

Lower Thames Crossing

6.2 Environmental Statement Figures

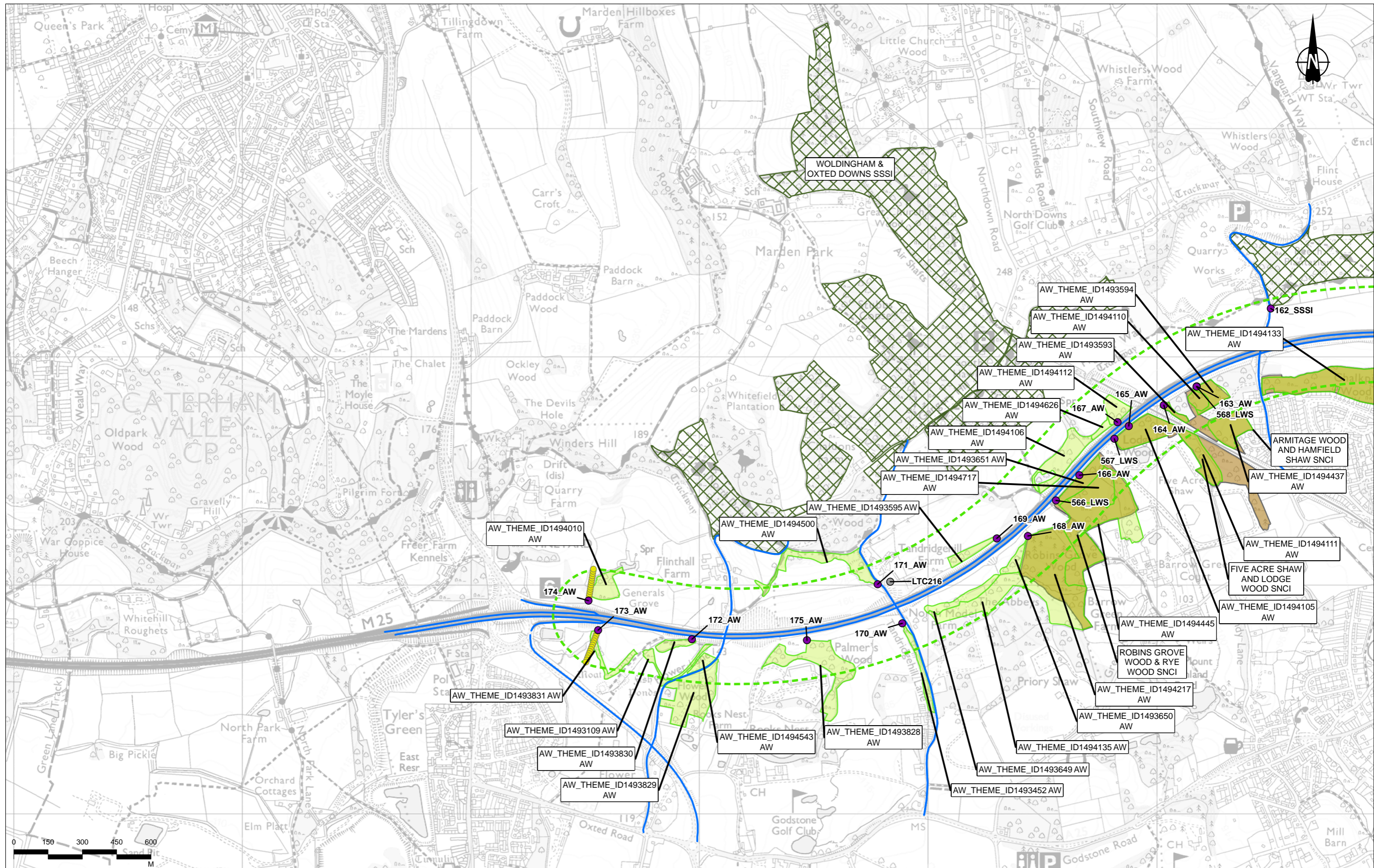
Figure 5.6 - Operational Phase Receptors and Results (2 of 4)

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 |

| 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) | 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 ₂ at Human Receptors | National Nature Reserve (NNR) |
| Imperceptible change | Perceptible decrease |
| Perceptible increase > AQS objective | Perceptible increase > AQS objective |
| Perceptible increase > AQS objective | Receptor Demolished with Project |
| Short-term AQS Objective Receptor | Ecological Receptors |
| Ecological Receptor | Epping Forest (SAC Gridded Receptor) |
| Ecological Receptor | Ecological Transects |

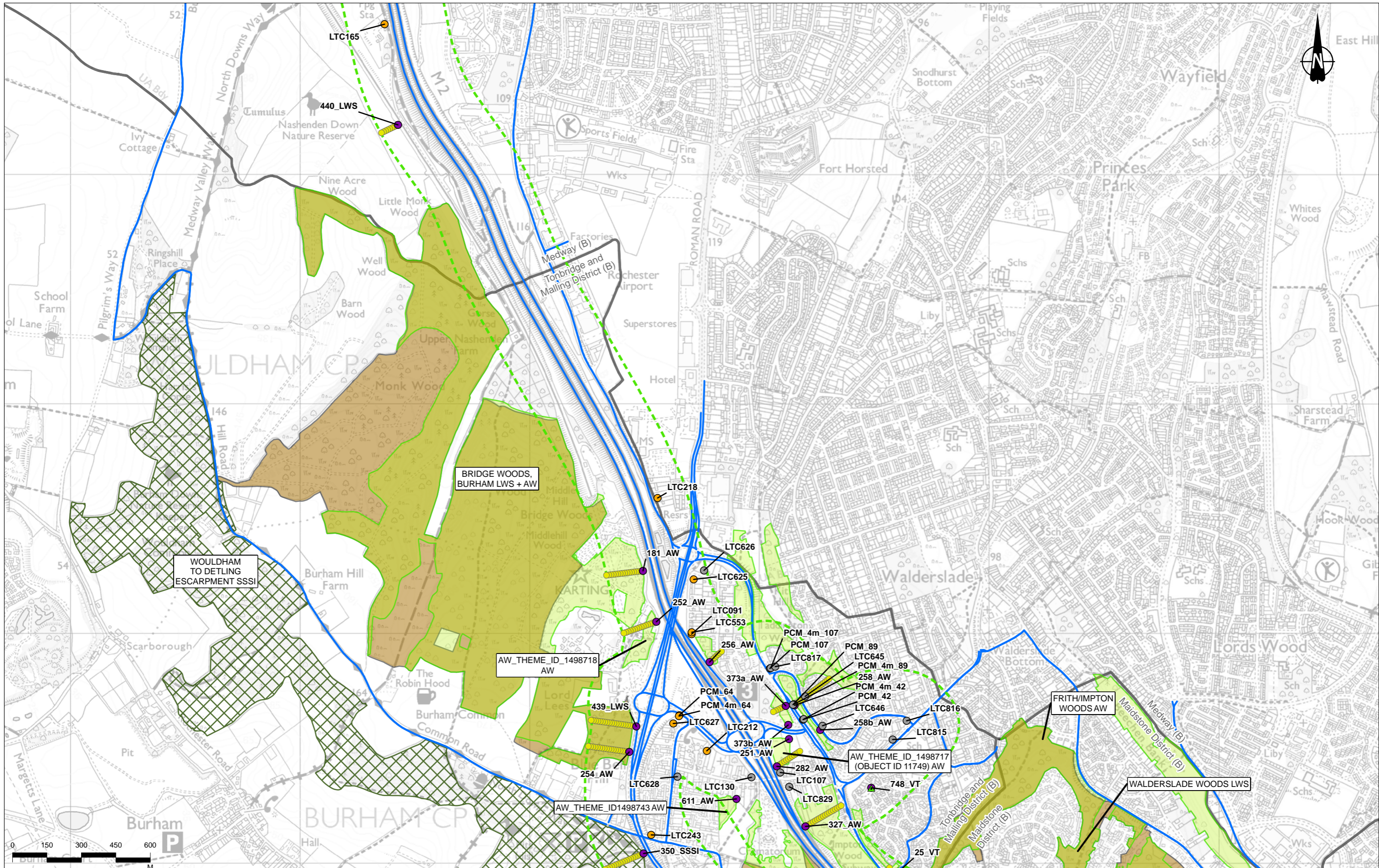


Client: national highways

Project: LOWER THAMES CROSSING

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|-----------------------------|--|---------------|----------|----------|-----|
| 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_EGNE0000000-DR-LE-50012 | | | | |

