

Lower Thames Crossing

7.16 Community Impact Report

(Tracked changes version - part 2 of 4)

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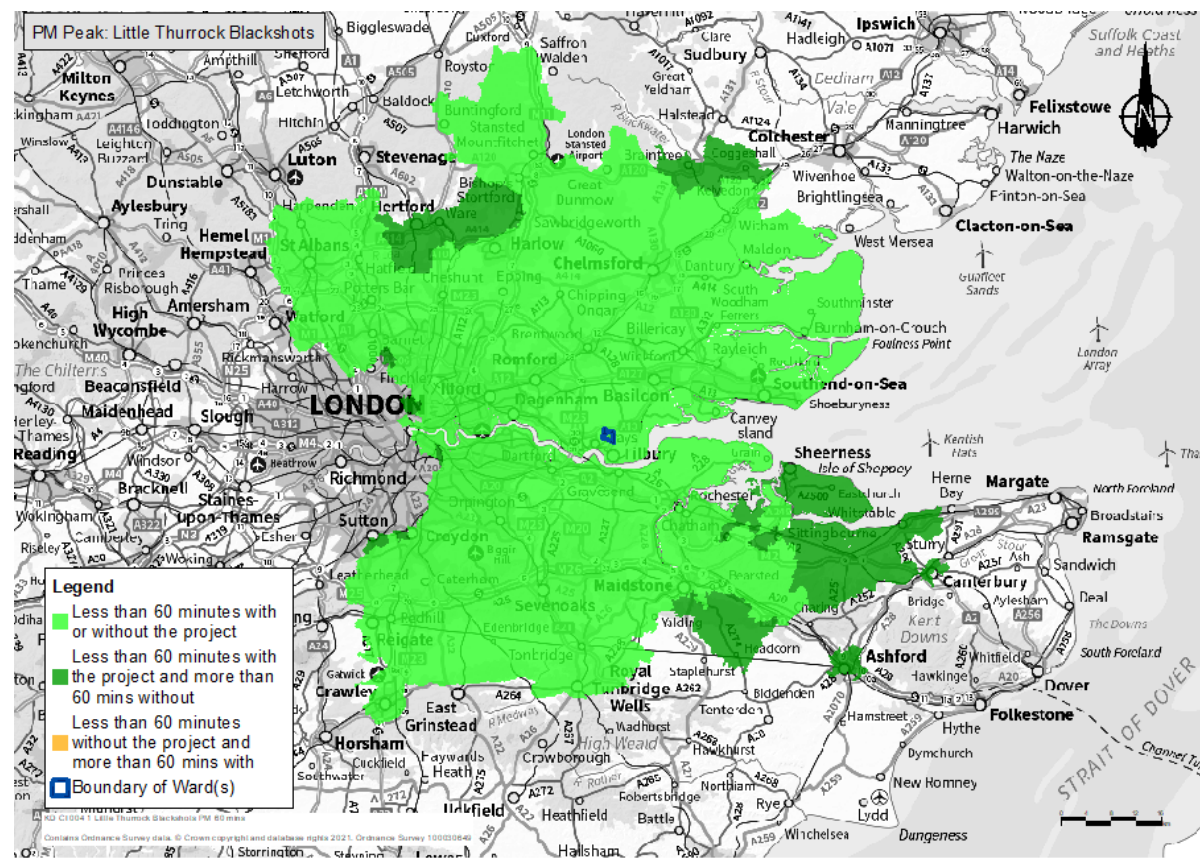
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Plate B.44 PM peak 60 minute travel time in Little Thurrock Blackshots



Stifford Clays Ward

Plate B.45 AM peak 30 minute travel time in Stifford Clays

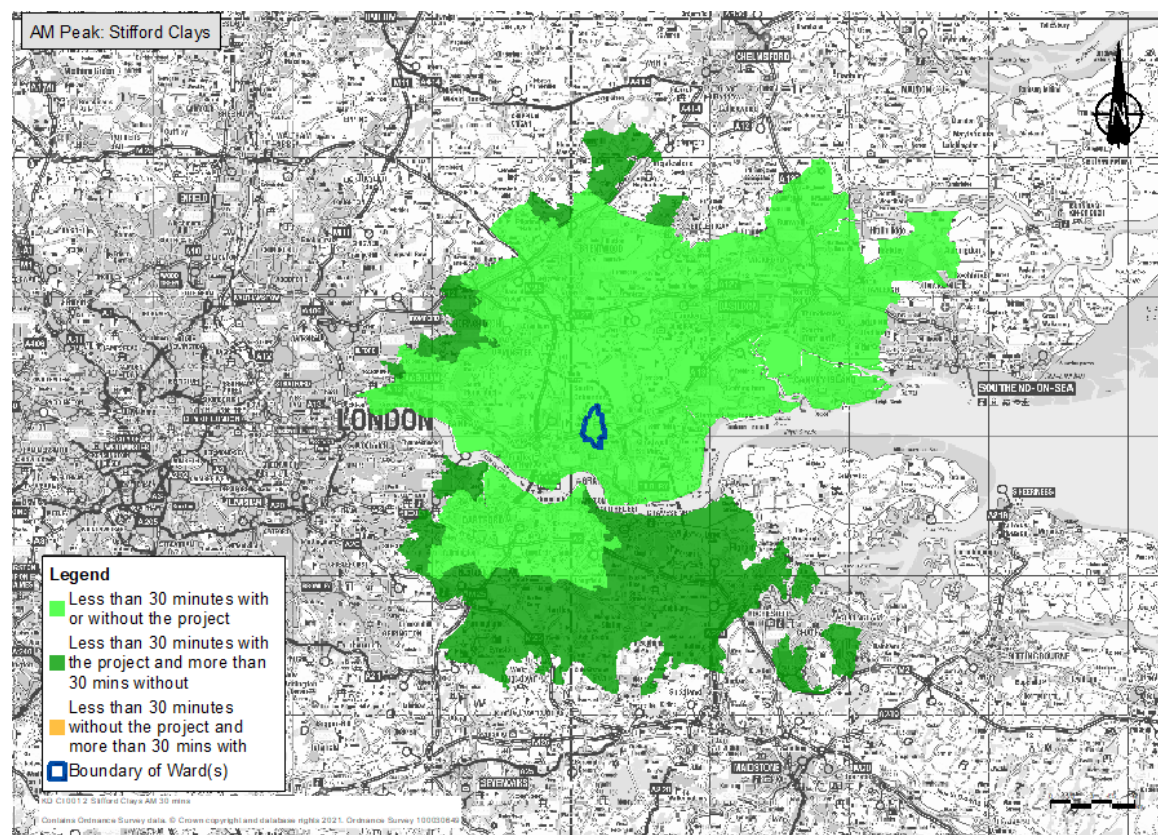


Plate B.46 AM peak 60 minute travel time in Stifford Clays

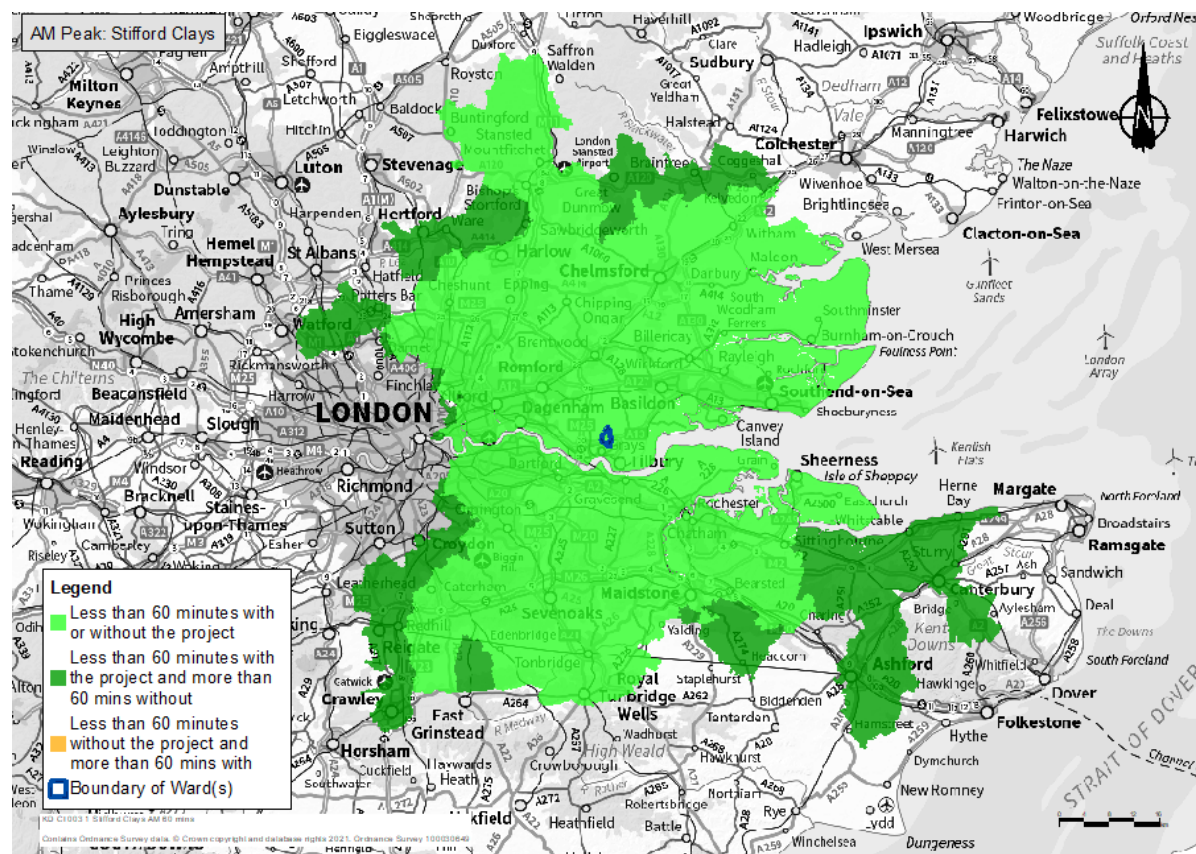


Plate B.47 PM peak 30 minute travel time in Stifford Clays

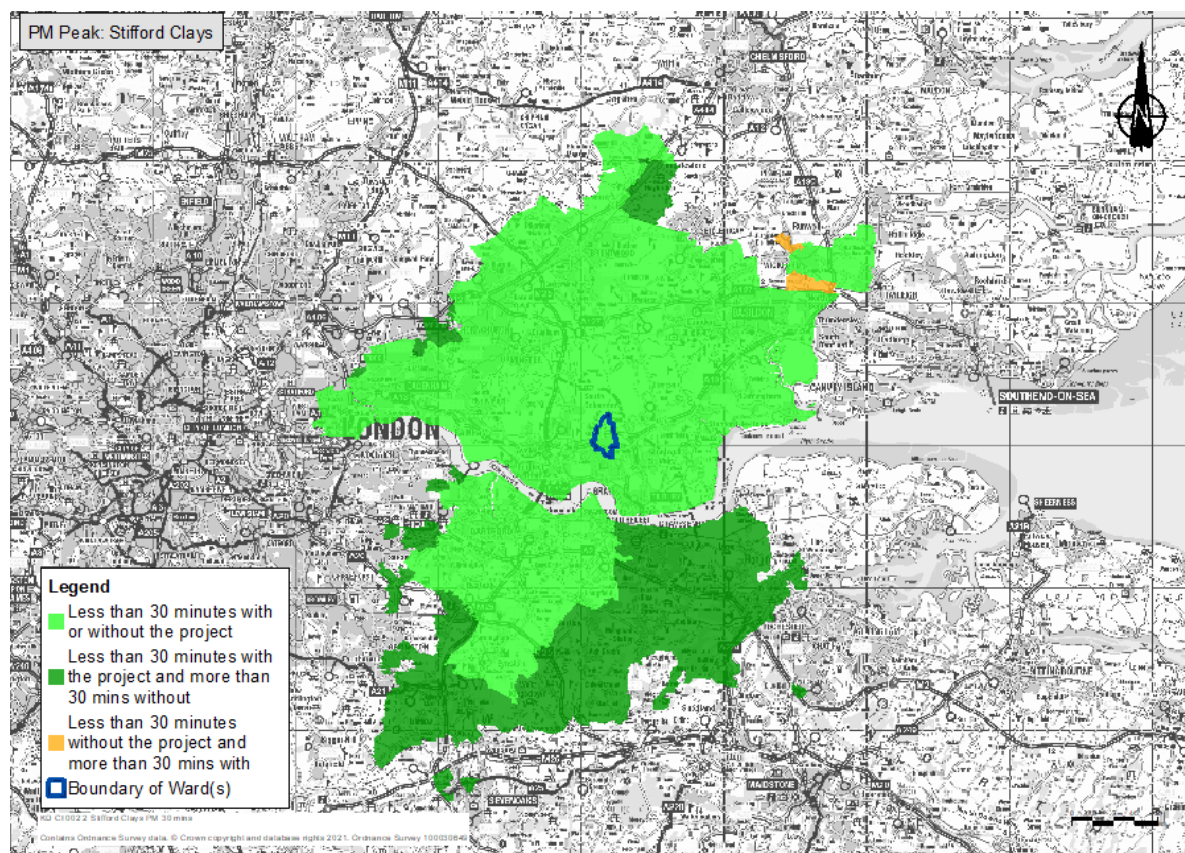
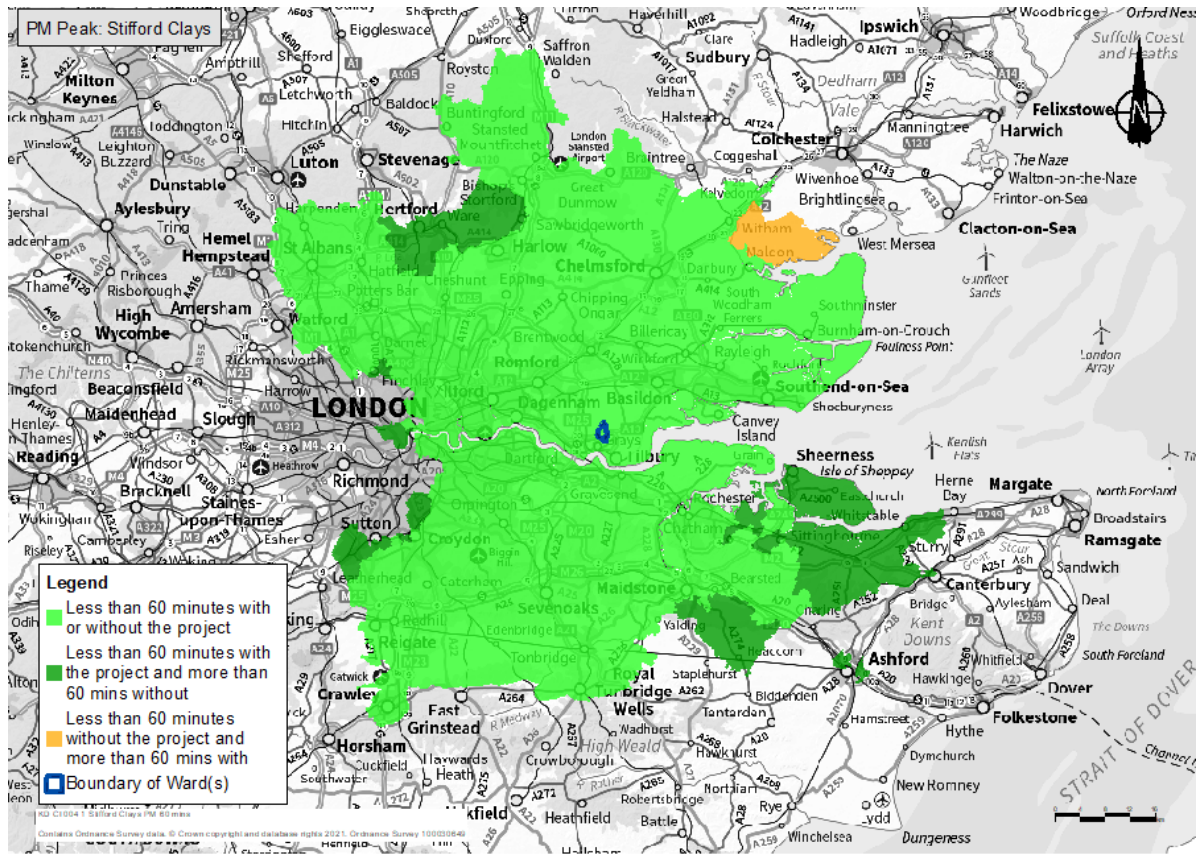


Plate B.48 PM peak 60 minute travel time in Stifford Clays



Orsett Ward

Plate B.49 AM peak 30 minute travel time in Orsett

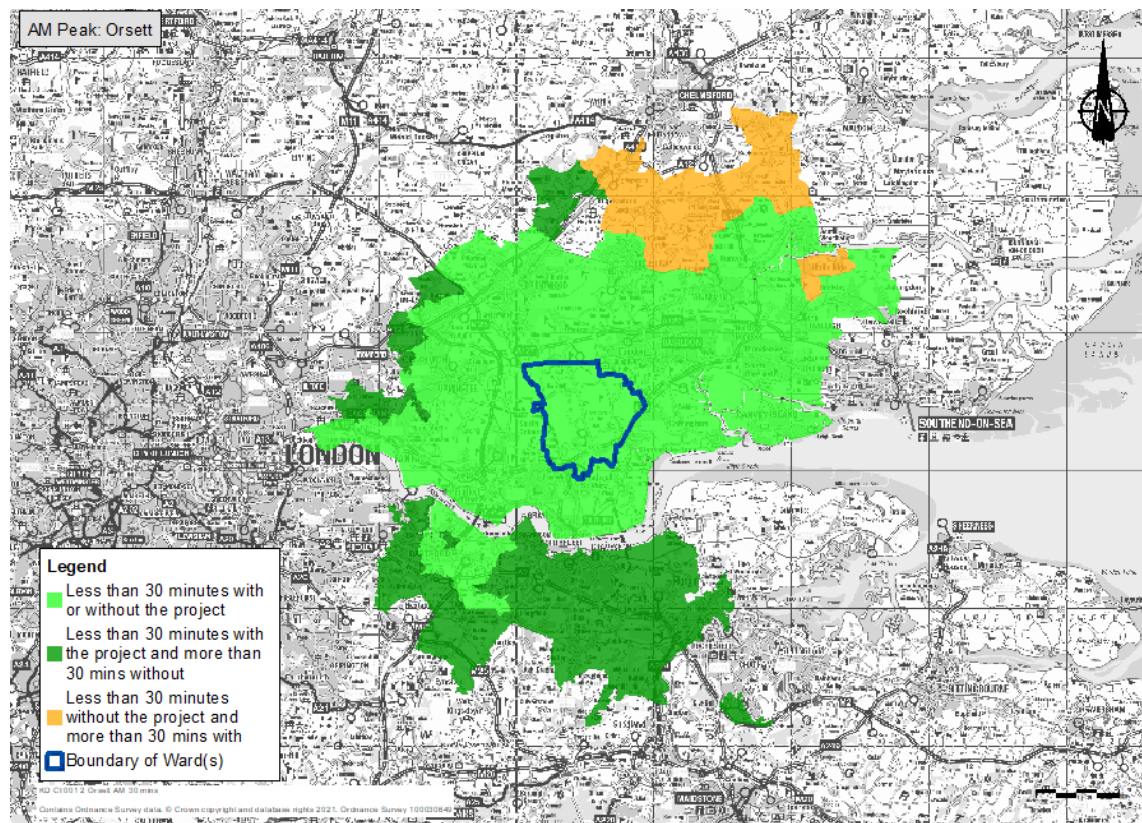


Plate B.50 AM peak 60 minute travel time in Orsett

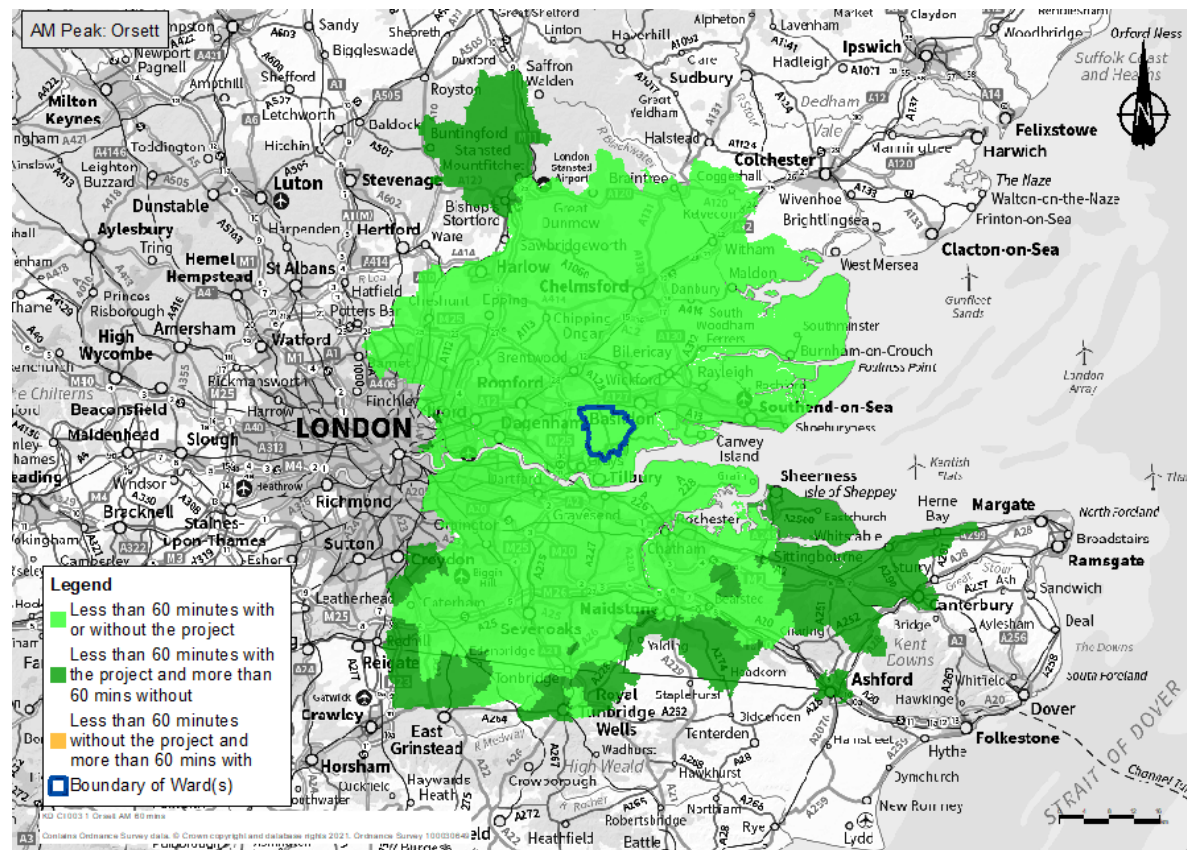


Plate B.51 PM peak 30 minute travel time in Orsett

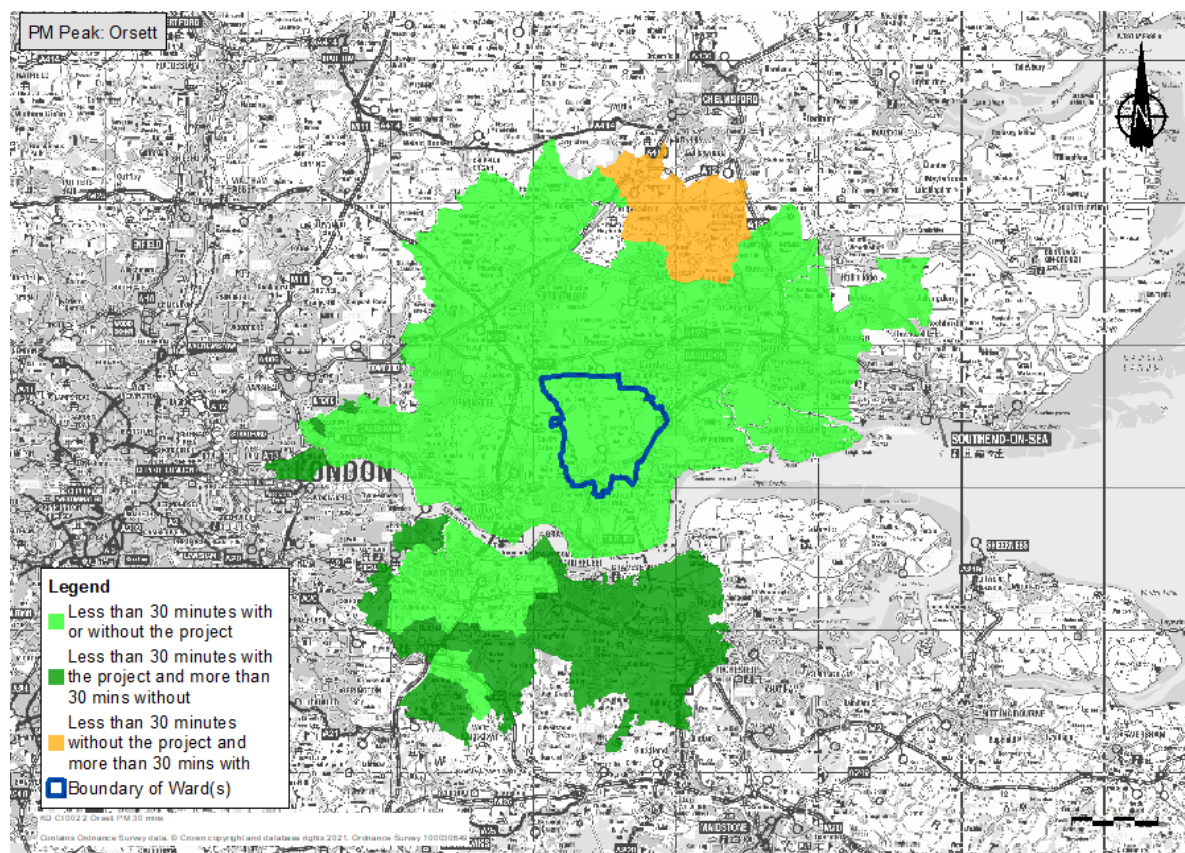
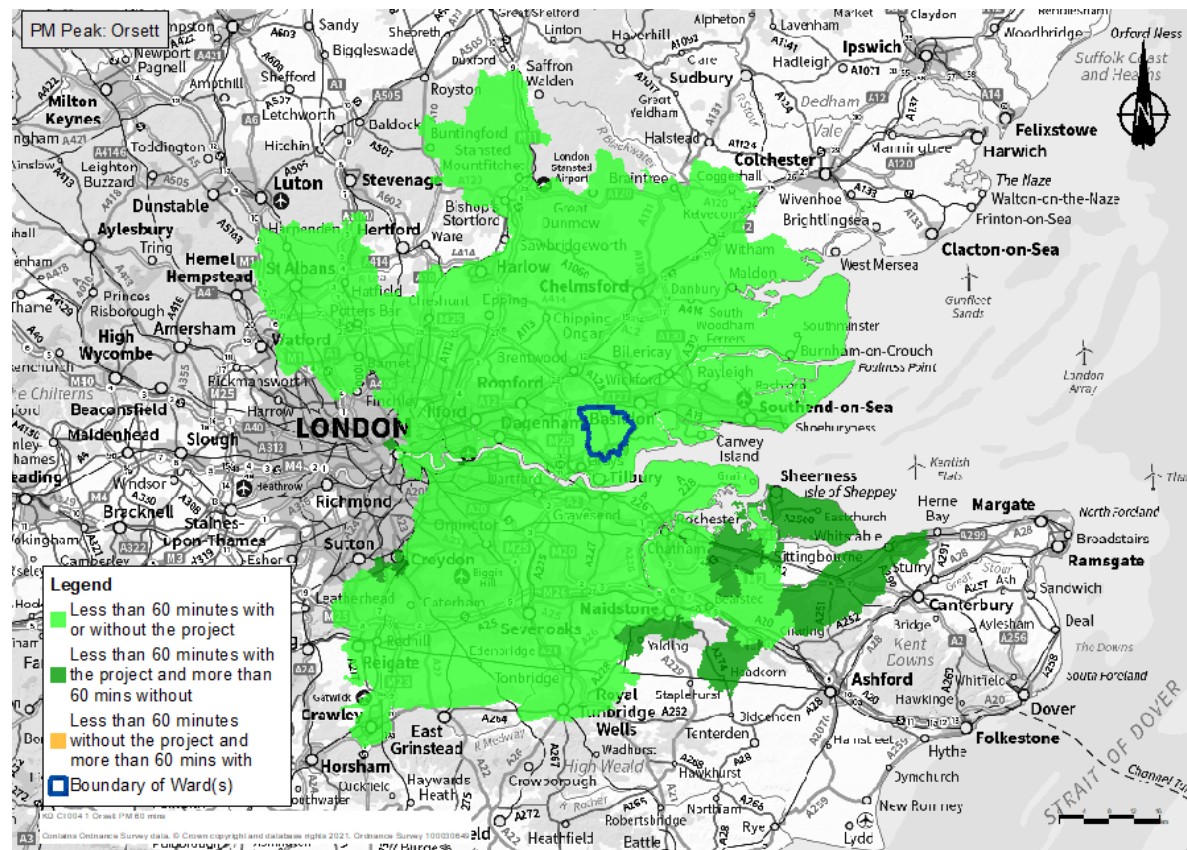


