

# Lower Thames Crossing

## 6.2 Environmental Statement Figures

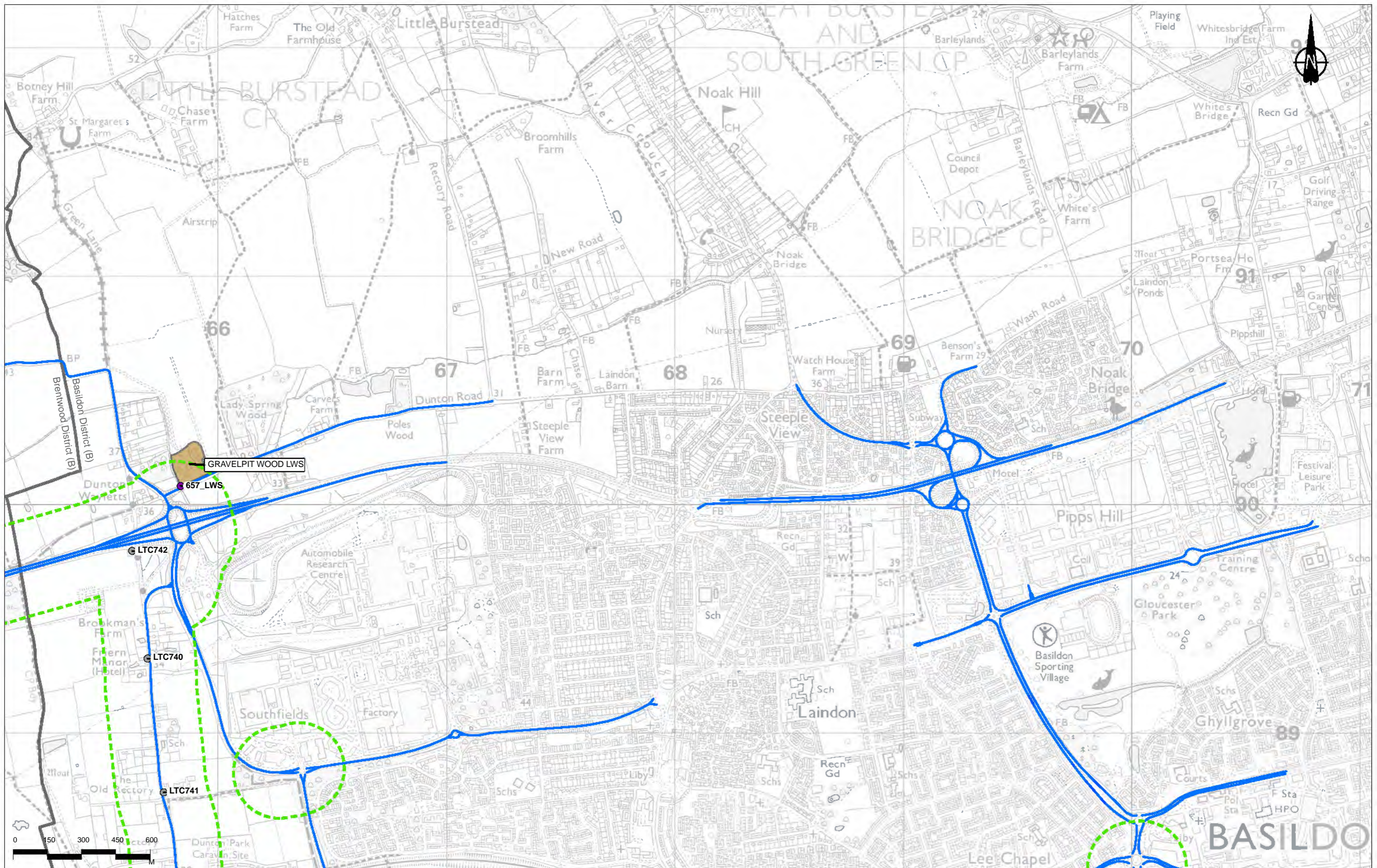
### Figure 5.6 - Operational Phase Receptors and Results (4 of 4)

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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P02	S2	19/10/2022	DCO Application	CD	MS	PM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv

	Route Alignment
	Order Limits
	District Borough Boundary
	Study Area
	Operational Modelled Road
	Air Quality Management Area (AQMA)
	Ancient Woodland (AW)
	Local Nature Reserve (LNR)
	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
	National Nature Reserve (NNR)

	Ramsar Site (RAMSAR)
	Special Areas of Conservation (SAC)
	Sites of Special Scientific Interest (SSSI)
	Roadside Nature Reserve (RNR)

	Veteran Tree
	Operational Human Receptors
	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
	Imperceptible change
	Perceptible decrease

	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project

	Short-term AQS Objective Receptor
	Operational Ecological Receptors
	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects

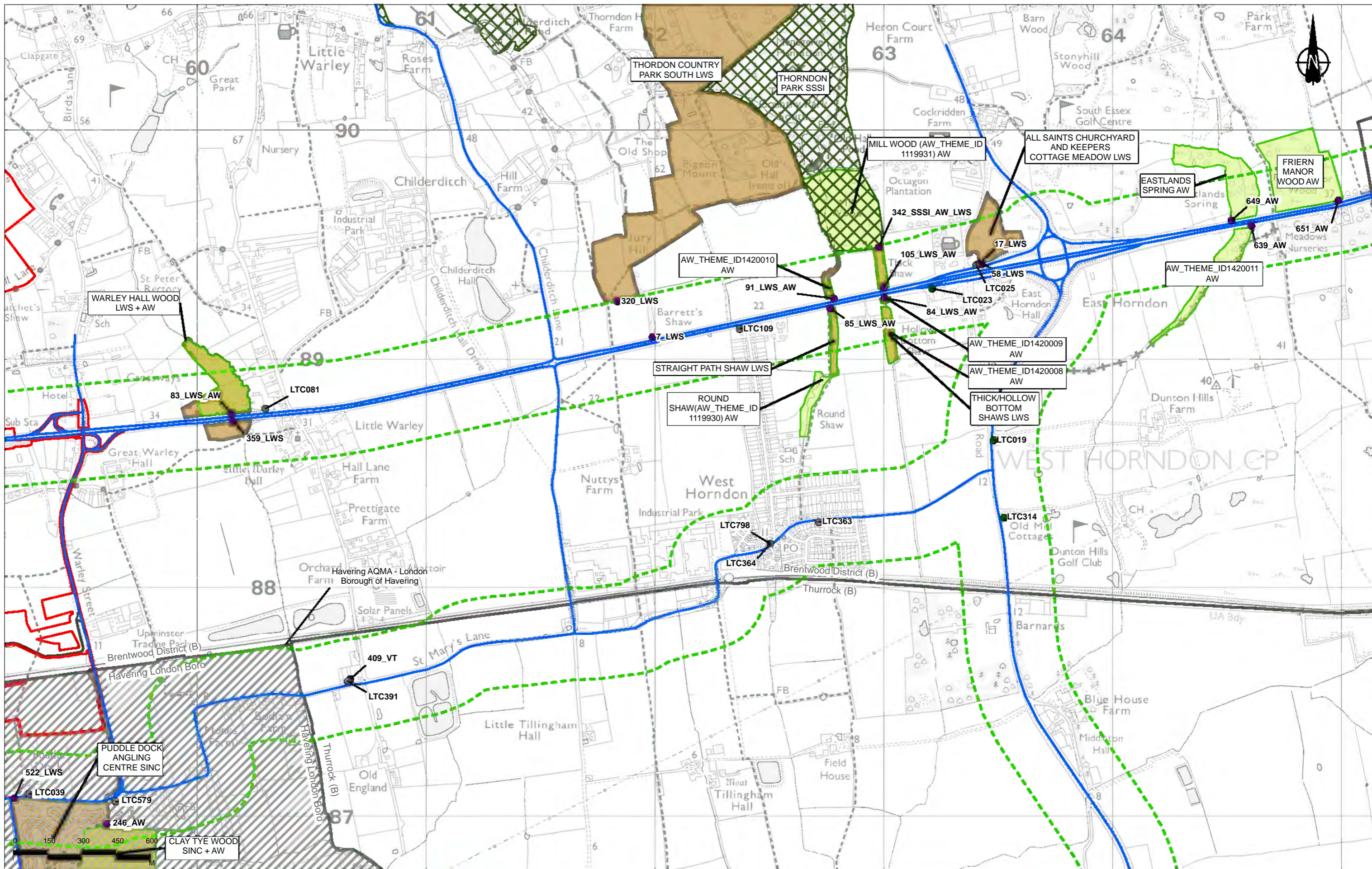
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	Operational Ecological Receptors
	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects



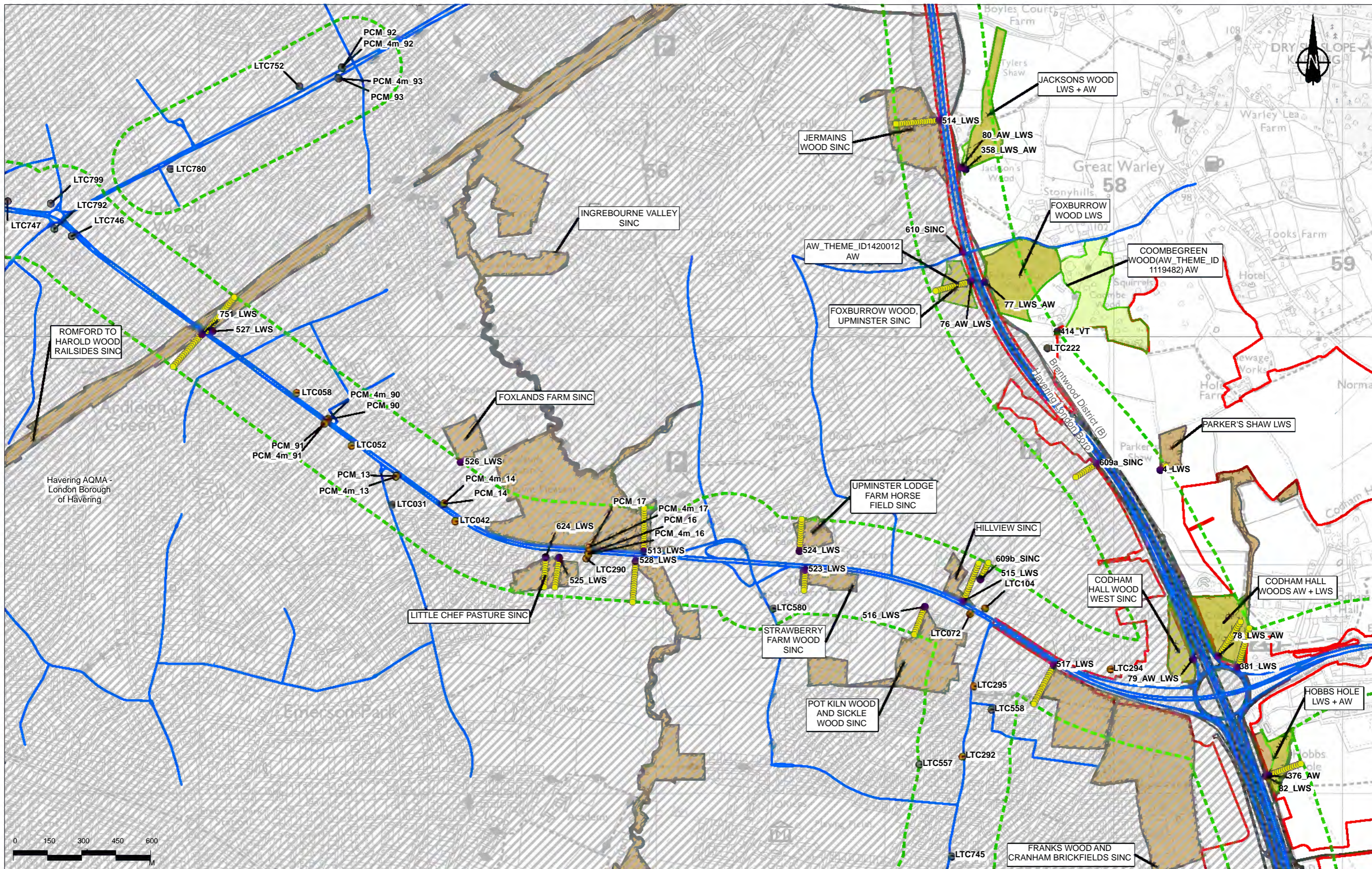
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A3	P02
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results		
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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012		



<b>Legend</b> Route Alignment Order Limits District Borough Boundary Study Area Operational Modelled Road Air Quality Management Area (AQMA)		Ancient Woodland (AW) Local Nature Reserve (LNR) Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) National Nature Reserve (NNR)		Ramsar Site (RAMSAR) Special Areas of Conservation (SAC) Sites of Special Scientific Interest (SSSI) Roadside Nature Reserve (RNR)		Veteran Tree <b>Operational Human Receptors</b> Project Change in Annual Mean NO <sub>2</sub> at Human Receptors Imperceptible change Perceptible decrease		Perceptible decrease > AQS objective Perceptible increase Perceptible increase > AQS objective Receptor Demolished with Project		Short-term AQS Objective Receptor <b>Operational Ecological Receptors</b> Ecological Receptor Epping Forest (SAC Gridded Receptor) Ecological Transects		Client: <b>national highways</b> Project: <b>LOWER THAMES CROSSING</b>		Status: DCO Application Application Document Number: TR010032/APP/6.2 Drawing Title: <b>Figure 5.6 - Operational Phase Receptors and Results</b> Page 65 of 83 Drawing Number: HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012	
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv
P02	S2	19/10/2022	DCO Application	CD	MS	PM

Legend	
	Route Alignment
	Order Limits
	District Borough Boundary
	Study Area
	Operational Modelled Road
	Air Quality Management Area (AQMA)
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	Local Nature Reserve (LNR)
	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
	National Nature Reserve (NNR)
	Ramsar Site (RAMSAR)
	Special Areas of Conservation (SAC)
	Sites of Special Scientific Interest (SSSI)
	Roadside Nature Reserve (RNR)
	Veteran Tree
	Operational Human Receptors
	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
	Imperceptible change
	Perceptible decrease
	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project
	Short-term AQS Objective Receptor
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	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
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Legend	
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Client: national highways

Project: LOWER THAMES CROSSING

Status: DCO Application

Application Document Number: TR010032/APP/6.2

Drawing Title: Figure 5.6 - Operational Phase Receptors and Results

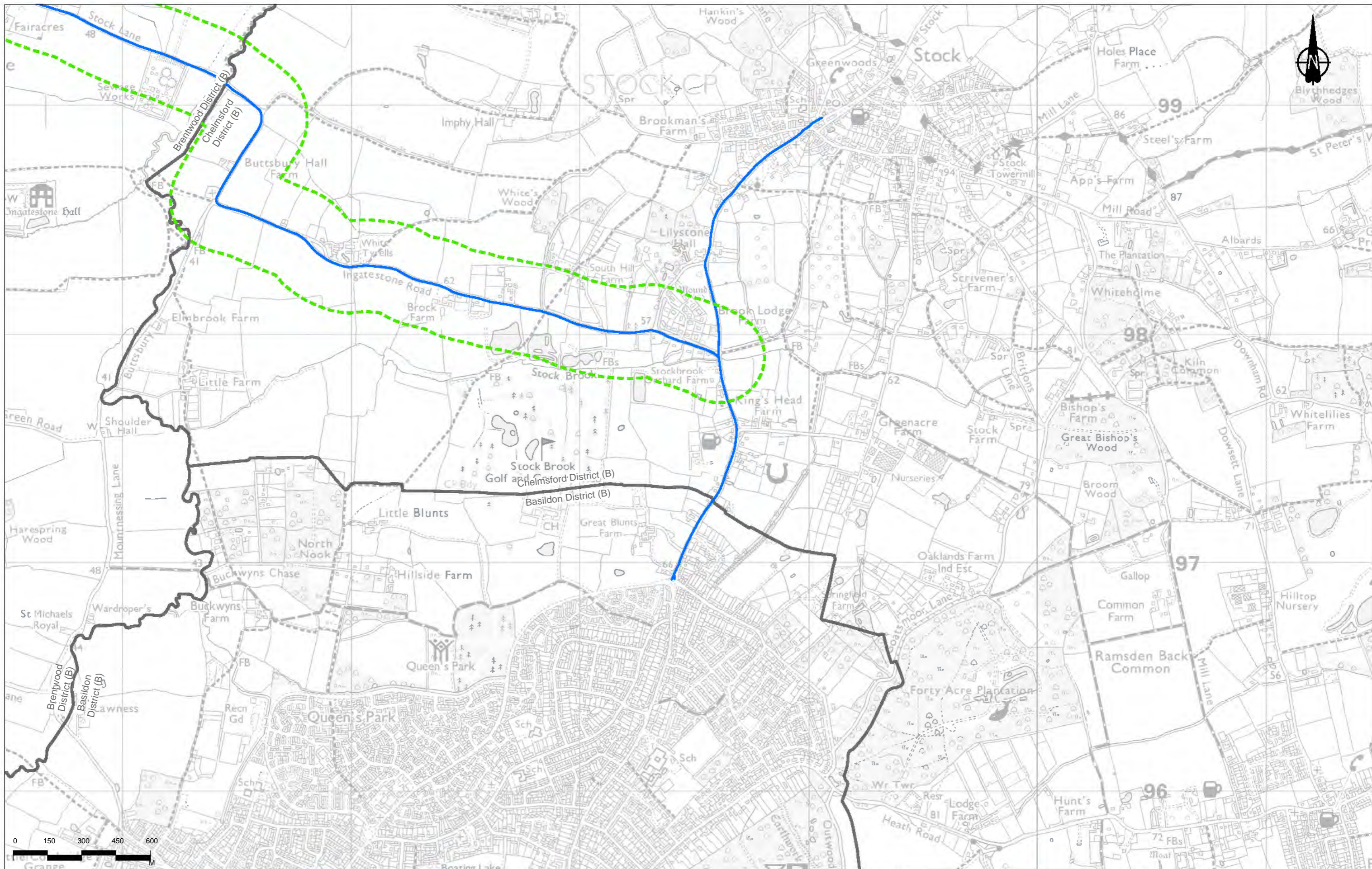
Page 66 of 83

Original Size: A3

Revision: P02

Scale: 1:15,000

Drawing Number: HE540039-CJV-EAQ-SZP\_EGNE00000000-DR-LE-50012



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P02	S2	19/10/2022	DCO Application	CD	MS	PM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**Legend**

Route Alignment	Ancient Woodland (AW)	Ramsar Site (RAMSAR)	Veteran Tree	Perceptible decrease > AQS objective	Short-term AQS Objective Receptor
Order Limits	Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)	<b>Operational Human Receptors</b>	Perceptible increase	<b>Operational Ecological Receptors</b>
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)	Sites of Special Scientific Interest (SSSI)	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors	Perceptible increase > AQS objective	Ecological Receptor
Study Area	National Nature Reserve (NNR)	Roadside Nature Reserve (RNR)	Imperceptible change	Receptor Demolished with Project	Epping Forest (SAC Gridded Receptor)
Operational Modelled Road			Perceptible decrease	Ecological Transects	
Air Quality Management Area (AQMA)					