Page 22 of 83



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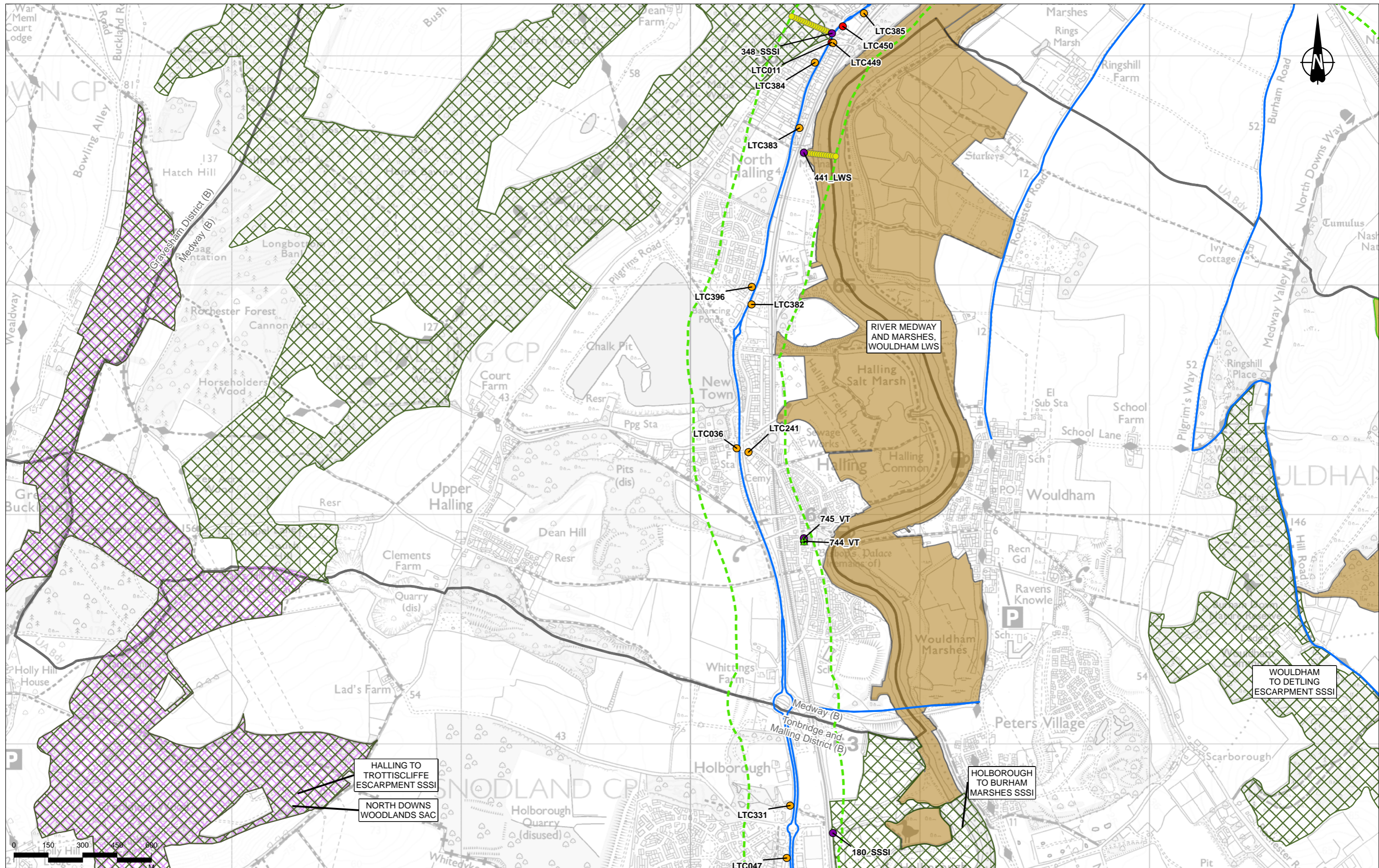
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| <ul style="list-style-type: none"> Route Alignment Order Limits District Borough Boundary Study Area Operational Modelled Road Air Quality Management Area (AQMA) | <ul style="list-style-type: none"> Ancient Woodland (AW) Local Nature Reserve (LNR) 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) | <ul style="list-style-type: none"> Veteran Tree Operational Human Receptors Project Change in Annual Mean NO₂ at Human Receptors Imperceptible change Perceptible decrease | <ul style="list-style-type: none"> 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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| | Page 23 of 83 | | | | |
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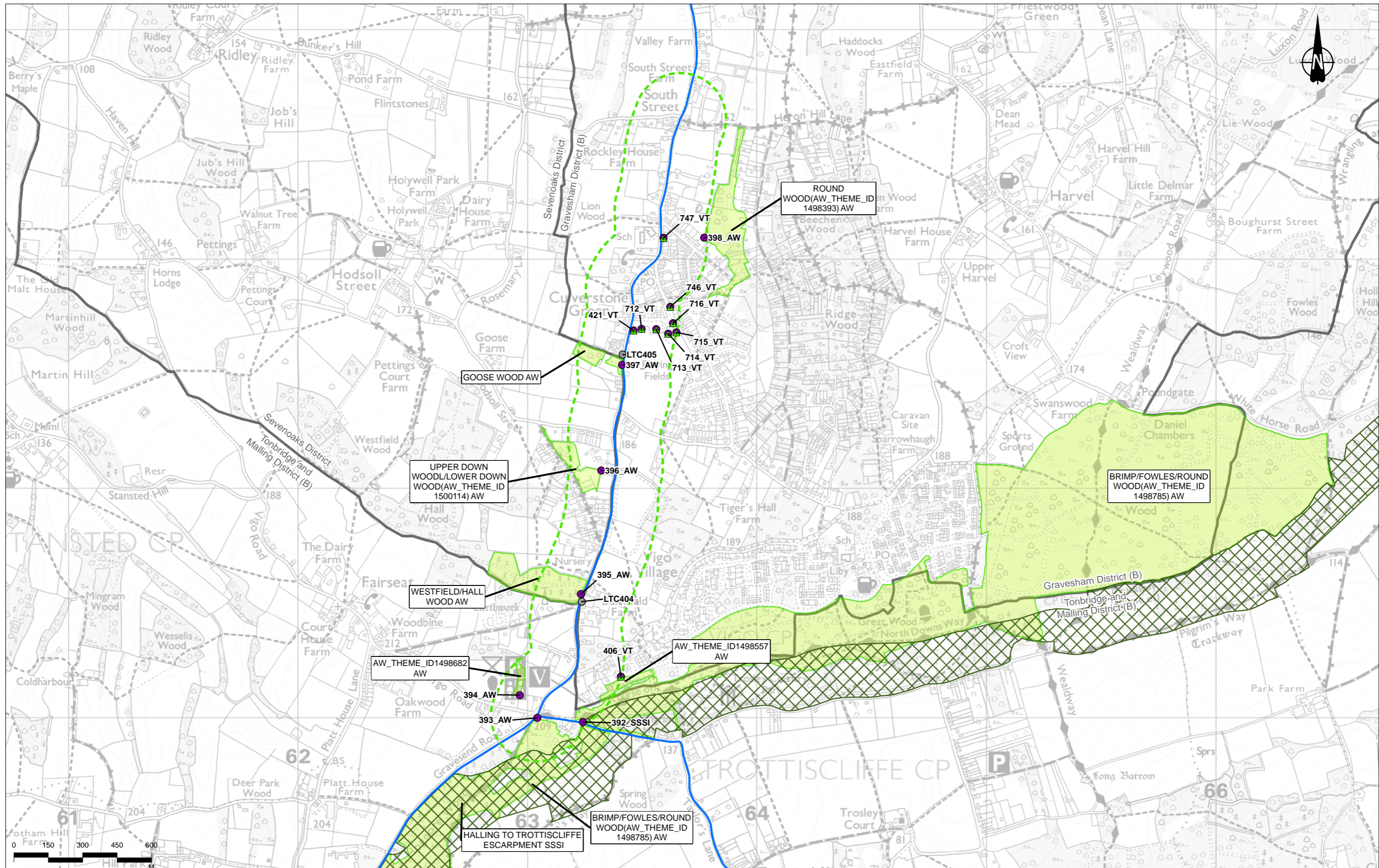
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|-----|--------|------------|---------------------|-------|------|--------|
| P02 | S2 | 19/10/2022 | DCO Application | CD | MS | PM |

| 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 ₂ 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 | | | | |
| | Page 24 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | | | |

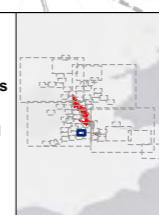


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Legend

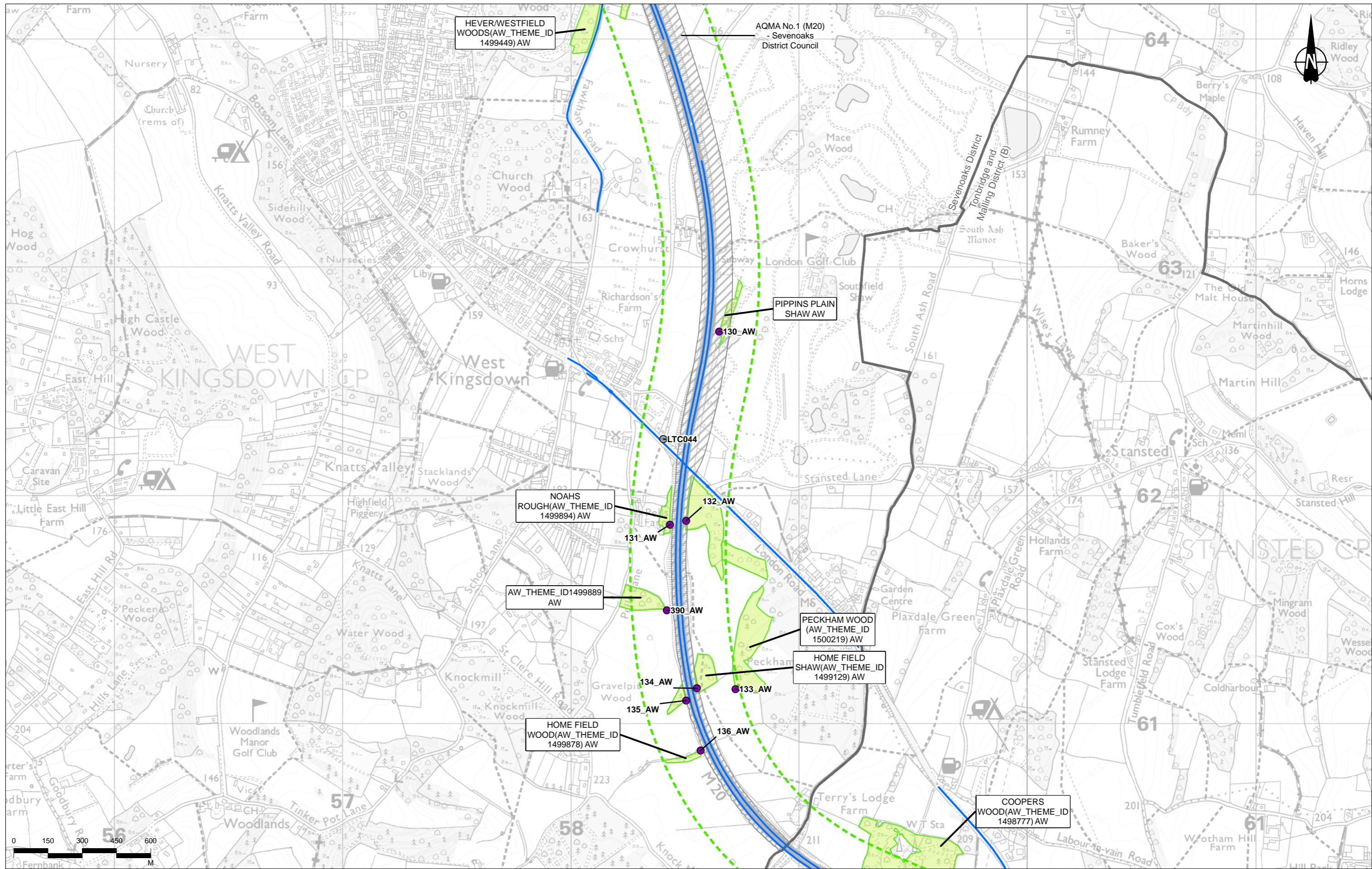
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|------------------------------------|---|---|--|--------------------------------------|--------------------------------------|
| Route Alignment | Ancient Woodland (AW) | Ramsar Site (RAMSAR) | Veteran Tree | Perceptible decrease > AQS objective | 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 ₂ 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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| 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 25 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | | | |



HEVER/WESTFIELD WOODS(AW_THEME_ID 1499449) AW

AQMA No.1 (M20) - Sevenoaks District Council

PIPPINS PLAIN SHAW AW

NOAHS ROUGH(AW_THEME_ID 1499894) AW

PECKHAM WOOD (AW_THEME_ID 1500219) AW

AW_THEME_ID1499889 AW

HOME FIELD SHAW(AW_THEME_ID 1499129) AW

HOME FIELD WOOD(AW_THEME_ID 1499878) AW

COOPERS WOOD(AW_THEME_ID 1498777) AW

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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 ₂ 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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|--|--|
| | Veteran Tree |
| | Operational Human Receptors |
| | Project Change in Annual Mean NO ₂ 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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| | Veteran Tree |
| | Operational Human Receptors |
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| | Perceptible increase > AQS objective |
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| | Veteran Tree |
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| | Operational Ecological Receptors |
| | Ecological Receptor |
| | Epping Forest (SAC Gridded Receptor) |
| | Ecological Transects |

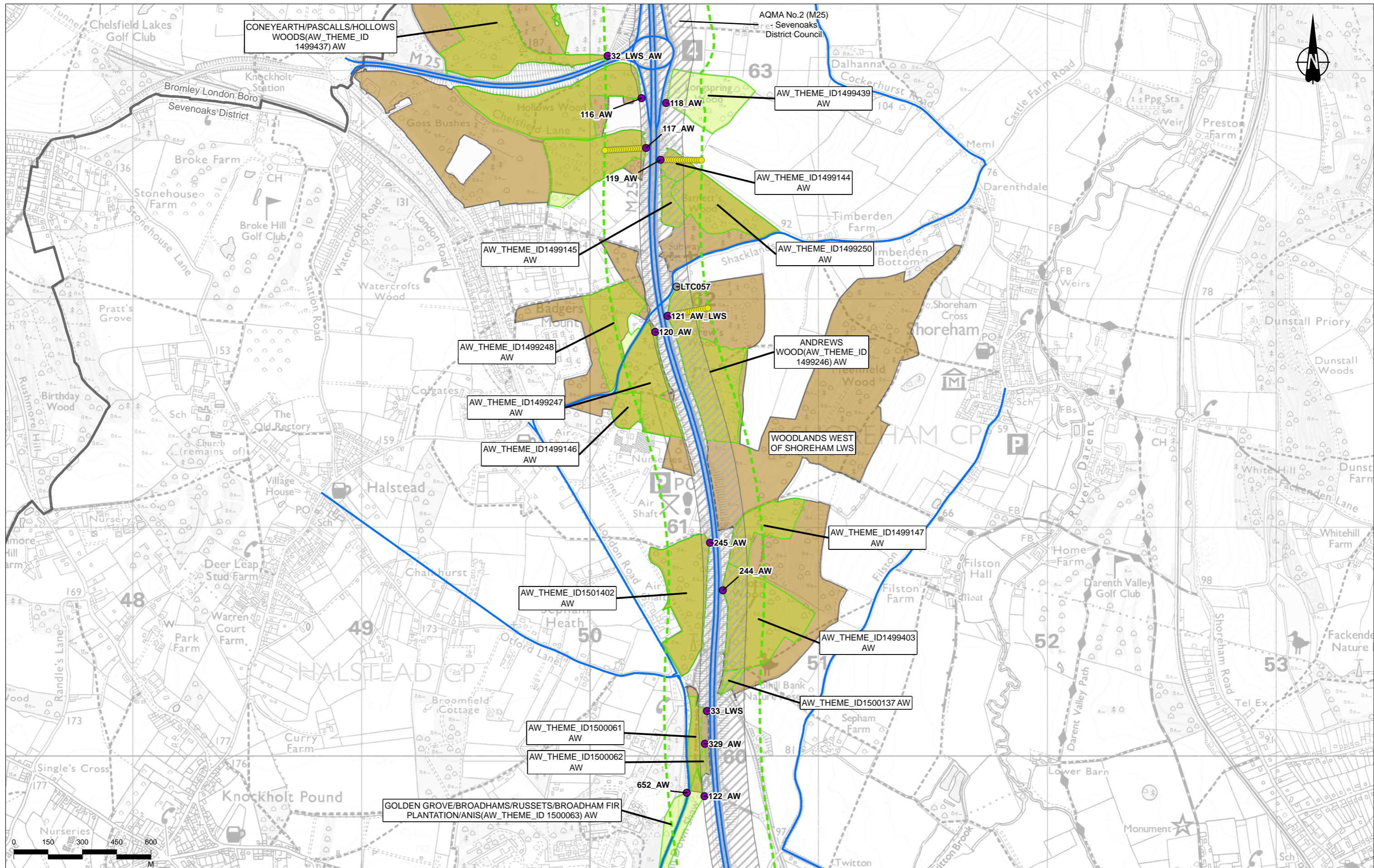
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| | Veteran Tree |
| | Operational Human Receptors |
| | Project Change in Annual Mean NO ₂ at Human Receptors |
| | Imperceptible change |
| | Perceptible decrease |
| | Perceptible decrease > AQS objective |
| | Perceptible increase |
| | Perceptible 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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| | Veteran Tree |
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| | Ecological Receptor |
| | Epping Forest (SAC Gridded Receptor) |
| | Ecological Transects |

Client: national highways

Project: LOWER THAMES CROSSING

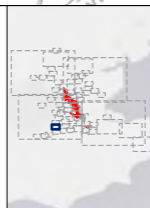
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| Status | DCO Application | Original Size | A3 | Revision | P02 |
| Application Document Number | TR010032/APP/6.2 | Scale | 1:15,000 | | |
| Drawing Title | Figure 5.6 - Operational Phase Receptors and Results | | | | |
| | Page 26 of 83 | | | | |
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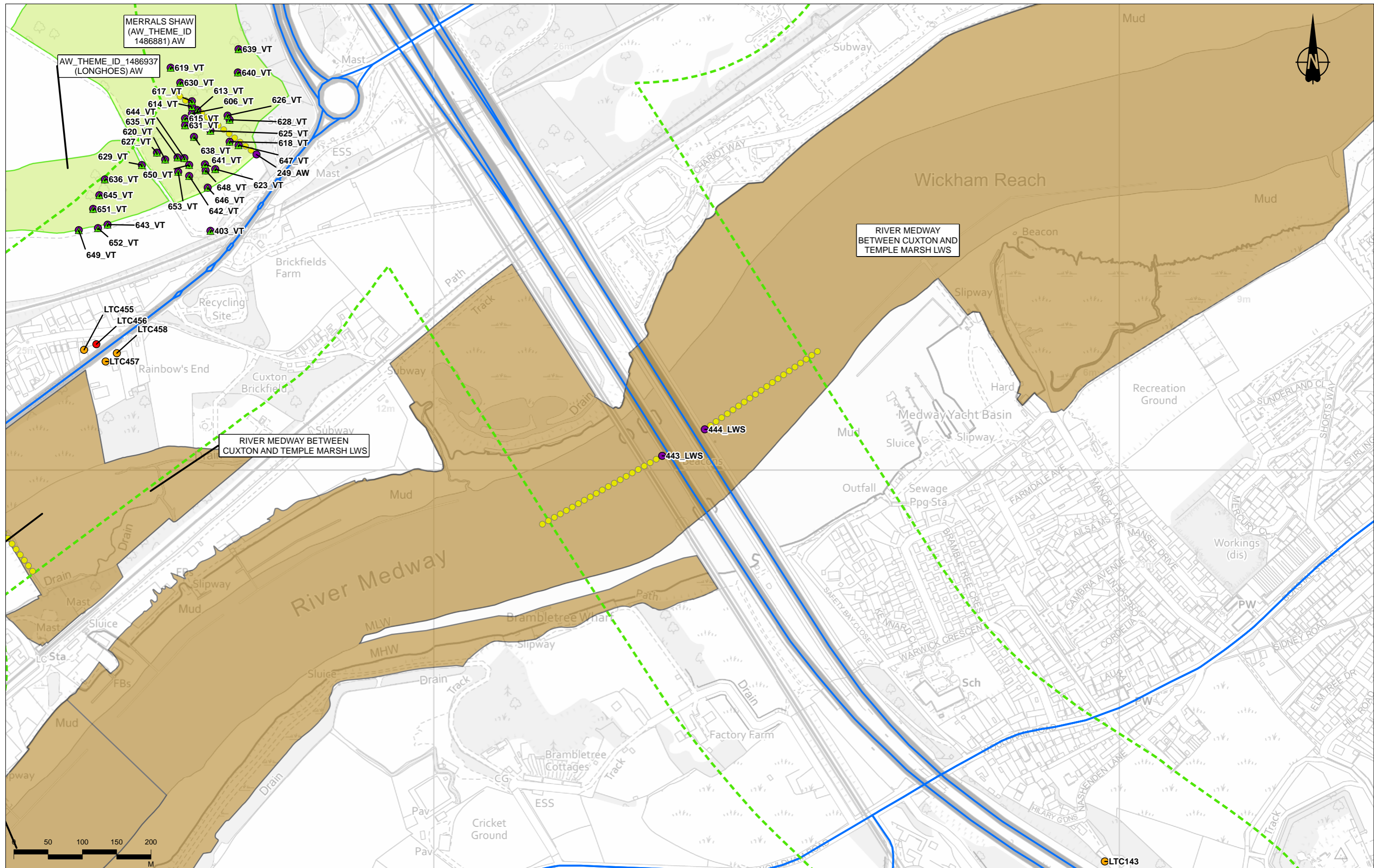
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| Order Limits | Local Nature Reserve (LNR) |
| District Borough Boundary | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) |
| Study Area | Special Areas of Conservation (SAC) |
| Operational Modelled Road | Sites of Special Scientific Interest (SSSI) |
| Air Quality Management Area (AQMA) | Roadside Nature Reserve (RNR) |
| Veteran Tree | Operational Human Receptors |
| Project Change in Annual Mean NO ₂ 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 |
| Ecological Receptor | Operational Ecological Receptors |
| Epping Forest (SAC Gridded Receptor) | Ecological Receptor |
| Ecological Transects | Ecological Transects |