Plate B.52 PM peak 60 minute travel time in Orsett



Belhus

Plate B.53 AM peak 30 minute travel time in Belhus

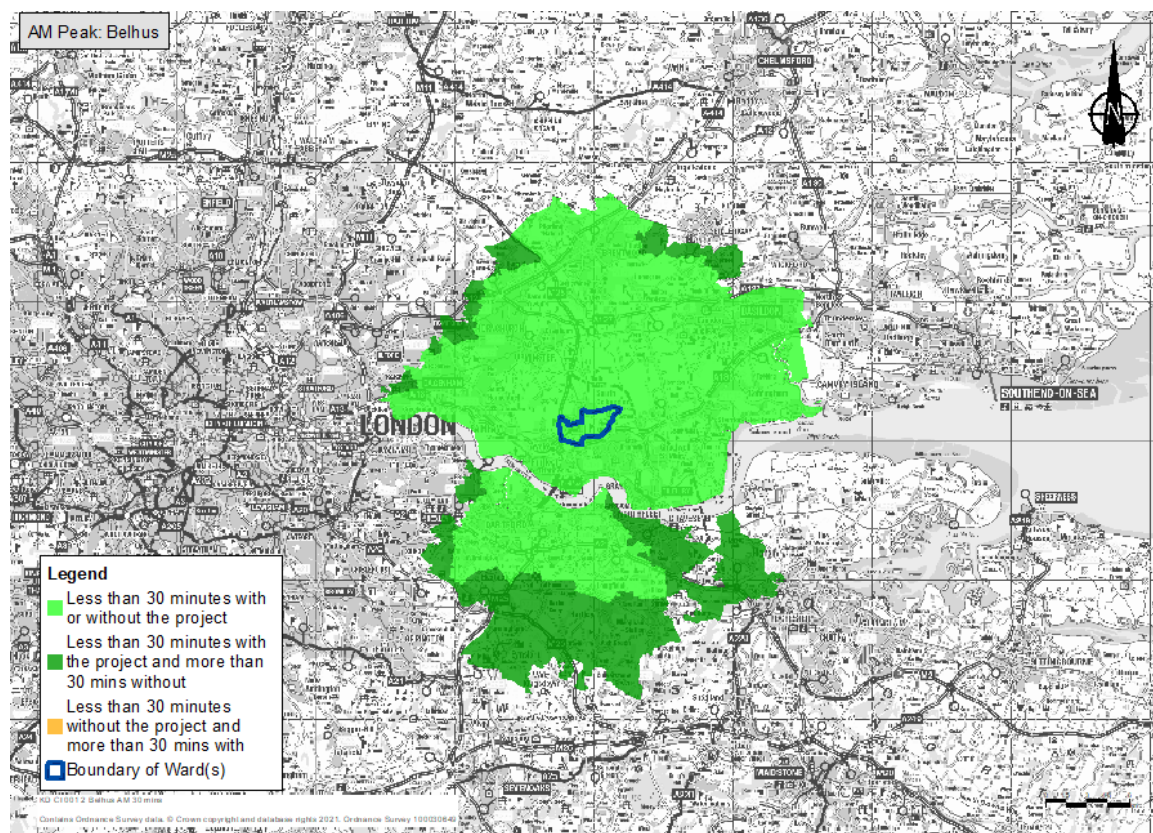


Plate B.54 AM peak 60 minute travel time in Belhus

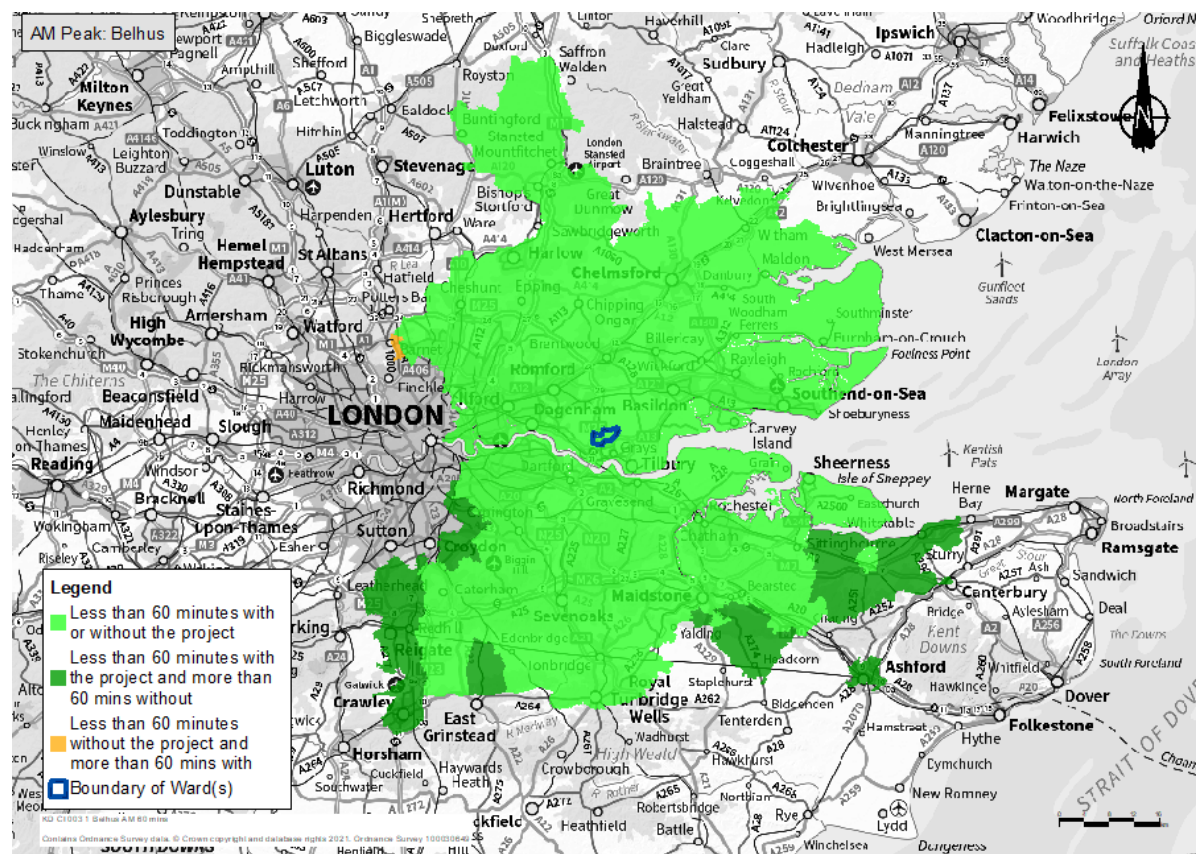


Plate B.55 PM peak 30 minute travel time in Belhus

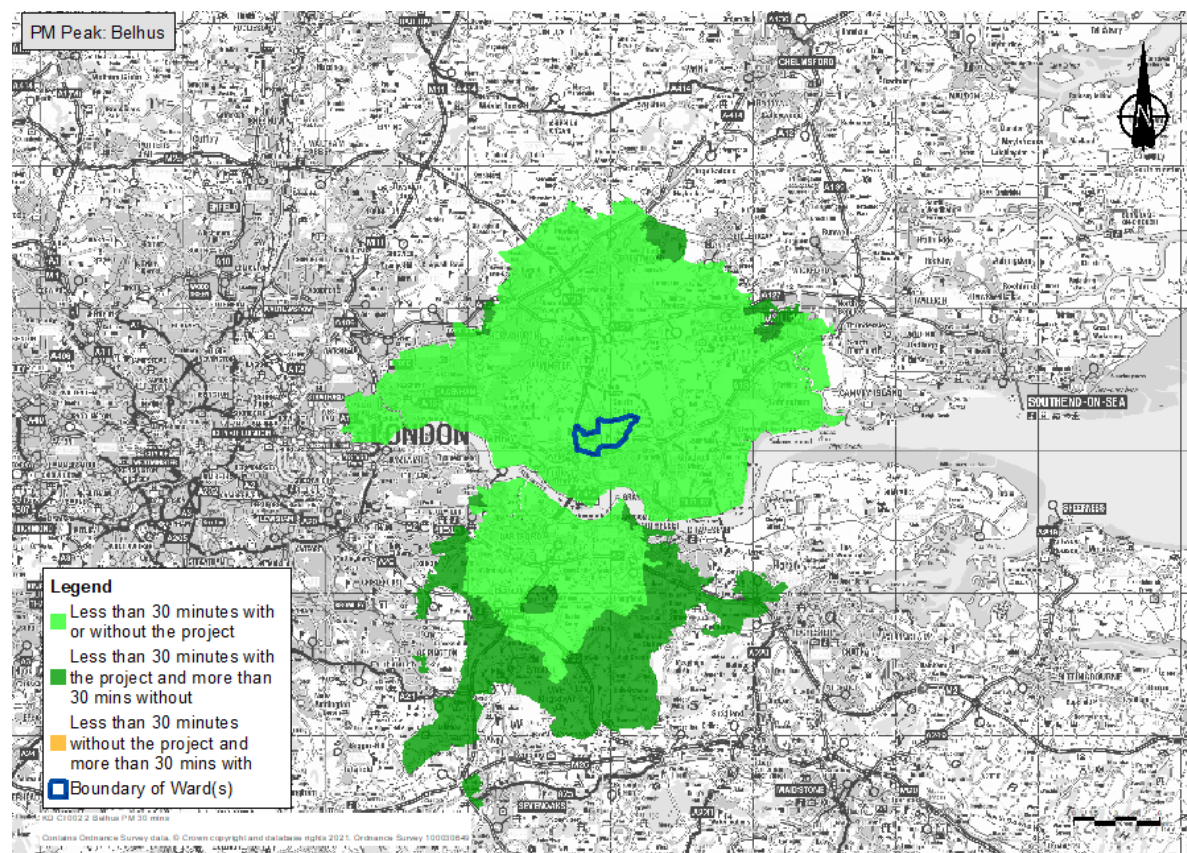
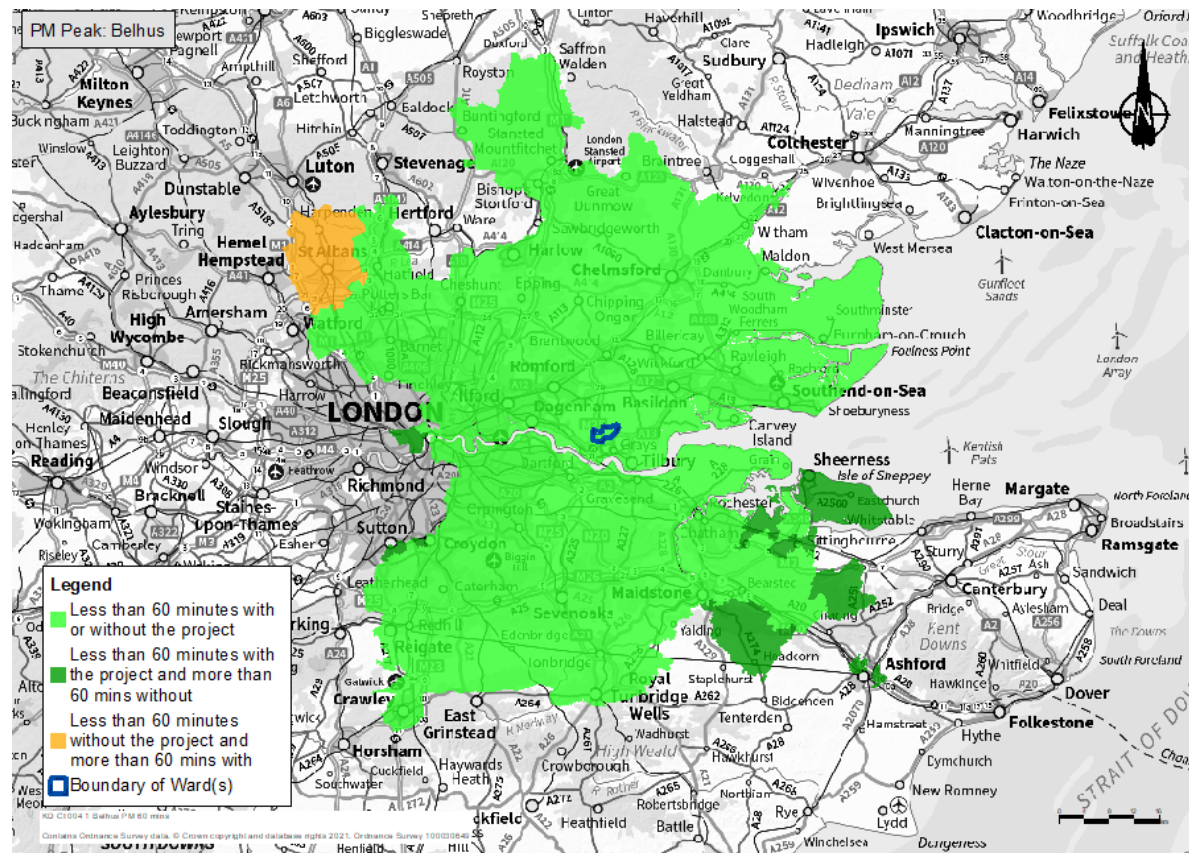


Plate B.56 PM peak 60 minute travel time in Belhus



Ockendon

Plate B.57 AM peak 30 minute travel time in Ockendon

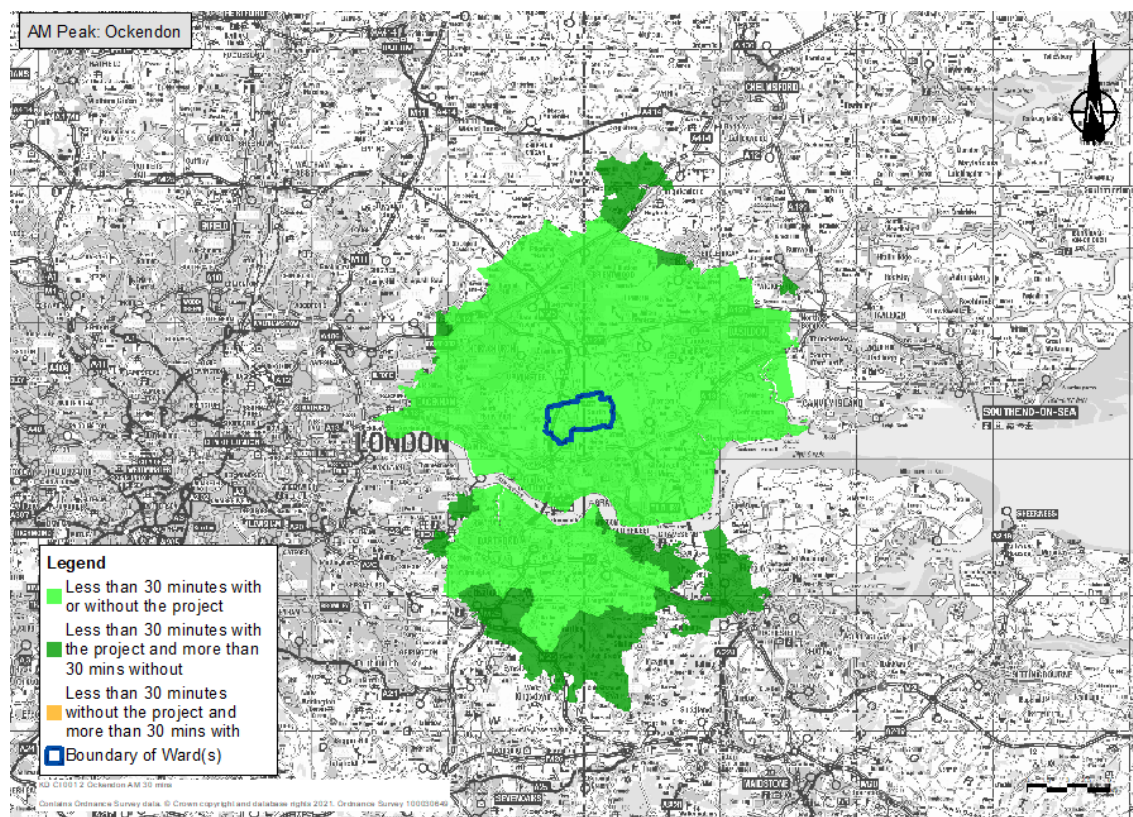


Plate B.58 AM peak 60 minute travel time in Ockendon

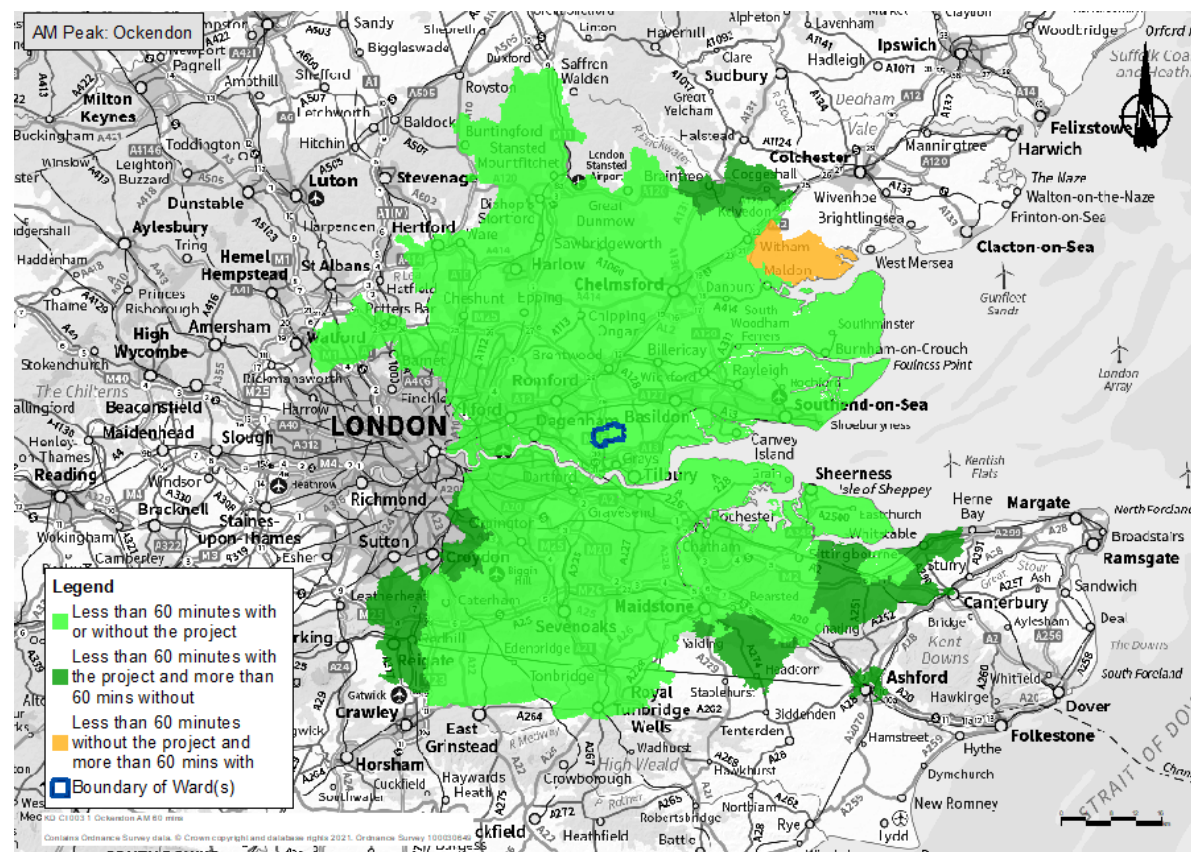


Plate B.59 PM peak 30 minute travel time in Ockendon

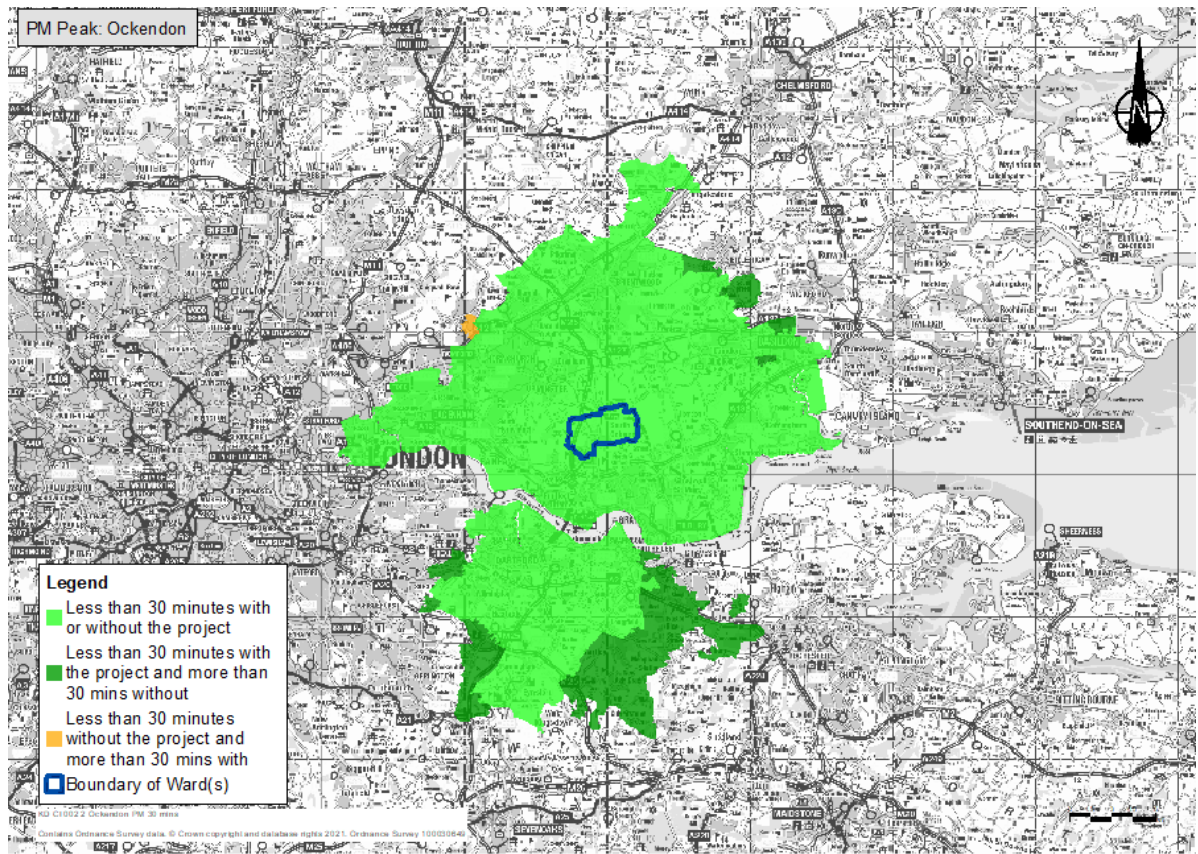
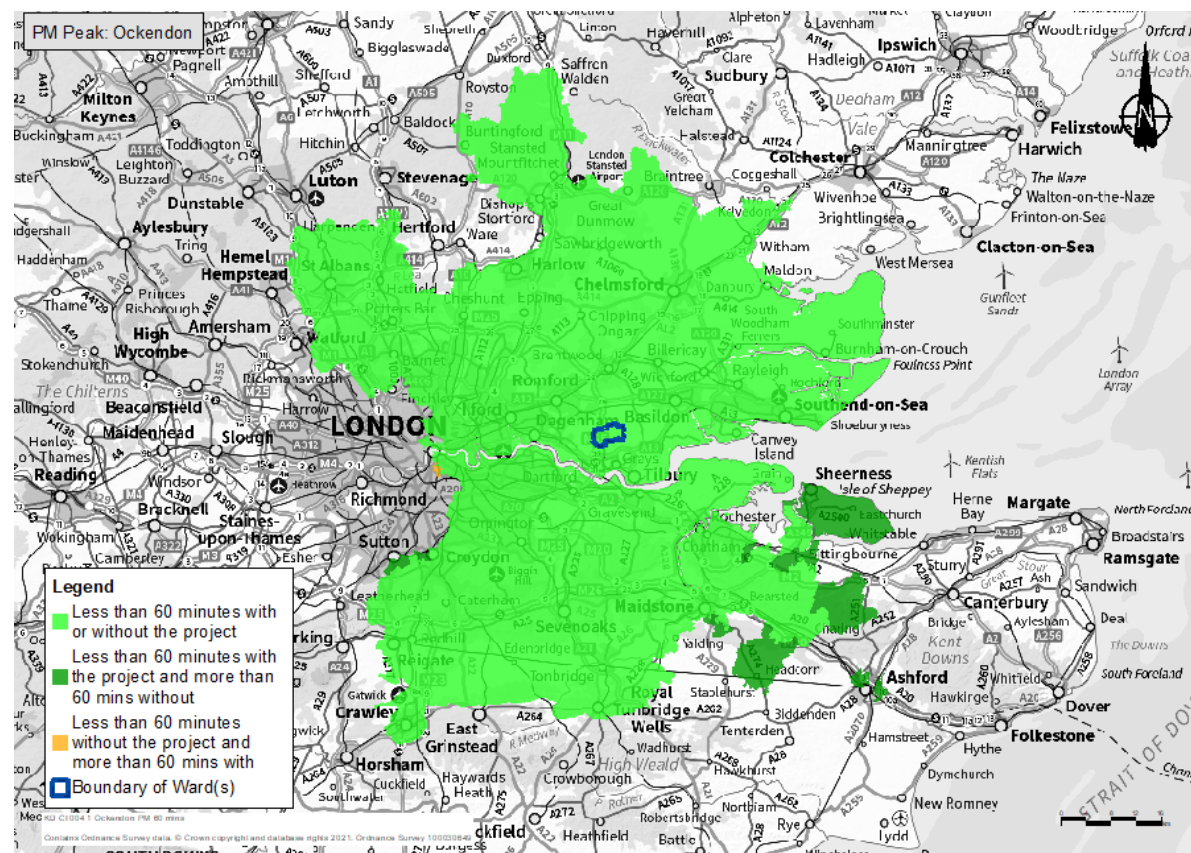