Client: national highways

Project: **LOWER THAMES CROSSING**

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Appr'd

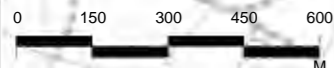
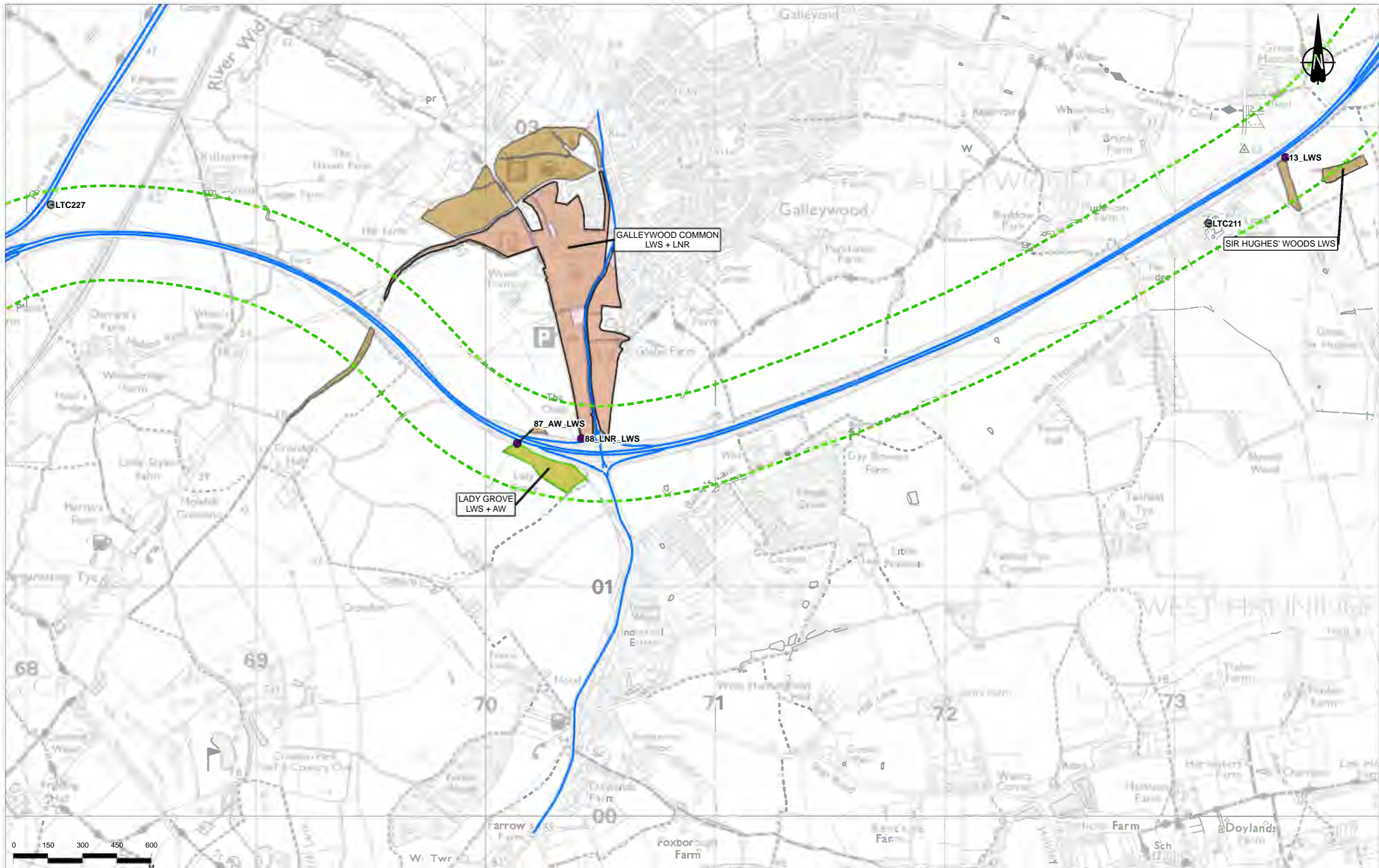
Route Alignment	Ancient Woodland (AW)	Ramsar Site (RAMSAR)	Veteran Tree	Perceptible decrease > AQS objective	Short-term AQS Objective Receptor
Order Limits	Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)	Operational Human Receptors	Perceptible increase	Operational Ecological Receptors
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)	Sites of Special Scientific Interest (SSSI)	Imperceptible change	Perceptible increase > AQS objective	Epping Forest (SAC Gridded Receptor)
Study Area	National Nature Reserve (NNR)	Roadside Nature Reserve (RNR)	Perceptible decrease	Receptor Demolished with Project	Ecological Transects
Operational Modelled Road					
Air Quality Management Area (AQMA)					



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
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**Legend**

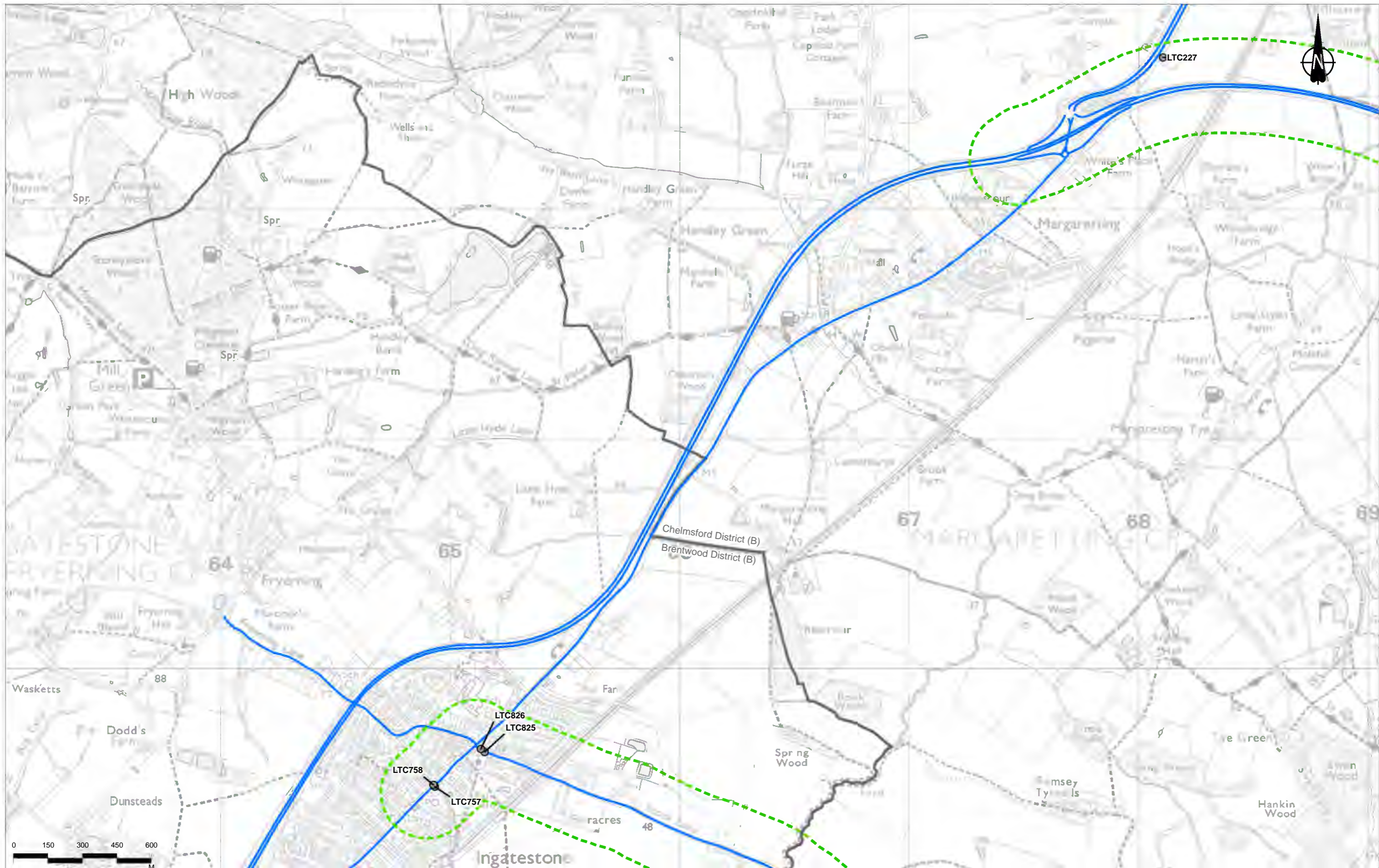
- Route Alignment
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- Study Area
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- Operational Ecological Receptors
- Ecological Receptor
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- Ecological Transects



Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

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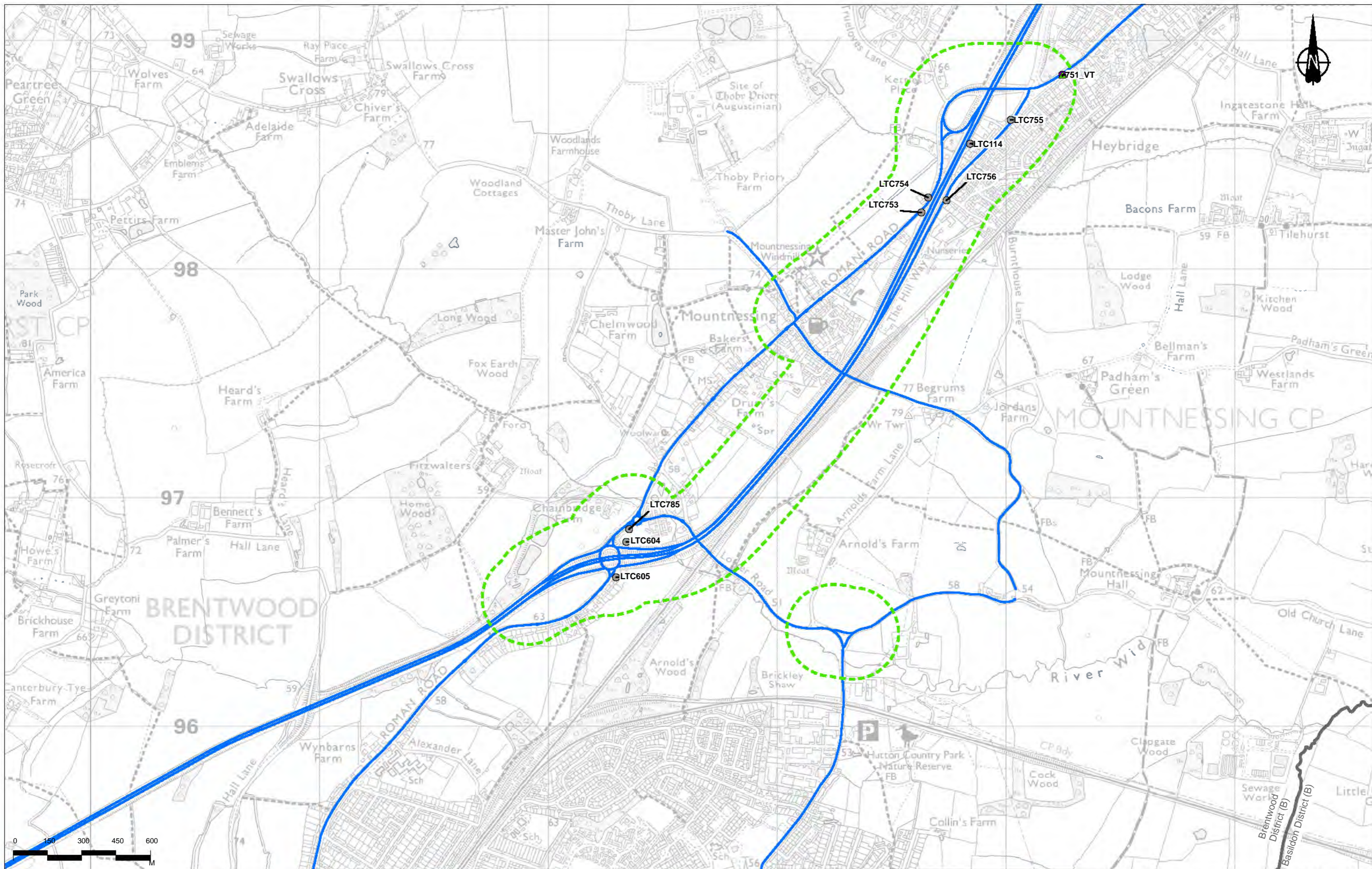


