

# Lower Thames Crossing

## 6.2 Environmental Statement Figures

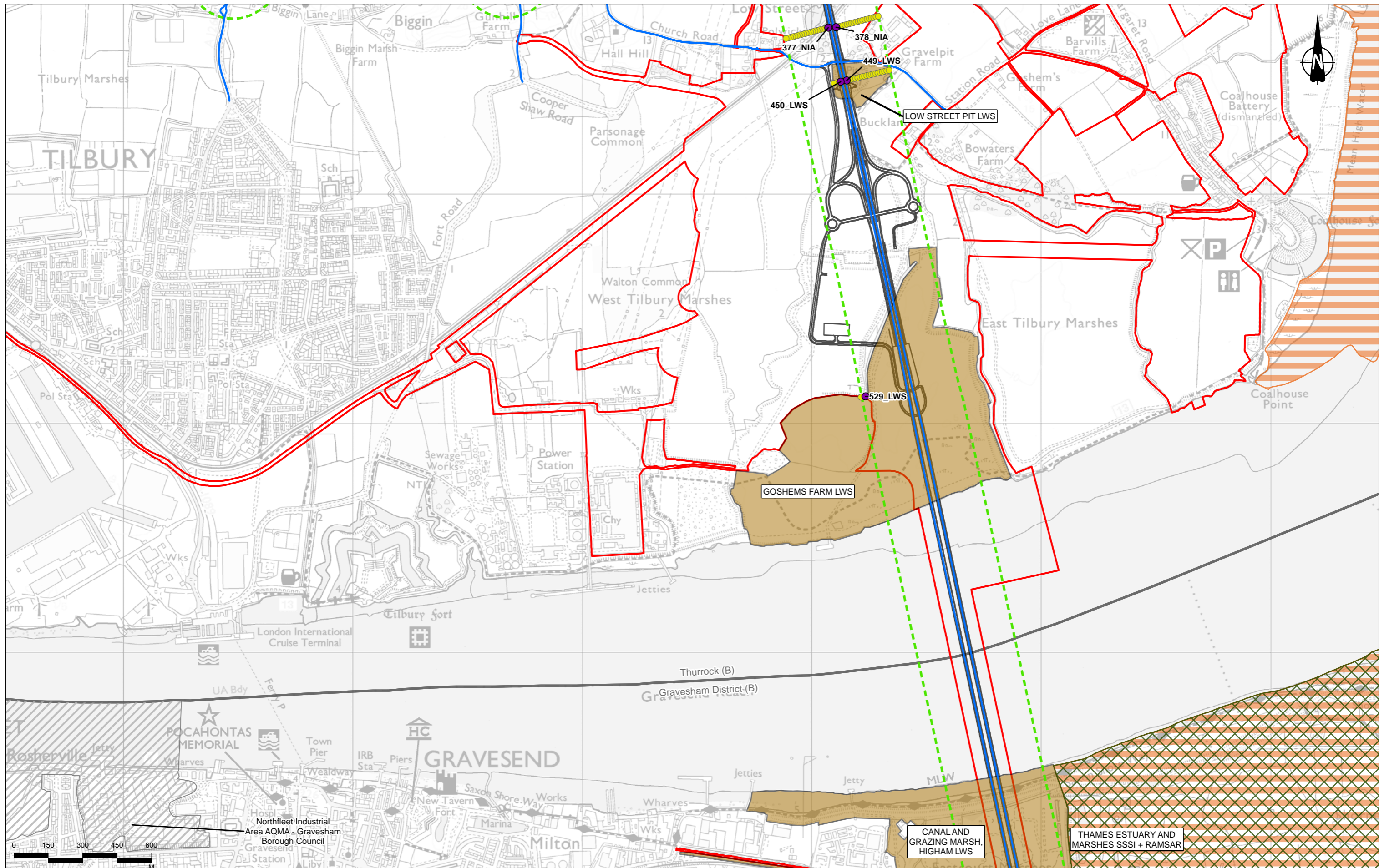
### Figure 5.6 - Operational Phase Receptors and Results (3 of 4)

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



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

**Legend**

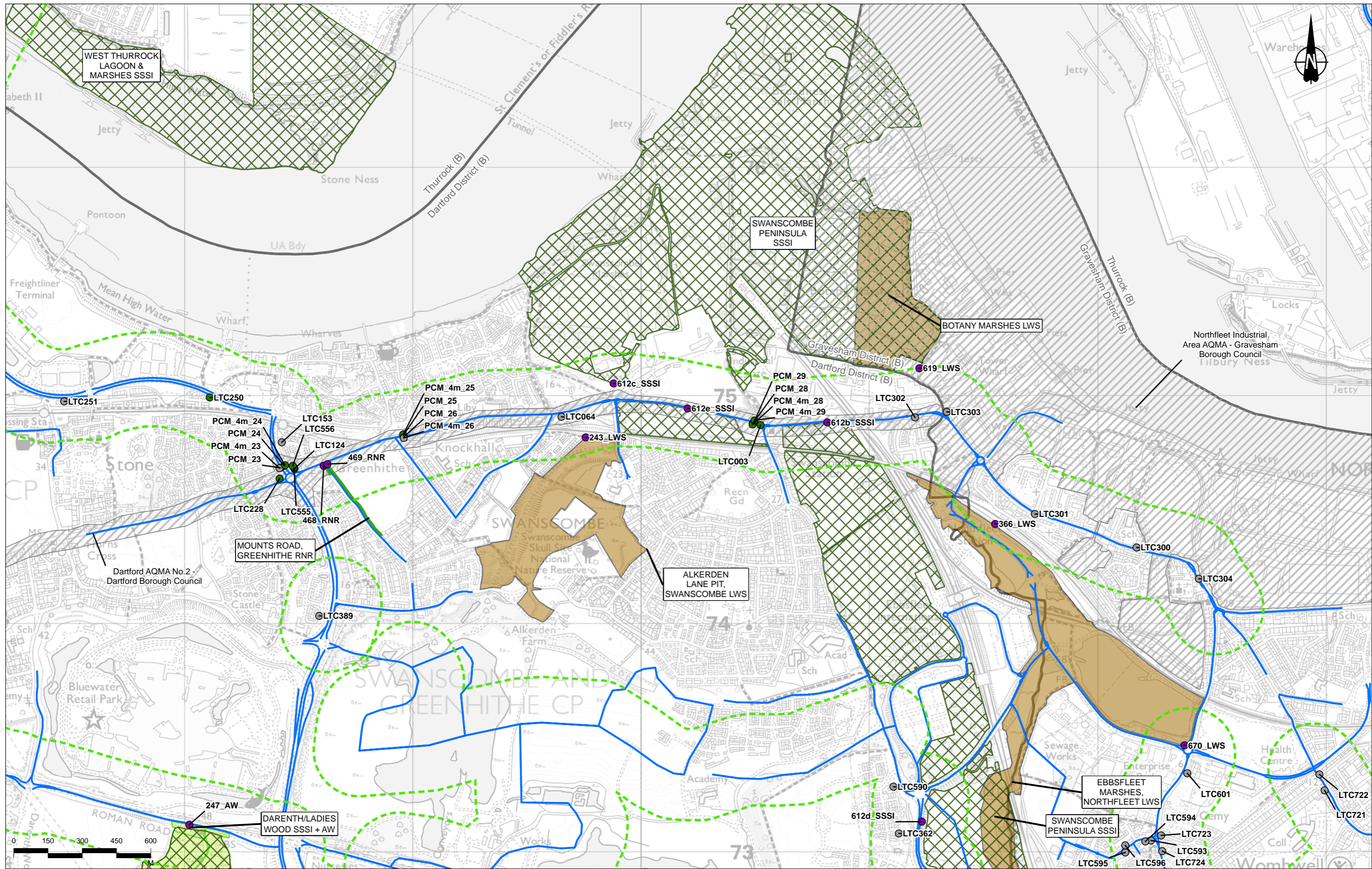
Route Alignment	Ancient Woodland (AW)	Ramsar Site (RAMSAR)	Veteran Tree	Perceptible decrease > AQS objective	Short-term AQS Objective Receptor
Order Limits	Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)	<b>Operational Human Receptors</b>	Perceptible increase	<b>Operational Ecological 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)					

**LOWER THAMES CROSSING**

Client: national highways

Project:

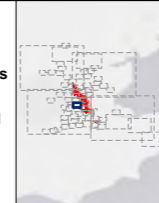
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Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results				
	Page 43 of 83				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				