Plate B.60 PM peak 60 minute travel time in Ockendon



Upminster Ward

Plate B.61 AM peak 30 minute travel time in Upminster

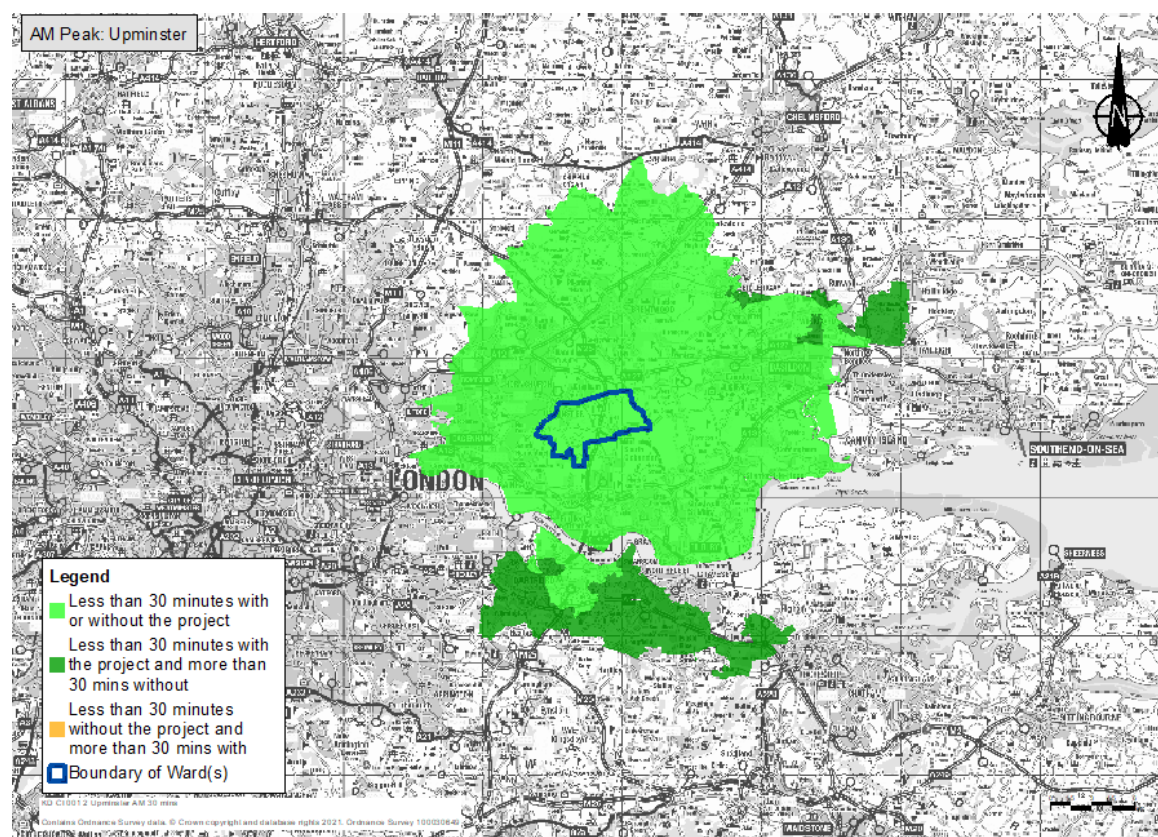


Plate B.62 AM peak 60 minute travel time in Upminster

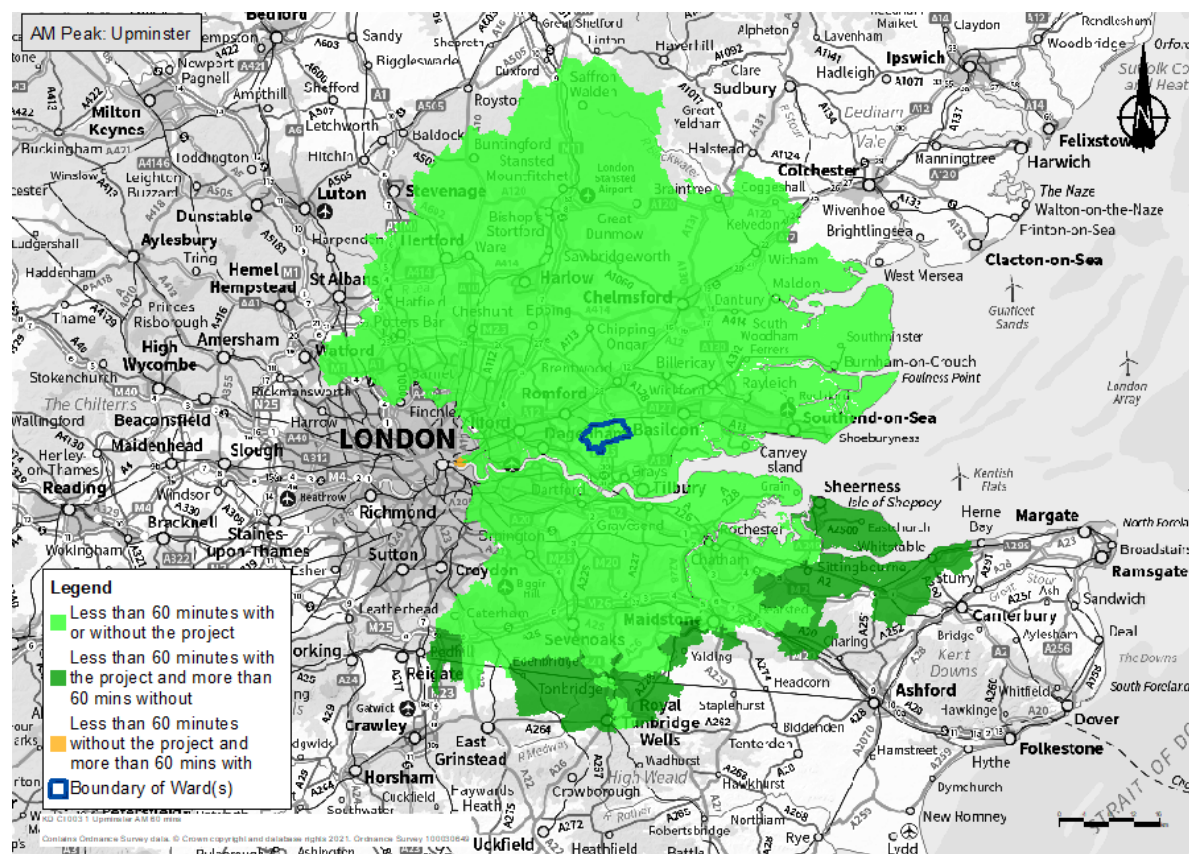


Plate B.63 PM peak 30 minute travel time in Upminster

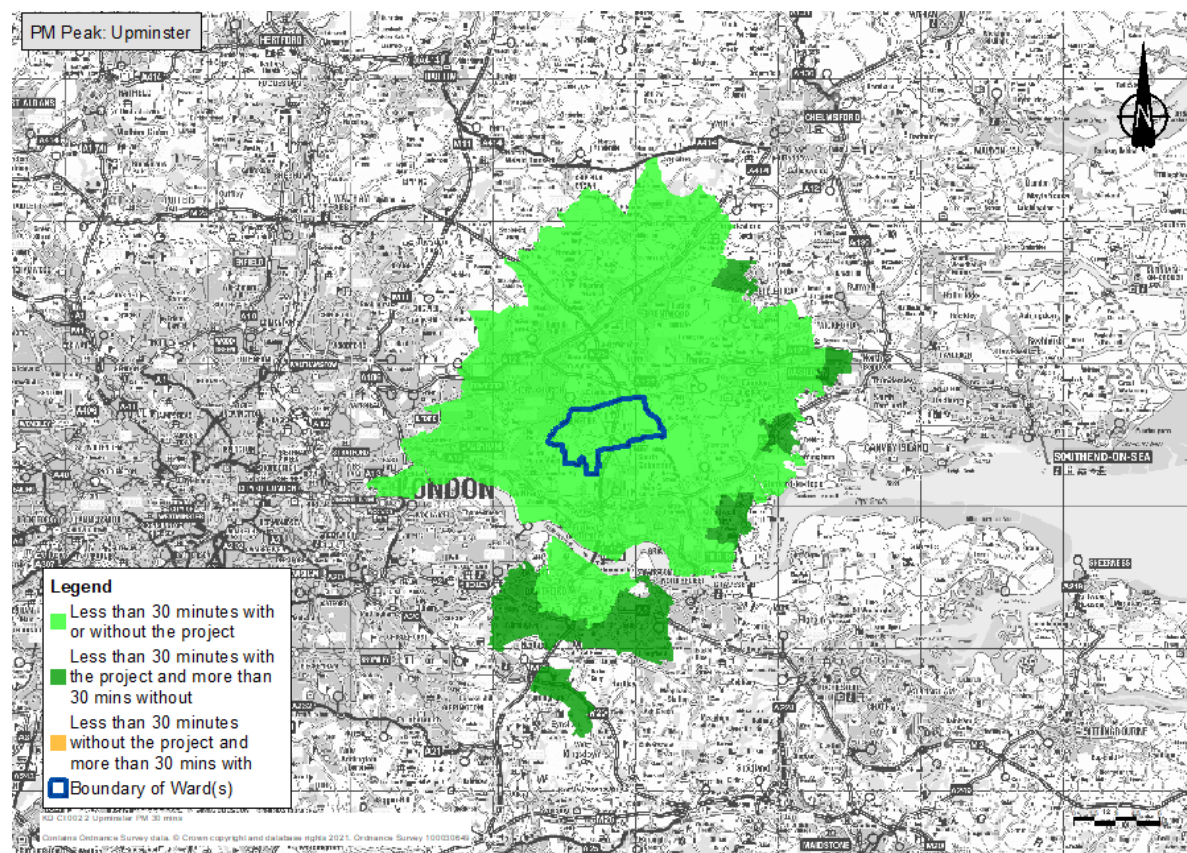
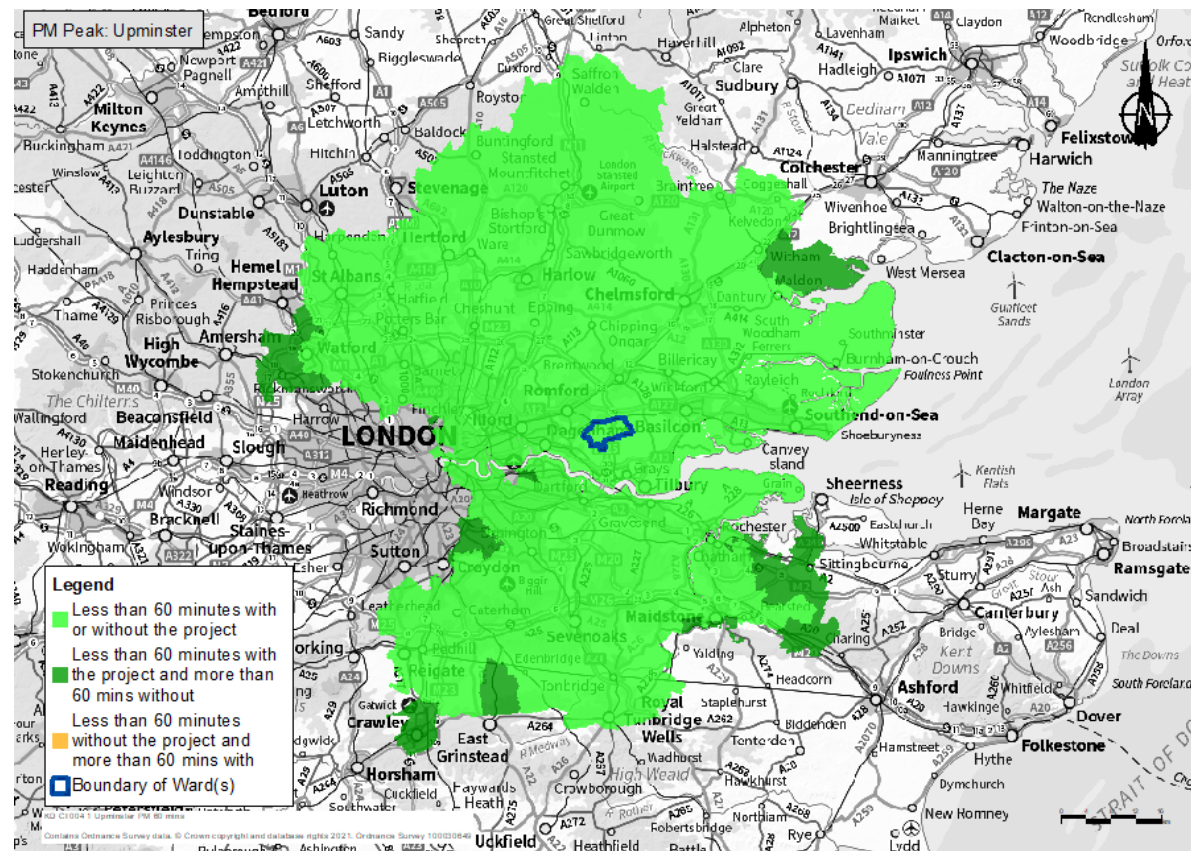


Plate B.64 PM peak 60 minute travel time in Upminster



Cranham Ward

Plate B.65 AM peak 30 minute travel time in Cranham

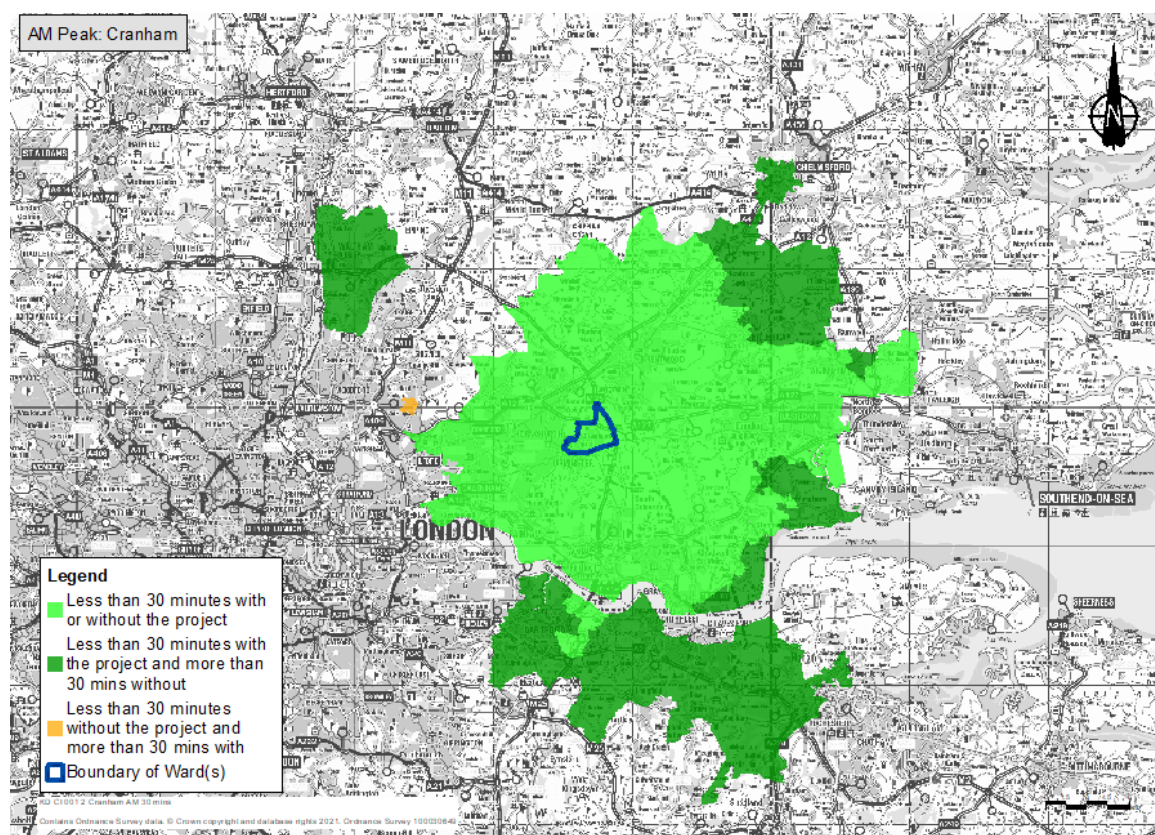


Plate B.66 AM peak 60 minute travel time in Cranham

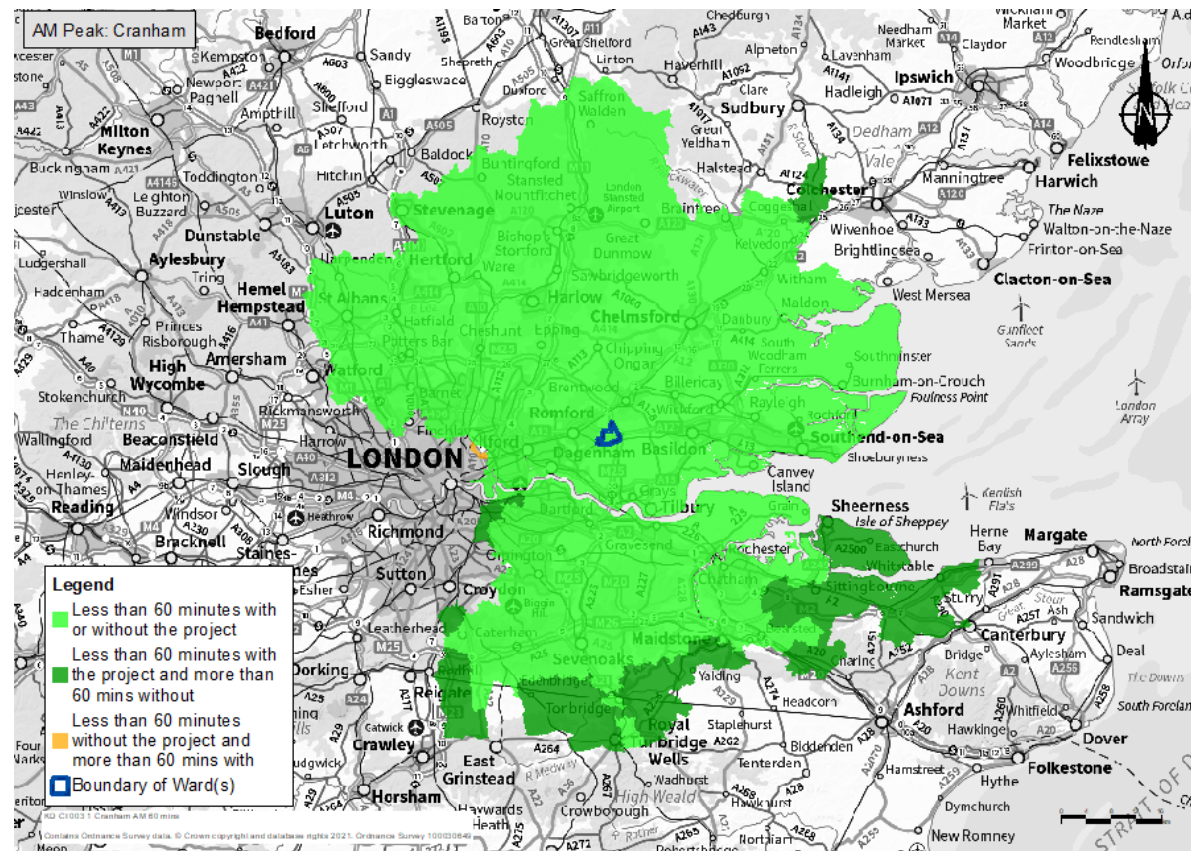


Plate B.67 PM peak 30 minute travel time in Cranham

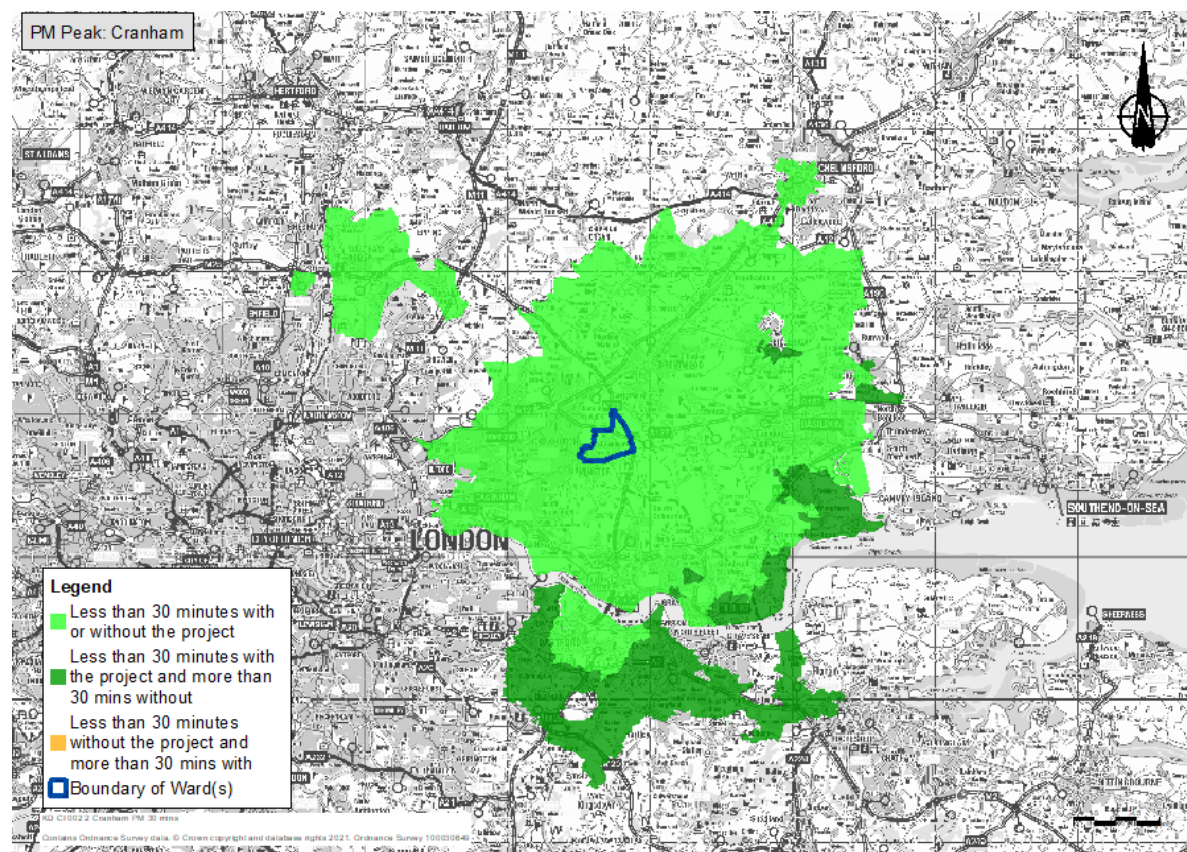
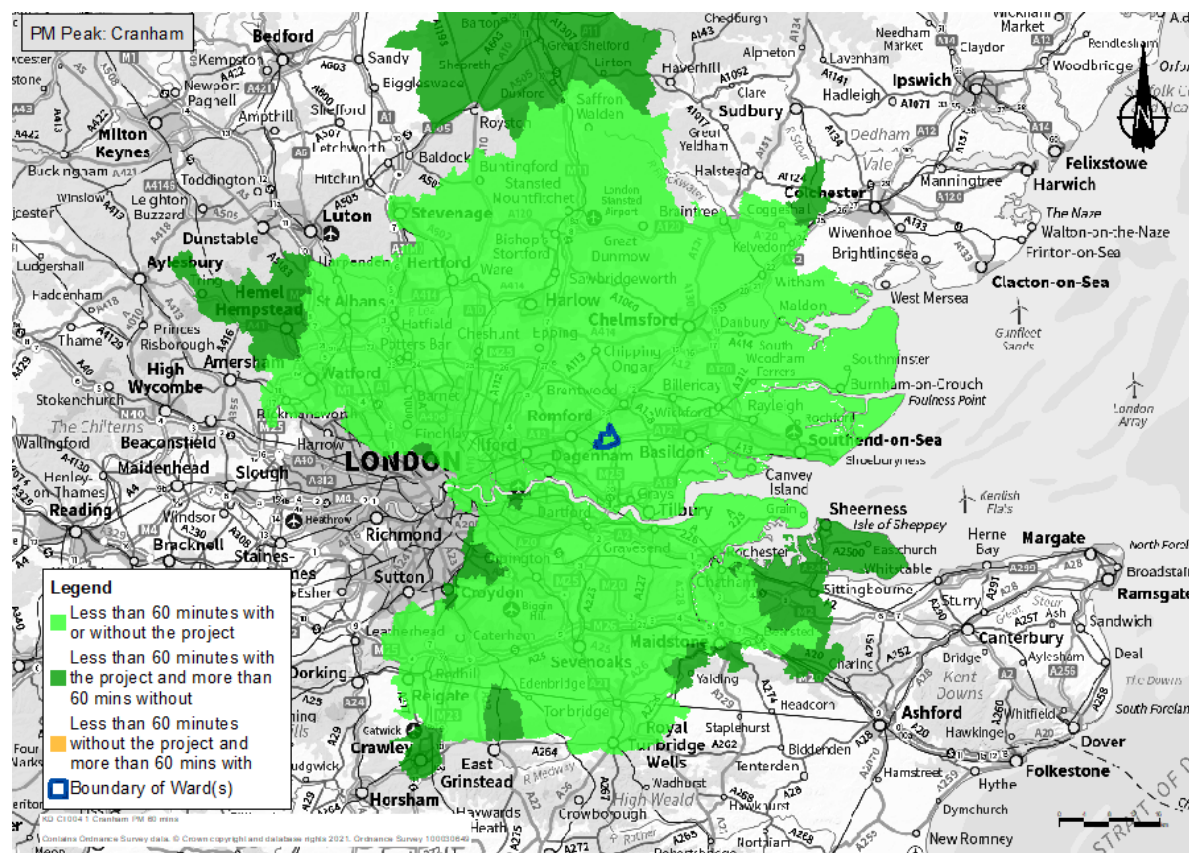