Client:

Project: LOWER THAMES CROSSING

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**Legend**

	Route Alignment		Ancient Woodland (AW)		Ramsar Site (RAMSAR)		Veteran Tree		Perceptible decrease > AQS objective		Short-term AQS Objective Receptor
	Order Limits		Local Nature Reserve (LNR)		Special Areas of Conservation (SAC)		Operational Human Receptors		Perceptible increase		Operational Ecological Receptors
	District Borough Boundary		Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)		Sites of Special Scientific Interest (SSSI)		Project Change in Annual Mean NO <sub>2</sub> at Human Receptors		Perceptible increase > AQS objective		Ecological Receptor
	Study Area		National Nature Reserve (NNR)		Roadside Nature Reserve (RNR)		Imperceptible change		Receptor Demolished with Project		Epping Forest (SAC Gridded Receptor)
	Operational Modelled Road						Perceptible decrease				Ecological Transects
	Air Quality Management Area (AQMA)										

	Veteran Tree		Imperceptible change		Perceptible decrease
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	Perceptible decrease > AQS objective		Short-term AQS Objective Receptor
	Perceptible increase		Operational Ecological Receptors
	Perceptible increase > AQS objective		Ecological Receptor
	Receptor Demolished with Project		Epping Forest (SAC Gridded Receptor)
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	Short-term AQS Objective Receptor
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	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project

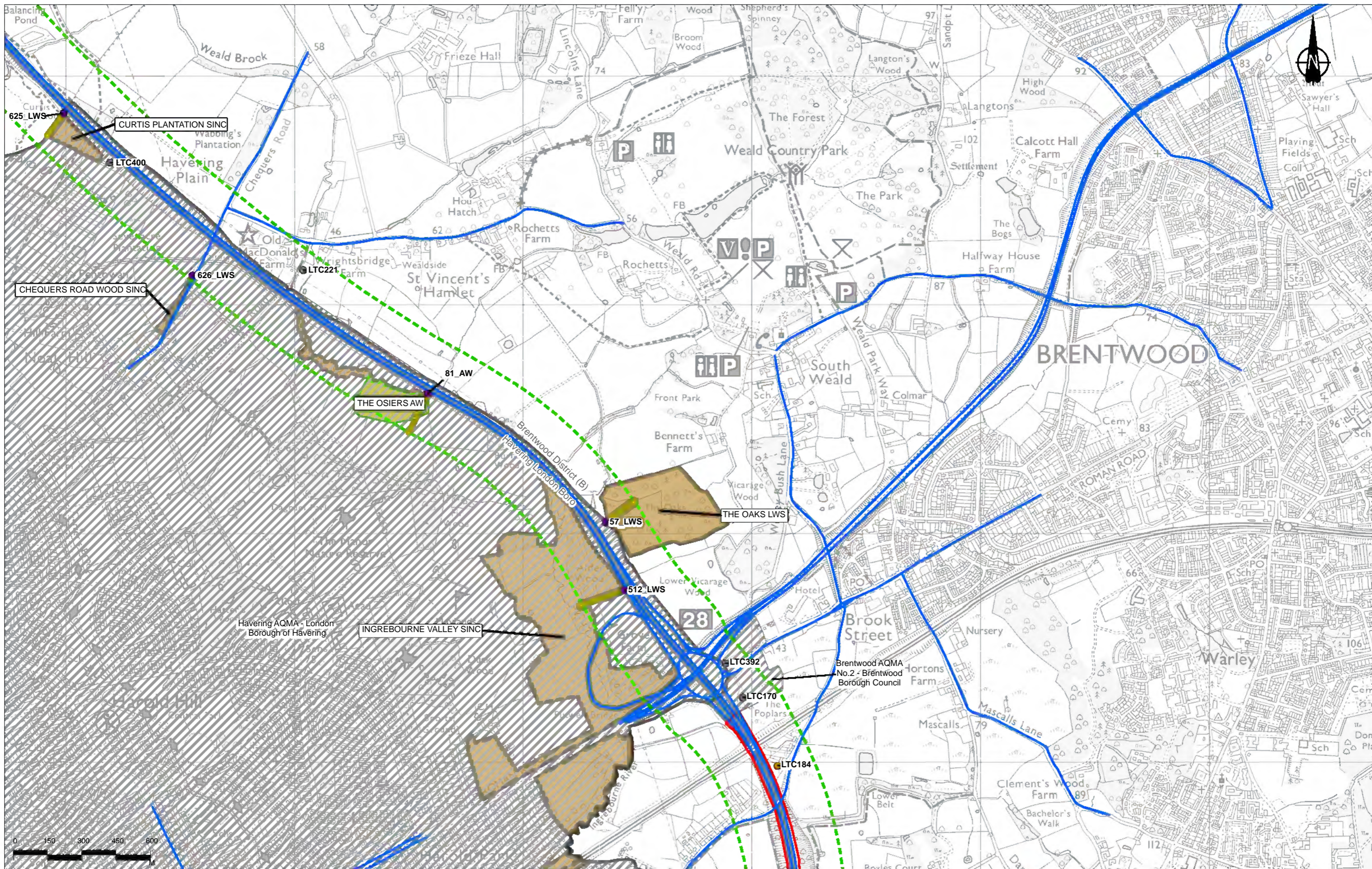
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Client: national highways

Project: LOWER THAMES CROSSING

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	Route Alignment		Ancient Woodland (AW)		Veteran Tree
	Order Limits		Local Nature Reserve (LNR)		Operational Human Receptors
	District Borough Boundary		Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)		Project Change in Annual Mean NO2 at Human Receptors
	Study Area		Ramsar Site (RAMSAR)		Imperceptible change
	Operational Modelled Road		Special Areas of Conservation (SAC)		Perceptible decrease
	Air Quality Management Area (AQMA)		Sites of Special Scientific Interest (SSSI)		Perceptible increase > AQS objective
			Roadside Nature Reserve (RNR)		Perceptible increase > AQS objective
					Receptor Demolished with Project
					Short-term AQS Objective Receptor
					Ecological Receptor
					Epping Forest (SAC Gridded Receptor)
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**national highways**

**LOWER THAMES CROSSING**

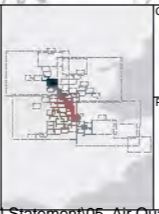
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv
P02	S2	19/10/2022	DCO Application	CD	MS	PM

<ul style="list-style-type: none"> <li>Route Alignment</li> <li>Order Limits</li> <li>District Borough Boundary</li> <li>Study Area</li> <li>Operational Modelled Road</li> <li>Air Quality Management Area (AQMA)</li> </ul>	<ul style="list-style-type: none"> <li>Ancient Woodland (AW)</li> <li>Local Nature Reserve (LNR)</li> <li>Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)</li> <li>National Nature Reserve (NNR)</li> </ul>	<ul style="list-style-type: none"> <li>Ramsar Site (RAMSAR)</li> <li>Special Areas of Conservation (SAC)</li> <li>Sites of Special Scientific Interest (SSSI)</li> <li>Roadside Nature Reserve (RNR)</li> </ul>	<ul style="list-style-type: none"> <li>Veteran Tree</li> <li>Operational Human Receptors</li> <li>Project Change in Annual Mean NO<sub>2</sub> at Human Receptors</li> <li>Imperceptible change</li> <li>Perceptible decrease</li> </ul>	<ul style="list-style-type: none"> <li>Perceptible decrease &gt; AQS objective</li> <li>Perceptible increase</li> <li>Perceptible increase &gt; AQS objective</li> <li>Receptor Demolished with Project</li> </ul>	<ul style="list-style-type: none"> <li>Short-term AQS Objective Receptor</li> <li>Operational Ecological Receptors</li> <li>Ecological Receptor</li> <li>Epping Forest (SAC Gridded Receptor)</li> <li>Ecological Transects</li> </ul>
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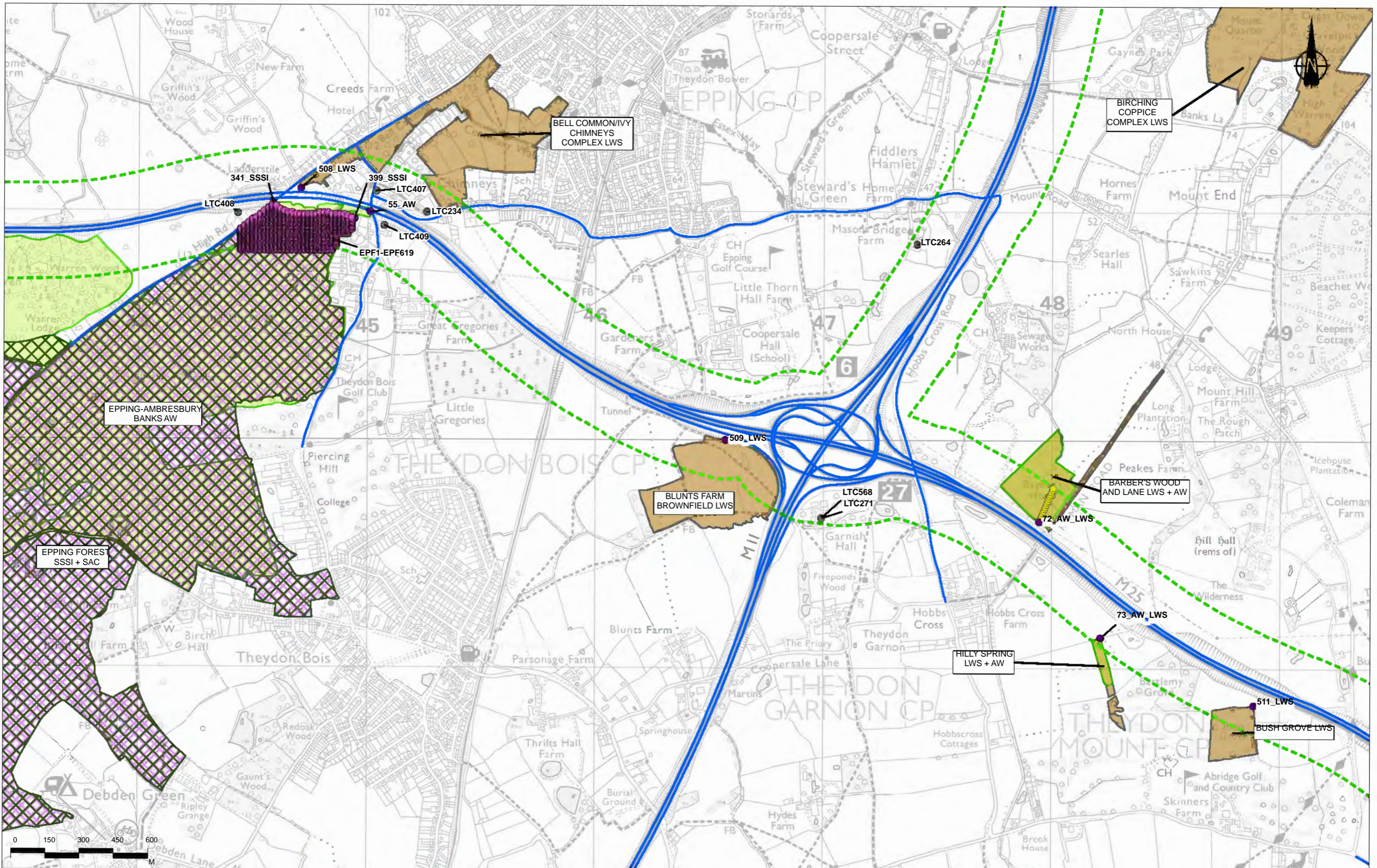