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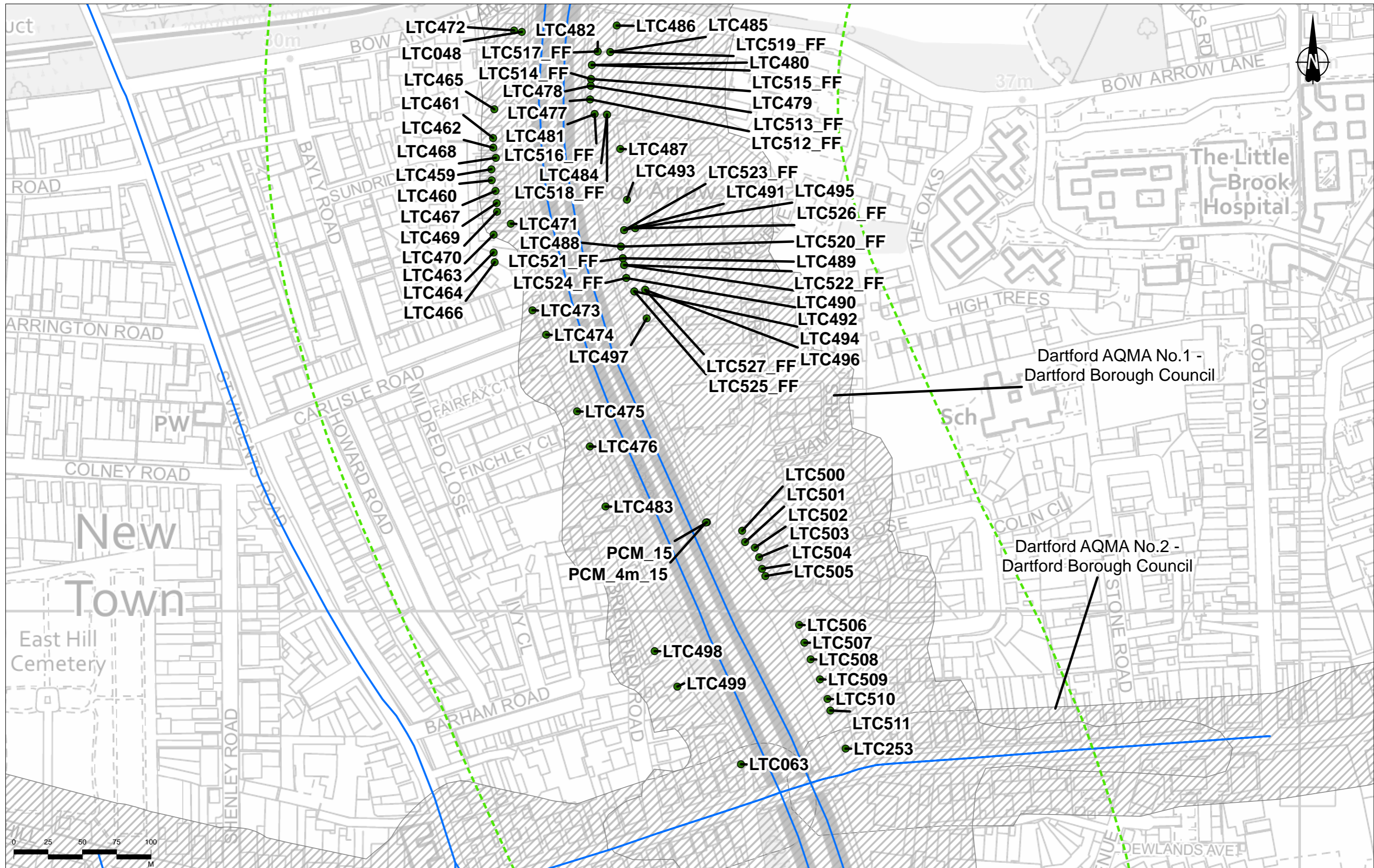
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appvd
P02	S2	19/10/2022	DCO Application	CD	MS	PM

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



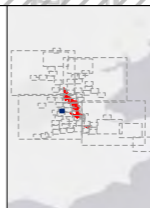
Client: national highways  
Project: LOWER THAMES CROSSING

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 44 of 83
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				



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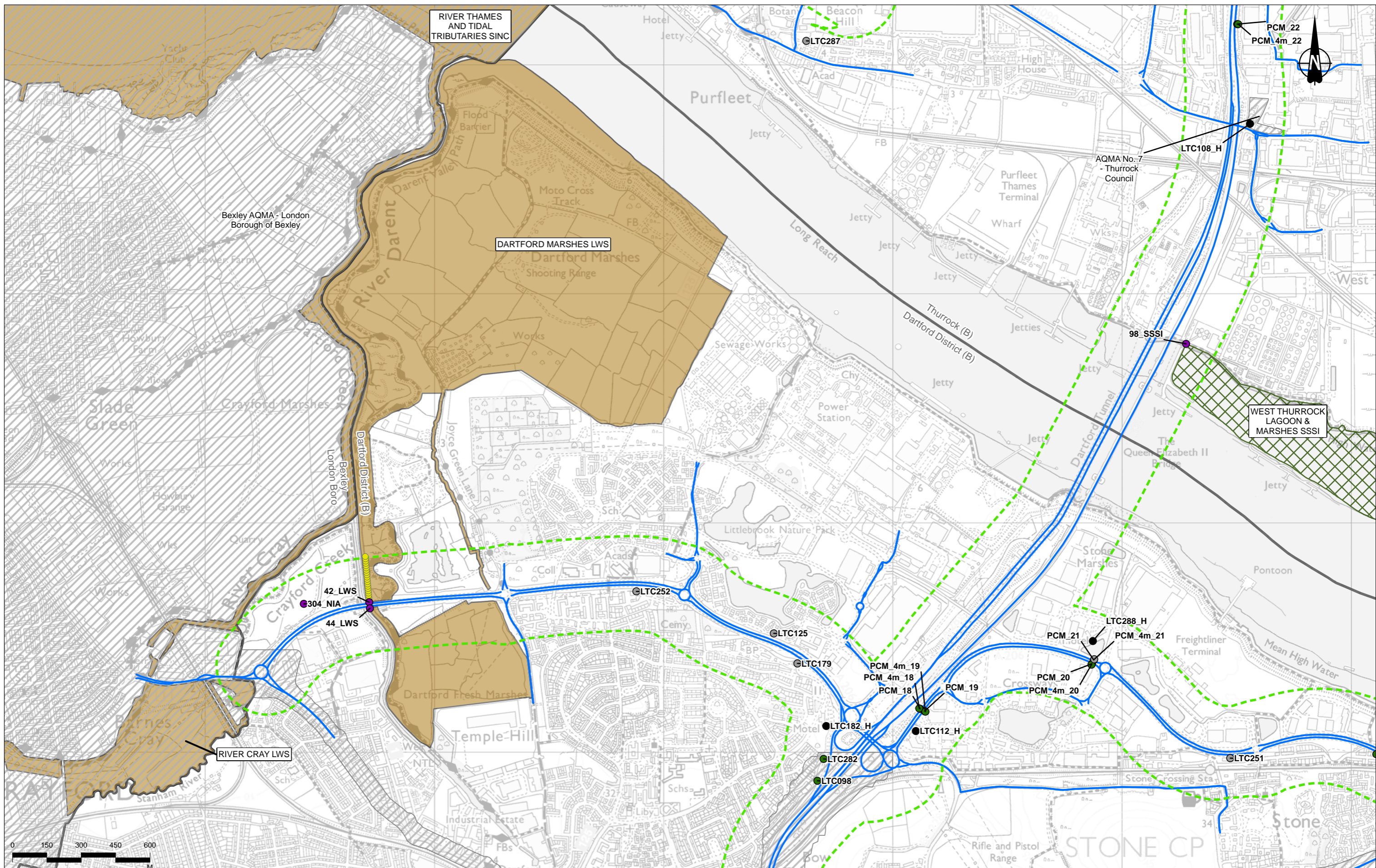
Legend	
Route Alignment	Ancient Woodland (AW)
Order Limits	Local Nature Reserve (LNR)
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
Operational Modelled Road	Roadside Nature Reserve (RNR)
Air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



Client: national highways

Project: LOWER THAMES CROSSING

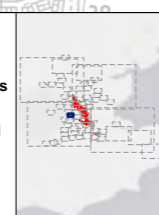
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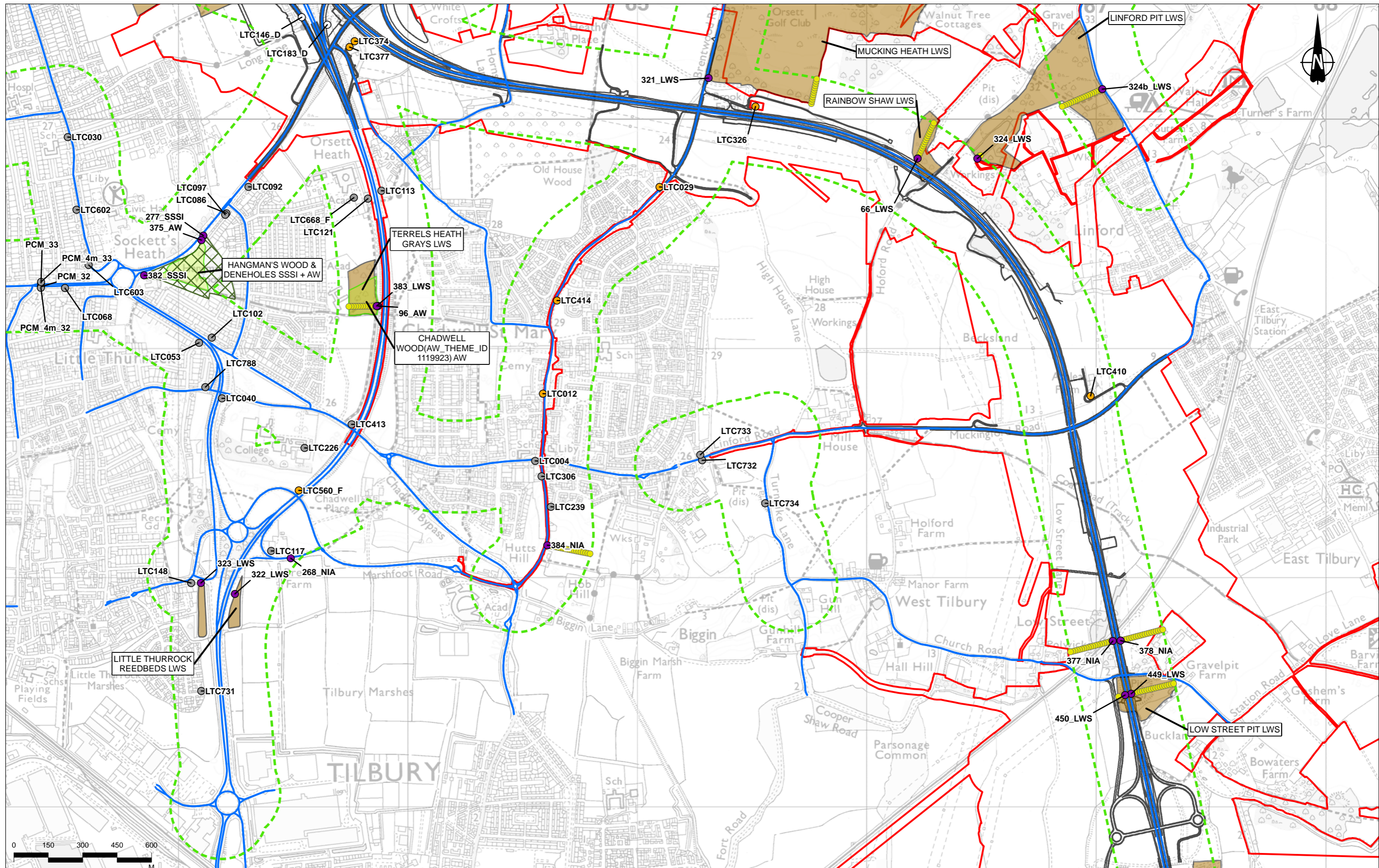
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Route Alignment	Ancient Woodland (AW)
Order Limits	Local Nature Reserve (LNR)
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
Operational Modelled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