Plate B.68 PM peak 60 minute travel time in Cranham



Warley and South Weald Wards

Plate B.69 AM peak 30 minute travel time in Warley

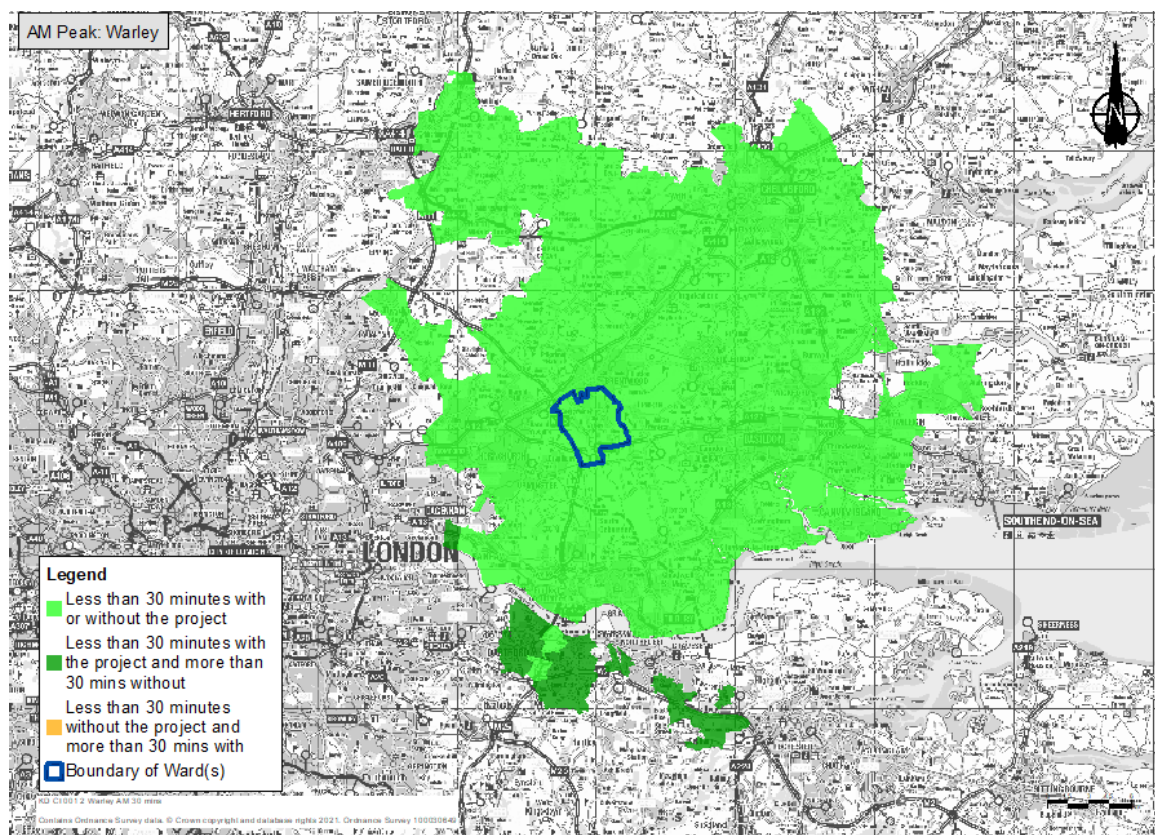


Plate B.70 AM peak 30 minute travel time in South Weald

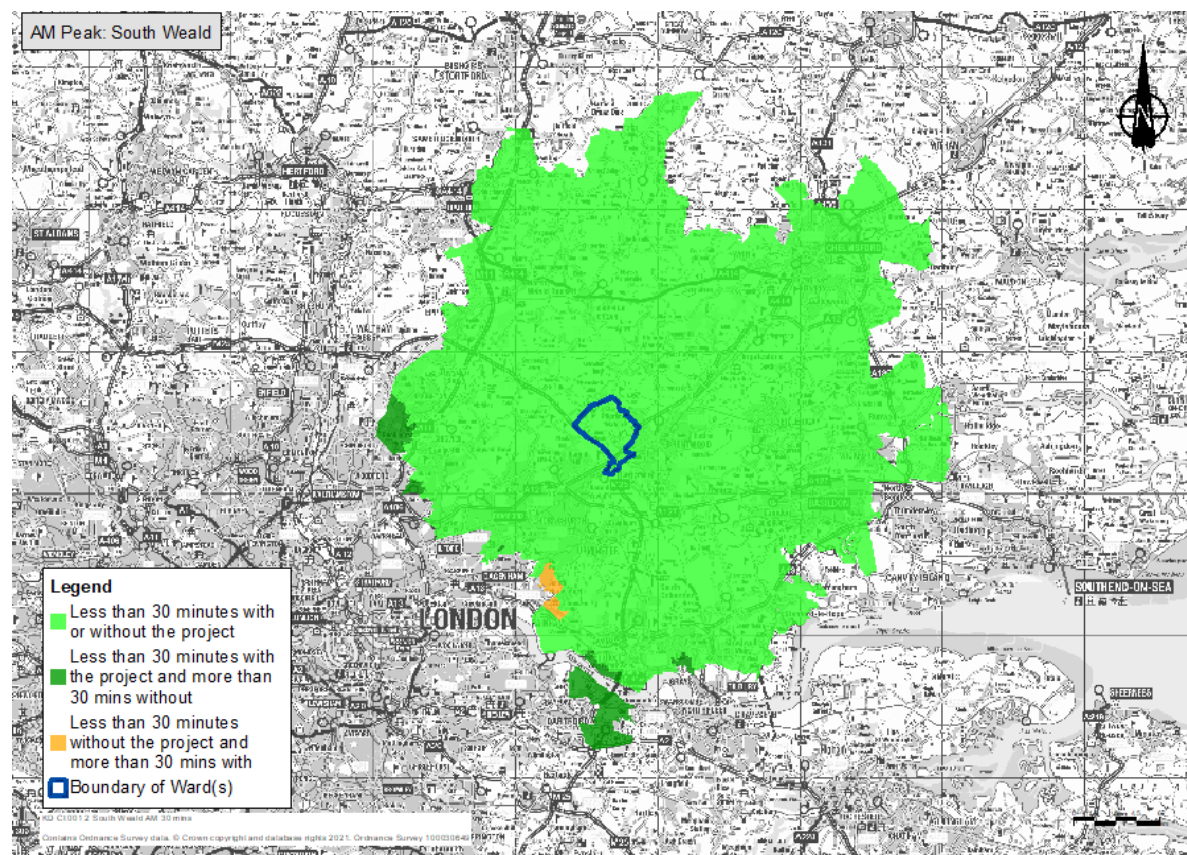


Plate B.71 AM peak 60 minute travel time in Warley

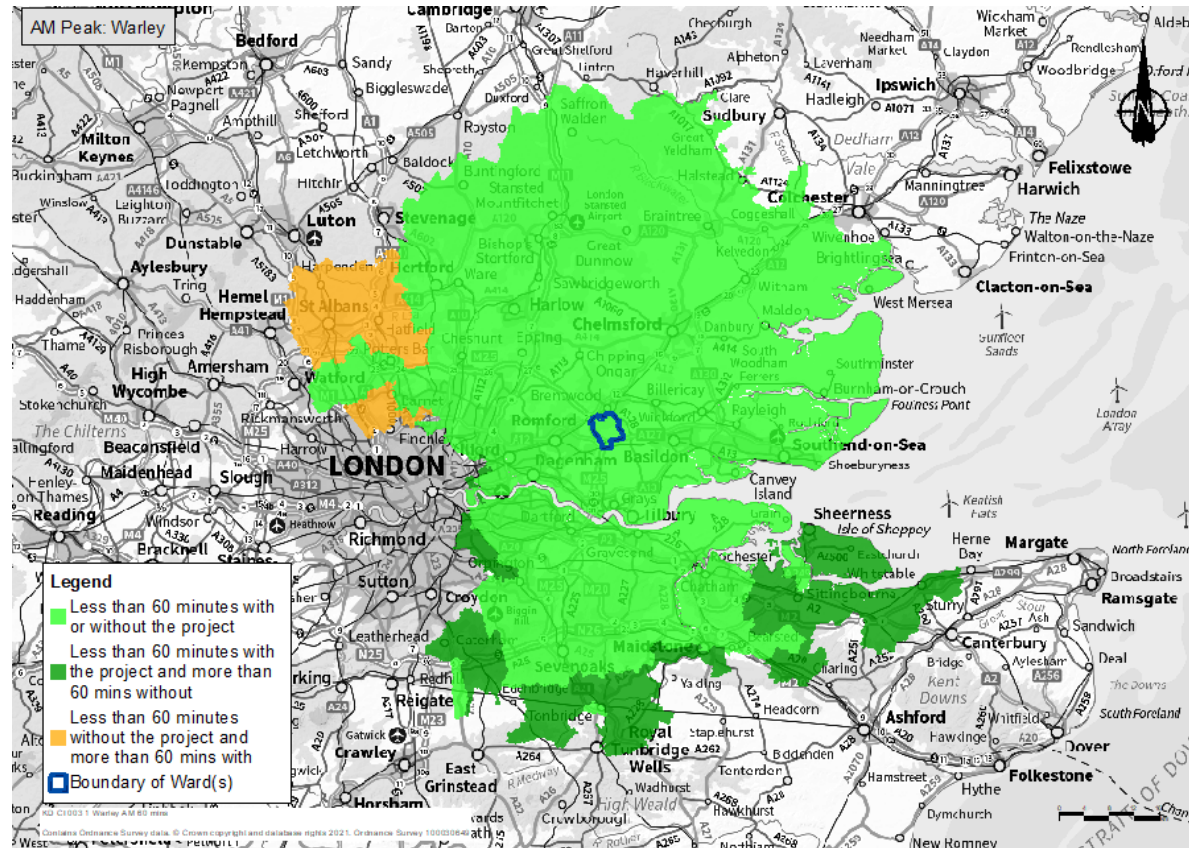


Plate B.72 AM peak 60 minute travel time in South Weald

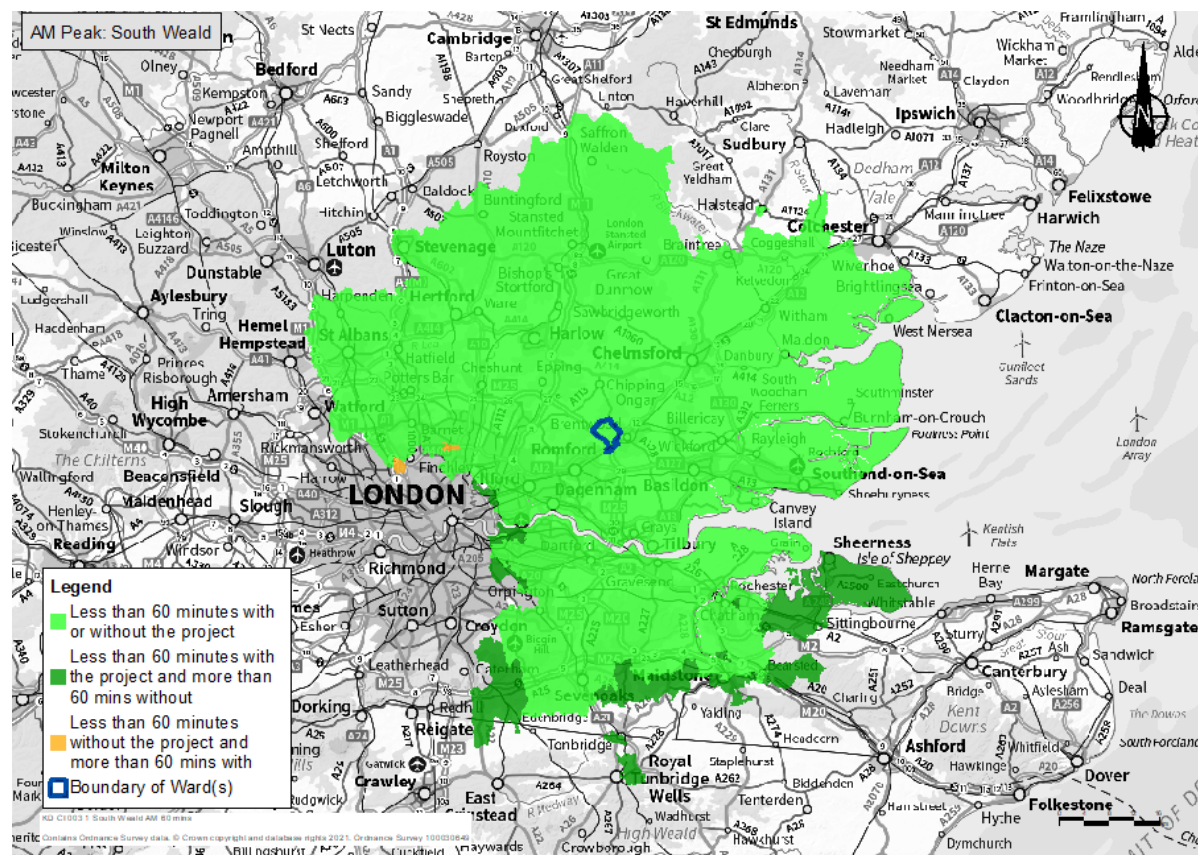


Plate B.73 PM peak 30 minute travel time in Warley

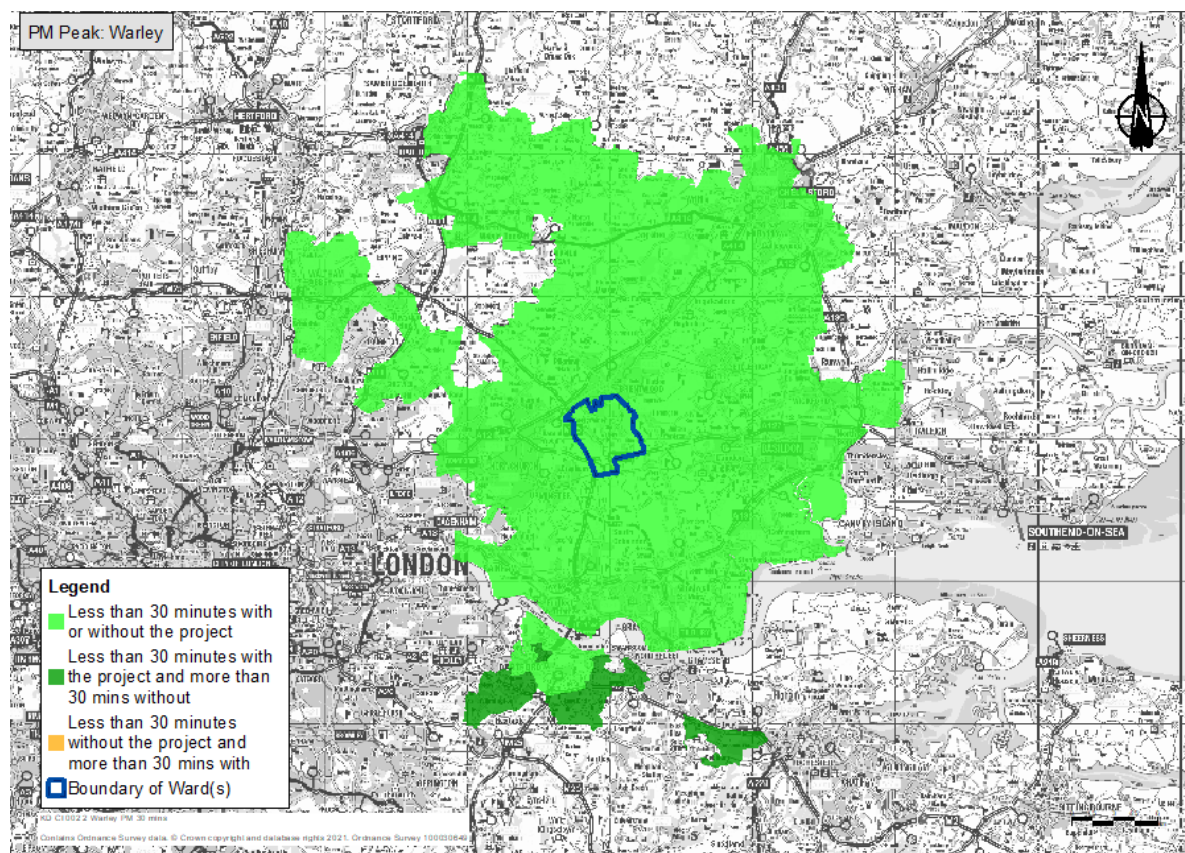


Plate B.74 PM peak 30 minute travel time in South Weald

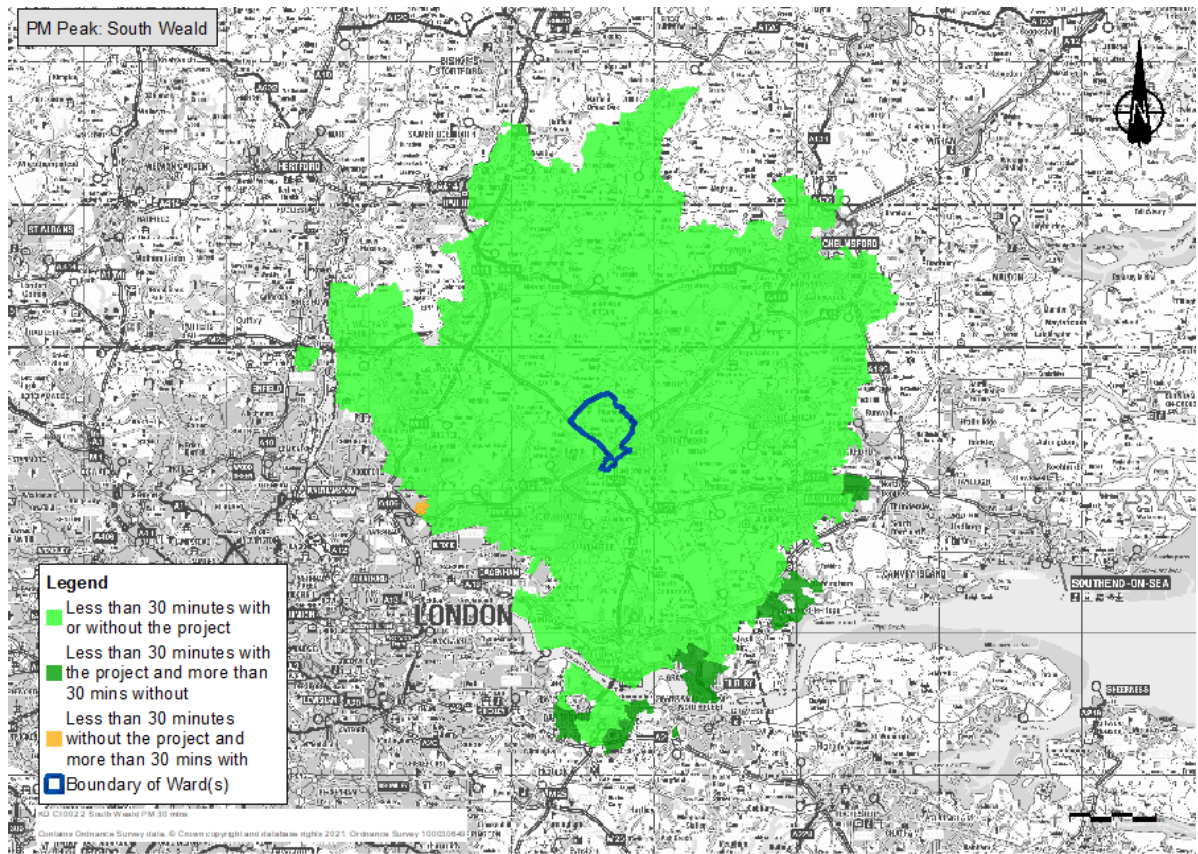


Plate B.75 PM peak 60 minute travel time in Warley

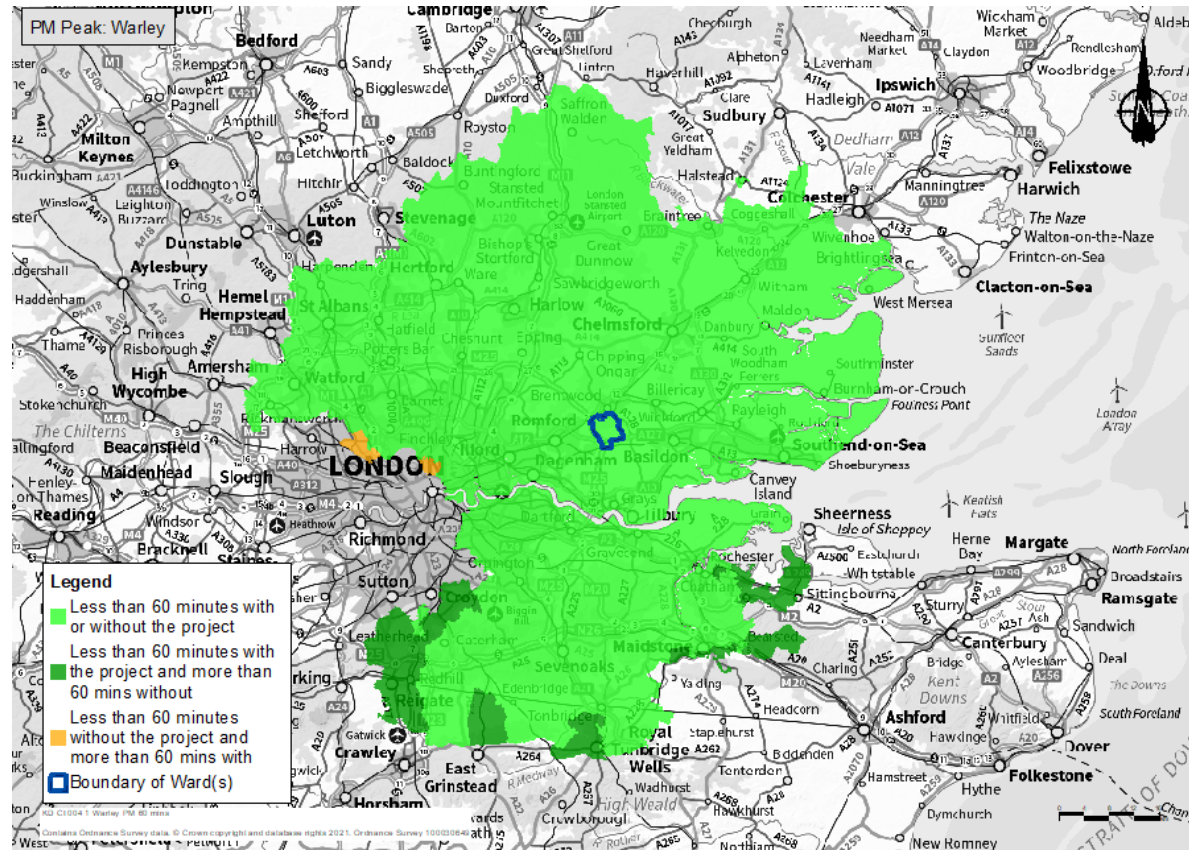
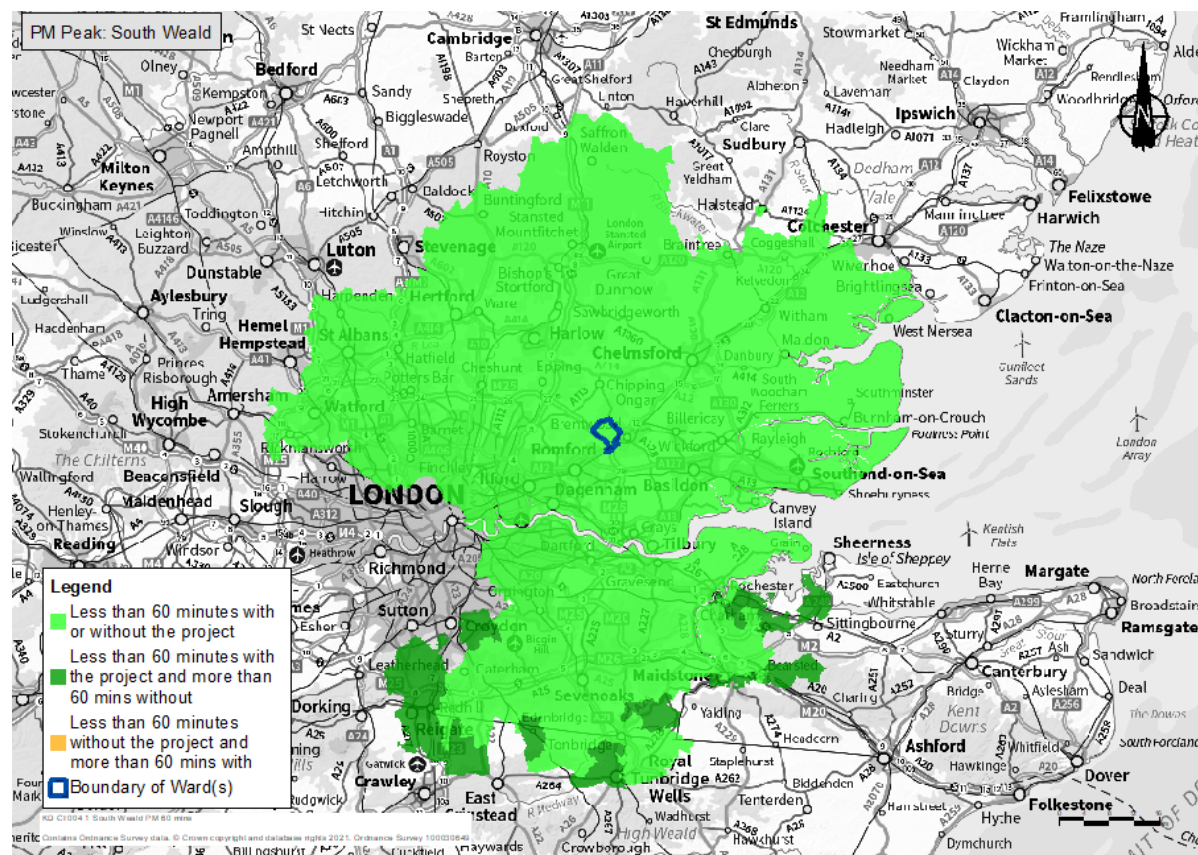


