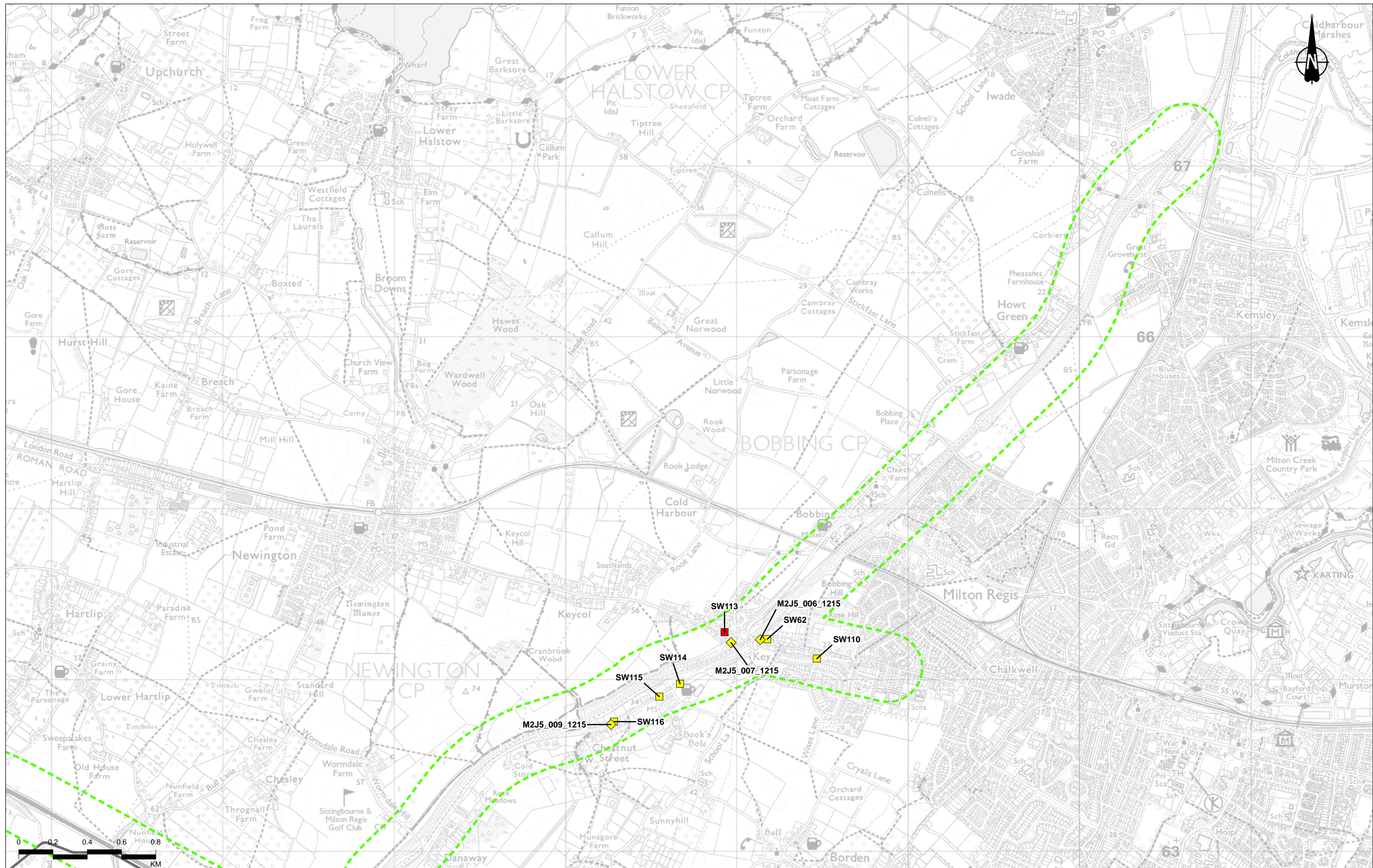
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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008				
Page 11 of 33					