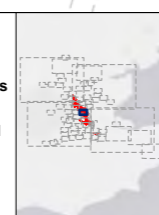
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	Page 46 of 83				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				



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

**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

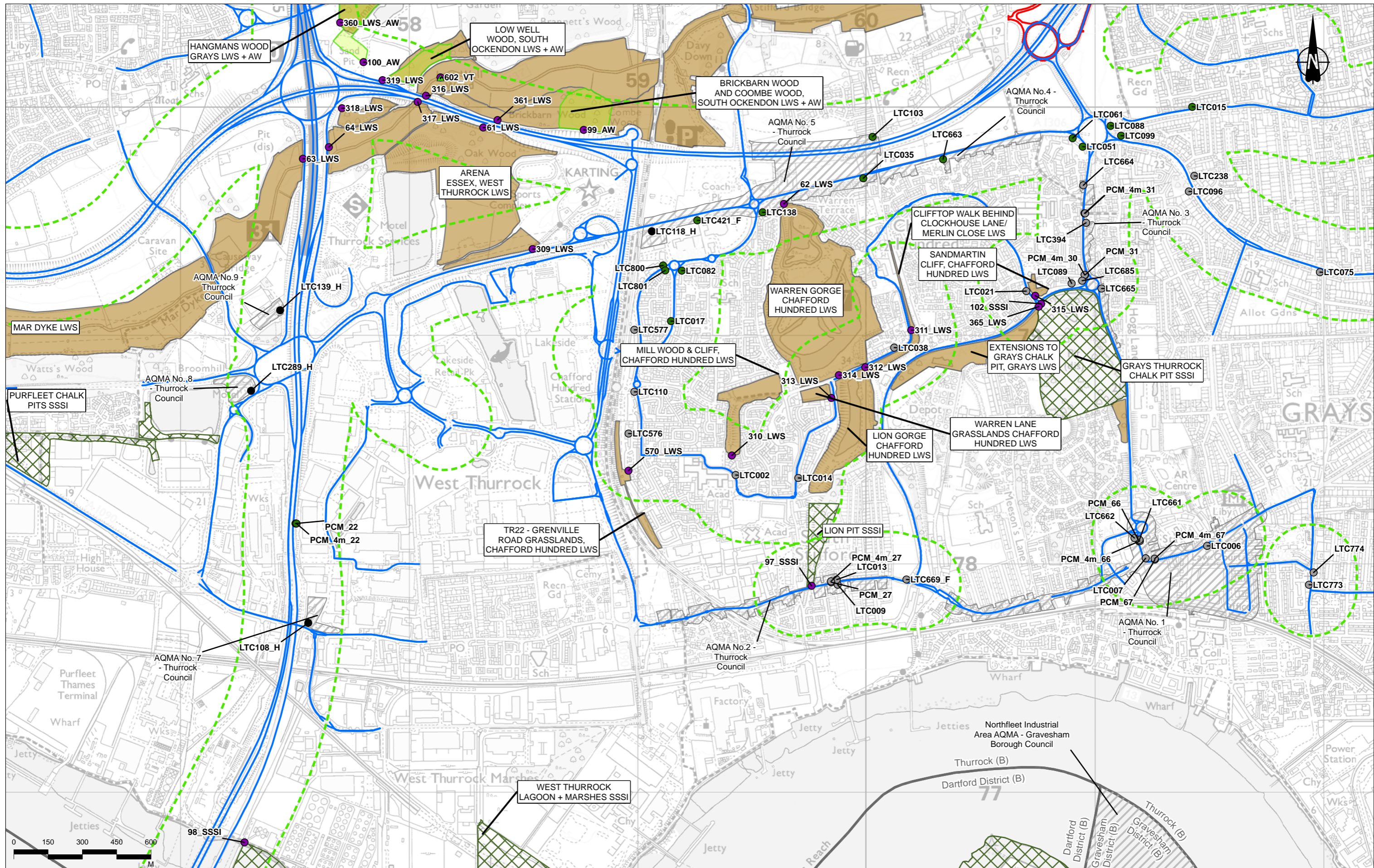


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Page 47 of 83



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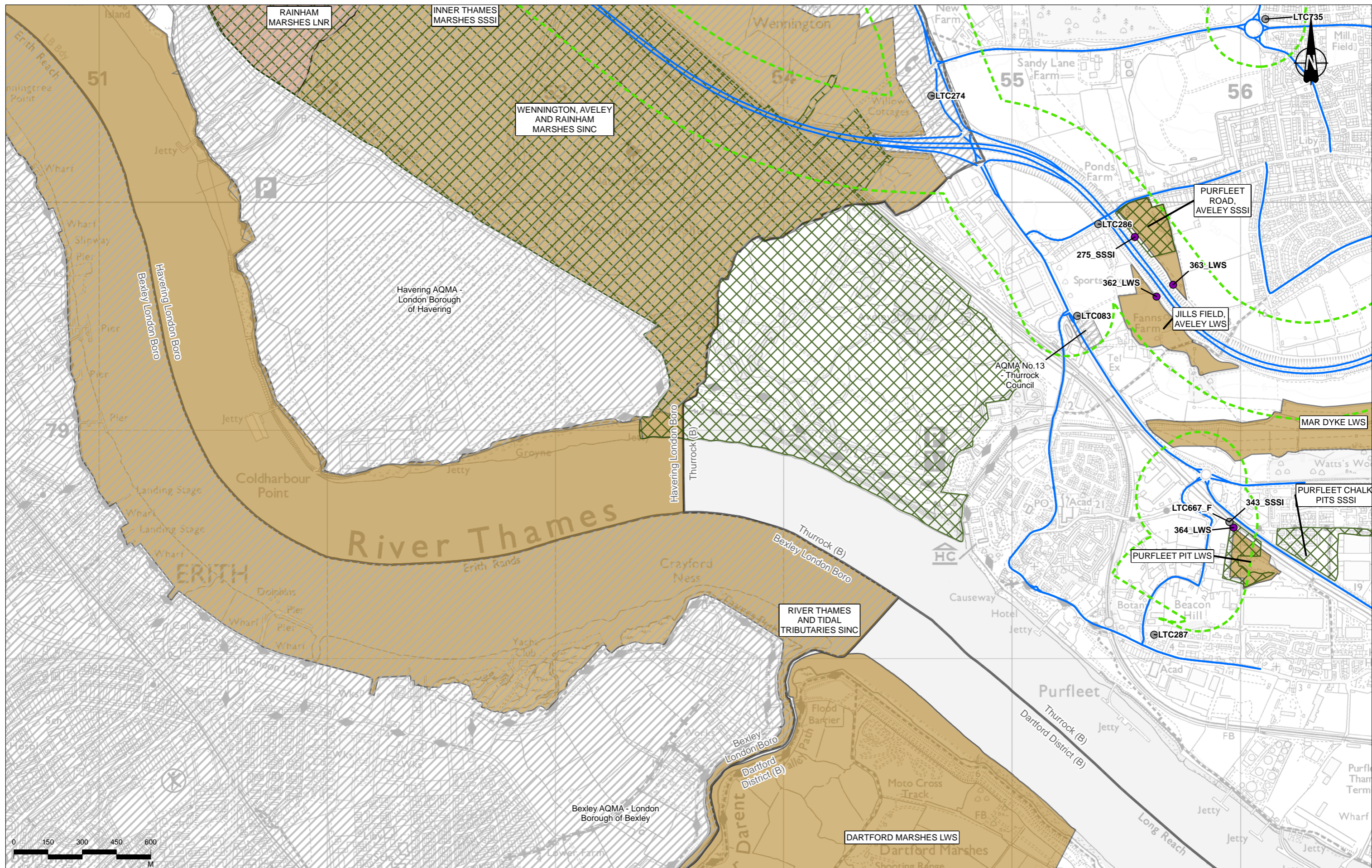
**Legend**

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	Ecological Transects
Operational Modelled Road			Perceptible decrease		
Air Quality Management Area (AQMA)					

**national highways**

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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	Special Areas of Conservation (SAC)
Operational Modelled Road	Sites of Special Scientific Interest (SSSI)
Air Quality Management Area (AQMA)	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 > AQS objective	Perceptible decrease
Perceptible increase	Short-term AQS Objective Receptor
Perceptible increase > AQS objective	Operational Ecological Receptors
Receptor Demolished with Project	Ecological Receptor
	Epping Forest (SAC Gridded Receptor)
	Ecological Transects