Plate B.76 PM peak 60 minute travel time in South Weald



Medway

Plate B.77 AM peak 30 minute travel time in Medway

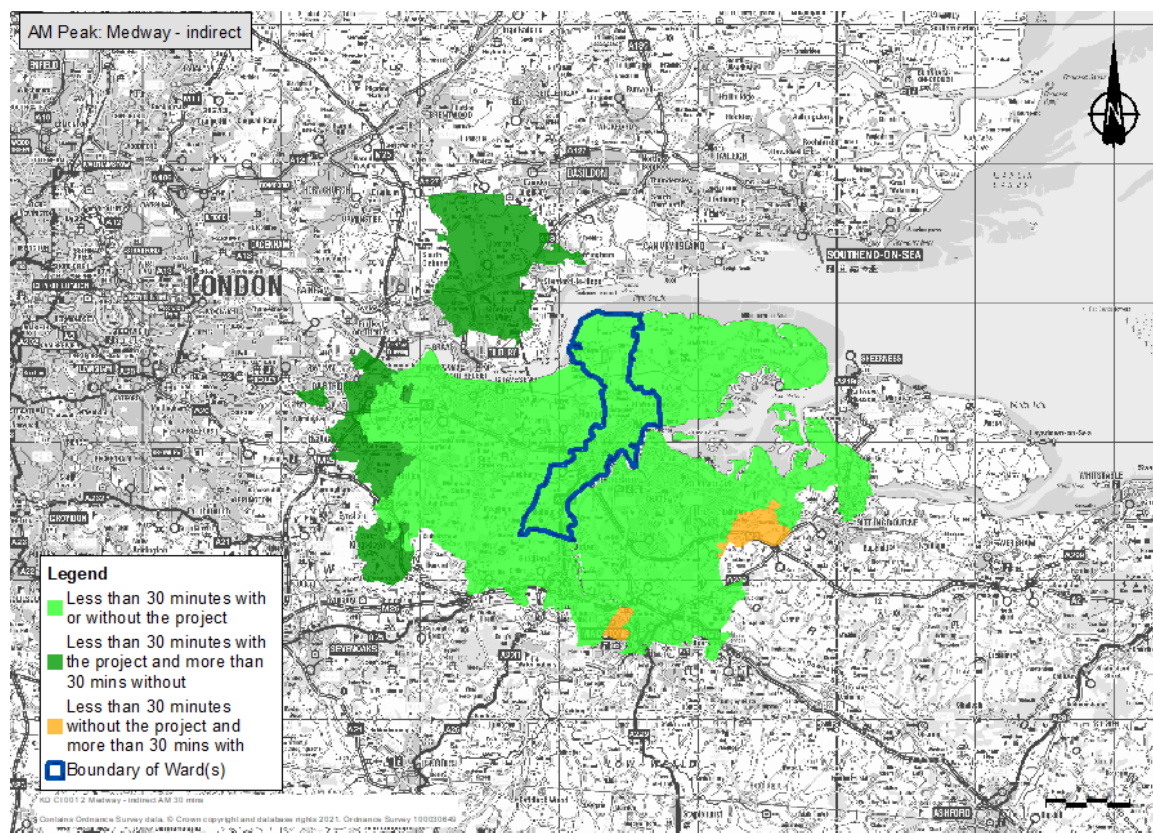


Plate B.78 AM peak 60 minute travel time in Medway

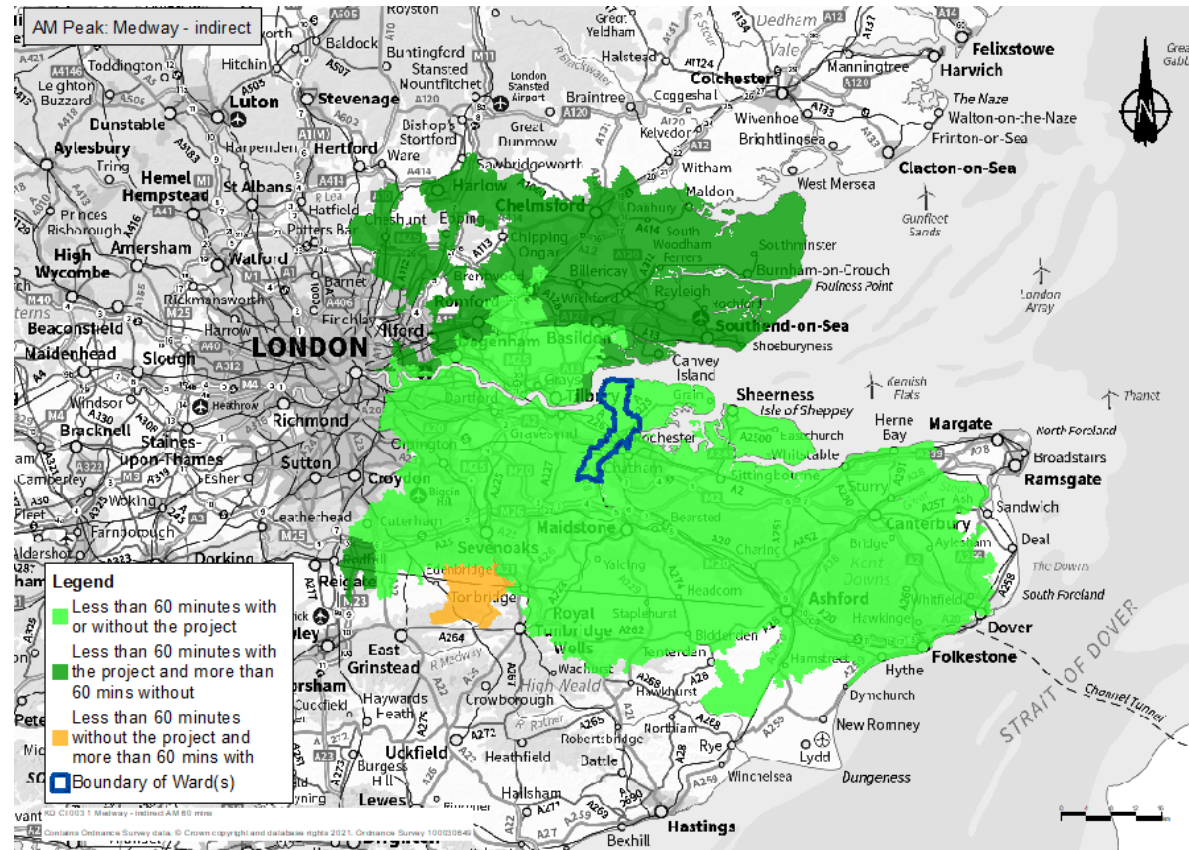


Plate B.79 PM peak 30 minute travel time in Medway

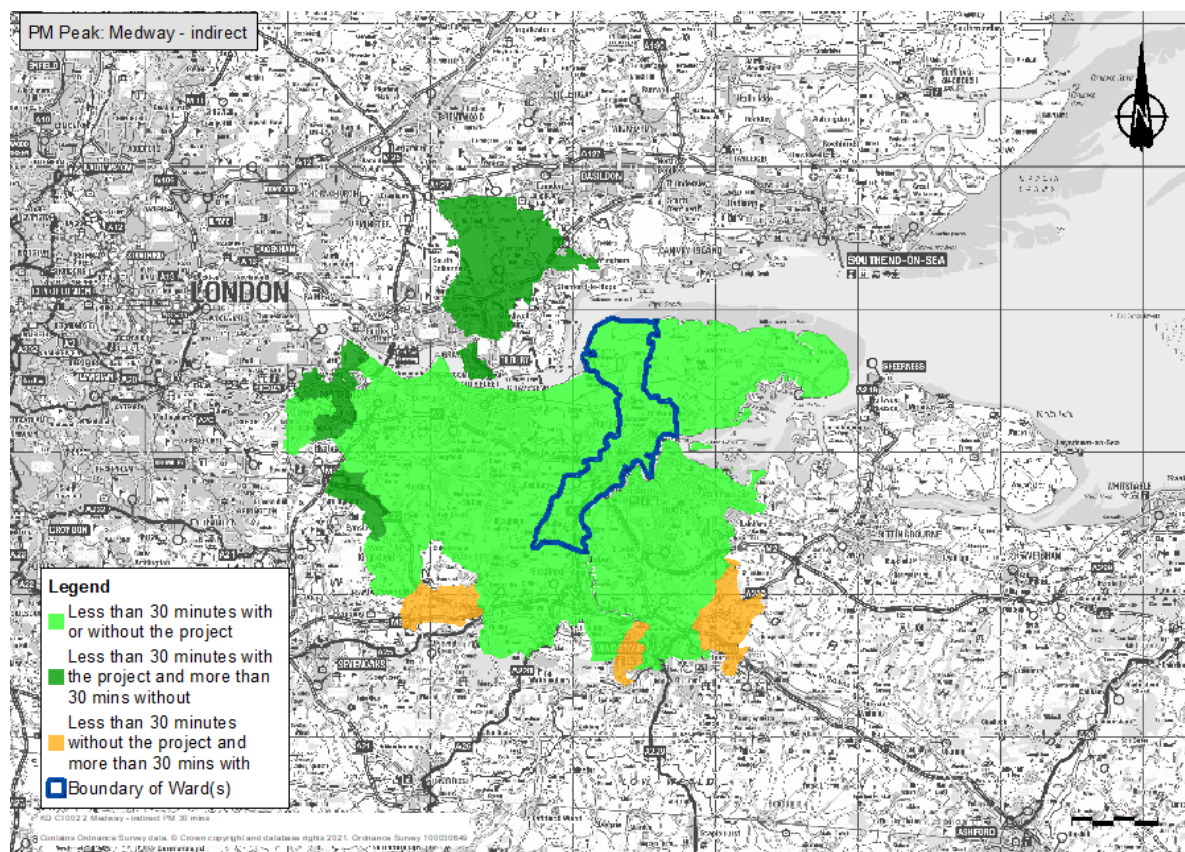
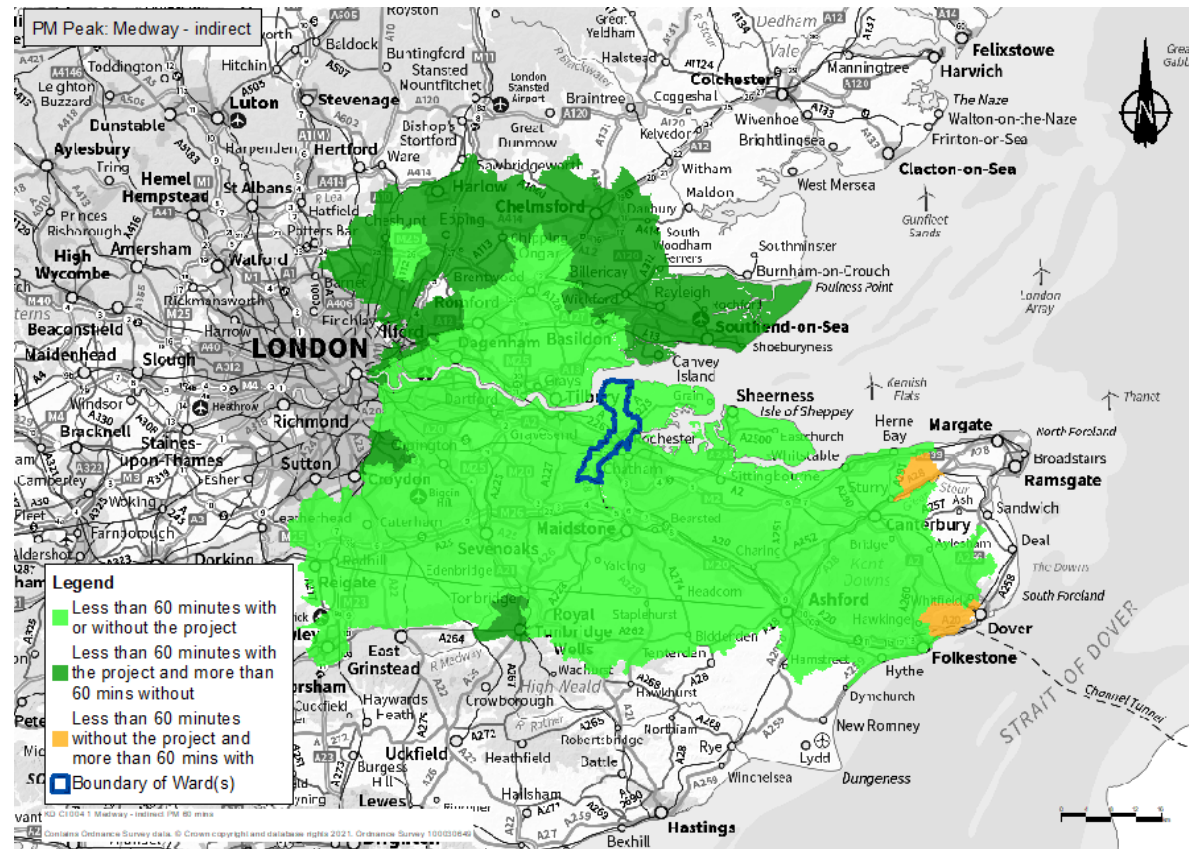


Plate B.80 PM peak 60 minute travel time in Medway



Gravesham

Plate B.81 AM peak 30 minute travel time in Gravesham

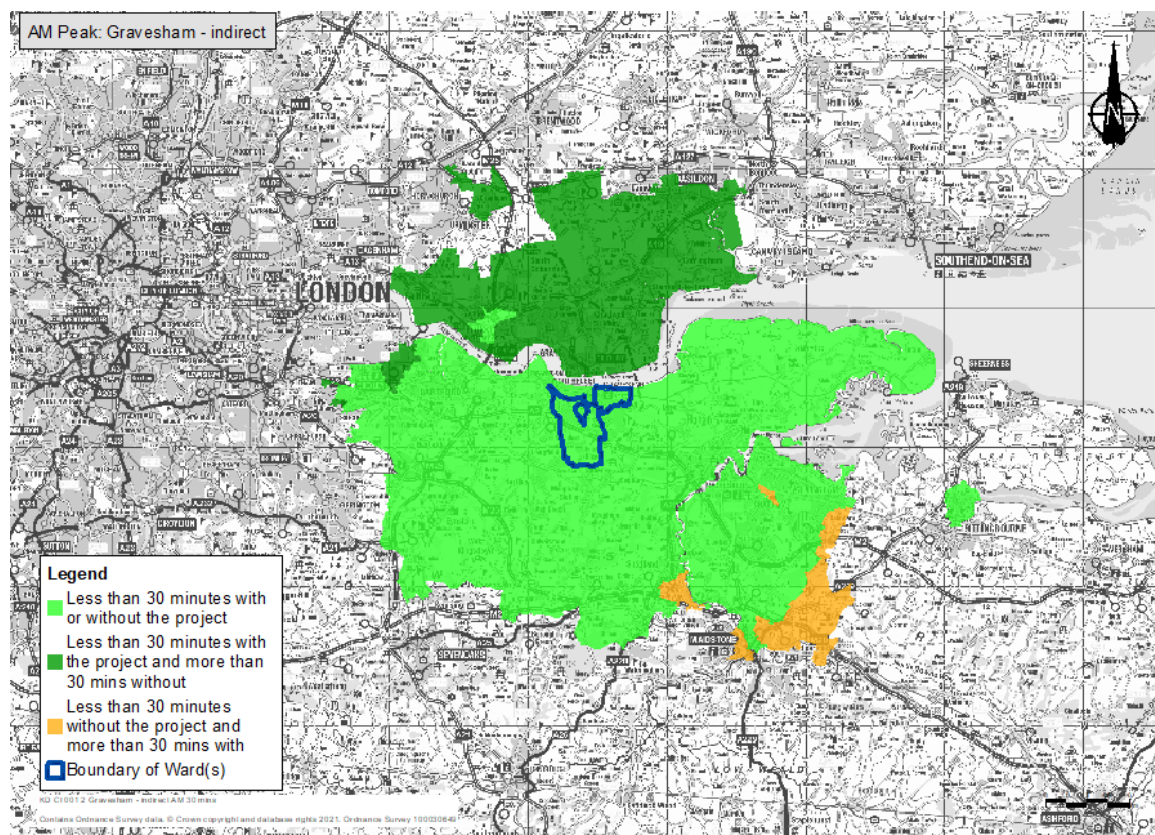


Plate B.82 AM peak 60 minute travel time in Gravesham

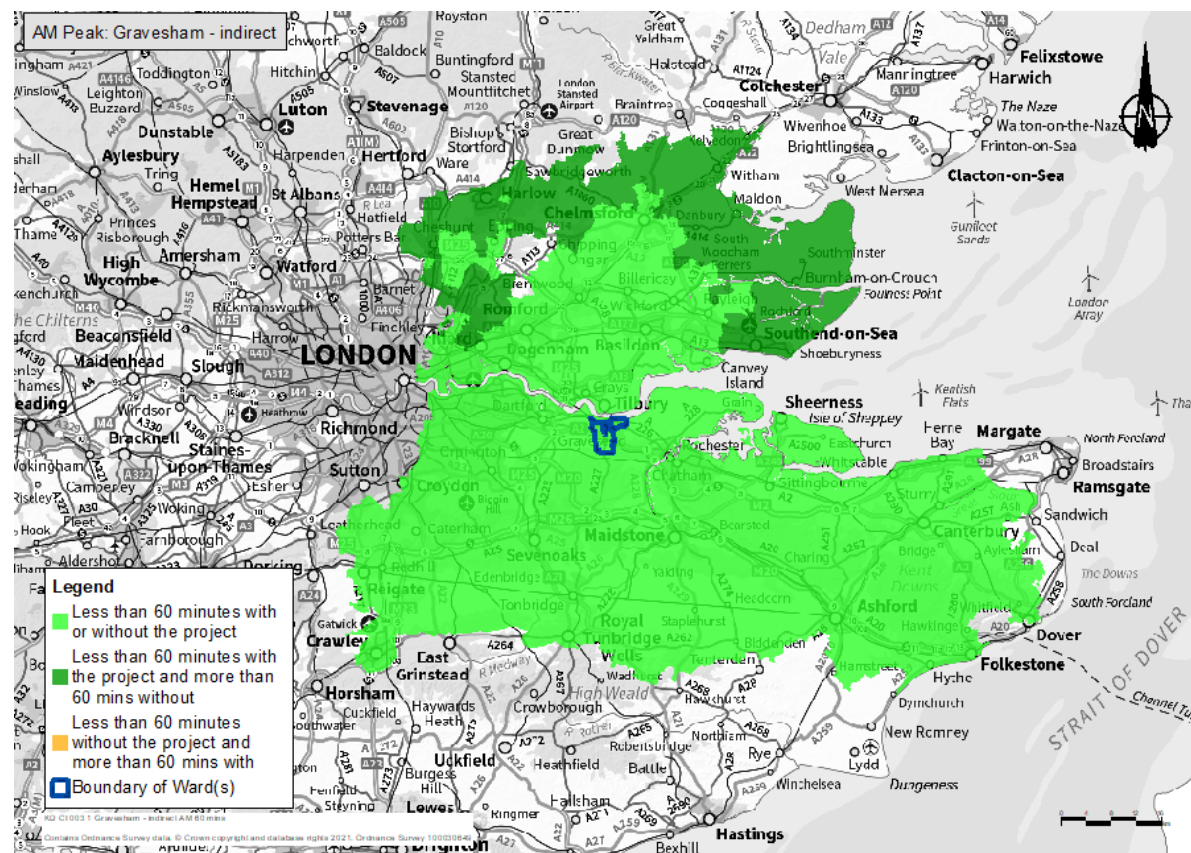


Plate B.83 PM peak 30 minute travel time in Gravesham

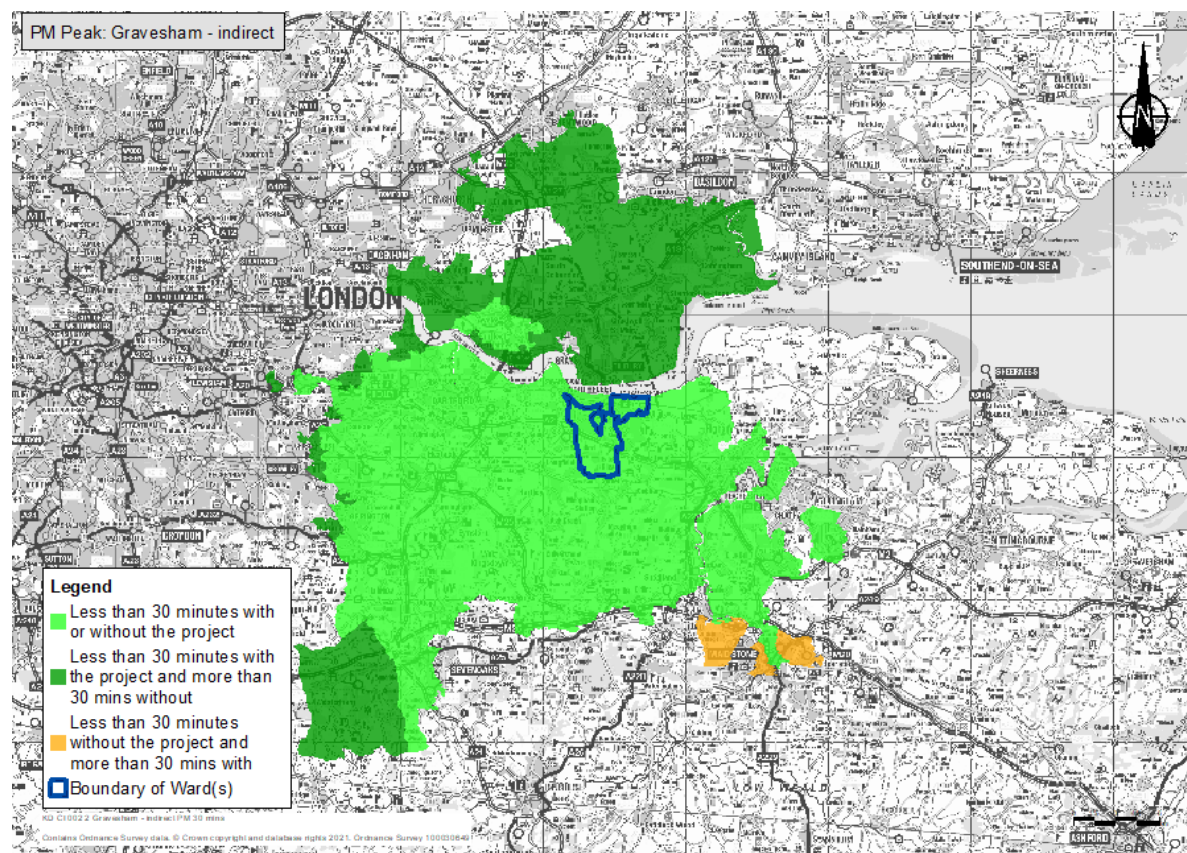
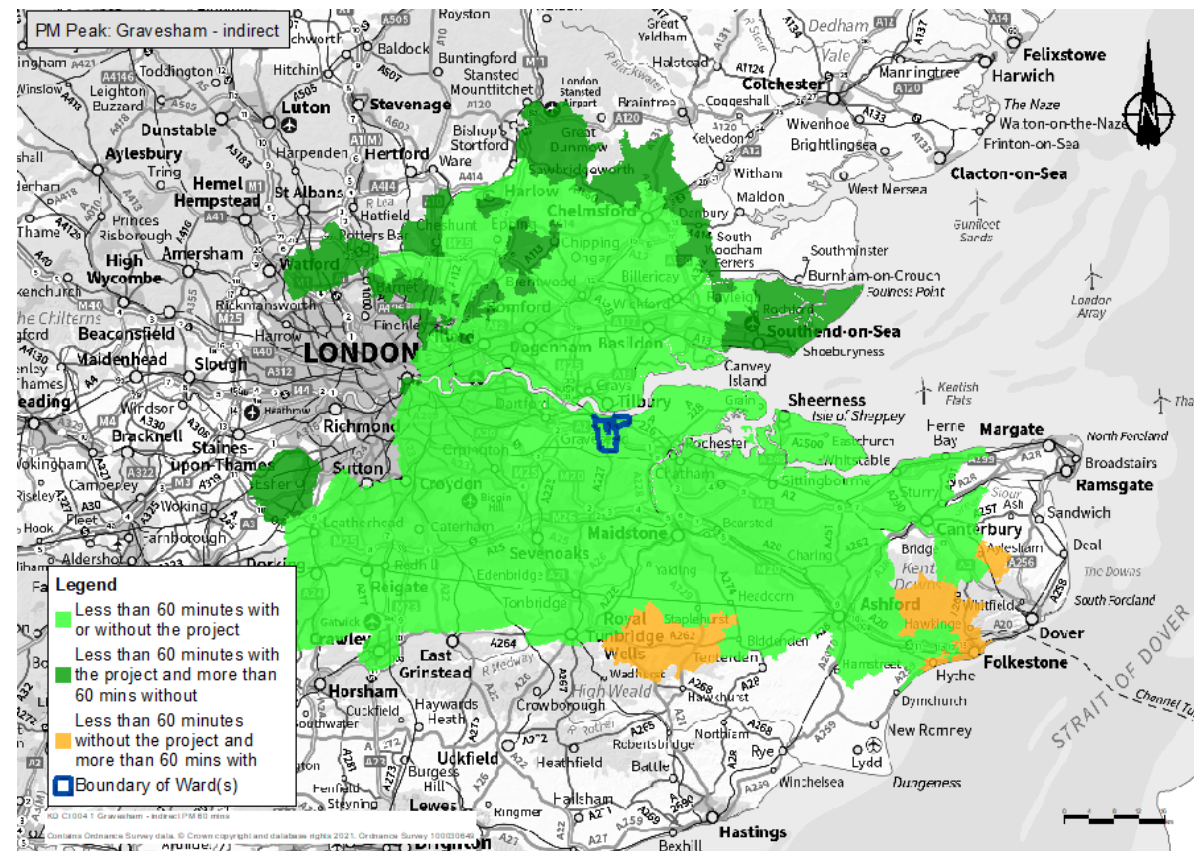