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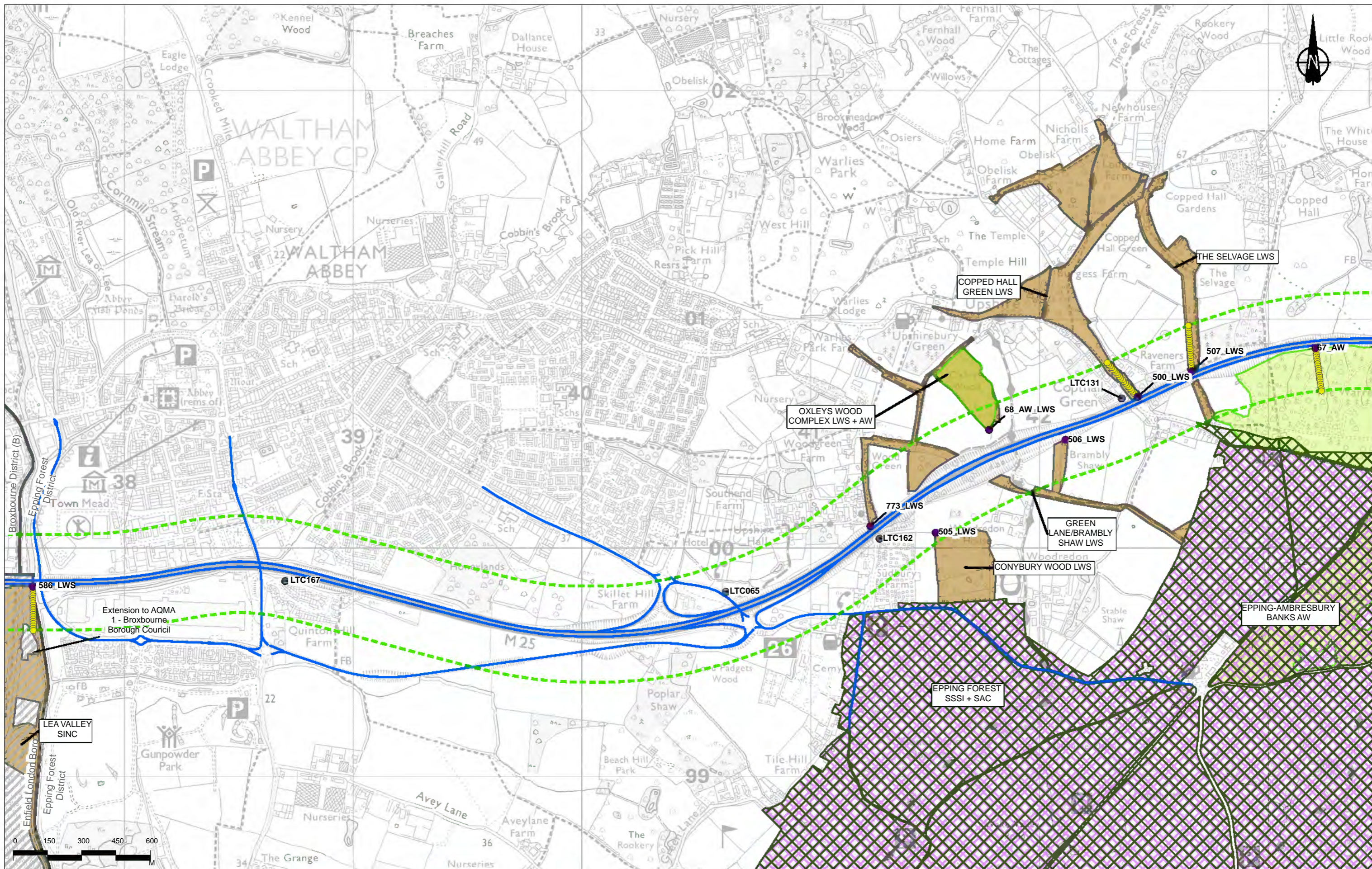
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P02	S2	19/10/2022	DCO Application	CD MS PM
Rev	Status	Rev. Date	Purpose of revision	Drawn Chkd Apprv

	Route Alignment		Ancient Woodland (AW)		Veteran Tree		Perceptible decrease > AQS objective		Short-term AQS Objective Receptor
	Order Limits		Local Nature Reserve (LNR)		Operational Human Receptors		Perceptible increase		Ecological Receptor
	District Borough Boundary		Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)		Imperceptible change		Perceptible increase > AQS objective		Epping Forest (SAC Gridded) Receptor
	Study Area		Sites of Special Scientific Interest (SSSI)		Perceptible decrease		Receptor Demolished with Project		Ecological Transects
	Operational Modelled Road		Roadside Nature Reserve (RNR)		Ramsar Site (RAMSAR)				
	Air Quality Management Area (AQMA)		Special Areas of Conservation (SAC)						

**national highways**

LOWER THAMES CROSSING

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- Legend**
- Route Alignment
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Status: DCO Application

Application Document Number: TR010032/APP/6.2

Drawing Title: Figure 5.6 - Operational Phase Receptors and Results

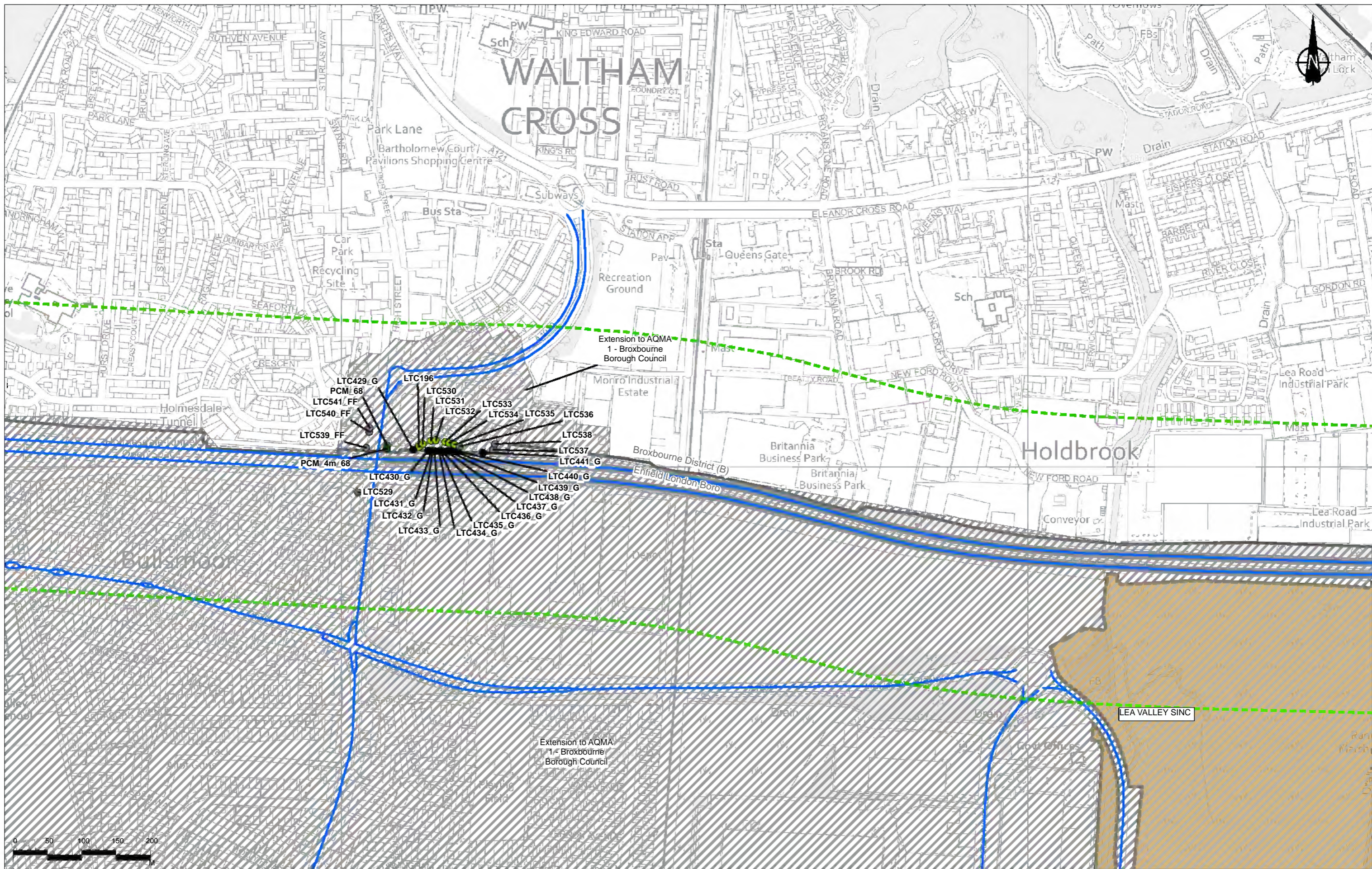
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Drawing Number: HE540039-CJV-EAQ-SZP\_EGNE00000000-DR-LE-50012