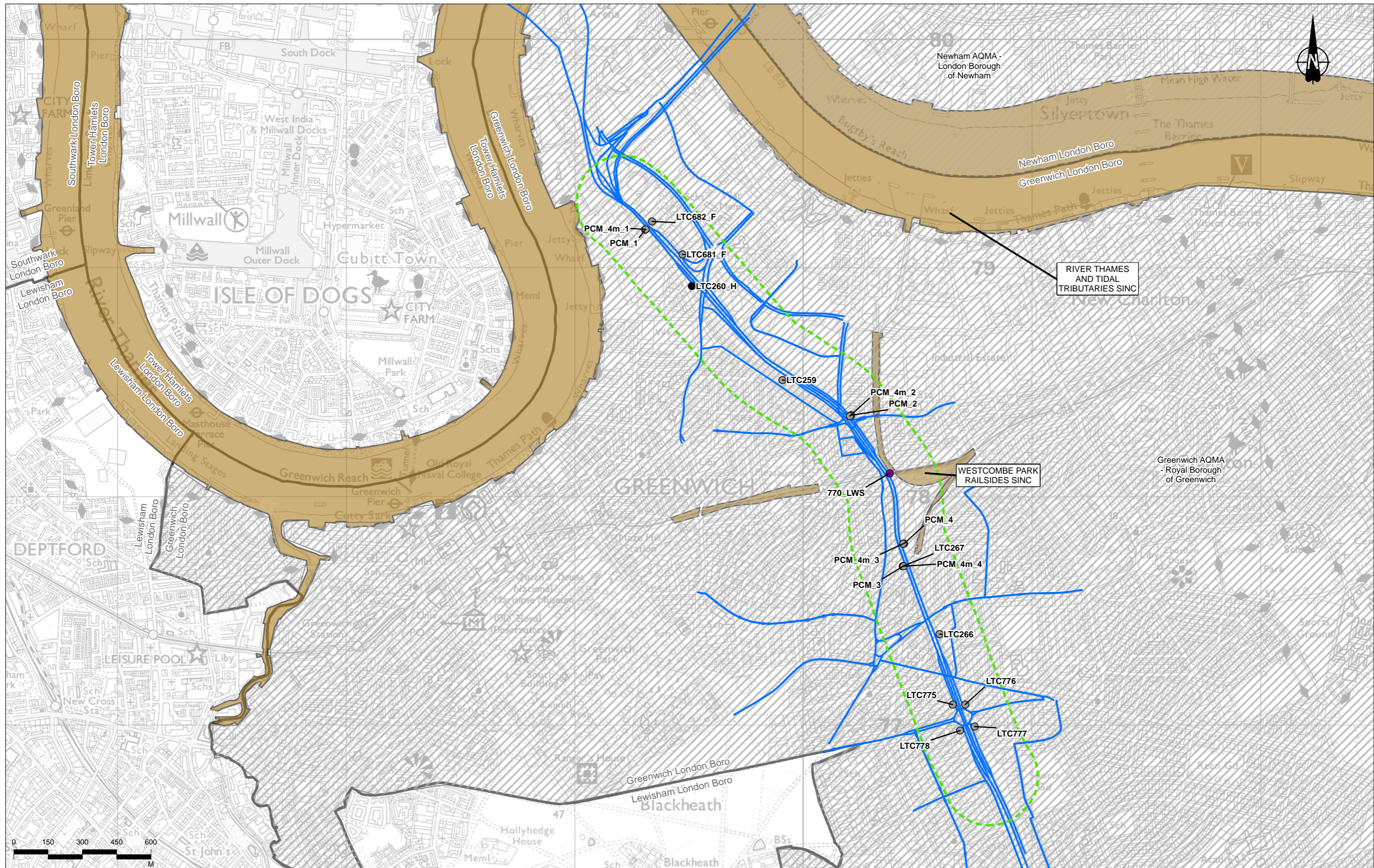


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Status	DCO Application	Original Size	A3	Revision	P02
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	Page 49 of 83				
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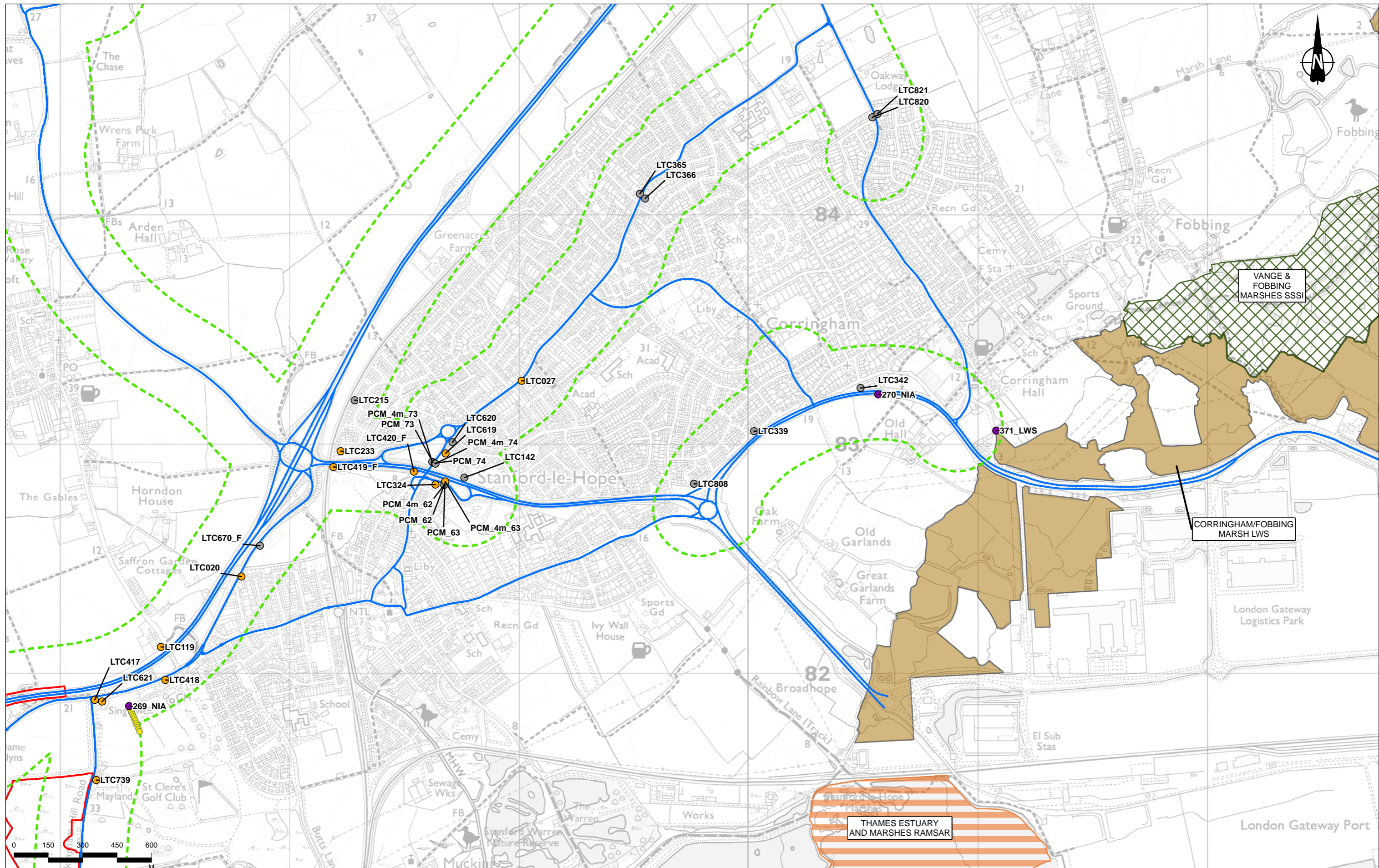
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	Route Alignment
	Order Limits
	District Borough Boundary
	Study Area
	Operational Modelled Road
	Air Quality Management Area (AQMA)
	Ancient Woodland (AW)
	Local Nature Reserve (LNR)
	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (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:

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 50 of 83					
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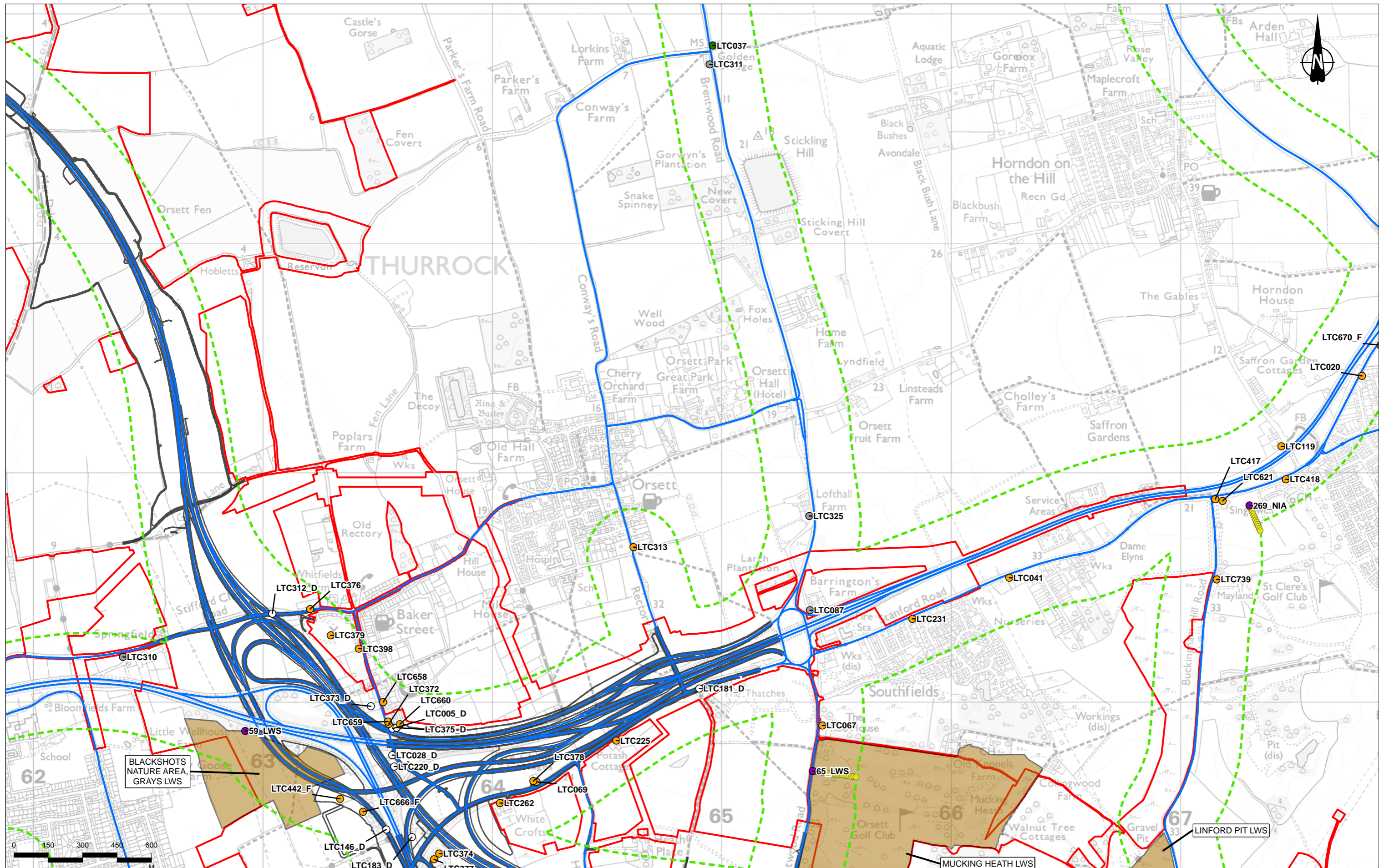
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Route Alignment	Ancient Woodland (AW)
Order Limits	Local Nature Reserve (LNR)
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
Operational Modelled Road	National Nature Reserve (NNR)
Air Quality Management Area (AQMA)	Ramsar Site (RAMSAR)
Veteran Tree	Special Areas of Conservation (SAC)
Operational Human Receptors	Sites of Special Scientific Interest (SSSI)
Project Change in Annual Mean NO <sub>2</sub> at Human Receptors	Roadside Nature Reserve (RNR)
Imperceptible change	Perceptible decrease > AQS objective
Perceptible decrease	Perceptible increase
Short-term AQS Objective Receptor	Perceptible increase > AQS objective
Operational Ecological Receptors	Receptor Demolished with Project
Ecological Receptor	Ecological Transects
Epping Forest (SAC Gridded Receptor)	