Plate B.84 PM peak 60 minute travel time in Gravesham



Dartford

Plate B.85 AM peak 30 minute travel time in Dartford

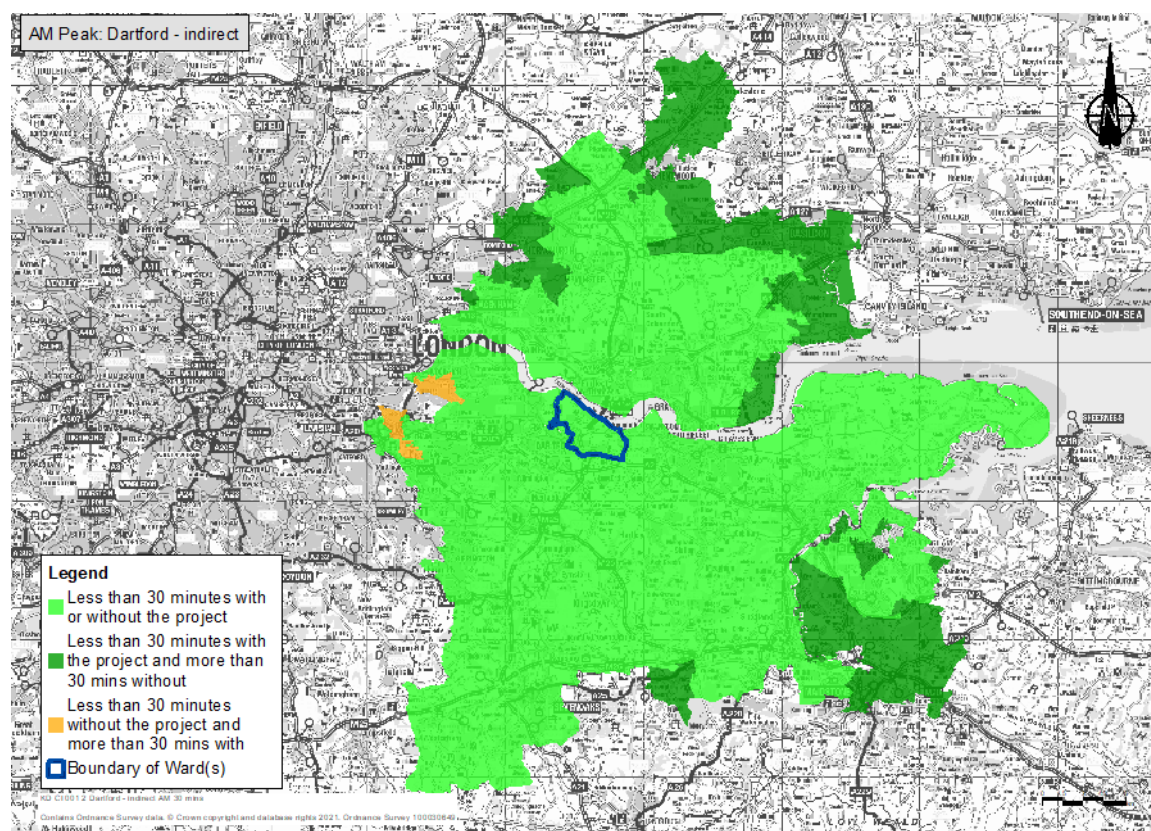


Plate B.86 AM peak 60 minute travel time in Dartford

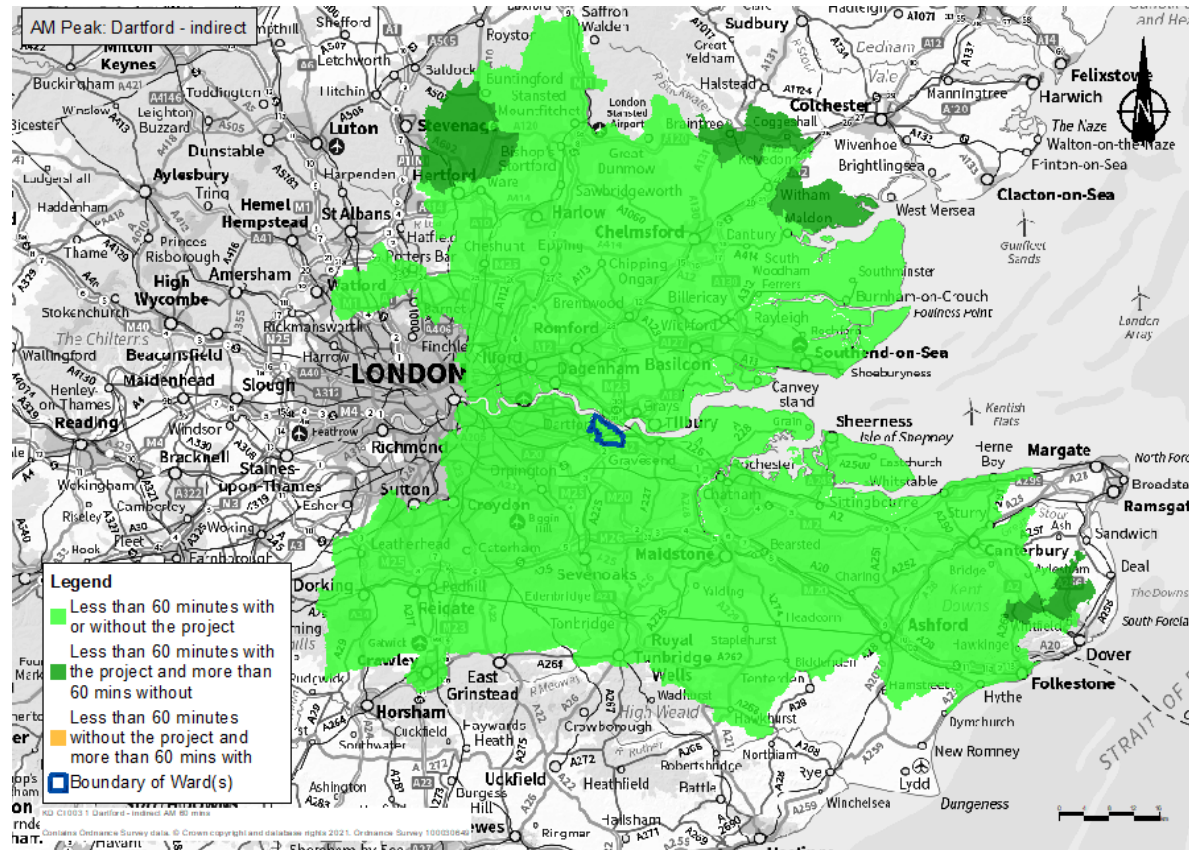


Plate B.87 PM peak 30 minute travel time in Dartford

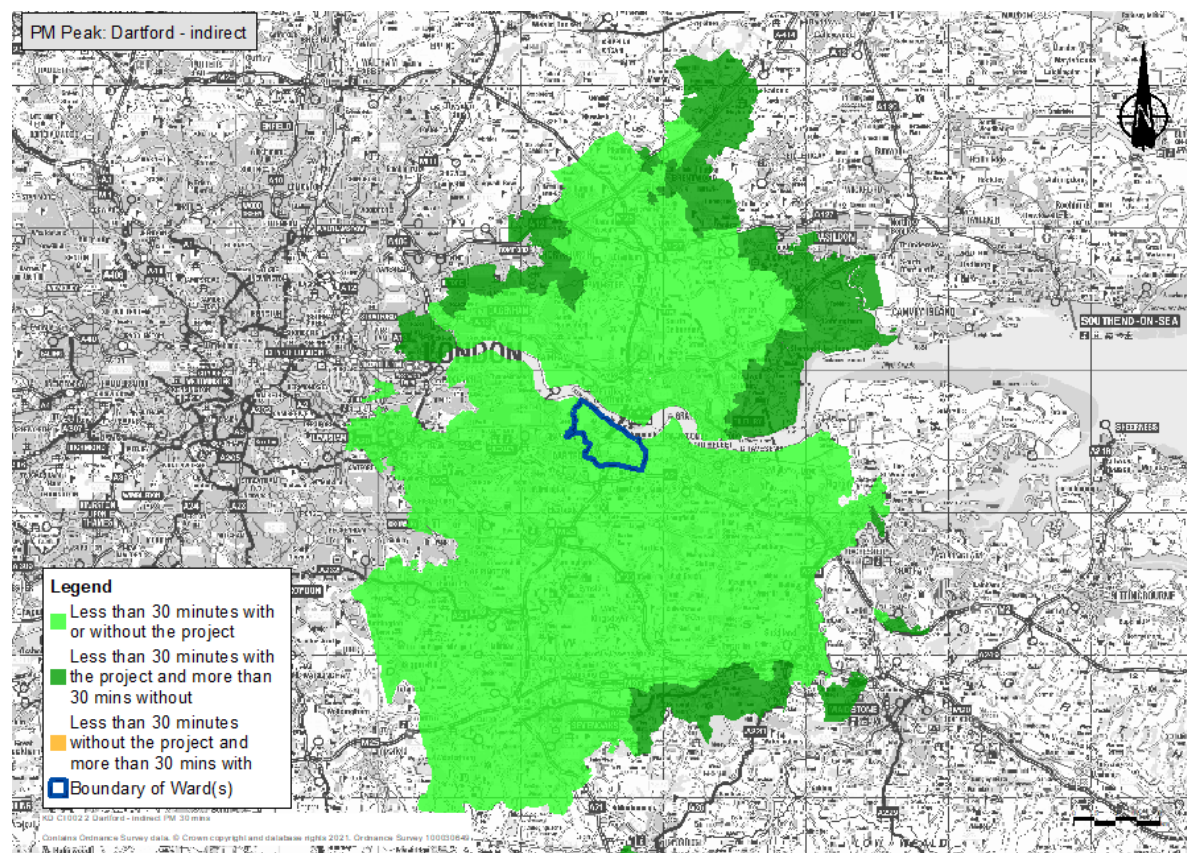
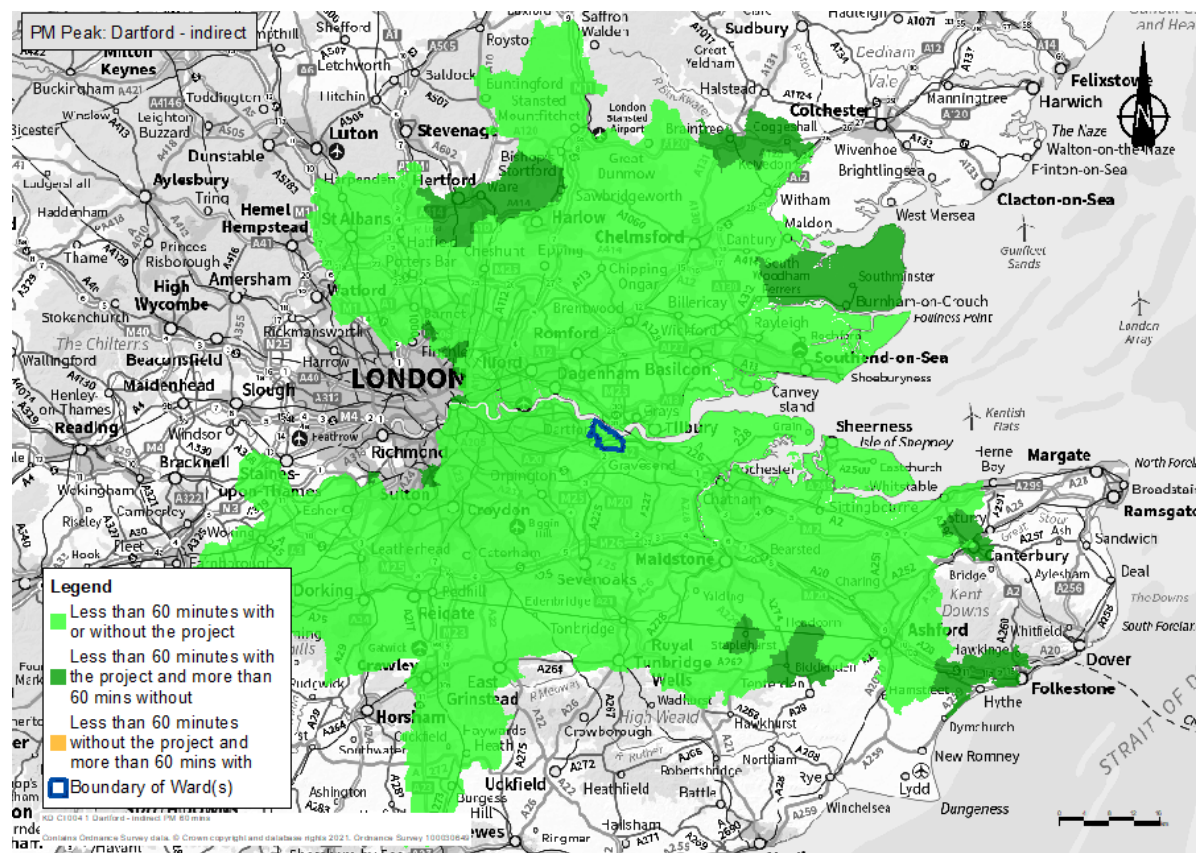


Plate B.88 PM peak 60 minute travel time in Dartford



Thurrock

Plate B.89 AM peak 30 minute travel time in Thurrock

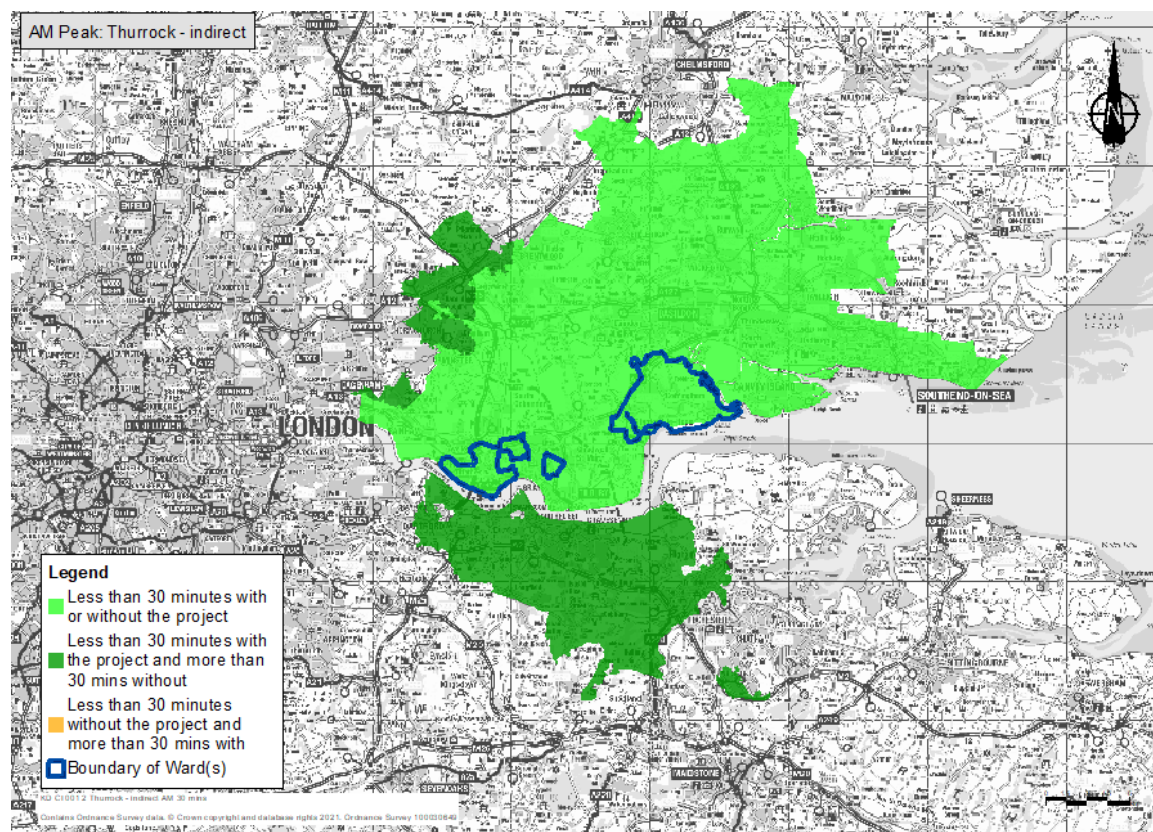


Plate B.90 AM peak 60 minute travel time in Thurrock

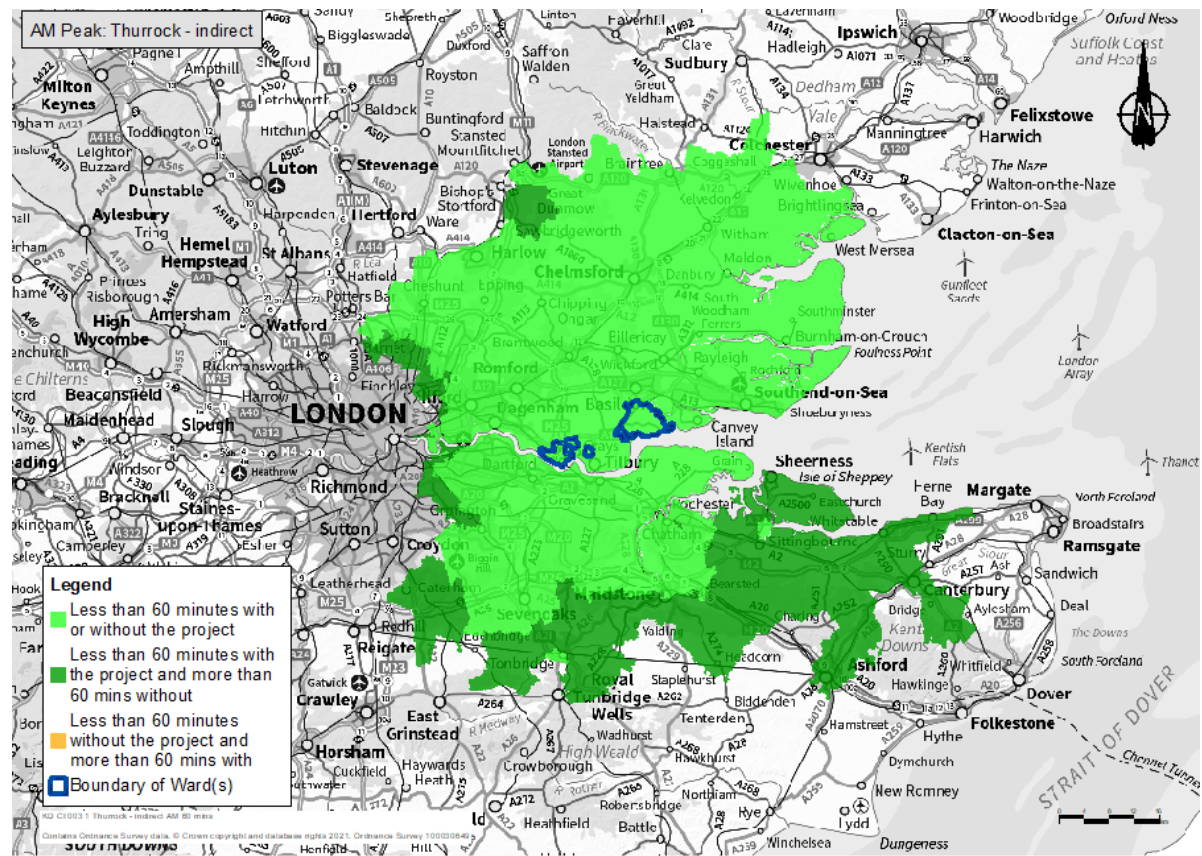


Plate B.91 PM peak 30 minute travel time in Thurrock

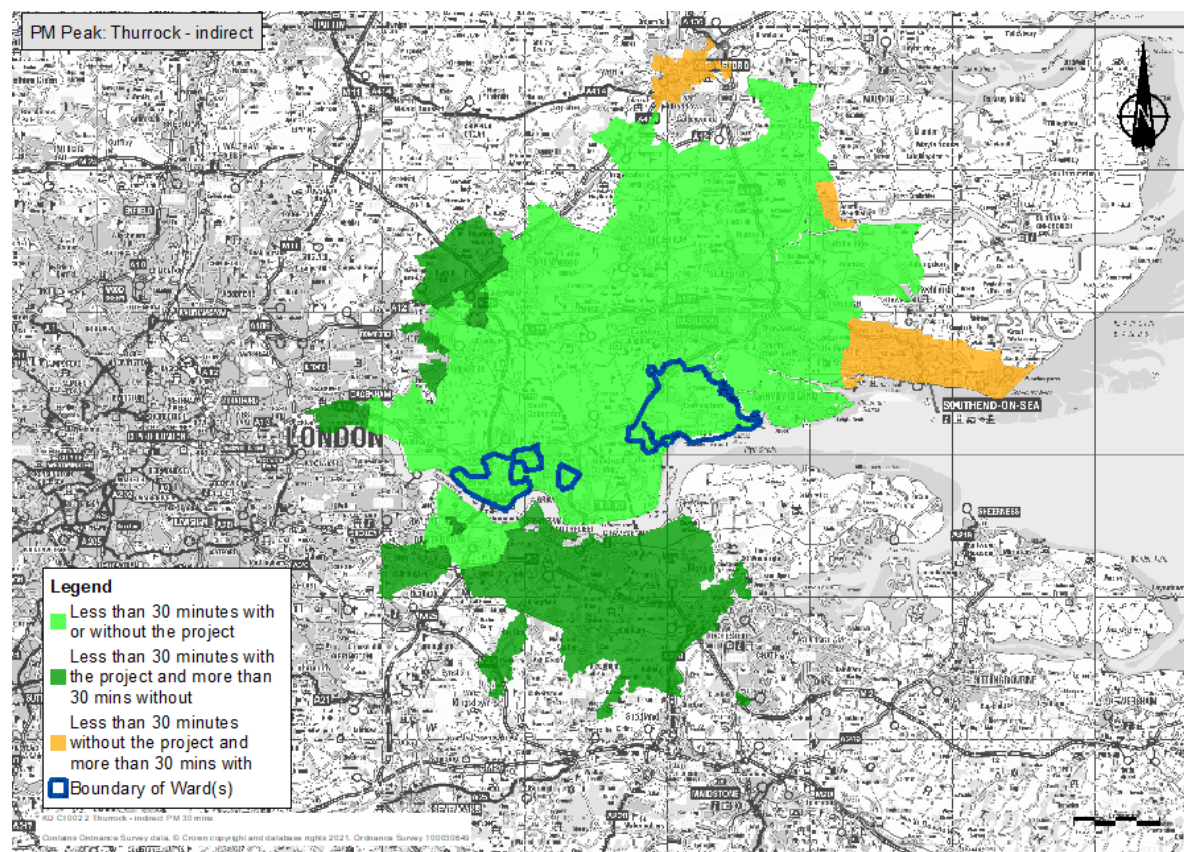
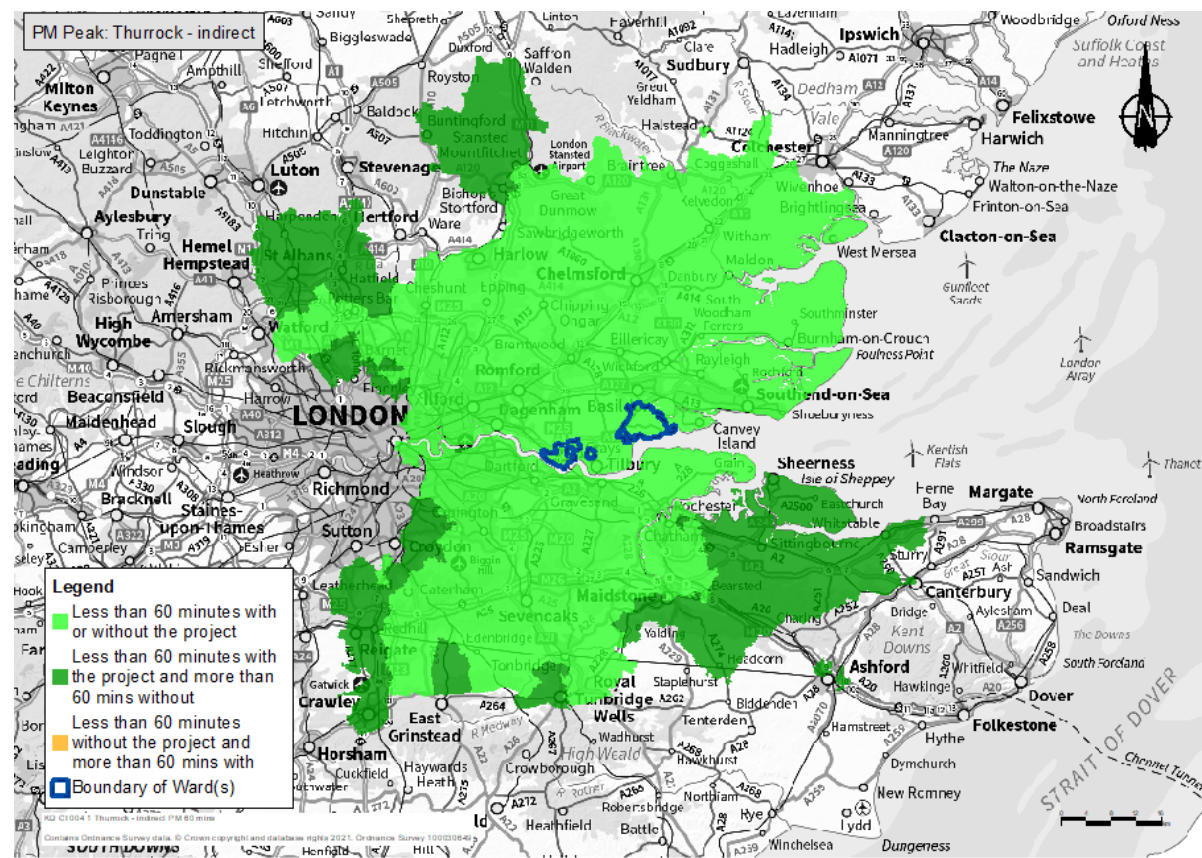