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Legend	Local Authority Automatic NO ₂ Diffusion Tube Monitoring	Connect Plus NO ₂ Diffusion Tube Monitoring	National Highways NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring	Local Authority Automatic PM ₁₀ Monitoring	LTC NO ₂ Diffusion Tube Monitoring
<ul style="list-style-type: none"> Route Alignment Order Limits District Borough Boundary Study Area Local Authority NO₂ Diffusion Tube Monitoring 	<ul style="list-style-type: none"> <math>< 36 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>> 40 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>> 40 \text{ ug/m}^3</math> 	<ul style="list-style-type: none"> <math>< 36 \text{ ug/m}^3</math> <math>> 40 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>> 40 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>> 40 \text{ ug/m}^3</math> 	<ul style="list-style-type: none"> <math>> 40 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>< 36 \text{ ug/m}^3</math> 	<ul style="list-style-type: none"> <math>< 22.5 \text{ ug/m}^3</math> <math>< 36 \text{ ug/m}^3</math> 	<ul style="list-style-type: none"> <math>> 40 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>< 36 \text{ ug/m}^3</math> 	<ul style="list-style-type: none"> <math>> 40 \text{ ug/m}^3</math> <math>36 - 40 \text{ ug/m}^3</math> <math>< 36 \text{ ug/m}^3</math>

	Client	DCO Application	Original Size	A3	Revision	P02
	Project	LOWER THAMES CROSSING	Application Document Number	TR010032/APP/6.2	Scale	1:50,000
Drawing Title Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data		Page 12 of 33				
Drawing Number HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50008						



Route Alignment	36 - 40 ug/m ³	● <36 ug/m ³
Order Limits	<36 ug/m ³	● >40 ug/m ³
District Borough Boundary	Local Authority Automatic NO ₂ Monitoring	● >40 ug/m ³
Study Area	● >40 ug/m ³	● 36 - 40 ug/m ³
Local Authority NO ₂ Diffusion Tube Monitoring	● 36 - 40 ug/m ³	● <36 ug/m ³
	● >40 ug/m ³	

National Highways NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring
◆ >40 ug/m ³	★ <22.5 ug/m ³
◆ 36 - 40 ug/m ³	★ <36 ug/m ³
◆ <36 ug/m ³	▲ <36 ug/m ³