Client: national highways

Project: LOWER THAMES CROSSING

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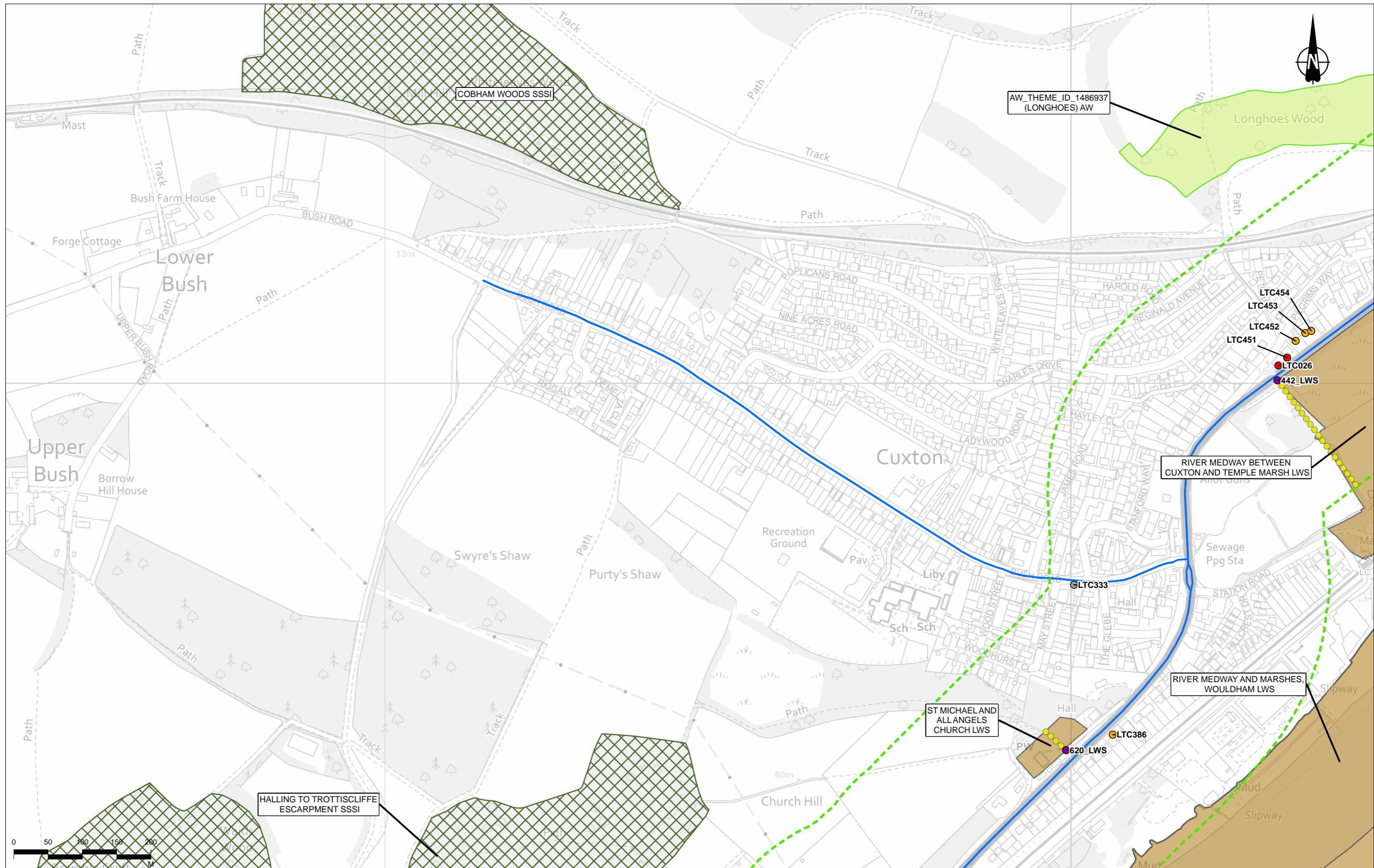
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| Order Limits | Local Nature Reserve (LNR) |
| District Borough Boundary | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) |
| Study Area | Sites of Special Scientific Interest (SSSI) |
| Operational Modelled Road | Roadside 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 ₂ at Human Receptors |
| Sites of Special Scientific Interest (SSSI) | Imperceptible change |
| National Nature Reserve (NNR) | Perceptible decrease |
| National Nature Reserve (NNR) | Perceptible decrease > AQS objective |
| National Nature Reserve (NNR) | Perceptible increase |
| National Nature Reserve (NNR) | Perceptible increase > AQS objective |
| National Nature Reserve (NNR) | Receptor Demolished with Project |
| National Nature Reserve (NNR) | Short-term AQS Objective Receptor |
| National Nature Reserve (NNR) | Ecological Receptor |
| National Nature Reserve (NNR) | Epping Forest (SAC Gridded Receptor) |
| National Nature Reserve (NNR) | Ecological Transects |



Client: national highways

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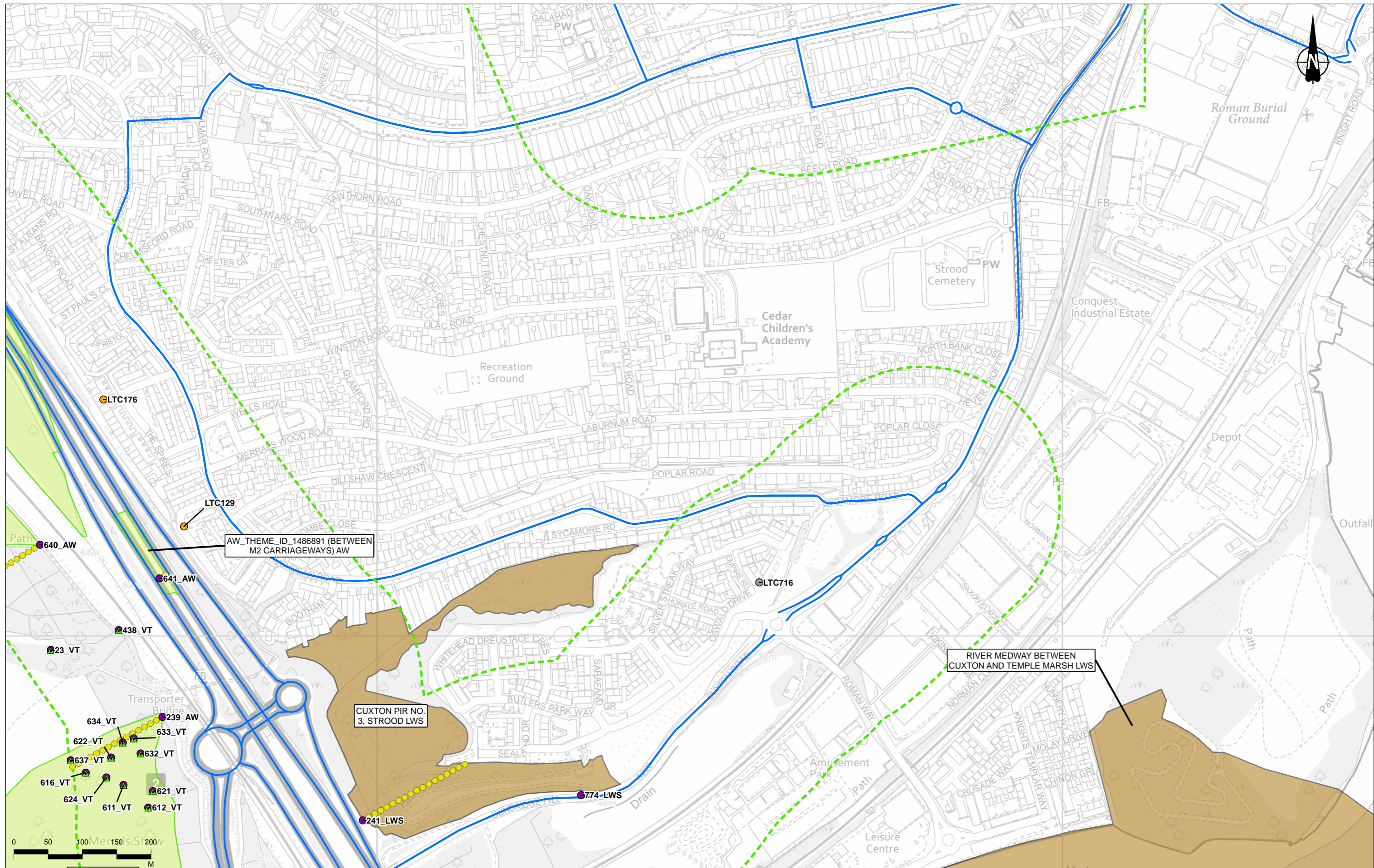
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| | Route Alignment |
| | Order Limits |
| | District Borough Boundary |
| | Study Area |
| | Operational Modelled Road |
| | Air Quality Management Area (AQMA) |
| | Ancient Woodland (AW) |
| | Local Nature Reserve (LNR) |
| | Local Wildlife Site (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 ₂ 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