Plate B.92 PM peak 60 minute travel time in Thurrock



Havering

Plate B.93 AM peak 30 minute travel time in Havering

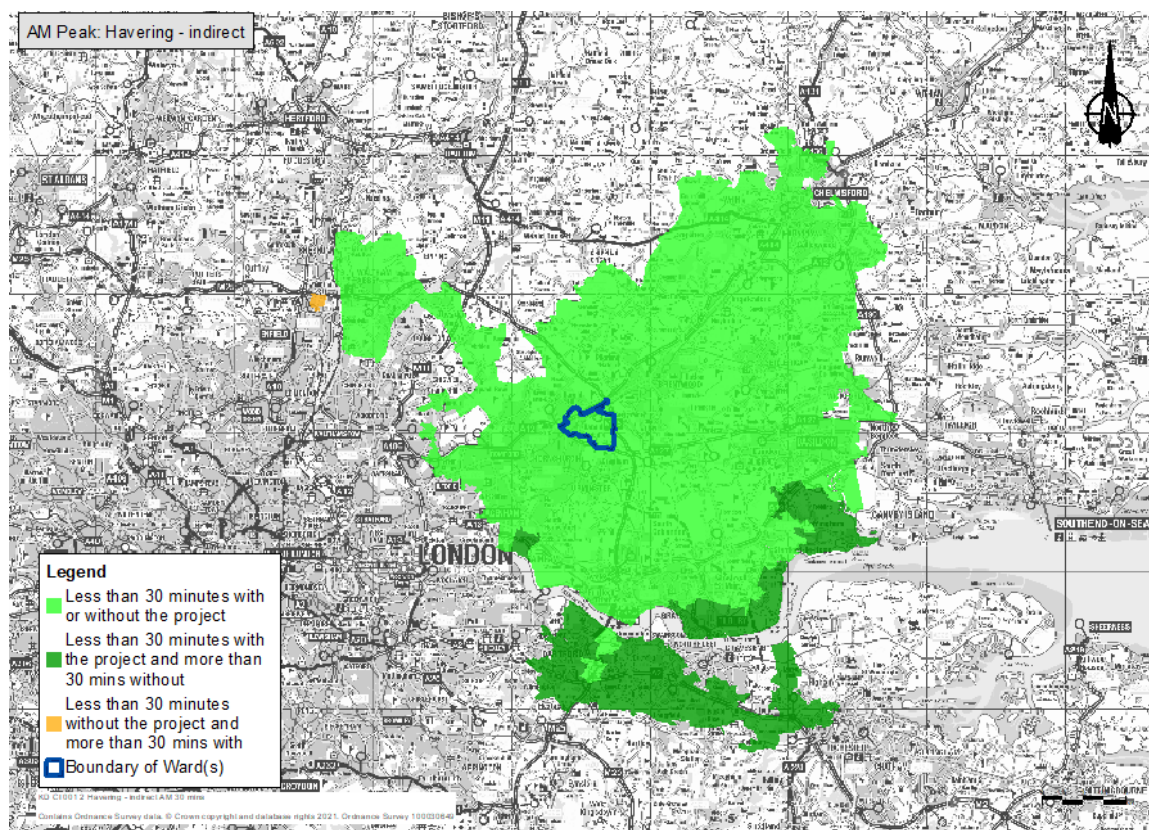


Plate B.94 AM peak 60 minute travel time in Havering

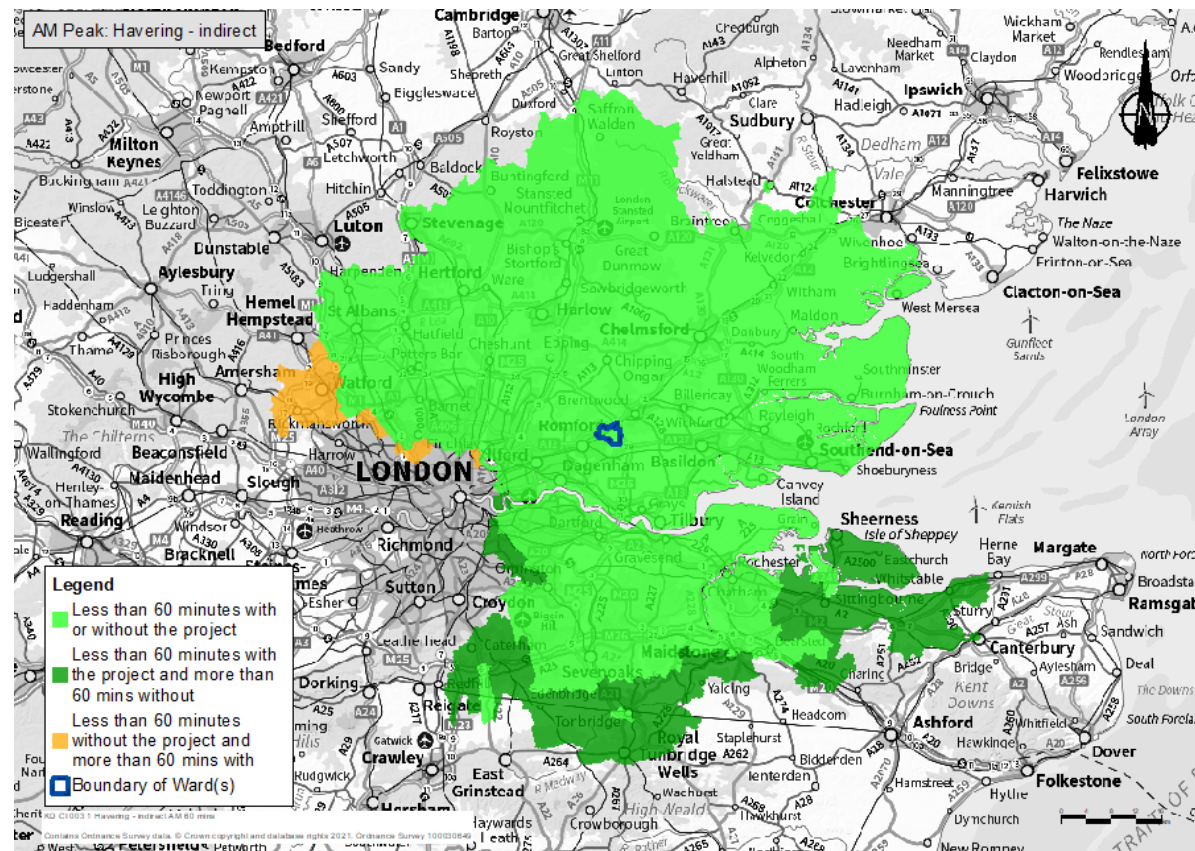


Plate B.95 PM peak 30 minute travel time in Havering

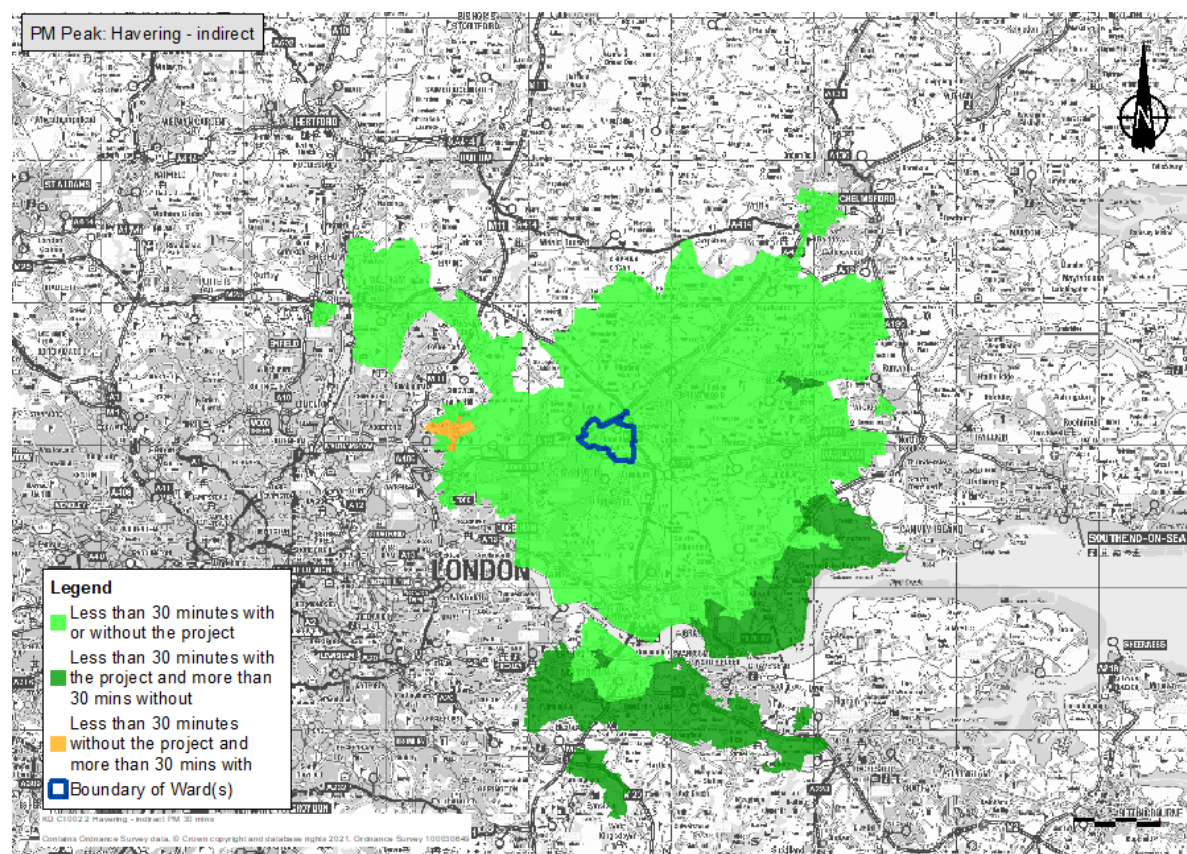
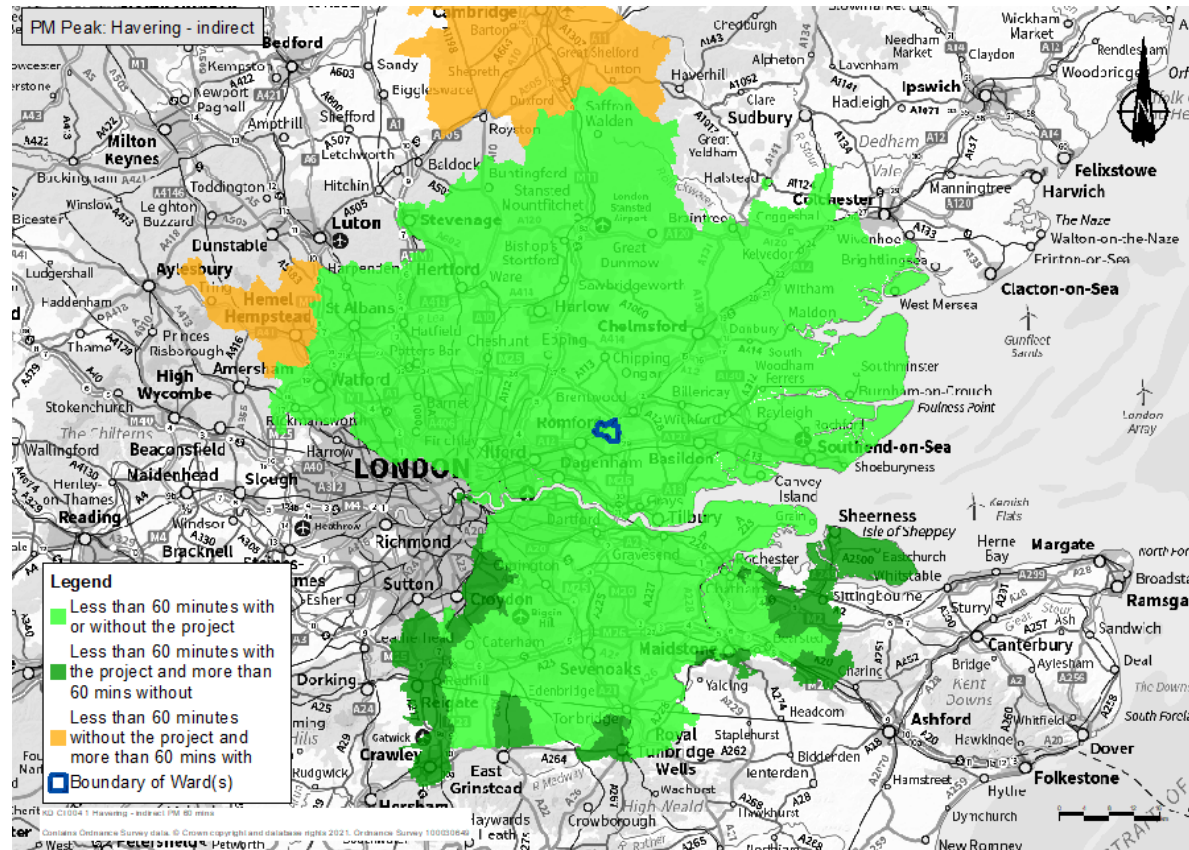
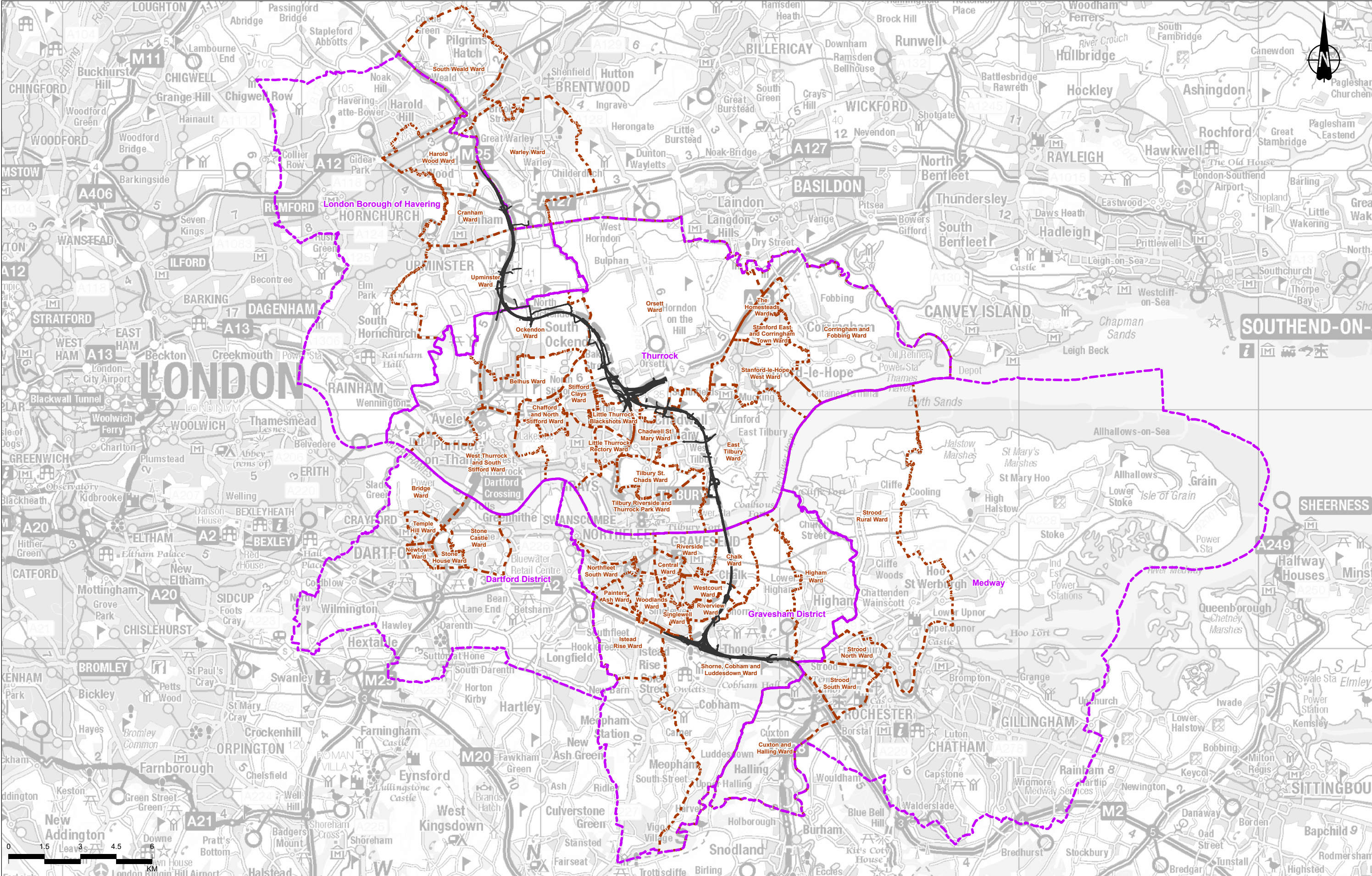


Plate B.96 PM peak 60 minute travel time in Havering



Appendix C Figures



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P01 S8 18/10/2022 DCO Application SW SW BF

Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Legend

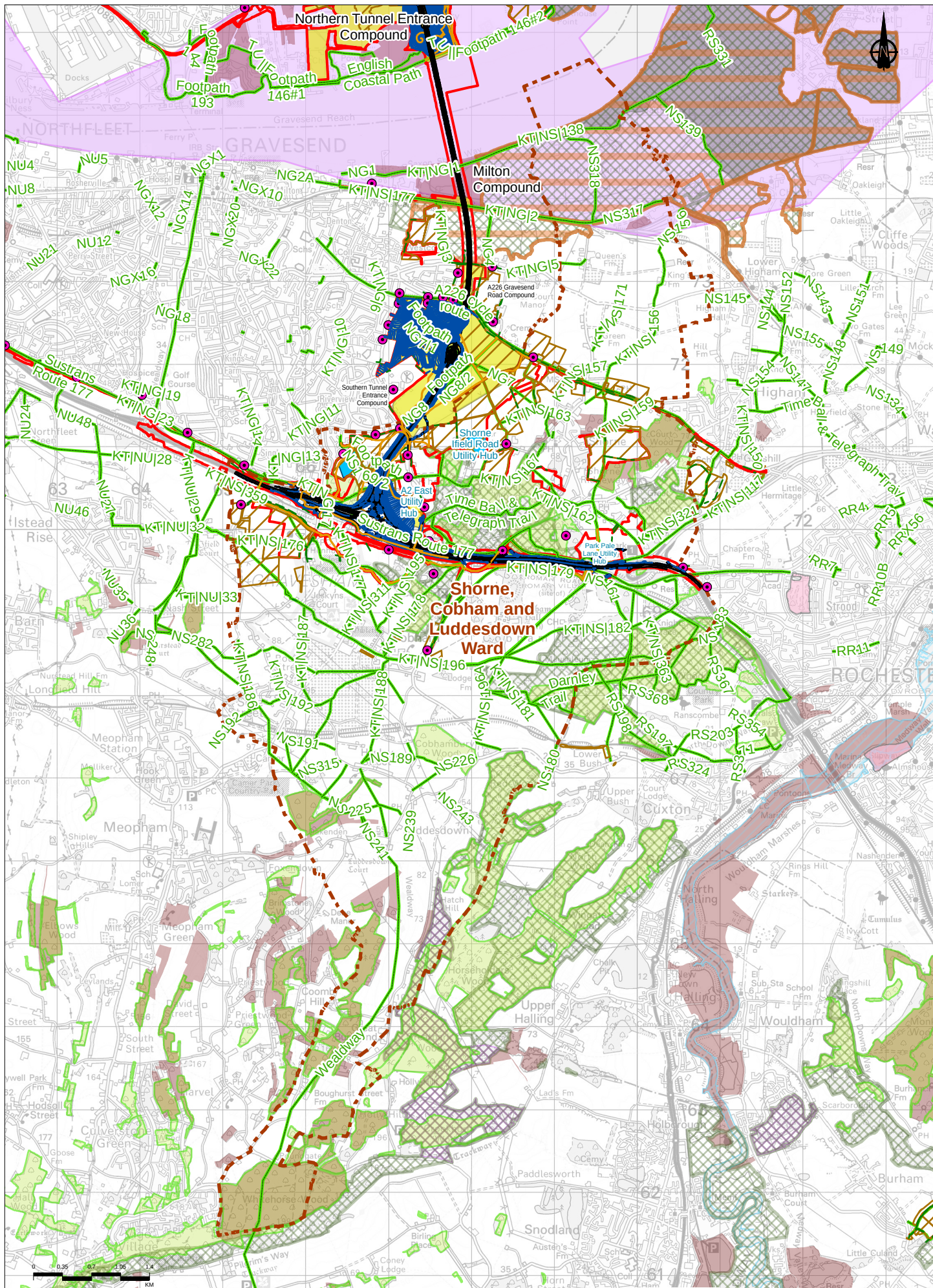
- Route alignment
- District/borough/unitary council region
- Electoral ward boundary

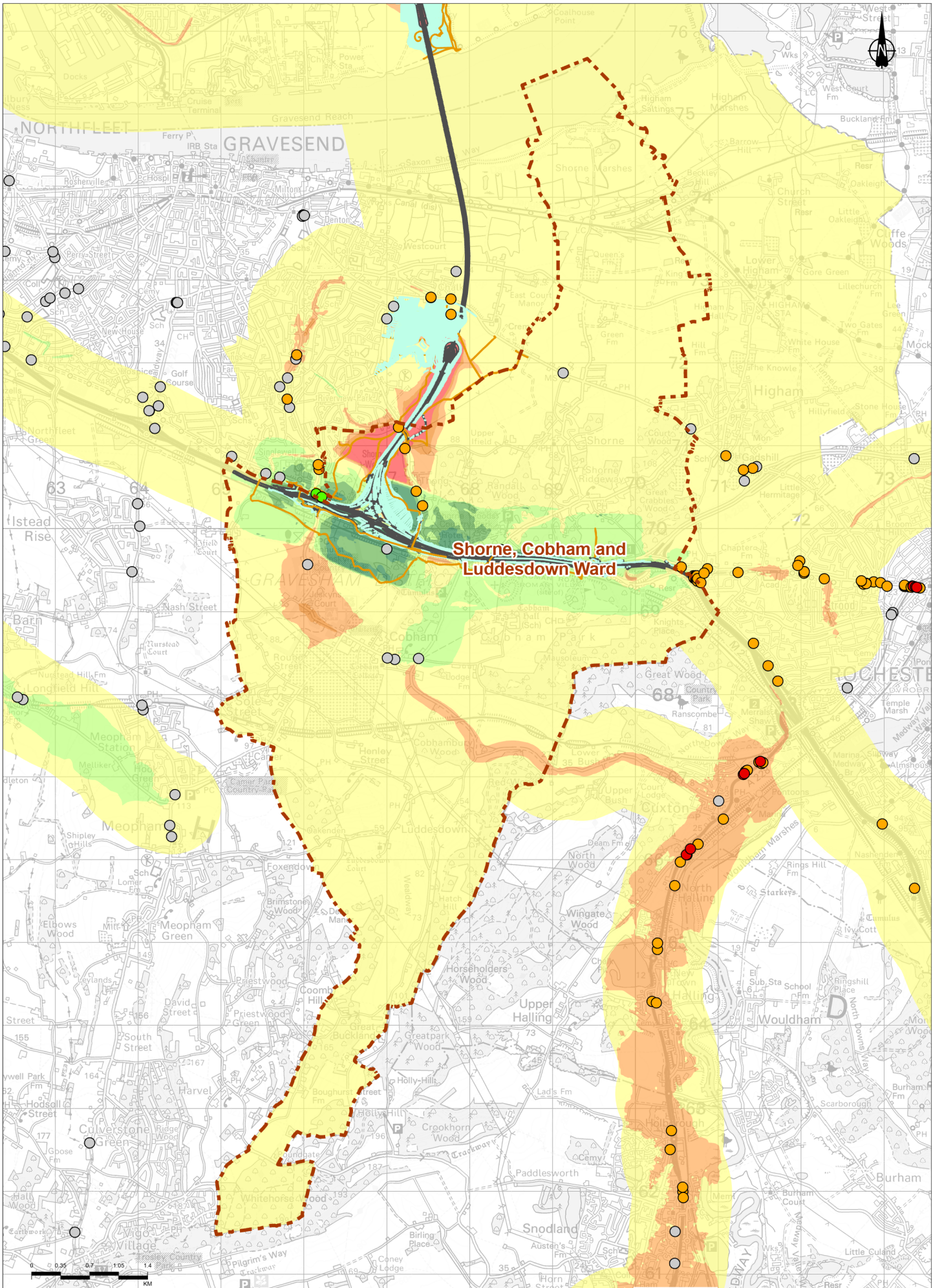
Client

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:145,000		
Drawing Title	Figure 3.1 - Overview map of local authority areas and wards				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80001				
Z:\Environment\Community Impacts Report\Figure 3-1 - Overview map of districts and wards.aprx					