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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	Page 51 of 83				
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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	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)					

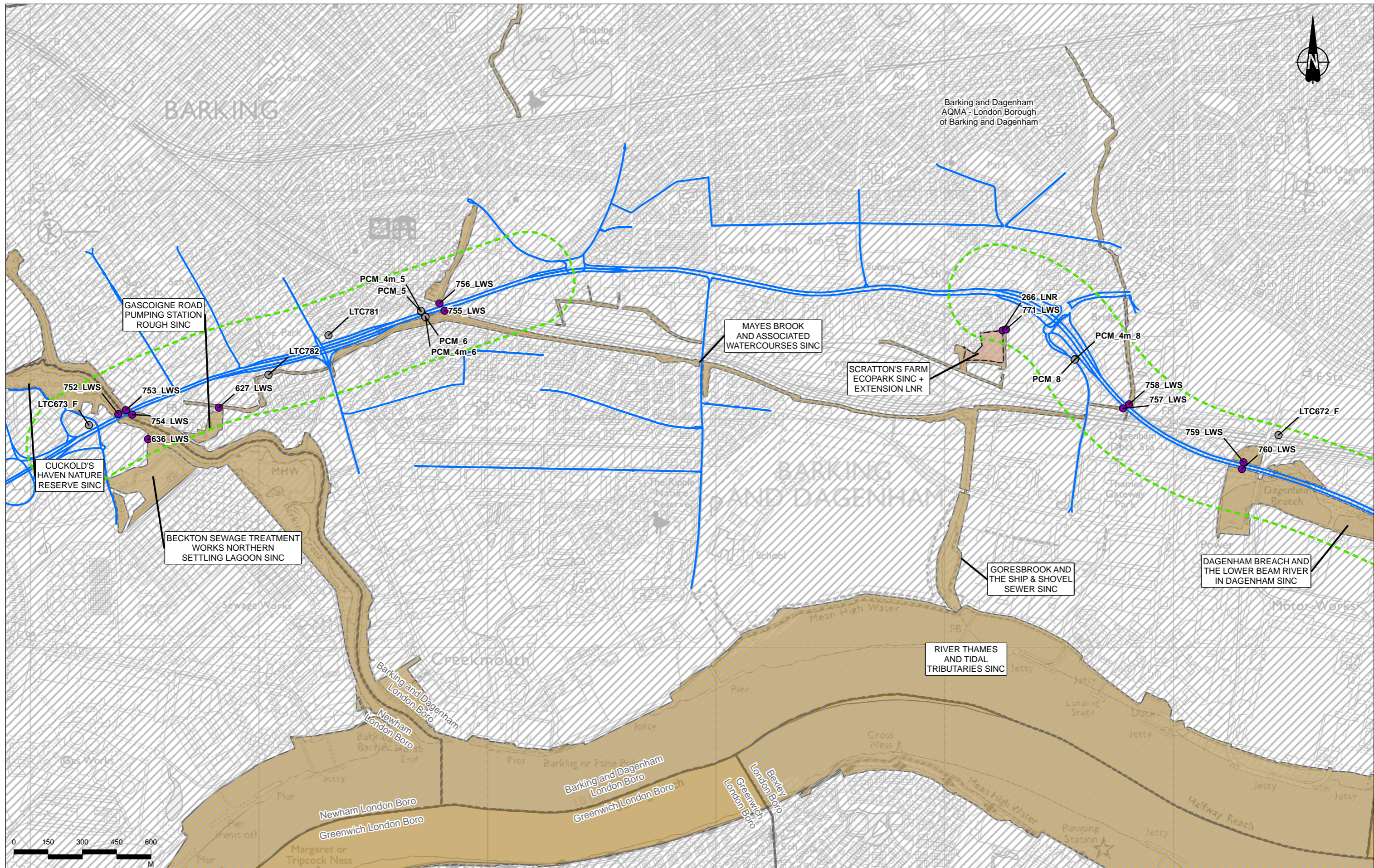
Client: national highways

Project: **LOWER THAMES CROSSING**

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	Page 52 of 83				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				







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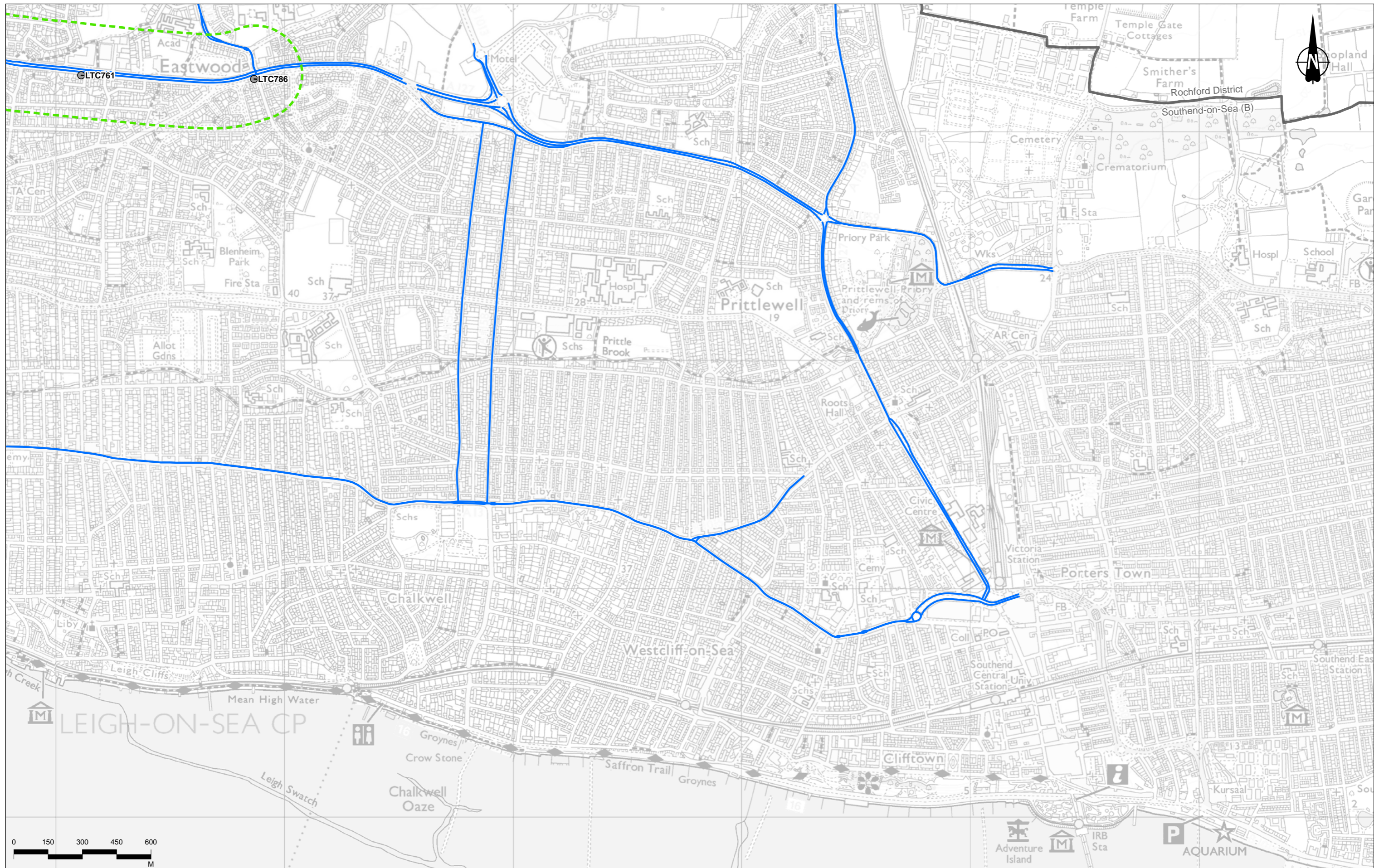
<b>Legend</b> Route Alignment Order Limits District Borough Boundary Study Area Operational Modelled Road Air Quality Management Area (AQMA)	Ancient Woodland (AW) Local Nature Reserve (LNR) Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) National Nature Reserve (NNR)	Ramsar Site (RAMSAR) Special Areas of Conservation (SAC) Sites of Special Scientific Interest (SSSI) Roadside Nature Reserve (RNR)	<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	<b>Operational Ecological Receptors</b> Ecological Receptor Epping Forest (SAC Gridded Receptor) Ecological Transects	Short-term AQS Objective Receptor
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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 55 of 83				
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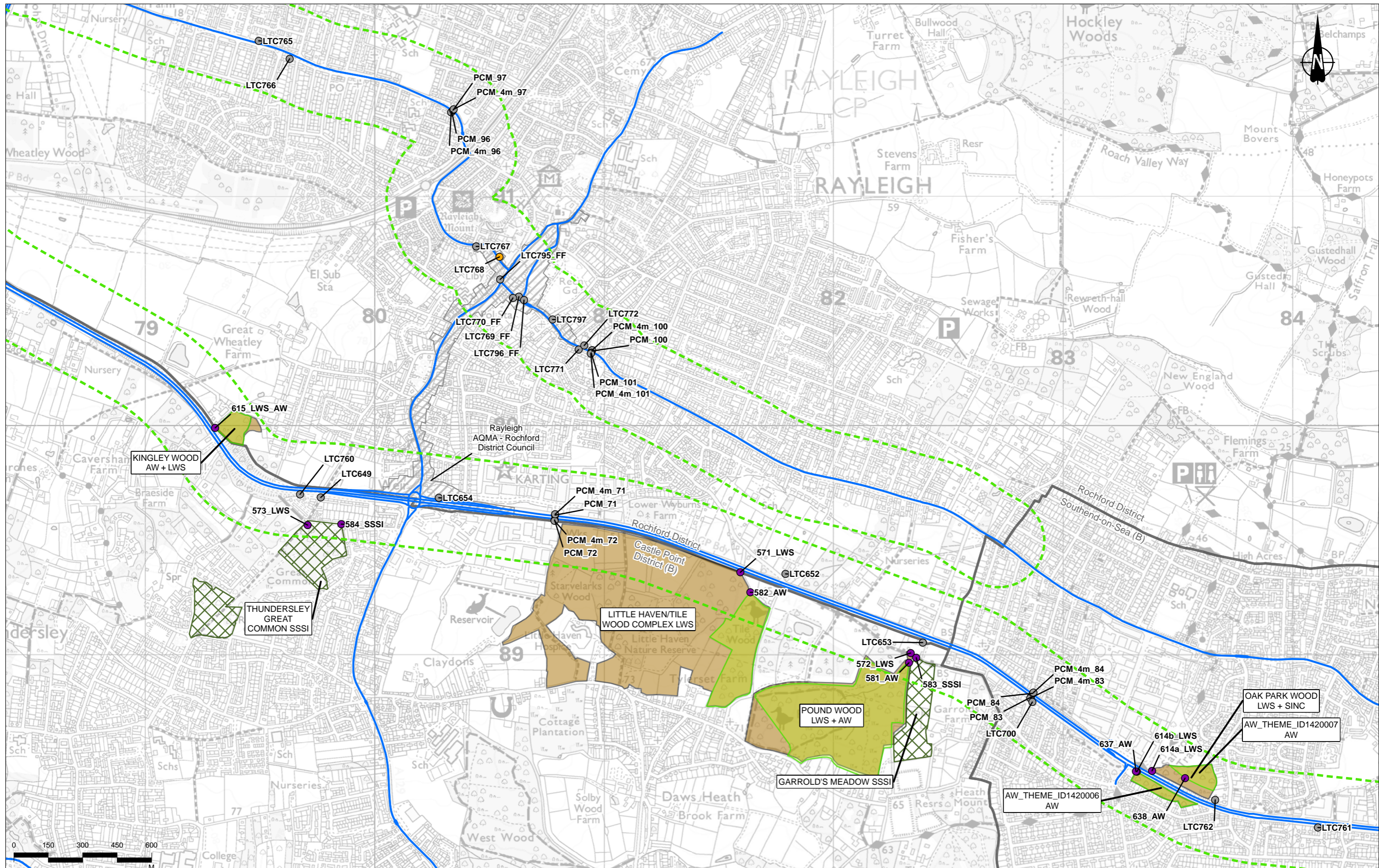
Legend	
Route Alignment	Ancient Woodland (AW)
Order Limits	Local Nature Reserve (LNR)
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
Operational Modelled Road	Roadside Nature Reserve (RNR)
Air Quality Management Area (AQMA)	National Nature Reserve (NNR)
Ramsar Site (RAMSAR)	Veteran Tree
Special Areas of Conservation (SAC)	Operational Human Receptors
Sites of Special Scientific Interest (SSSI)	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
Roadside Nature Reserve (RNR)	Imperceptible change
Veteran Tree	Perceptible decrease
Operational Human Receptors	Perceptible decrease > AQS objective
Project Change in Annual Mean NO <sub>2</sub> at Human Receptors	Perceptible increase
Imperceptible change	Perceptible increase > AQS objective
Perceptible decrease	Receptor Demolished with Project
Short-term AQS Objective Receptor	Ecological Receptor
Operational Ecological Receptors	Ecological Receptor
Ecological Receptor	Epping Forest (SAC Gridded Receptor)
Ecological Receptor	Ecological Transects
Epping Forest (SAC Gridded Receptor)	
Ecological Transects	