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| Page 29 of 83 | | | | | |



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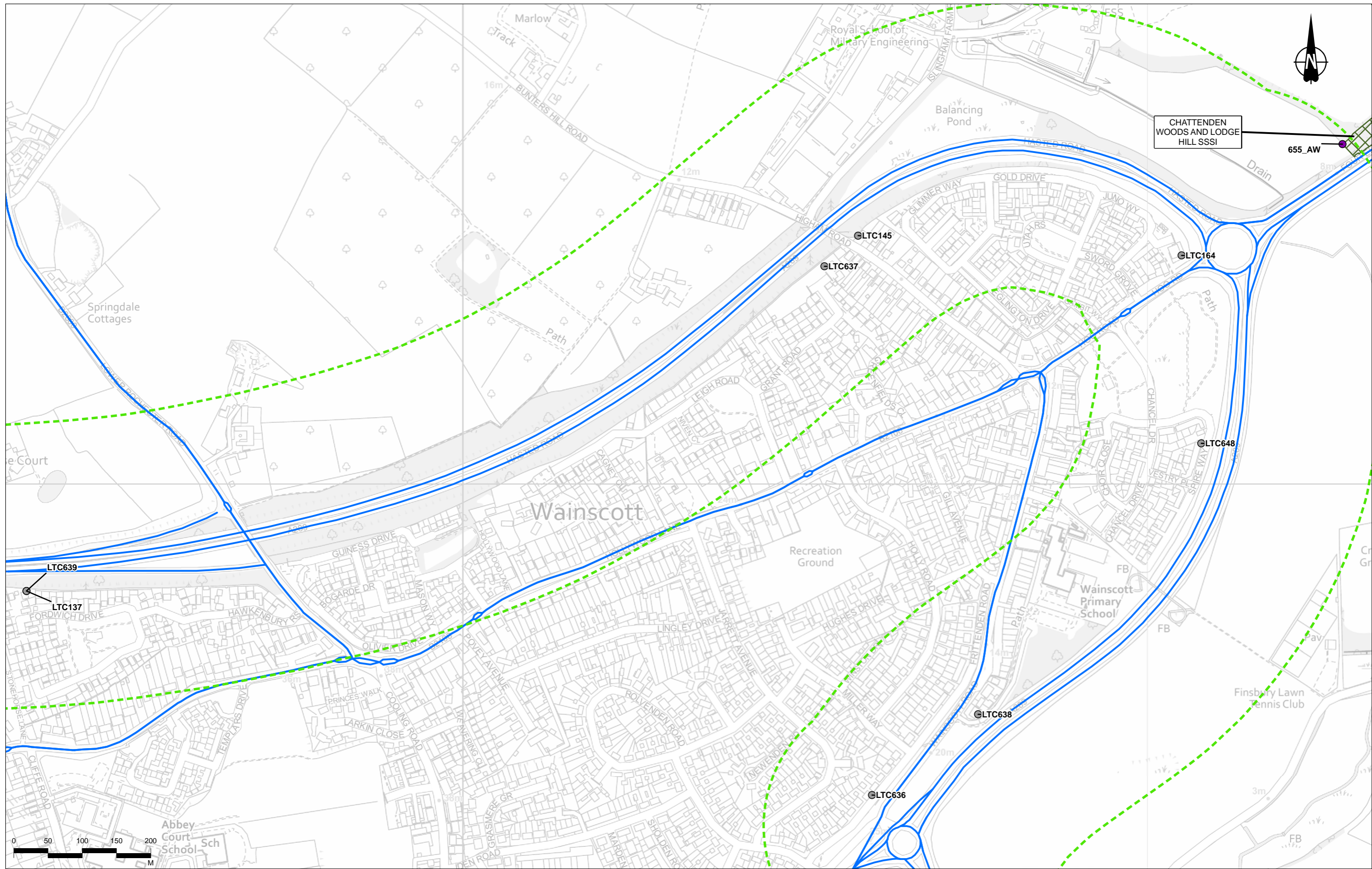
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| Route Alignment | Ancient Woodland (AW) |
| Order Limits | Local Nature Reserve (LNR) |
| District Borough Boundary | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) |
| Study Area | National Nature Reserve (NNR) |
| Operational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



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| | Page 30 of 83 | | | | |
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Legend

| | | |
|------------------------------------|---|--|
| Route Alignment | Ancient Woodland (AW) | Ramsar Site (RAMSAR) |
| Order Limits | Local Nature Reserve (LNR) | Veteran Tree |
| District Borough Boundary | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) | Operational Human Receptors |
| Study Area | National Nature Reserve (NNR) | Project Change in Annual Mean NO ₂ at Human Receptors |
| Operational Modelled Road | | Imperceptible change |
| Air Quality Management Area (AQMA) | | 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 |

| | |
|--|---|
| Operational Human Receptors | Sites of Special Scientific Interest (SSSI) |
| Project Change in Annual Mean NO ₂ at Human Receptors | Roadside Nature Reserve (RNR) |

| | |
|--|---|
| Veteran Tree | Sites of Special Scientific Interest (SSSI) |
| Project Change in Annual Mean NO ₂ at Human Receptors | Roadside Nature Reserve (RNR) |

| | |
|--|---|
| Veteran Tree | Sites of Special Scientific Interest (SSSI) |
| Project Change in Annual Mean NO ₂ at Human Receptors | Roadside Nature Reserve (RNR) |

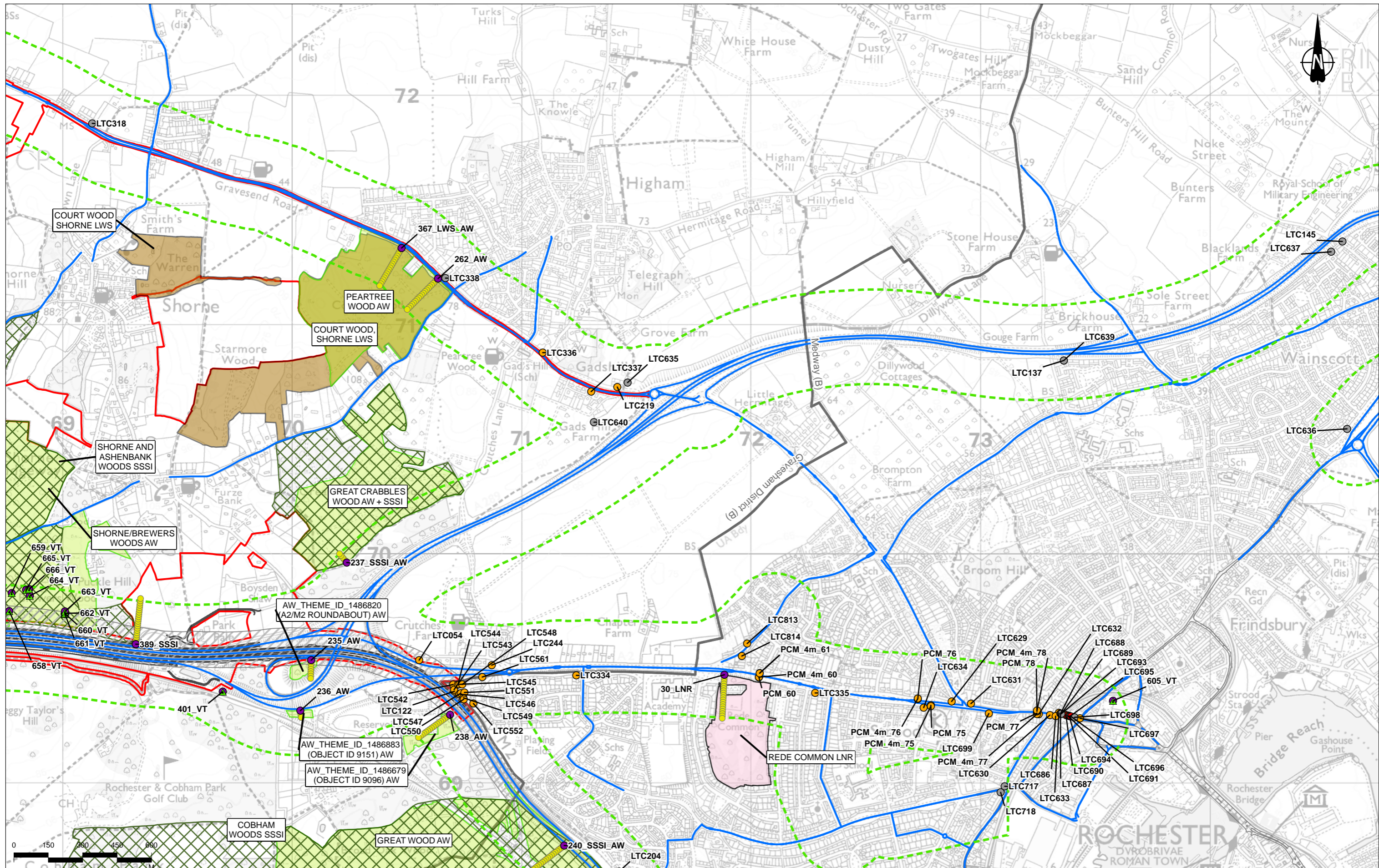
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| Veteran Tree | Sites of Special Scientific Interest (SSSI) |
| Project Change in Annual Mean NO ₂ at Human Receptors | Roadside Nature Reserve (RNR) |



Client: national highways

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| Drawing Title | Figure 5.6 - Operational Phase Receptors and Results | | | | |
| | Page 31 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | | | |



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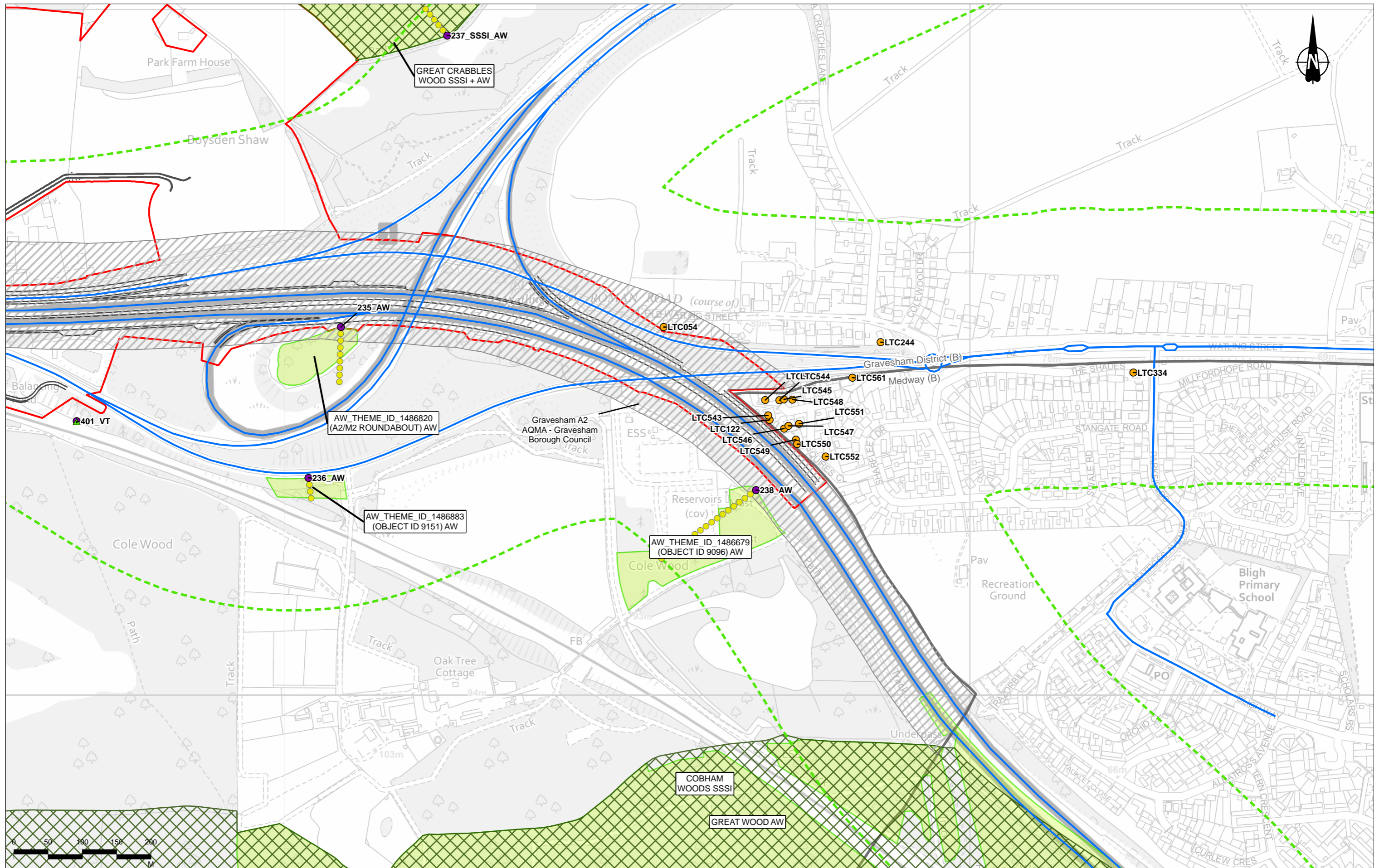
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| | District Borough Boundary |
| | Study Area |
| | Operational Modelled Road |
| | Air Quality Management Area (AQMA) |
| | Ancient Woodland (AW) |
| | Local Nature Reserve (LNR) |
| | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (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 ₂ 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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|-----------------------------|--|---------------|----------|----------|-----|
| 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_EGNE0000000-DR-LE-50012 | | | | |