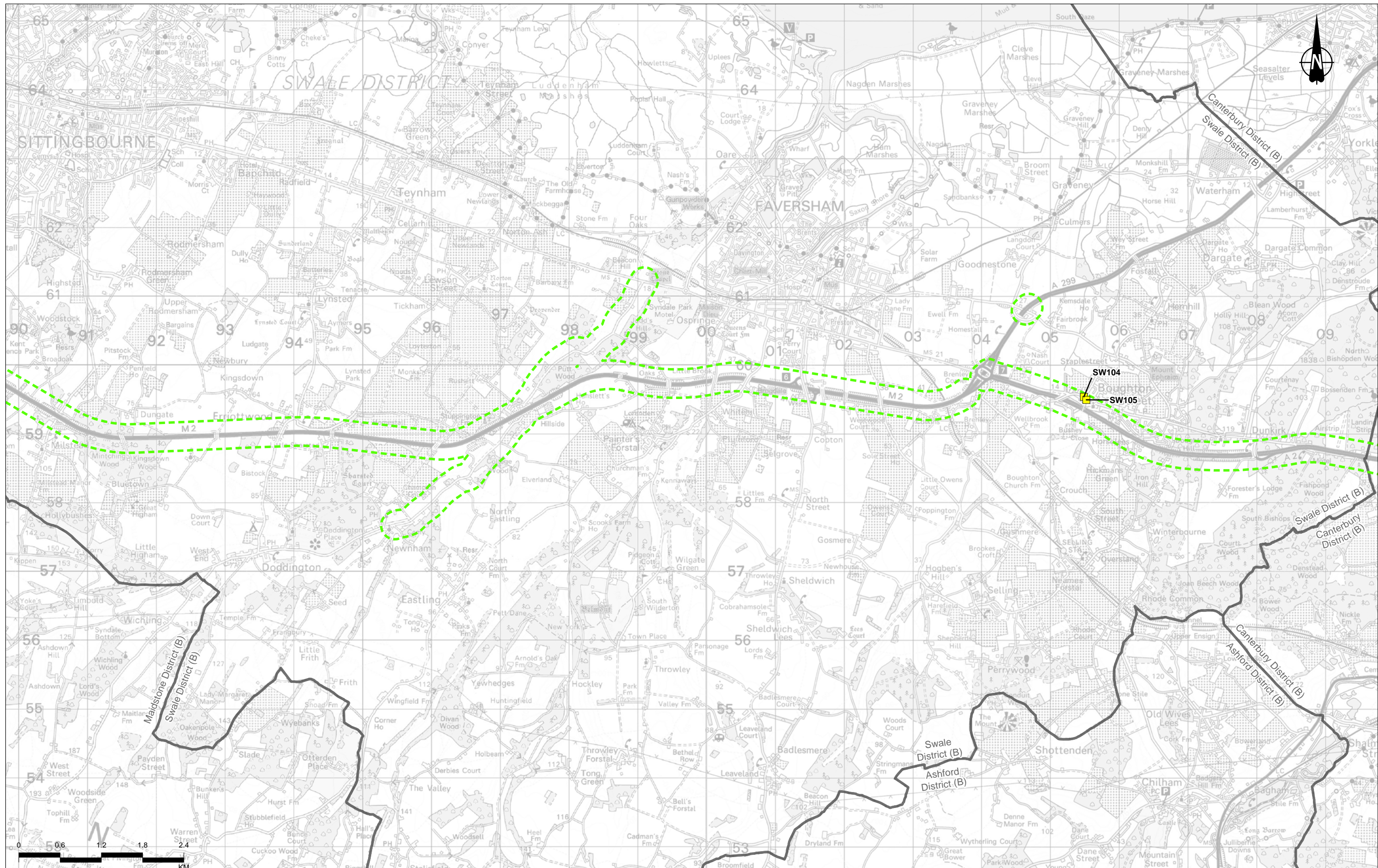
LTC NO ₂ Diffusion Tube Monitoring
▼ >40 ug/m ³
▼ 36 - 40 ug/m ³
▼ <36 ug/m ³

P02	S8	14/10/2022	DCO Application	CD	MS	PM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv

national highways

LOWER THAMES CROSSING

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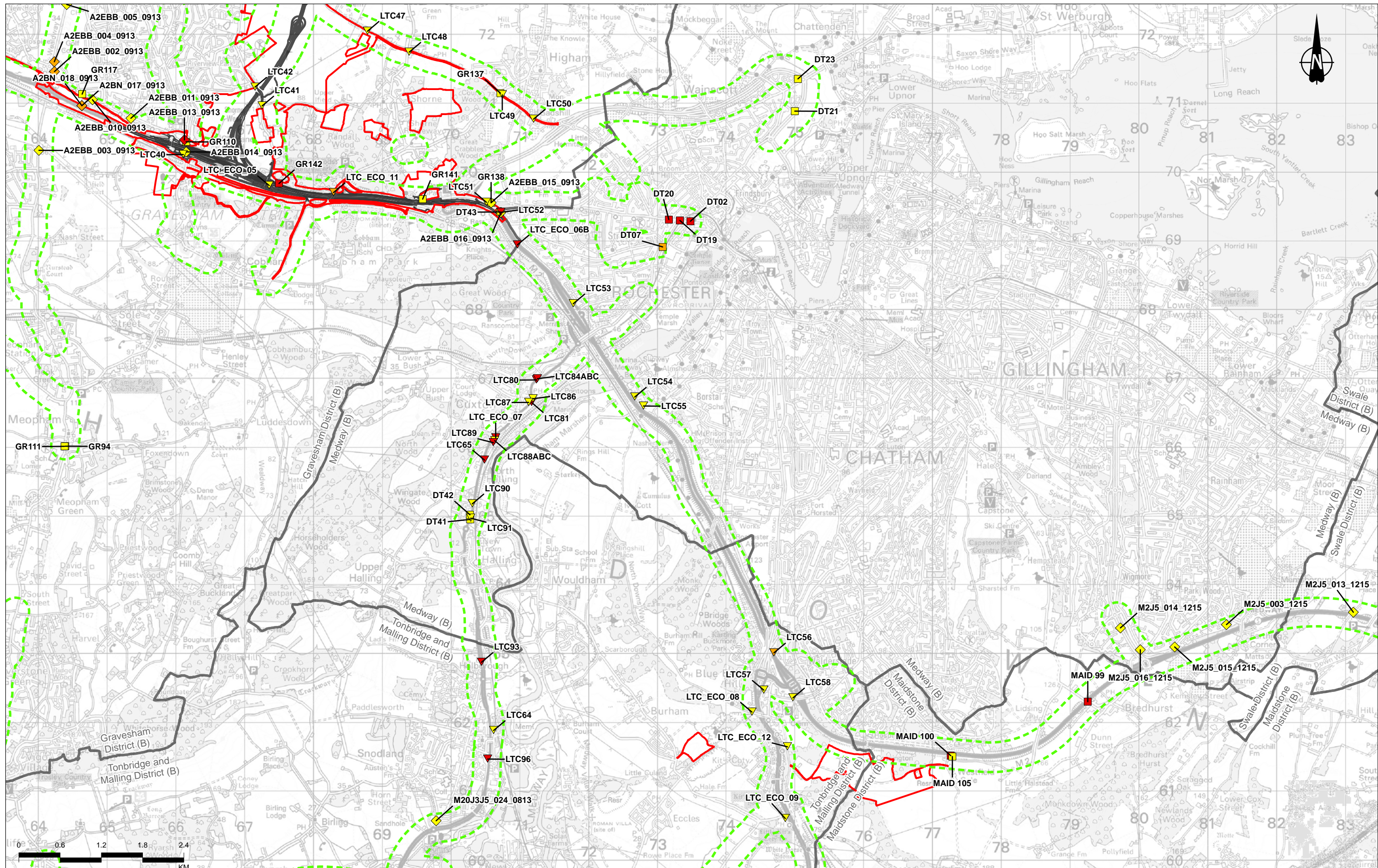
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Route Alignment	Orange square: 36 - 40 $\mu\text{g}/\text{m}^3$	Yellow star: <math>< 22.5 \mu\text{g}/\text{m}^3</math>	Yellow triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>	Red diamond: >math>> 40 \mu\text{g}/\text{m}^3</math>	Red inverted triangle: >math>> 40 \mu\text{g}/\text{m}^3</math>
Order Limits	Yellow square: <math>< 36 \mu\text{g}/\text{m}^3</math>	Yellow star: <math>< 22.5 \mu\text{g}/\text{m}^3</math>	Yellow triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>	Orange diamond: 36 - 40 $\mu\text{g}/\text{m}^3$	Orange inverted triangle: 36 - 40 $\mu\text{g}/\text{m}^3$
District Borough Boundary	Red circle: >math>> 40 \mu\text{g}/\text{m}^3</math>	Yellow star: <math>< 22.5 \mu\text{g}/\text{m}^3</math>	Yellow triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>	Yellow diamond: <math>< 36 \mu\text{g}/\text{m}^3</math>	Yellow inverted triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>
Study Area	Orange circle: 36 - 40 $\mu\text{g}/\text{m}^3$	Yellow star: <math>< 22.5 \mu\text{g}/\text{m}^3</math>	Yellow triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>	Red diamond: >math>> 40 \mu\text{g}/\text{m}^3</math>	Red inverted triangle: >math>> 40 \mu\text{g}/\text{m}^3</math>
Local Authority NO ₂ Diffusion Tube Monitoring	Red circle: >math>> 40 \mu\text{g}/\text{m}^3</math>	Yellow star: <math>< 22.5 \mu\text{g}/\text{m}^3</math>	Yellow triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>	Orange diamond: 36 - 40 $\mu\text{g}/\text{m}^3$	Orange inverted triangle: 36 - 40 $\mu\text{g}/\text{m}^3$
	Orange circle: 36 - 40 $\mu\text{g}/\text{m}^3$	Yellow star: <math>< 22.5 \mu\text{g}/\text{m}^3</math>	Yellow triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>	Yellow diamond: <math>< 36 \mu\text{g}/\text{m}^3</math>	Yellow inverted triangle: <math>< 36 \mu\text{g}/\text{m}^3</math>
	Red square: >math>> 40 \mu\text{g}/\text{m}^3</math>				