Client: national highways

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	Page 56 of 83				
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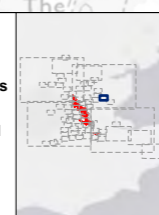


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**Legend**

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	Ecological Transects
Operational Modelled Road			Perceptible decrease		
Air Quality Management Area (AQMA)					

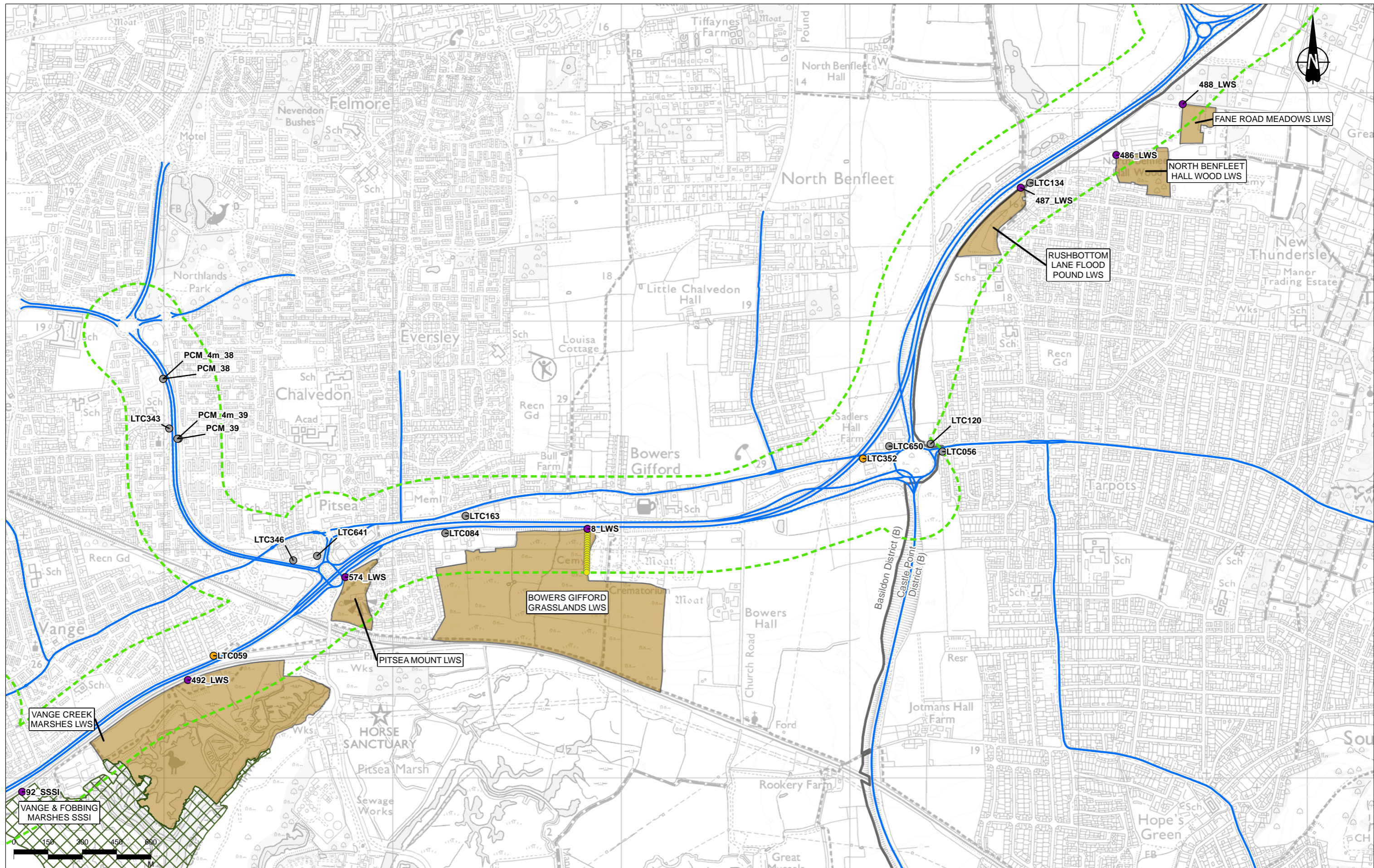


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	Page 57 of 83				
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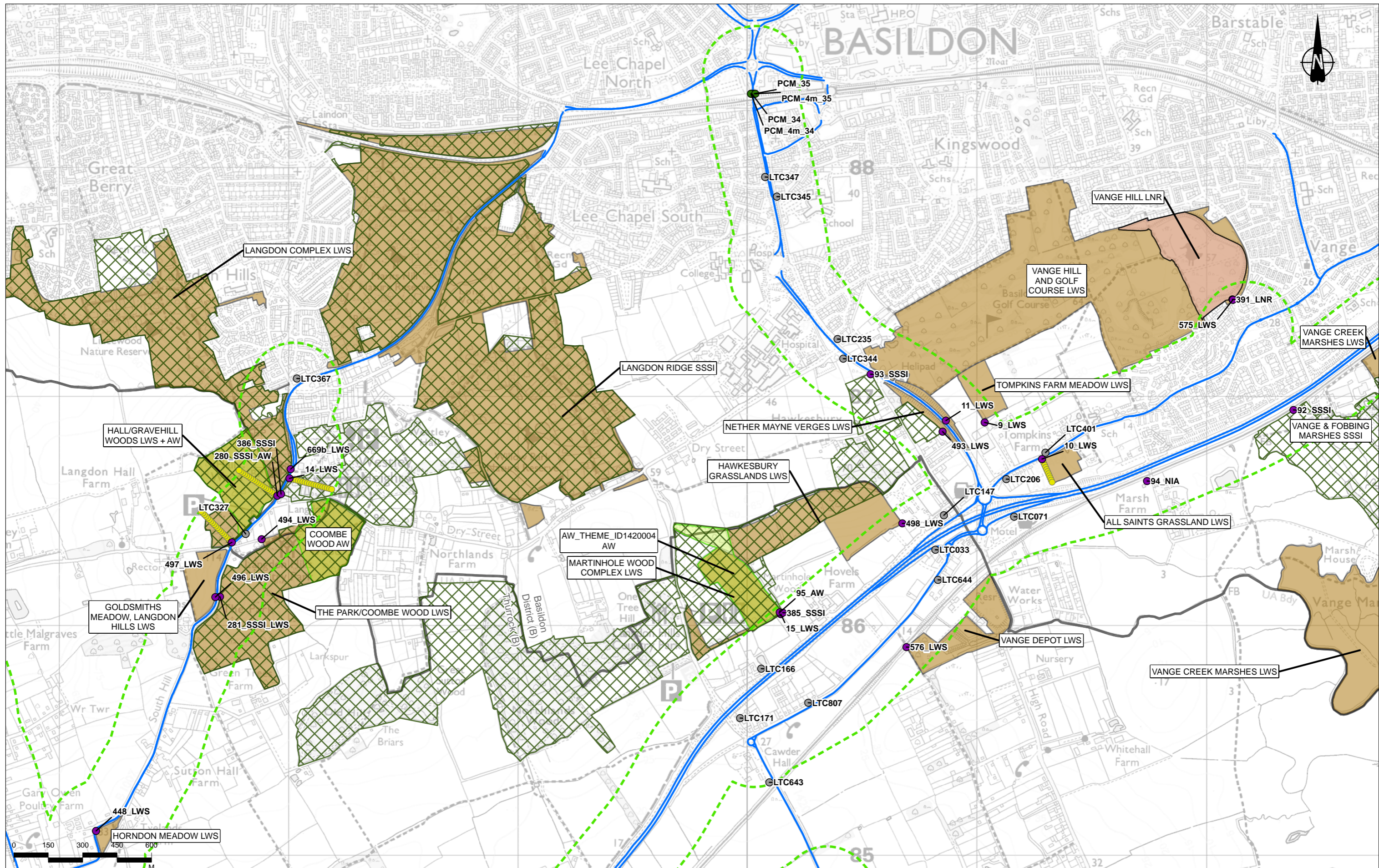
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Route Alignment	Ancient Woodland (AW)
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District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	National Nature Reserve (NNR)
Operational Modelled Road	Ramsar Site (RAMSAR)
Air Quality Management Area (AQMA)	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