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

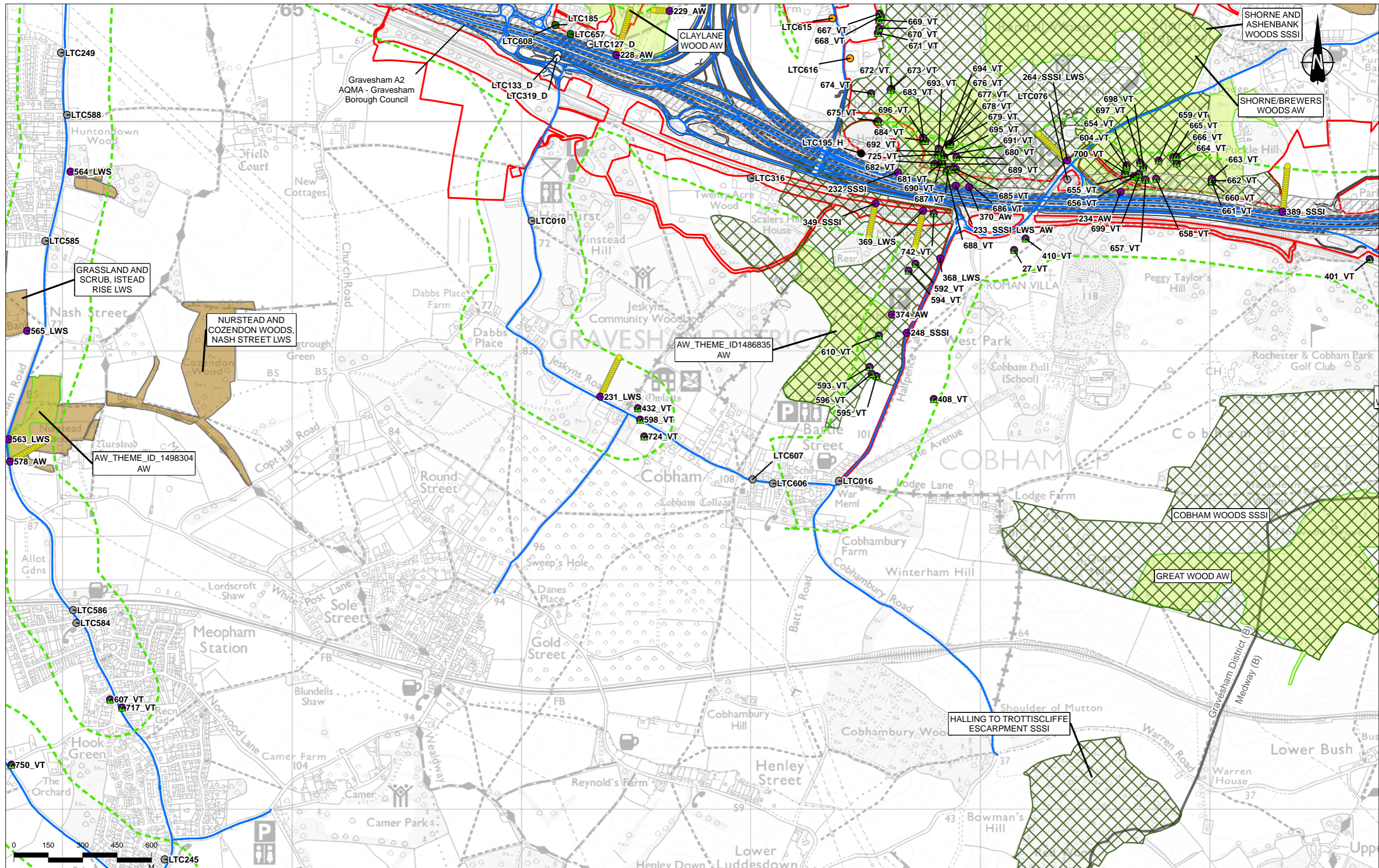
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| Route Alignment | Ancient Woodland (AW) |
| Order Limits | Local Nature Reserve (LNR) |
| District Borough Boundary | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) |
| Study Area | Sites of Special Scientific Interest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

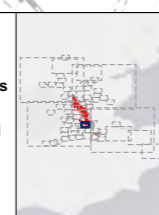
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| Drawing Title | Figure 5.6 - Operational Phase Receptors and Results | | | | |
| | Page 33 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | | | |



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

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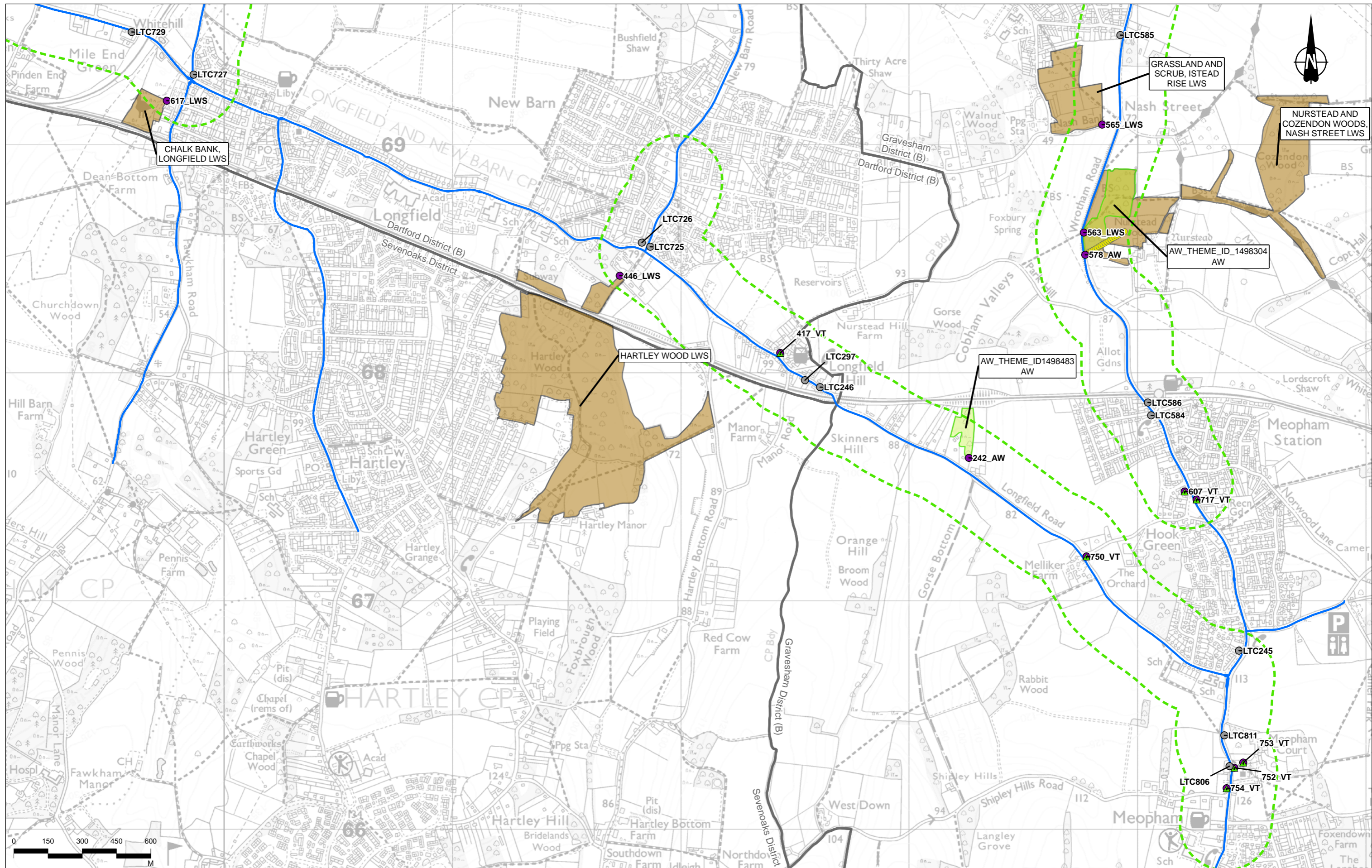
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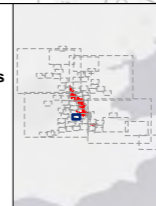
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| Drawing Title | Figure 5.6 - Operational Phase Receptors and Results | | | | |
| | Page 34 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE00000000-DR-LE-50012 | | | | |



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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 | 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 ₂ 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 |