Scale: 1:15,000

Original Size: A3

Revision: P02



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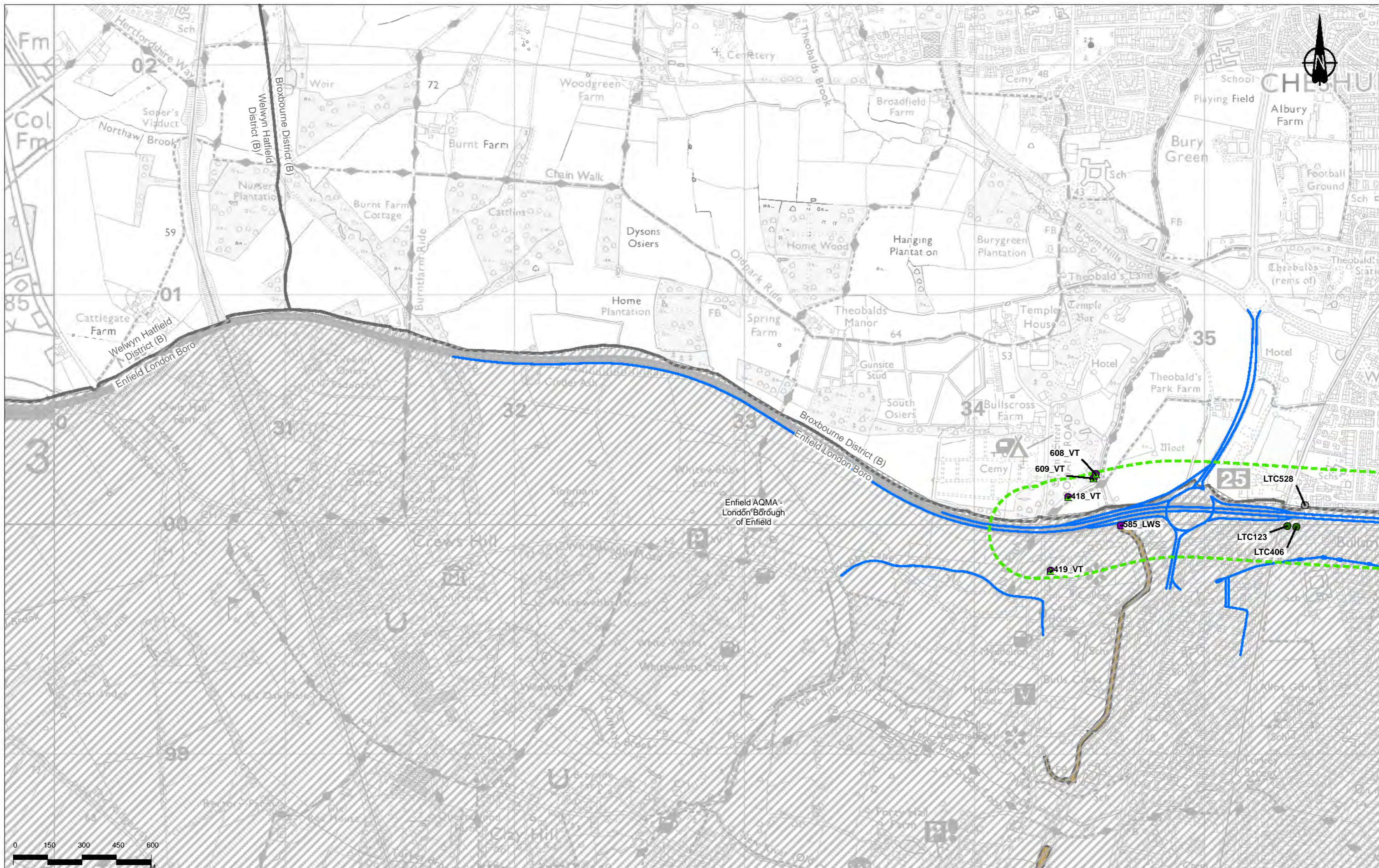
Legend	
	Route Alignment
	Order Limits
	District Borough Boundary
	Study Area
	Operational Modelled Road
	Air Quality Management Area (AQMA)
	Ancient Woodland (AW)
	Local Nature Reserve (LNR)
	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
	National Nature Reserve (NNR)
	Ramsar Site (RAMSAR)
	Special Areas of Conservation (SAC)
	Sites of Special Scientific Interest (SSSI)
	Roadside Nature Reserve (RNR)
	Veteran Tree
	Operational Human Receptors
	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
	Imperceptible change
	Perceptible decrease
	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project
	Short-term AQS Objective Receptor
	Operational Ecological Receptors
	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects



**national highways**

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:5,000		
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results				
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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv
P02	S2	19/10/2022	DCO Application	CD	MS	PM

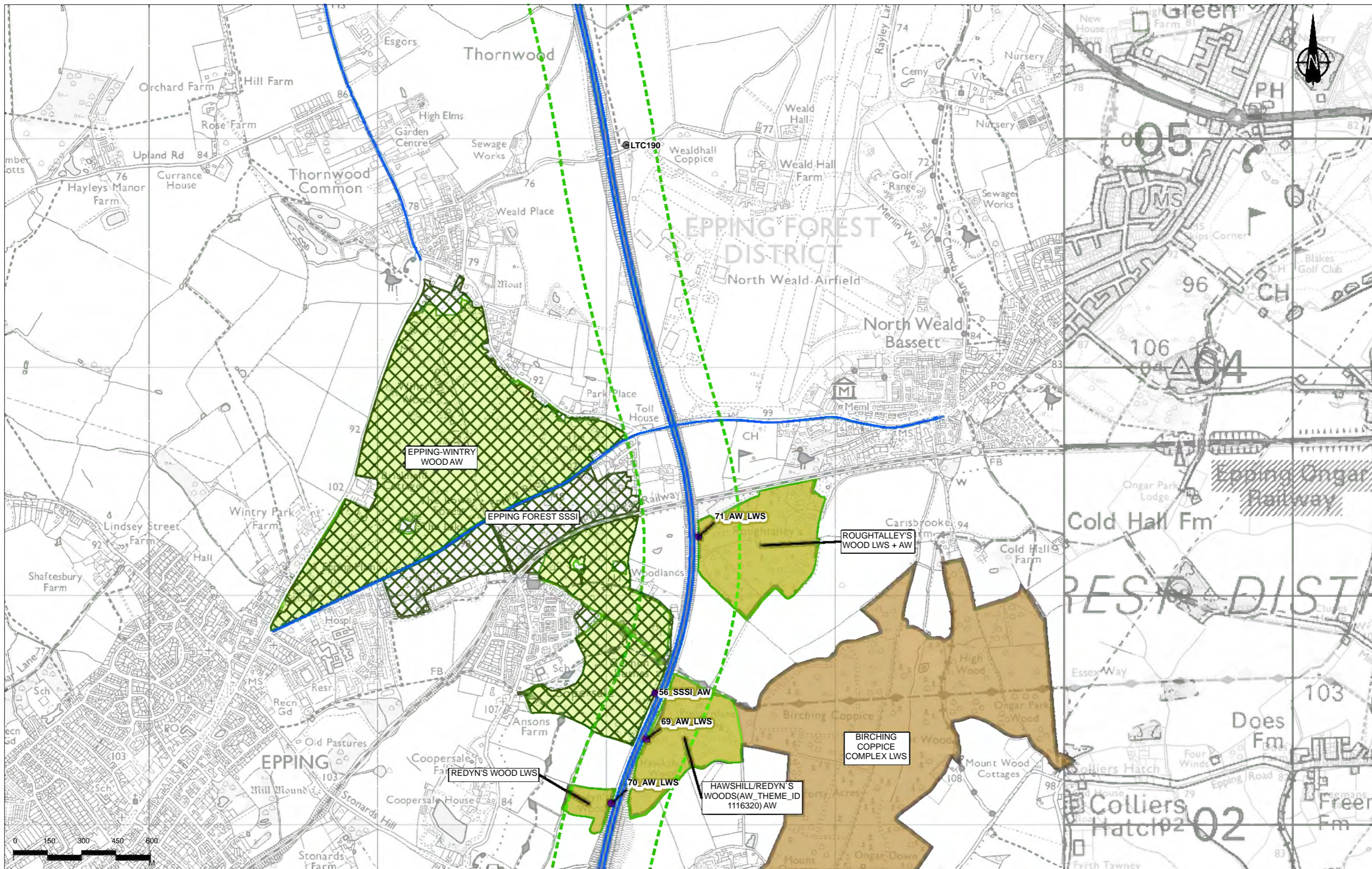
Legend	
	Route Alignment
	Order Limits
	District Borough Boundary
	Study Area
	Operational Modelled Road
	Air Quality Management Area (AQMA)
	Ancient Woodland (AW)
	Local Nature Reserve (LNR)
	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
	National Nature Reserve (NNR)
	Ramsar Site (RAMSAR)
	Special Areas of Conservation (SAC)
	Sites of Special Scientific Interest (SSSI)
	Roadside Nature Reserve (RNR)
	Veteran Tree
	Operational Human Receptors
	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
	Imperceptible change
	Perceptible decrease
	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project
	Short-term AQS Objective Receptor
	Operational Ecological Receptors
	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects



Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50012				
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0	150	300	450	600
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	Route Alignment
	Order Limits
	District Borough Boundary
	Study Area
	Operational Modelled Road
	Air Quality Management Area (AQMA)

	Ancient Woodland (AW)
	Local Nature Reserve (LNR)
	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
	National Nature Reserve (NNR)

	Ramsar Site (RAMSAR)
	Special Areas of Conservation (SAC)
	Sites of Special Scientific Interest (SSSI)
	Roadside Nature Reserve (RNR)