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	Ecological Receptor
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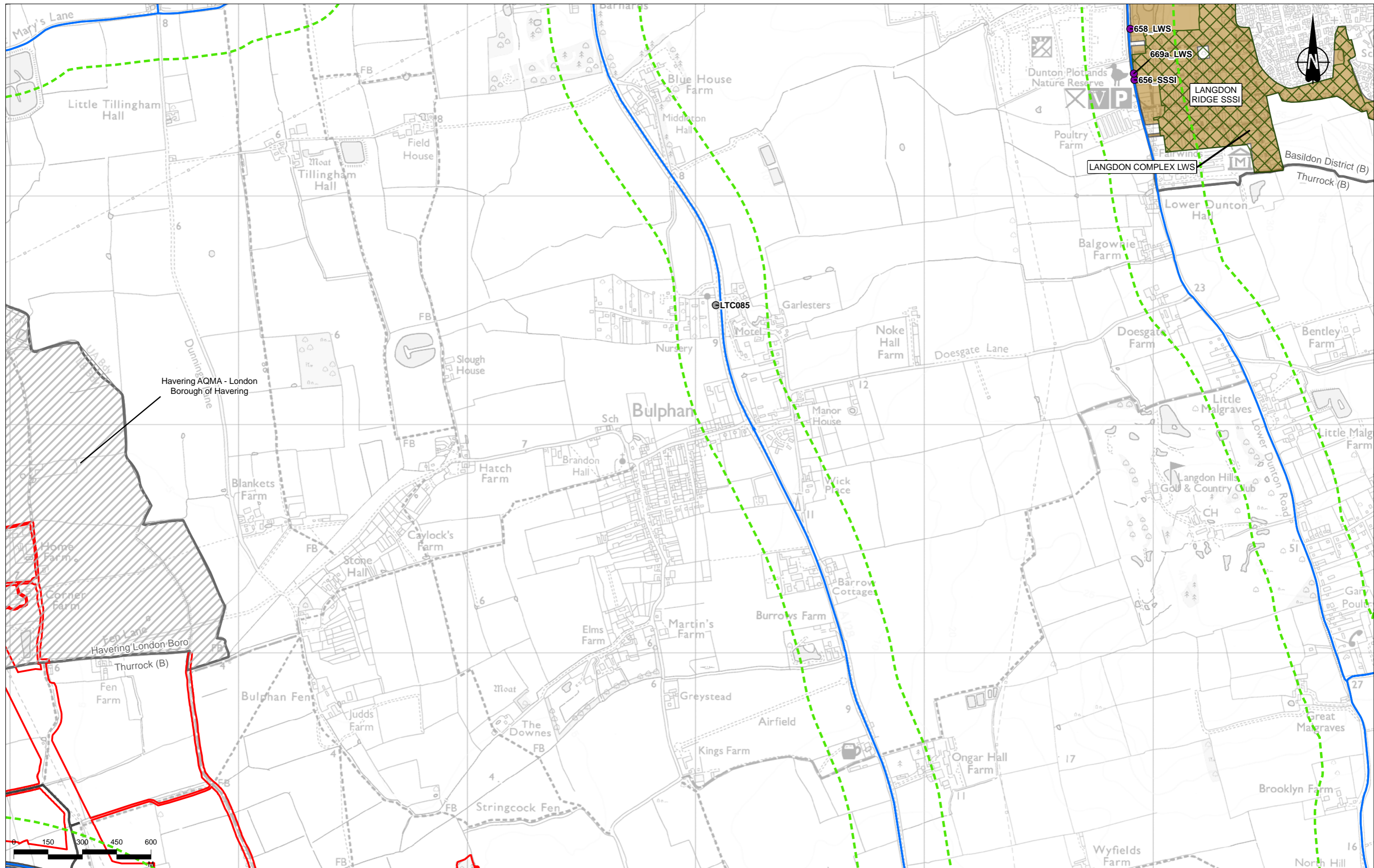
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P02	S2	19/10/2022	DCO Application	CD	MS	PM

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: national highways  
Project: LOWER THAMES CROSSING

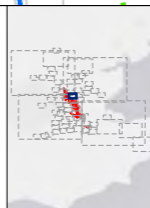
Status	DCO Application	Original Size	A3	Revision	P02
Application Document Number	TR010032/APP/6.2	Scale	1:15,000		
Drawing Title	Figure 5.6 - Operational Phase Receptors and Results				
	Page 59 of 83				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				



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P02	S2	19/10/2022	DCO Application	CD	MS	PM

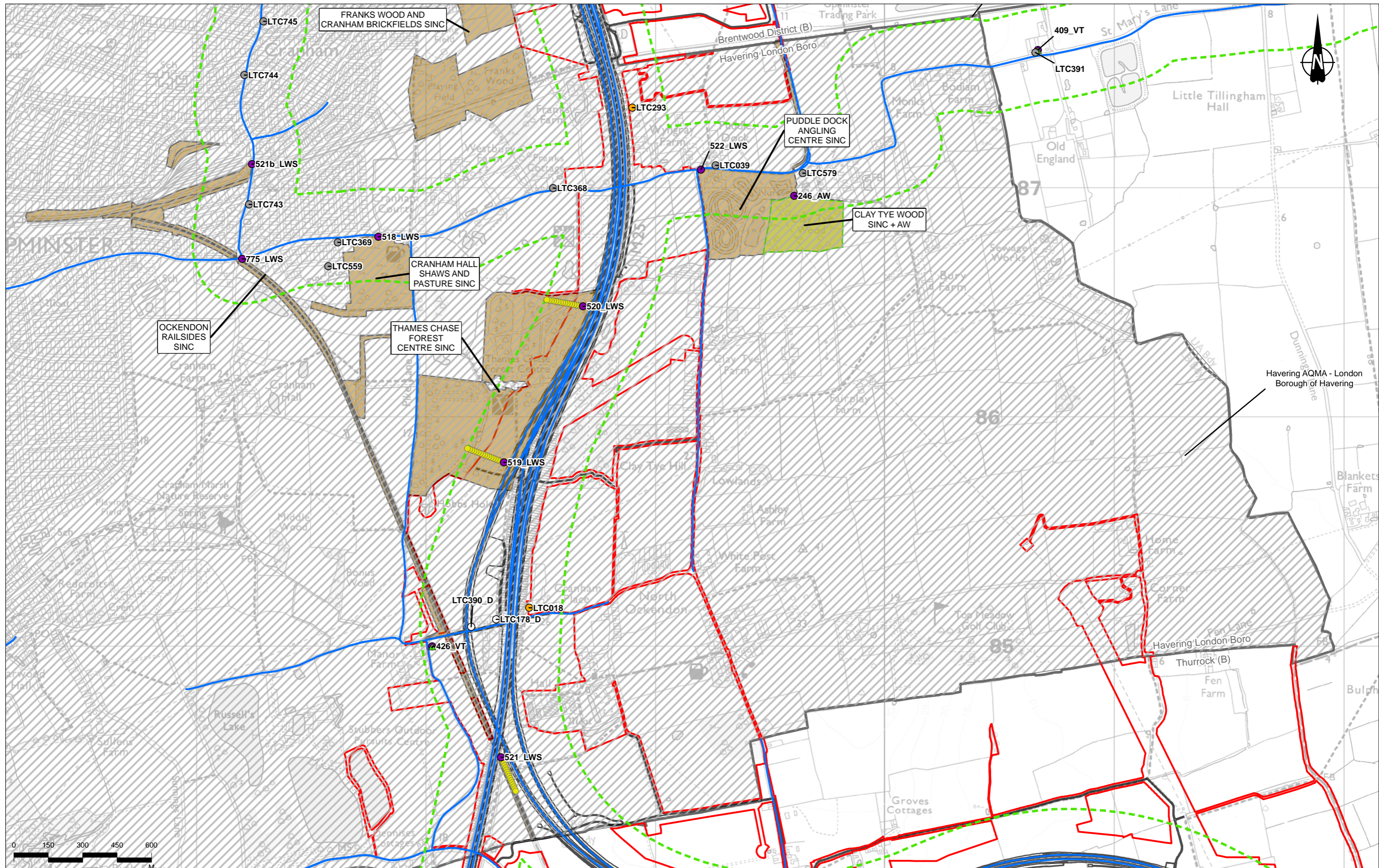
Legend	
Route Alignment	Ancient Woodland (AW)
Order Limits	Local Nature Reserve (LNR)
District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
Operational Modelled Road	Roadside Nature Reserve (RNR)
Air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