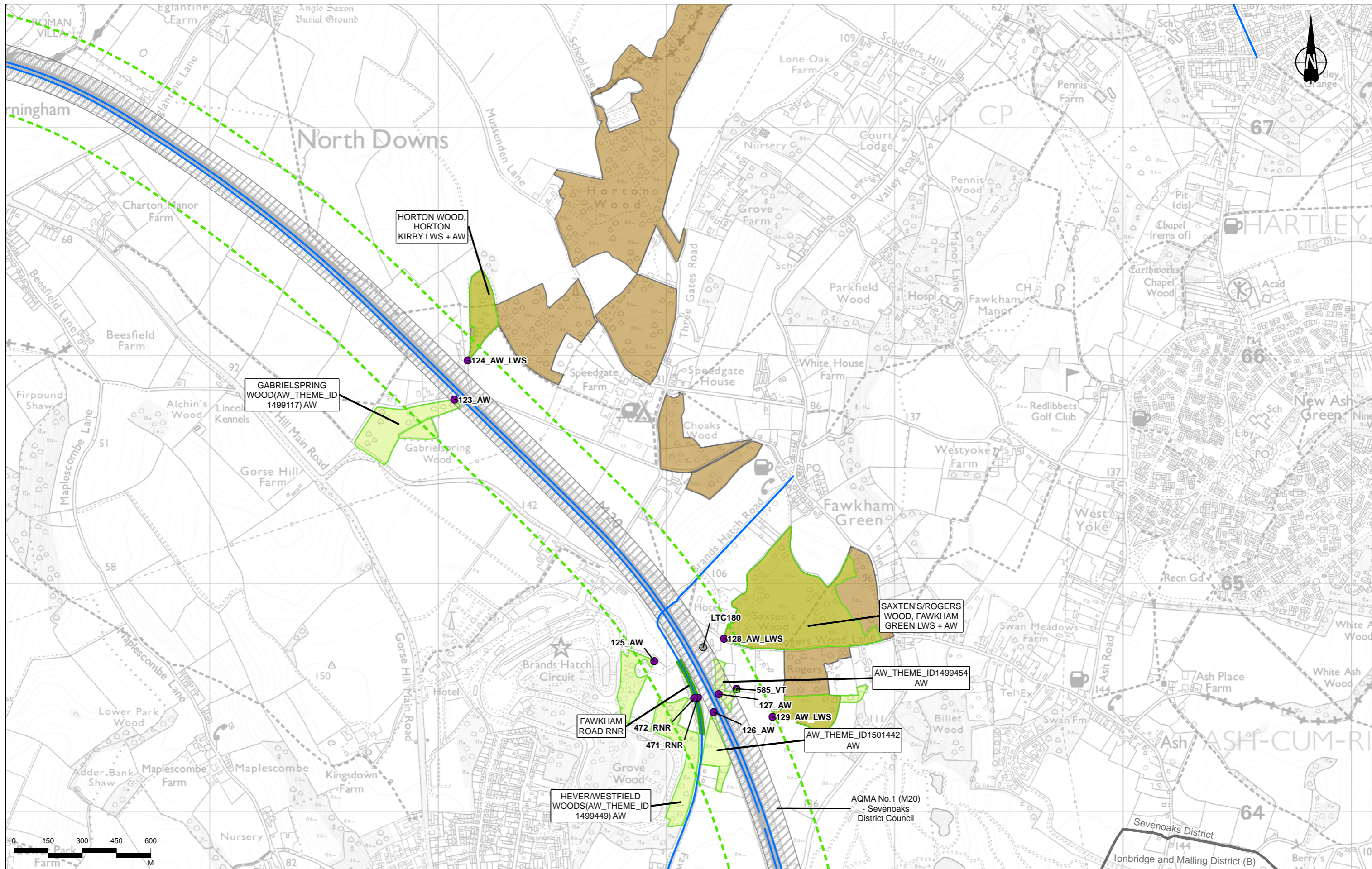


Client: national highways

Project: LOWER THAMES CROSSING

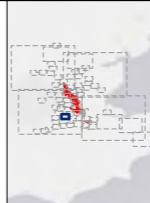
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| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | |
| Scale: 1:15,000 | | | |

Page 35 of 83



| Rev | Status | Rev. Date | Purpose of revision | Drawn | Chkd | Apprvd |
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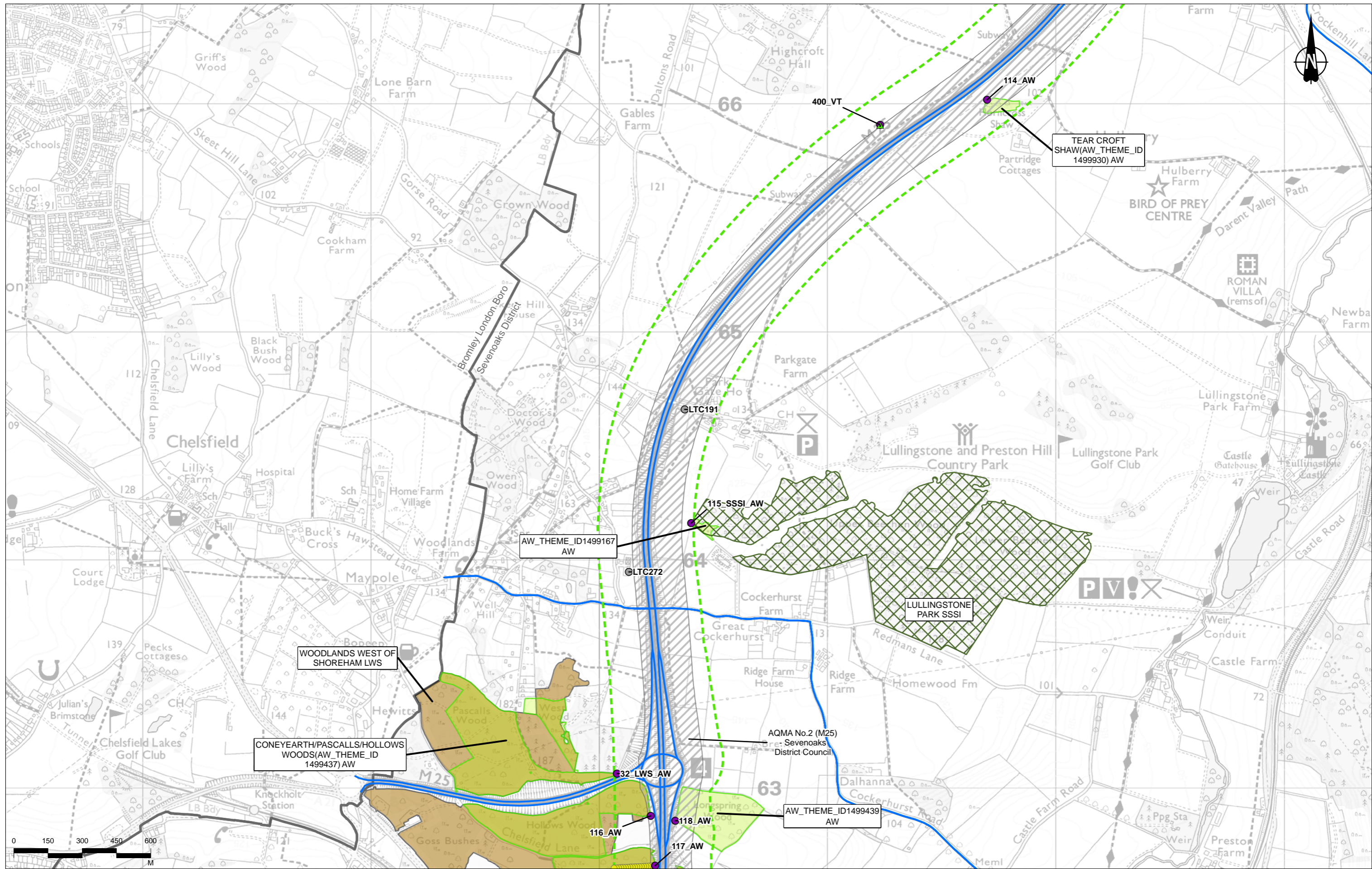
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| | Order Limits |
| | District Borough Boundary |
| | Study Area |
| | Operational Modelled Road |
| | Air Quality Management Area (AQMA) |
| | Ancient Woodland (AW) |
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| | Operational Ecological Receptors |
| | Ecological Receptor |
| | Epping Forest (SAC Gridded Receptor) |
| | Ecological Transects |



Client: **national highways**

Project: **LOWER THAMES CROSSING**

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| 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 36 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | | | |



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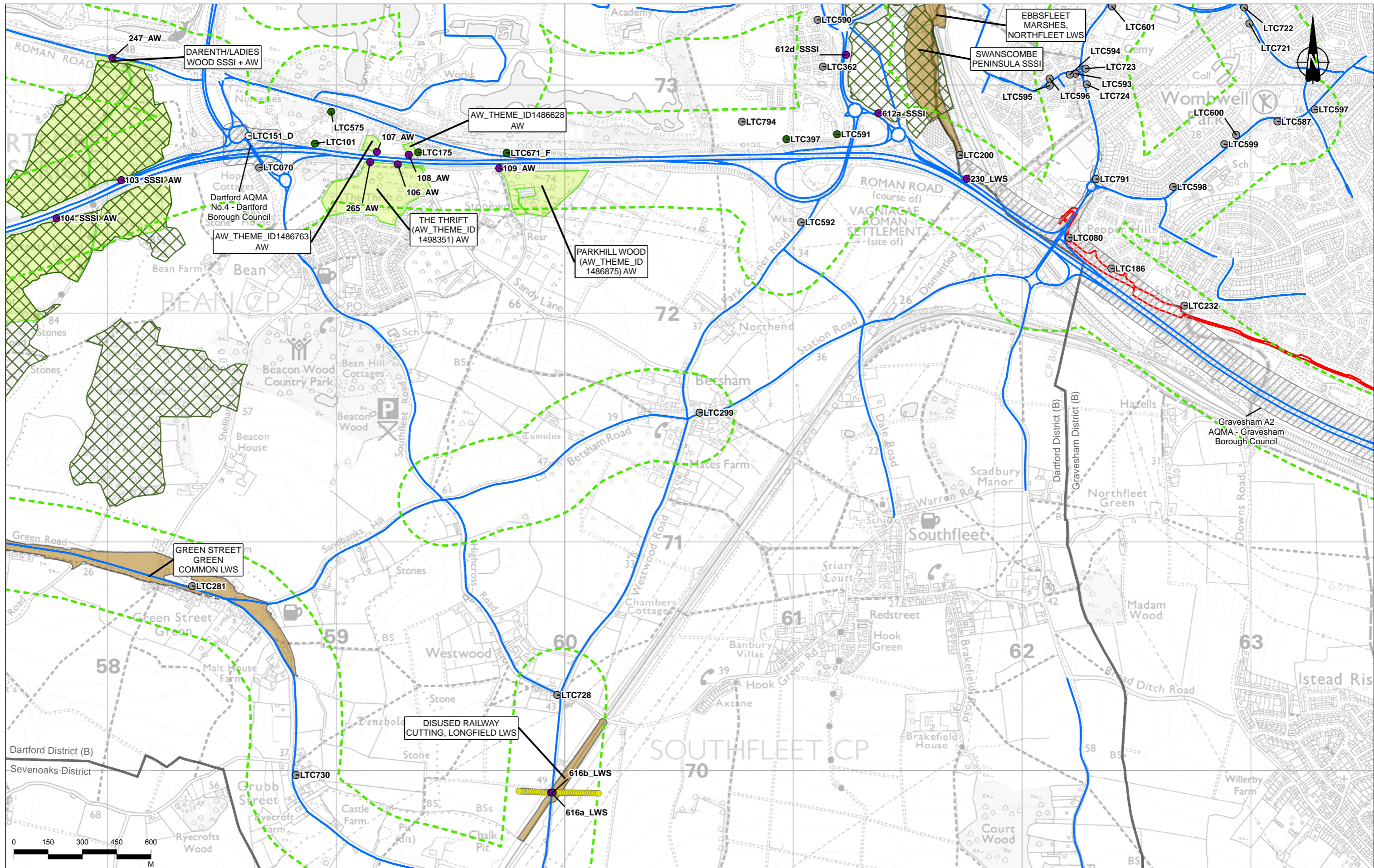
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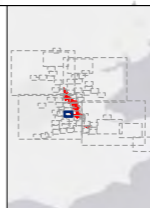