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A3	P02
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data		
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008		
Scale	1:50,000		
Page	Page 14 of 33		



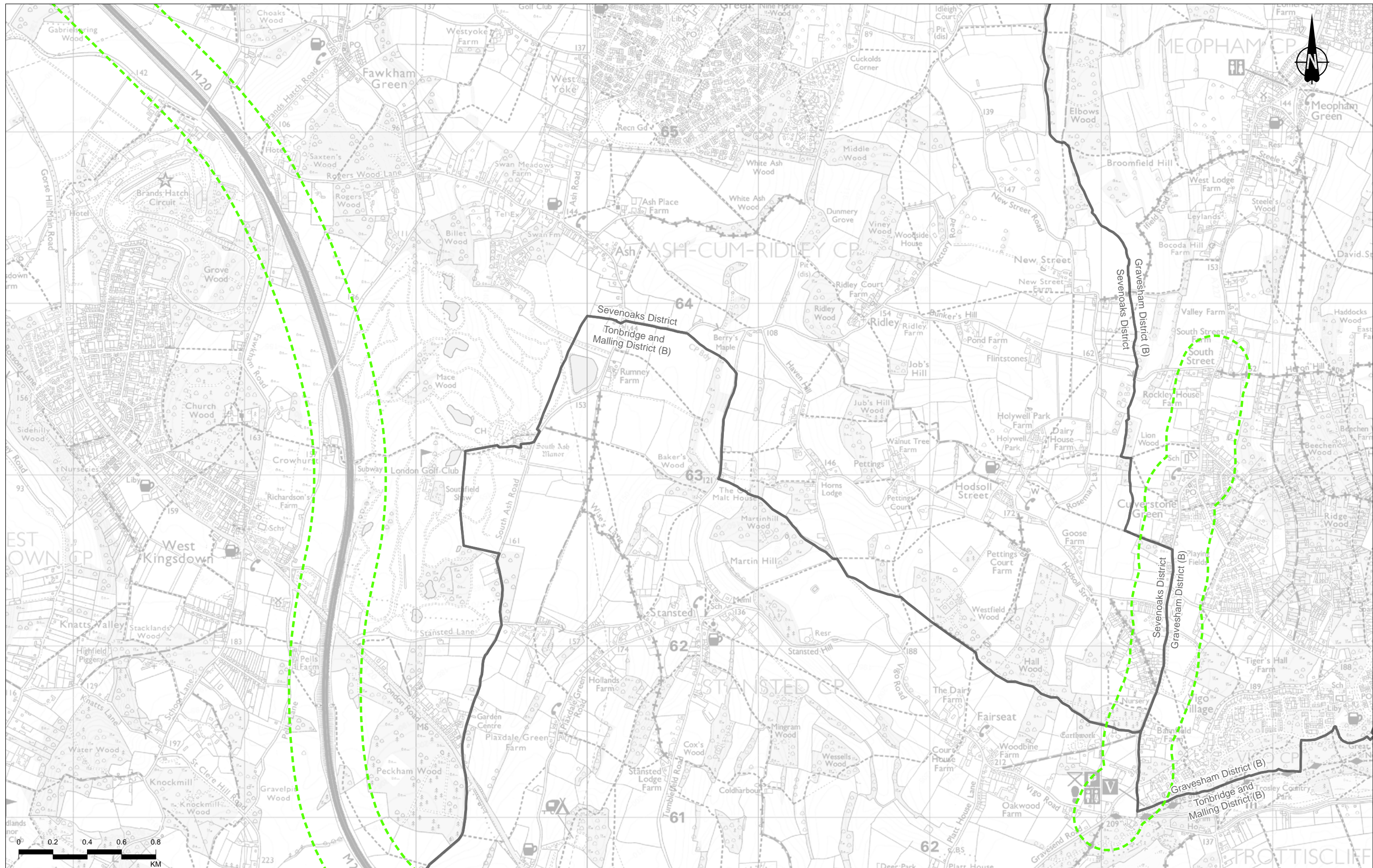
Route Alignment	36 - 40 ug/m ³	Connect Plus NO ₂ Diffusion Tube Monitoring	National Highways NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring	LTC NO ₂ Diffusion Tube Monitoring
Order Limits	<36 ug/m ³	Local Authority Automatic NO ₂ Monitoring	>40 ug/m ³	<22.5 ug/m ³	>40 ug/m ³
District Borough Boundary	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	<36 ug/m ³	>40 ug/m ³
Study Area	36 - 40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³
Local Authority NO ₂ Diffusion Tube Monitoring	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³
	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³