Client: national highways

Project: LOWER THAMES CROSSING

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	Page 60 of 83				
Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012				

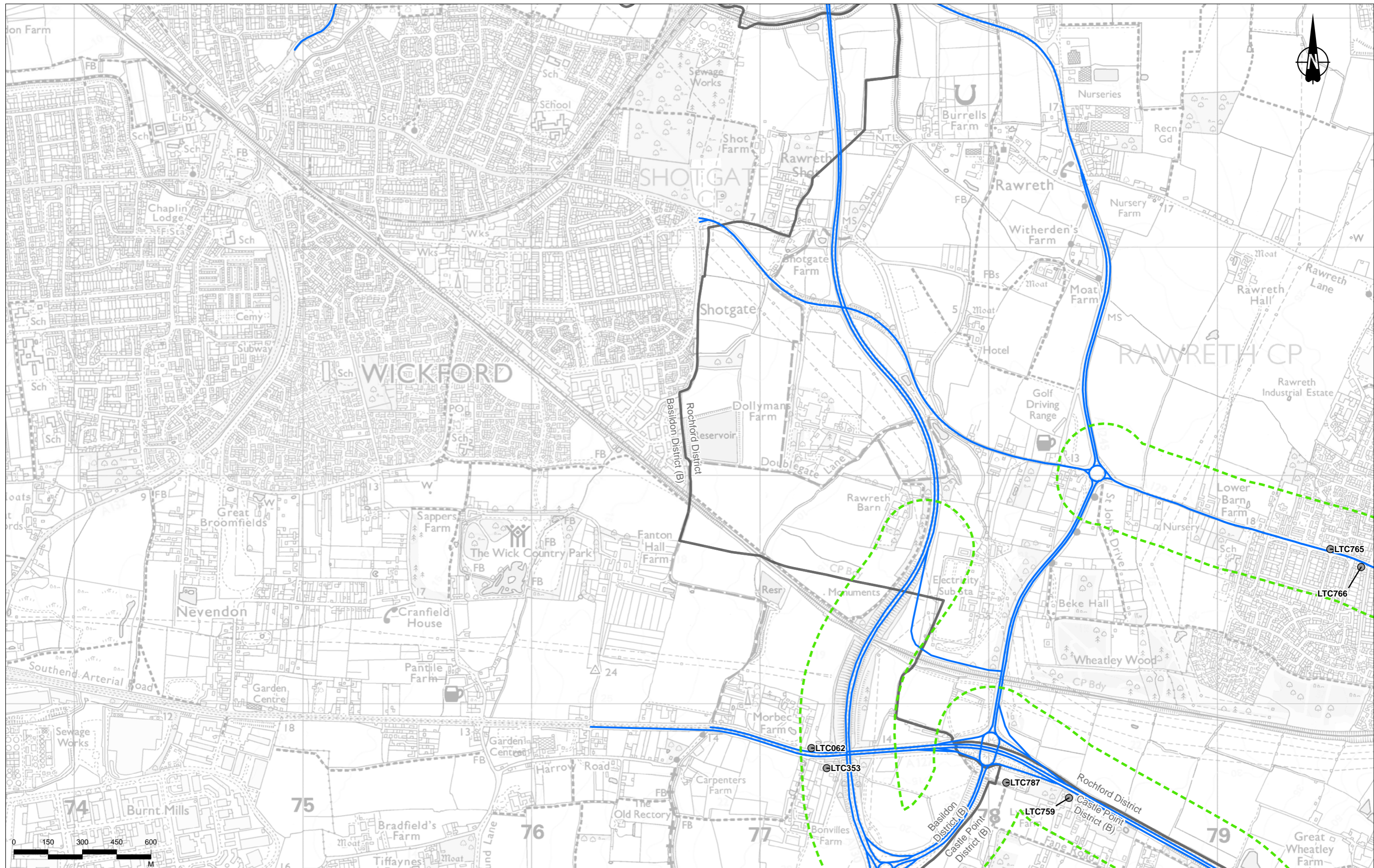


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
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Legend	
	Route Alignment
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	Client	DCO Application	Original Size	Revision
	Project	Application Document Number	A3	P02
<b>LOWER THAMES CROSSING</b>		Drawing Title	Figure 5.6 - Operational Phase Receptors and Results Page 61 of 83	
		Drawing Number	HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012	



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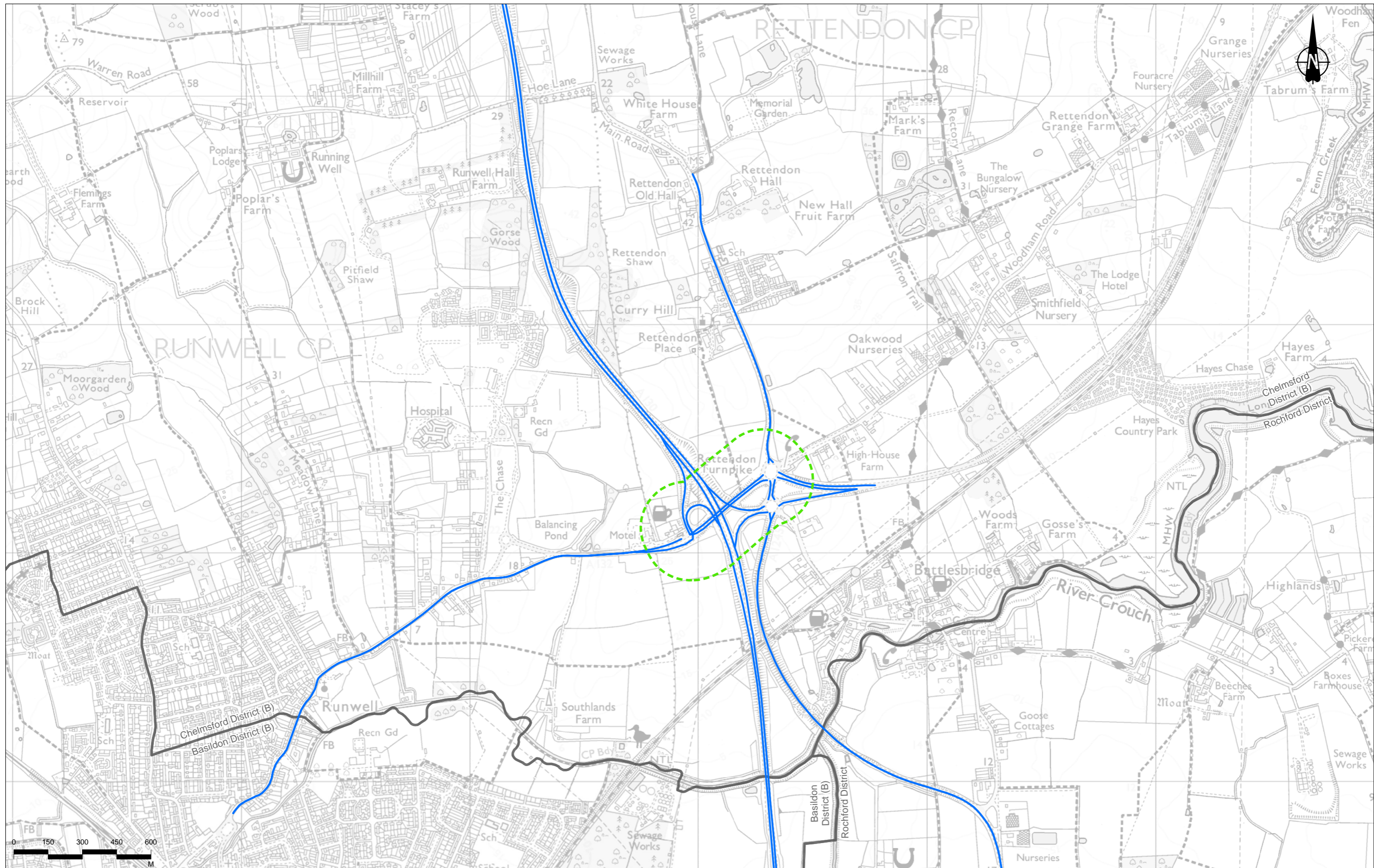
Legend	
Route Alignment	Ancient Woodland (AW)
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District Borough Boundary	Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC)
Study Area	Sites of Special Scientific Interest (SSSI)
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Air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



Client: national highways

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Status	DCO Application	Original Size	A3	Revision	P02
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	Page 62 of 83				
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Legend	
Route Alignment	Ancient Woodland (AW)
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Air Quality Management Area (AQMA)	Veteran Tree
Ramsar Site (RAMSAR)	<b>Veteran Human Receptors</b>
Special Areas of Conservation (SAC)	Project Change in Annual Mean NO <sub>2</sub> at Human Receptors
Sites of Special Scientific Interest (SSSI)	Imperceptible change
Roadside Nature Reserve (RNR)	Perceptible decrease
Veteran Tree	Perceptible decrease > AQS objective
Project Change in Annual Mean NO <sub>2</sub> at Human Receptors	Perceptible increase
Imperceptible change	Perceptible increase > AQS objective
Perceptible decrease	Receptor Demolished with Project
Perceptible decrease > AQS objective	Short-term AQS Objective Receptor
Perceptible increase	<b>Operational Ecological Receptors</b>
Perceptible increase > AQS objective	Ecological Receptor
Receptor Demolished with Project	Epping Forest (SAC Gridded Receptor)
Short-term AQS Objective Receptor	Ecological Transects



Client: national highways

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P02
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	Page 63 of 83				
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