	Veteran Tree
	Operational Human Receptors
	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
	Imperceptible change
	Perceptible decrease

	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project

	Short-term AQS Objective Receptor
	Operational Ecological Receptors
	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects

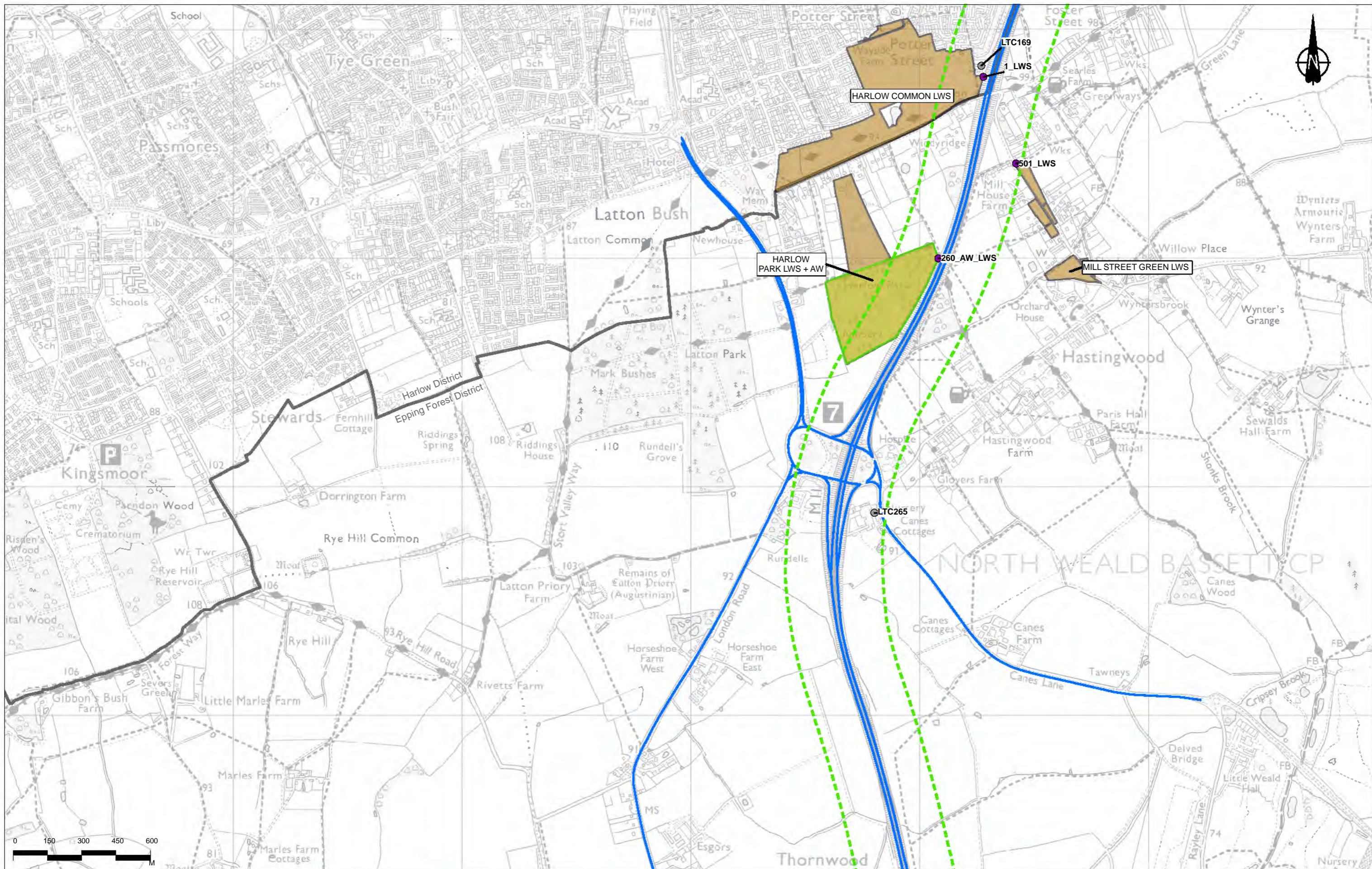


Client: national highways

Project: LOWER THAMES CROSSING

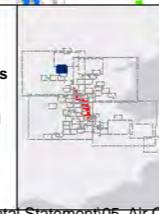
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Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				





PO2	S2	19/10/2022	DCO Application	CD	MS	PM
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv

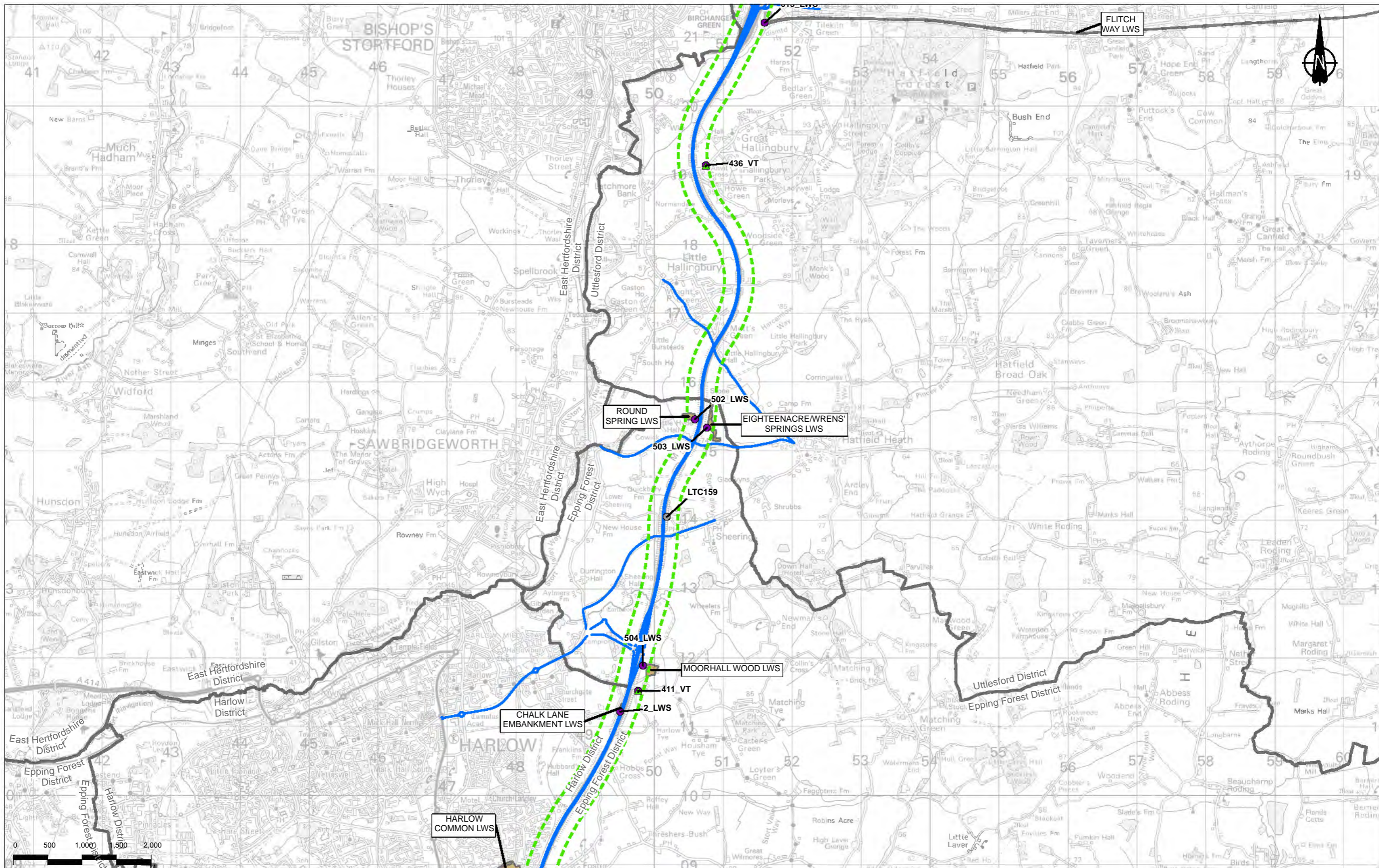
Route Alignment	Ancient Woodland (AW)	Ramsar Site (RAMSAR)	Veteran Tree	Perceptible decrease > AQS objective	Short-term AQS Objective Receptor
Order Limits	Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)	Operational Human Receptors	Perceptible increase	Ecological Receptor
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)	Sites of Special Scientific Interest (SSSI)	Imperceptible change	Perceptible increase > AQS objective	Epping Forest (SAC Gridded Receptor)
Study Area	National Nature Reserve (NNR)	Roadside Nature Reserve (RNR)	Perceptible decrease	Receptor Demolished with Project	Ecological Transects
Operational Modelled Road					
Air Quality Management Area (AQMA)					