Local Authority Automatic NO ₂ Monitoring	National Highways NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring	Local Authority Automatic PM ₁₀ Monitoring	LTC NO ₂ Diffusion Tube Monitoring
>40 ug/m ³	>40 ug/m ³	<22.5 ug/m ³	<36 ug/m ³	>40 ug/m ³
36 - 40 ug/m ³	>40 ug/m ³	<36 ug/m ³	<36 ug/m ³	>40 ug/m ³
36 - 40 ug/m ³	>40 ug/m ³	<36 ug/m ³	<36 ug/m ³	>40 ug/m ³
>40 ug/m ³	>40 ug/m ³	<36 ug/m ³	<36 ug/m ³	>40 ug/m ³

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Application Document Number	TR010032/APP/6.2	Scale	1:50,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data				
	Page 15 of 33				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50008				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S8	14/10/2022	DCO Application	CD	MS	PM

Legend	Local Authority Automatic NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring	Local Authority Automatic PM ₁₀ Monitoring	National Highways NO ₂ Diffusion Tube Monitoring	Local Authority Automatic PM _{2.5} Monitoring	LTC NO ₂ Diffusion Tube Monitoring
Route Alignment	36 - 40 ug/m ³	36 - 40 ug/m ³	36 - 40 ug/m ³	<36 ug/m ³	<22.5 ug/m ³	>40 ug/m ³
Order Limits	<36 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>22.5 ug/m ³	>40 ug/m ³
District Borough Boundary	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	<36 ug/m ³	>40 ug/m ³
Study Area	36 - 40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	<36 ug/m ³	>40 ug/m ³
Local Authority NO ₂ Diffusion Tube Monitoring	36 - 40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	<36 ug/m ³	>40 ug/m ³
	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	>40 ug/m ³	<36 ug/m ³	>40 ug/m ³

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Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:20,000		
Drawing Title	Figure 5.4 - Air Quality Monitoring Sites and 2016 Annual Mean Data				
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