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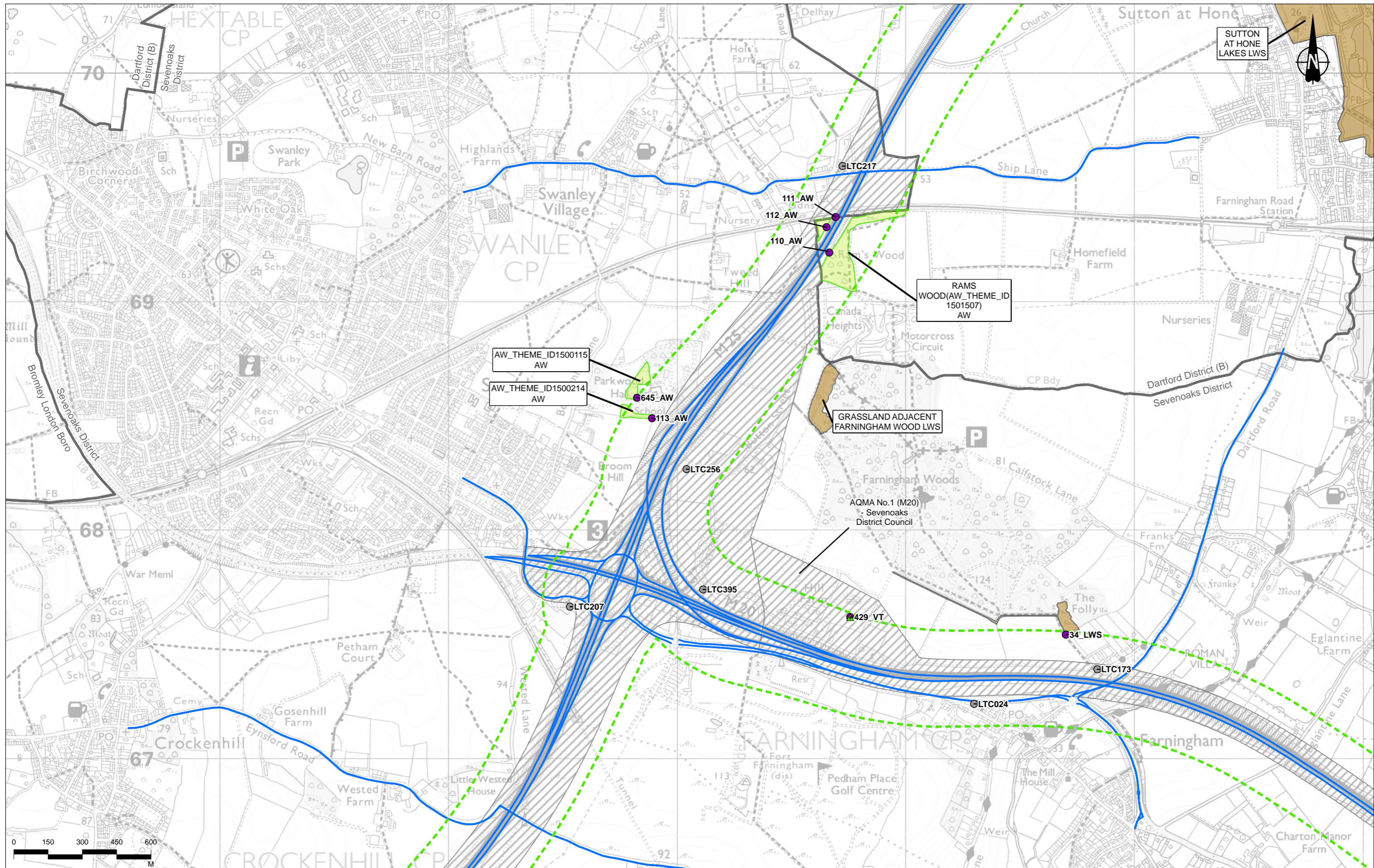
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| Route Alignment | Ancient Woodland (AW) | Ramsar Site (RAMSAR) | Veteran Tree | Perceptible decrease > AQS objective | Short-term AQS Objective Receptor |
| Order Limits | Local Nature Reserve (LNR) | Special Areas of Conservation (SAC) | Operational 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 ₂ 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) | | | | | |



Client: national highways

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



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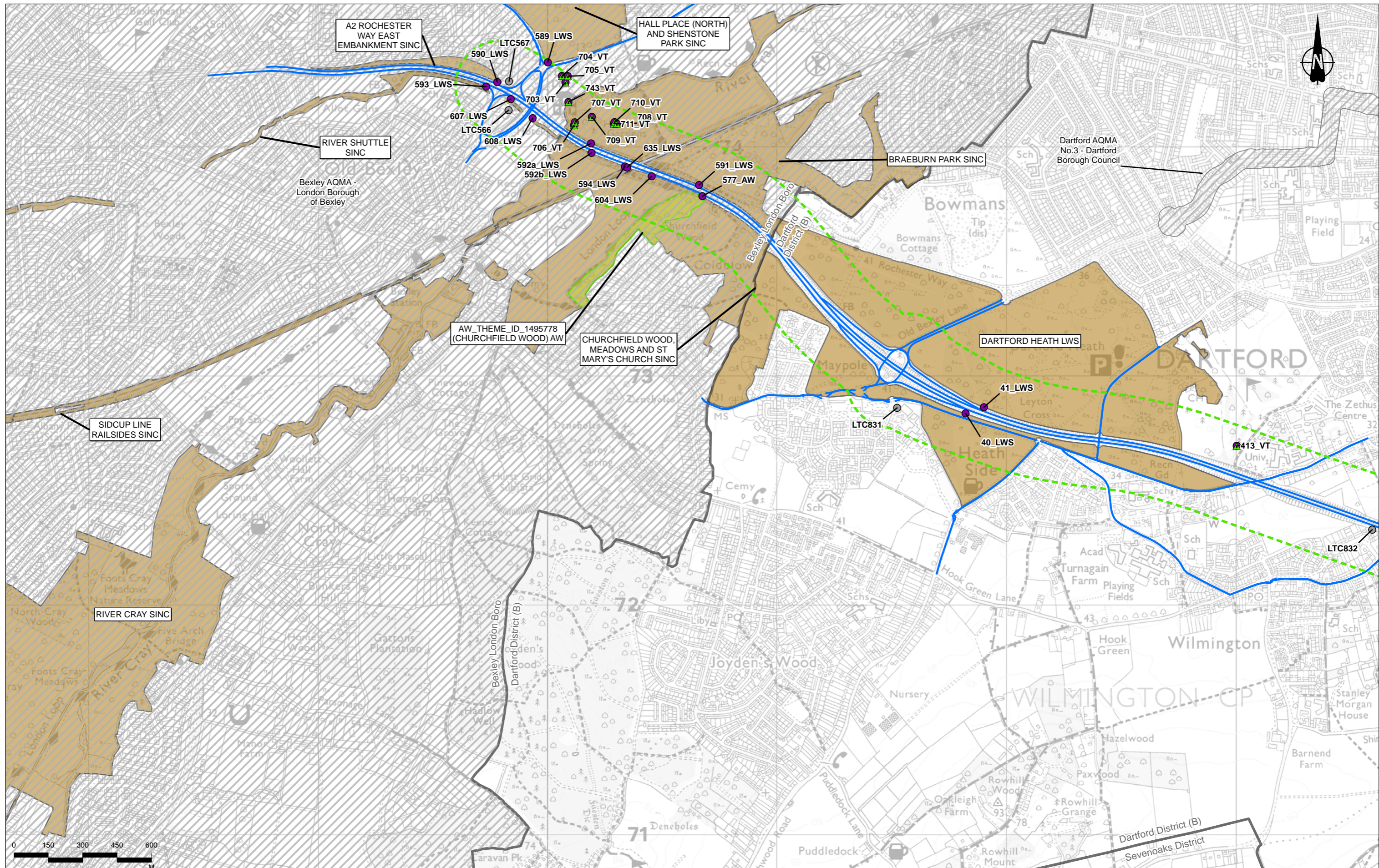
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| Order Limits | Local Nature Reserve (LNR) | Special Areas of Conservation (SAC) | Operational Human Receptors | Perceptible increase | Operational Ecological Receptors |
| District Borough Boundary | Local Wildlife Site (LWS)/Site of Importance for Nature Conservation (SINC) | Sites of Special Scientific Interest (SSSI) | Project Change in Annual Mean NO ₂ 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) | | | | | |



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Project: **LOWER THAMES CROSSING**

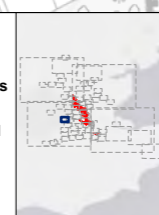
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| Drawing Title | Figure 5.6 - Operational Phase Receptors and Results | | | | |
| | Page 40 of 83 | | | | |
| Drawing Number | HE540039-CJV-EAQ-SZP_EGNE0000000-DR-LE-50012 | | | | |



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| 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) | Receptor Demolished with Project |
| Sites of Special Scientific Interest (SSSI) | Short-term AQS Objective Receptor |
| 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 |



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

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