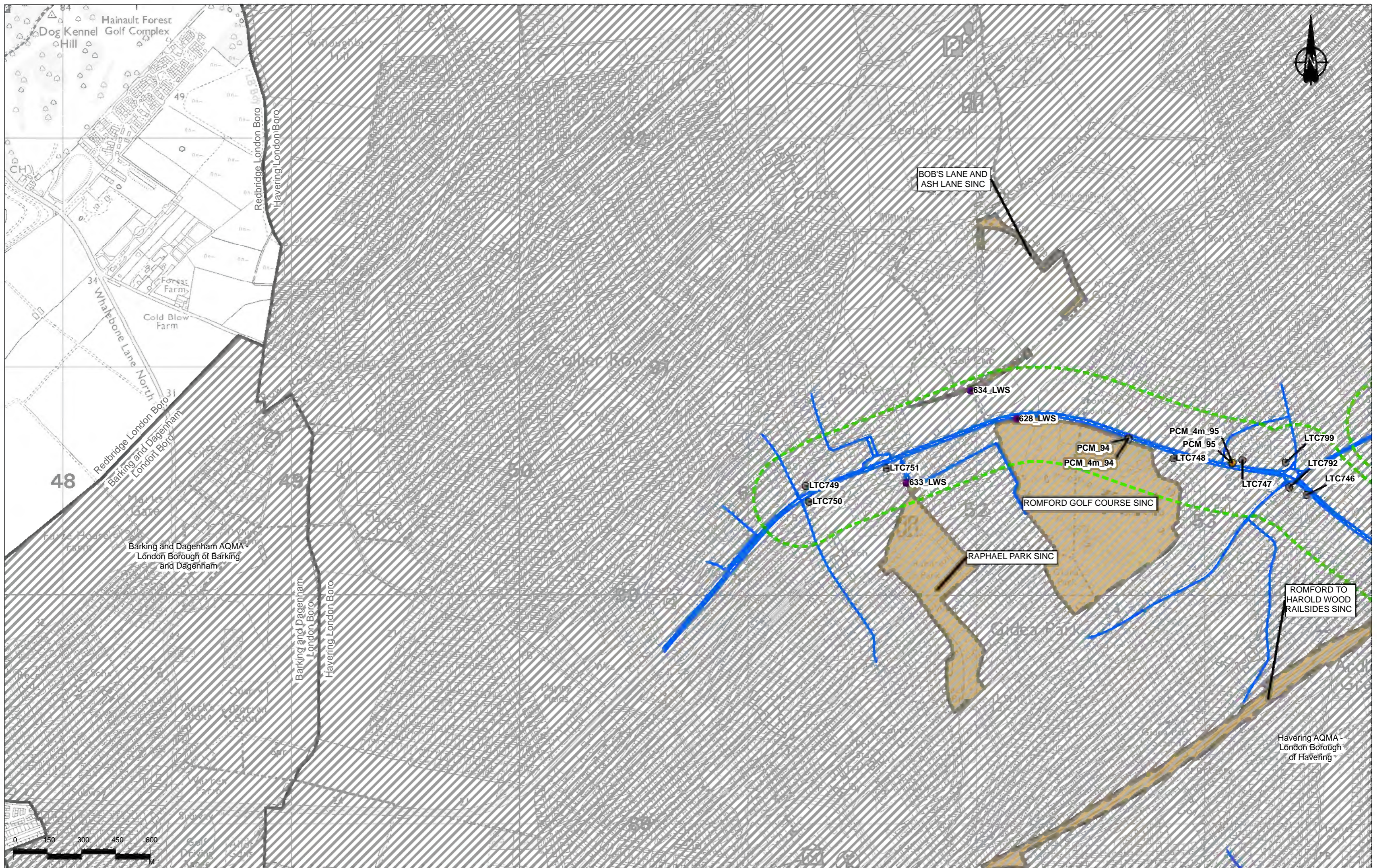
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results				
	Page 79 of 83				
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<p>P02 S2 19/10/2022 DCO Application CD MS PM</p> <p>Rev Status Rev Date Purpose of revision Drawn Chkd Apprv</p>		<p>Drawing Number: HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012</p>		<p>Z:\Environment\Environmental Statement\05_Air Quality\HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 - 5.6 - Operational Phase Receptors and Results Part - A.aprx</p>			



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P02	S2	19/10/2022	DCO Application	CD	MS	PM

	Route Alignment		Ancient Woodland (AW)		Ramsar Site (RAMSAR)
	Order Limits		Local Nature Reserve (LNR)		Special Areas of Conservation (SAC)
	District Borough Boundary		Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)		Sites of Special Scientific Interest (SSSI)
	Study Area		National Nature Reserve (NNR)		Roadside Nature Reserve (RNR)
	Operational Modelled Road				
	Air Quality Management Area (AQMA)				

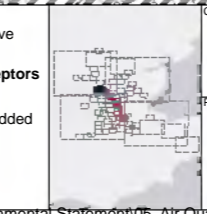
	Veteran Tree		Perceptible decrease > AQS objective
	Operational Human Receptors		Perceptible increase
	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors		Perceptible increase > AQS objective
	Imperceptible change		Receptor Demolished with Project
	Perceptible decrease		

	Short-term AQS Objective Receptor		Ecological Receptor
	Operational Ecological Receptors		Epping Forest (SAC Gridded Receptor)
	Ecological Receptor		Ecological Transects

	Veteran Tree
	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project

	Short-term AQS Objective Receptor
	Operational Ecological Receptors
	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects

	Perceptible decrease > AQS objective
	Perceptible increase
	Perceptible increase > AQS objective
	Receptor Demolished with Project



Client:

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A3	P02
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv
P02	S2	19/10/2022	DCO Application	CD	MS	PM

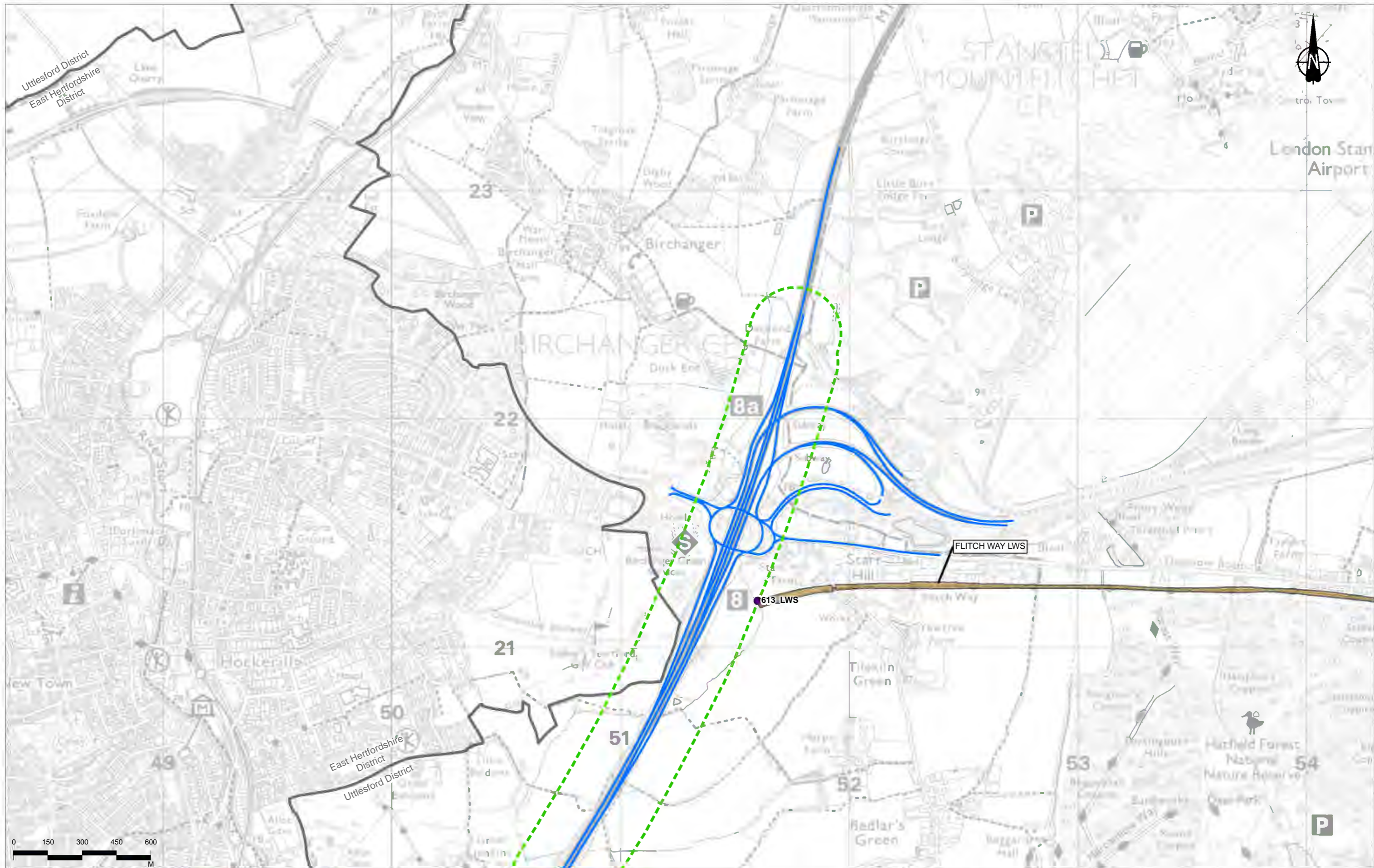
**Legend**

Route Alignment	Ancient Woodland (AW)	Ramsar Site (RAMSAR)	Veteran Tree	Perceptible decrease > AQS objective	Short-term AQS Objective Receptor
Order Limits	Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)	Operational Human Receptors	Perceptible increase	Ecological Receptor
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)	Sites of Special Scientific Interest (SSSI)	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors	Perceptible increase > AQS objective	Epping Forest (SAC Gridded Receptor)
Study Area	National Nature Reserve (NNR)	Roadside Nature Reserve (RNR)	Imperceptible change	Receptor Demolished with Project	Ecological Transects
Operational Modelled Road			Perceptible decrease		
Air Quality Management Area (AQMA)					

Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A3	P02
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Drawing Number	HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50012		
Scale	1:50,000		
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P02	S2	19/10/2022	DCO Application	CD	MS	PM

Legend	
Route Alignment	Ancient Woodland (AW)
Order Limits	Local Nature Reserve (LNR)
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
Operational Modelled Road	Roadside Nature Reserve (RNR)
Air Quality Management Area (AQMA)	National Nature Reserve (NNR)
Ramsar Site (RAMSAR)	Special Areas of Conservation (SAC)
Veteran Tree	Sites of Special Scientific Interest (SSSI)
Operational Human Receptors	Sites of Special Scientific Interest (SSSI)
Project Change in Annual Mean NO <sub>2</sub> at Human Receptors	Sites of Special Scientific Interest (SSSI)
Imperceptible change	Sites of Special Scientific Interest (SSSI)
Perceptible increase	Sites of Special Scientific Interest (SSSI)
Perceptible increase > AQS objective	Sites of Special Scientific Interest (SSSI)
Perceptible increase > AQS objective	Sites of Special Scientific Interest (SSSI)
Perceptible decrease > AQS objective	Sites of Special Scientific Interest (SSSI)
Receptor Demolished with Project	Sites of Special Scientific Interest (SSSI)
Short-term AQS Objective Receptor	Sites of Special Scientific Interest (SSSI)
Operational Ecological Receptors	Sites of Special Scientific Interest (SSSI)
Ecological Receptor	Sites of Special Scientific Interest (SSSI)
Epping Forest (SAC Gridded Receptor)	Sites of Special Scientific Interest (SSSI)
Ecological Transects	Sites of Special Scientific Interest (SSSI)



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
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