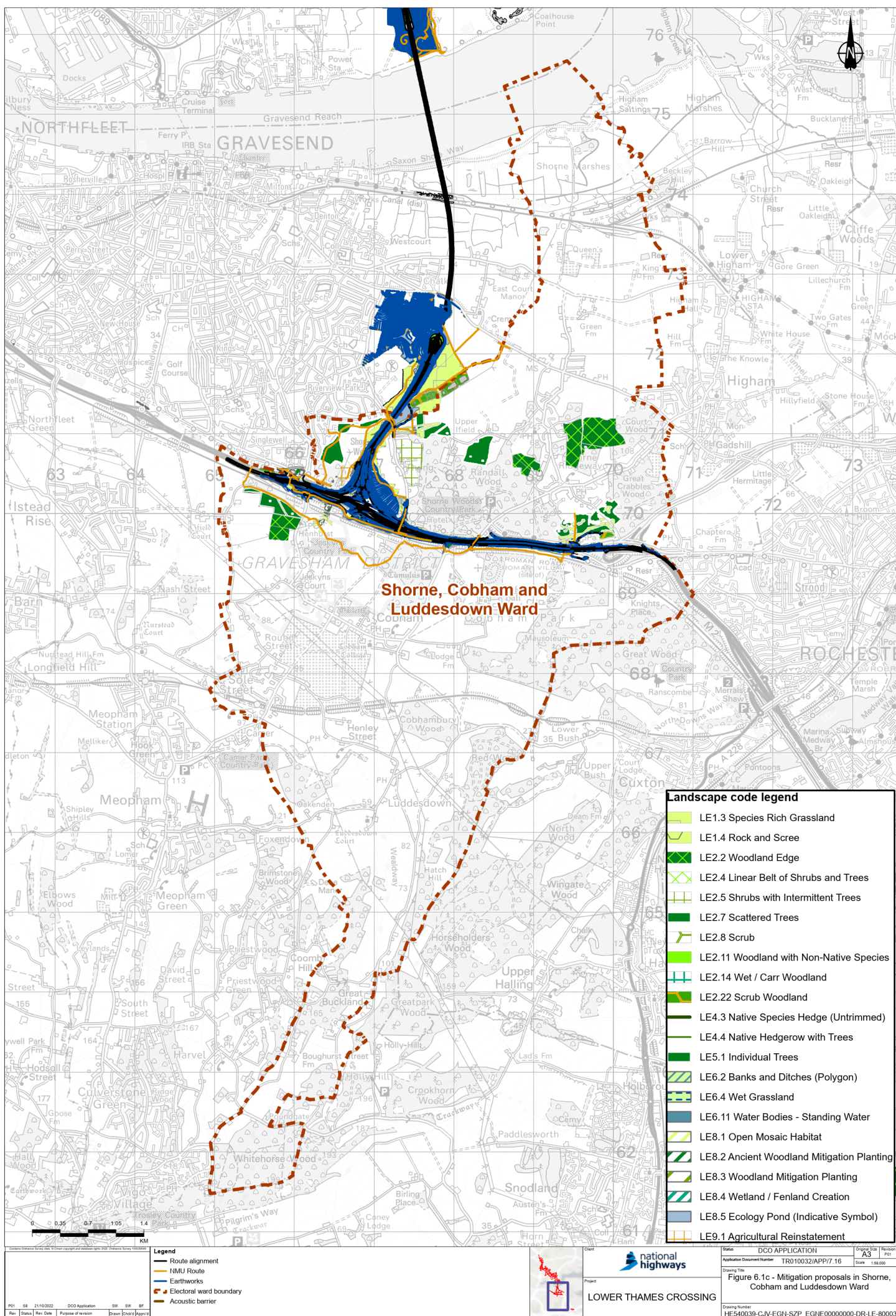
Shorne, Cobham and Luddesdown Ward

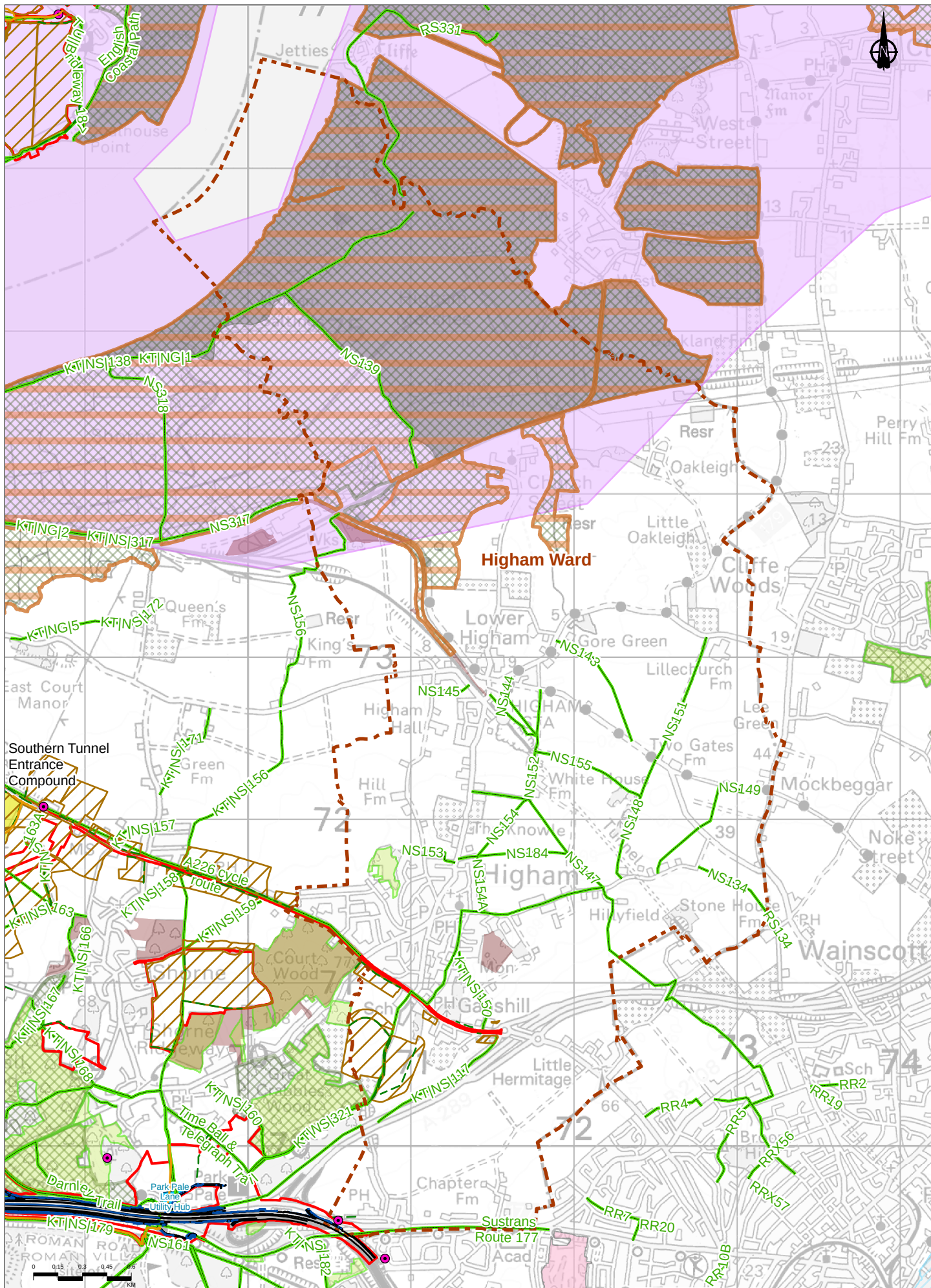
Legend		Operation Change in Road Traffic Noise Opening Year		No Change/Negligible, less than 1dB(A)		Degree of change in annual average nitrogen dioxide (NO₂) concentrations		● Negligible	
Route alignment		Major noise reduction, 5dB(A) or more		Minor noise increase, 1 to 2.9dB(A)		A worsening in air quality (in NO ₂ where Air Quality Strategy objective is exceeded)		● A minor improvement in air quality	
Earthworks		Moderate noise reduction, 3 to 4.9dB(A)		Moderate noise increase, 3 to 4.9dB(A)		A minor worsening in air quality			
NNU Route		Minor noise reduction, 1 to 2.9dB(A)		Major noise increase, 5dB(A) or more					
Electoral ward boundary									

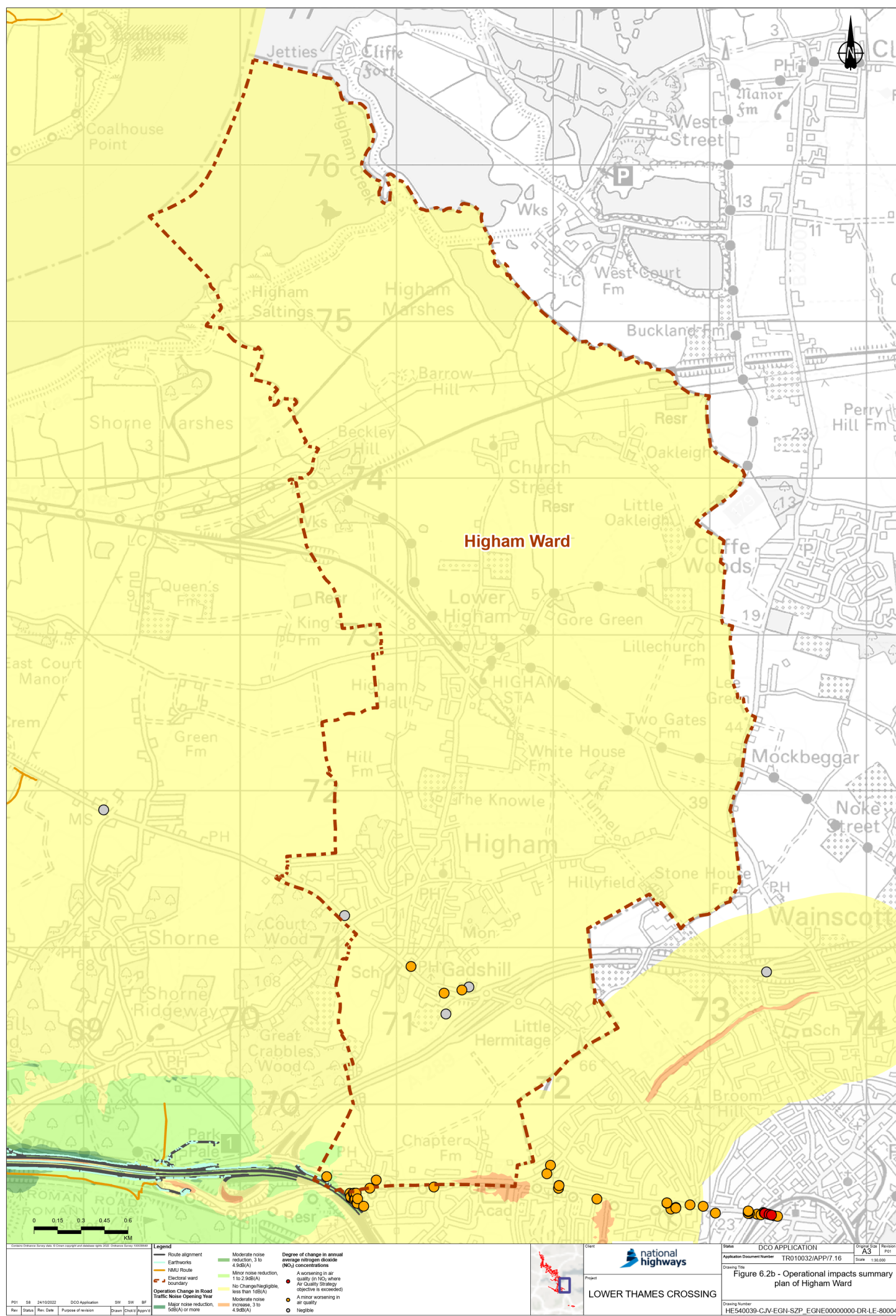
national highways

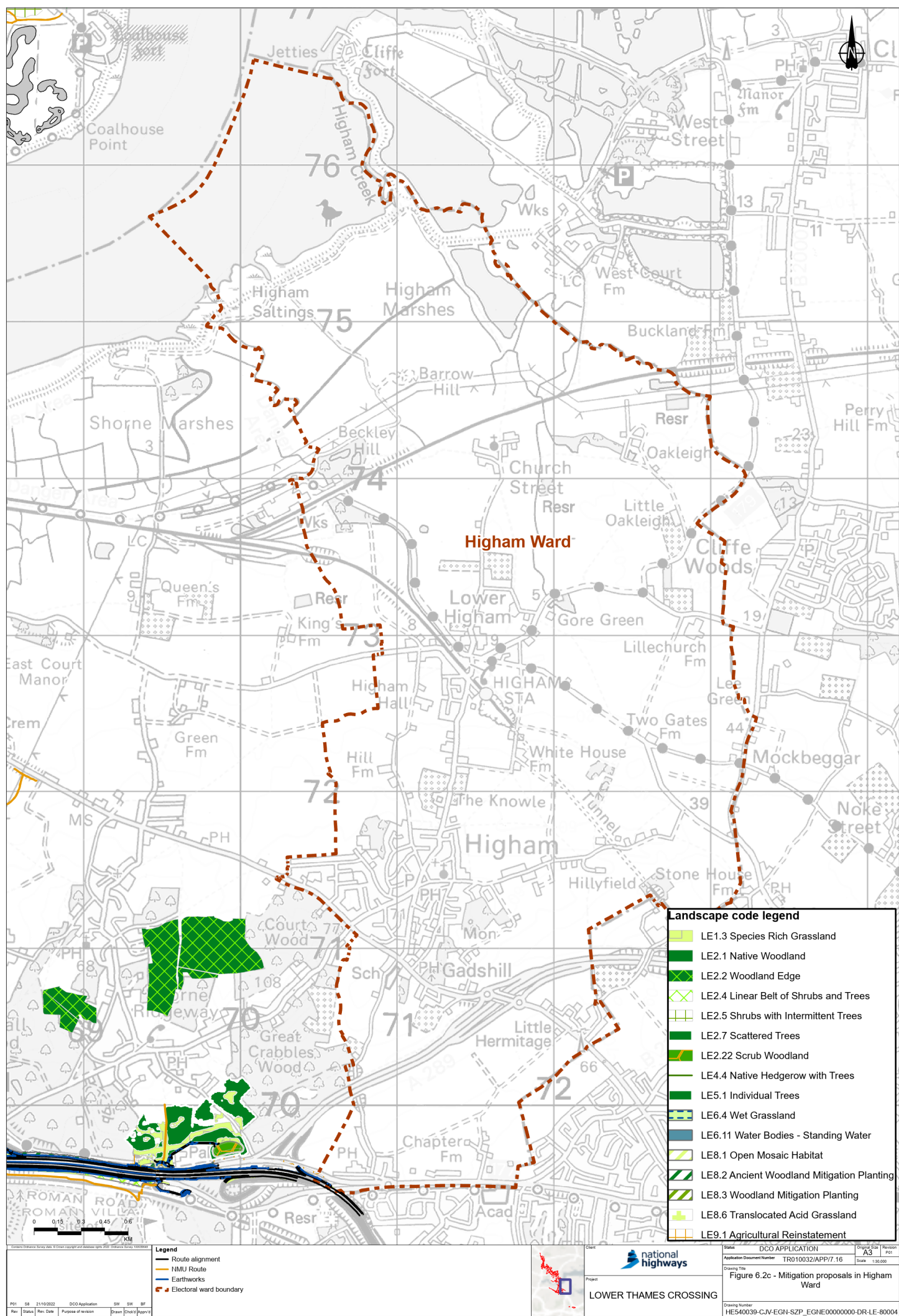
LOWER THAMES CROSSING

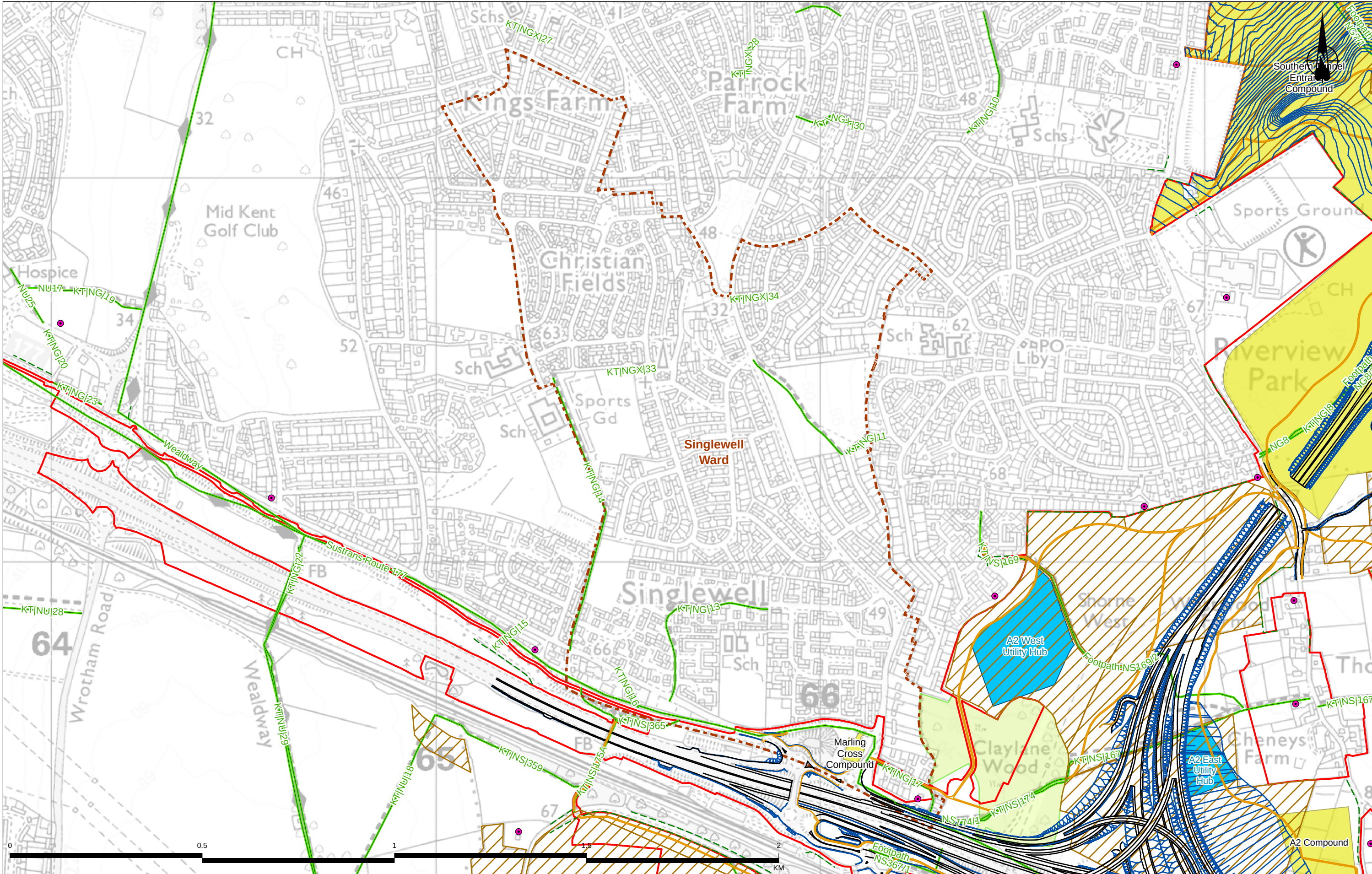
DCO APPLICATION		A3	
Application Document Number: TR010032/APP/7.16		Scale: 1:50,000	
Drawing Number: HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80003			
2:EnvironmentCommunity Impacts Report Figure 6b - Operational Impacts Summary Plan, April			









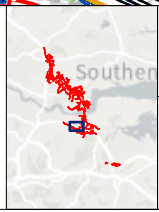


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P01	S8	21/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend

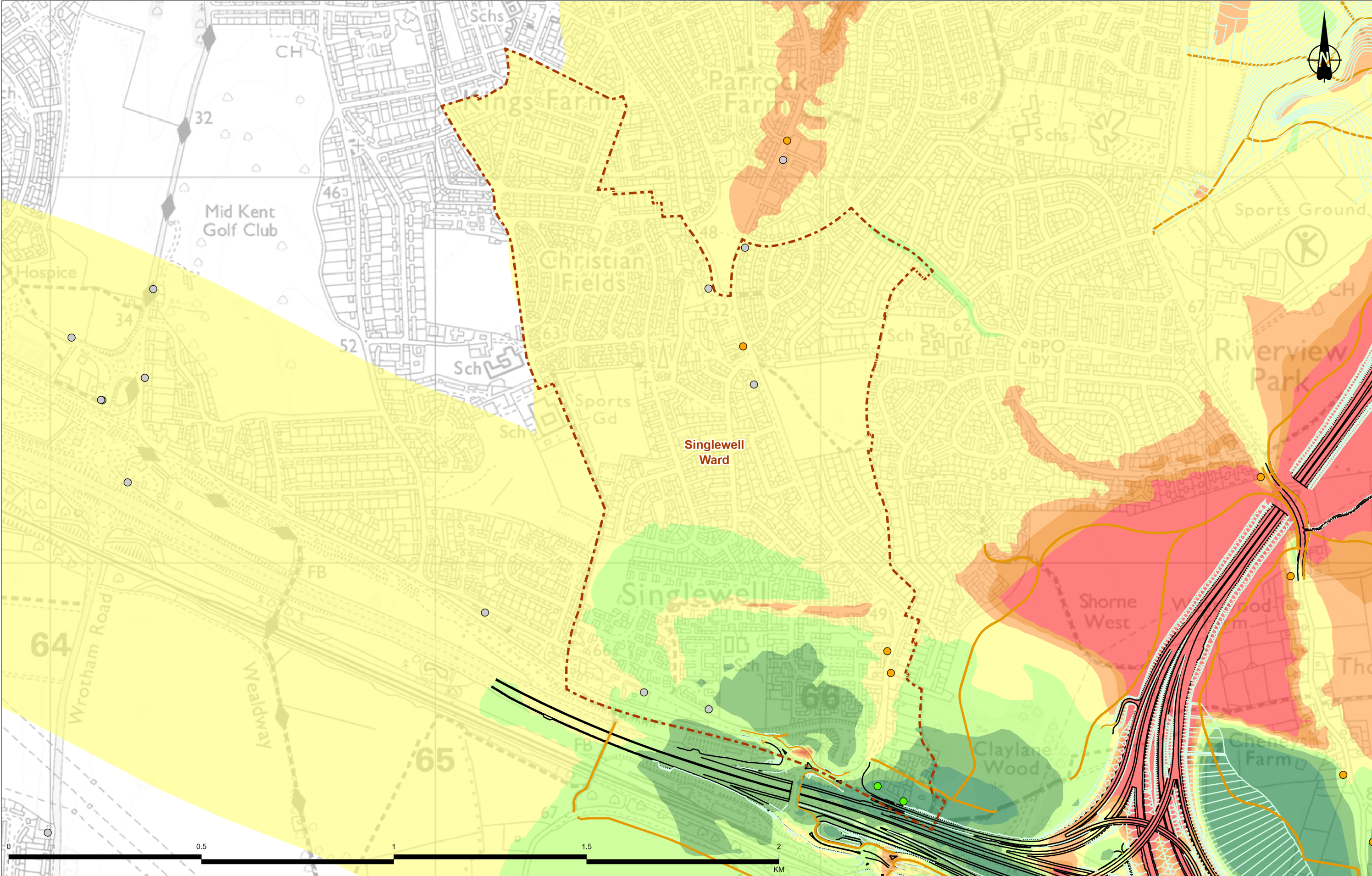
Route alignment	Main works construction compound	Site of Special Scientific Interest
NMU route	Utility Logistics Hub	Arable field
Earthworks	Construction noise receptor	Hedgerow
Order Limits	Existing Public Right of Way	
Electoral ward boundary	Ancient Woodland	



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:9,000		
Drawing Title	Figure 6.3a - Construction impacts summary plan of Singlewell Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80005				



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P01	S8	24/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

- Route alignment
- Earthworks
- NMU Route
- Electoral ward boundary

Operation Change in Road Traffic Noise Opening Year

OY Key des

- Major noise reduction, 5dB(A) or more
- Moderate noise reduction, 3 to 4.9dB(A)
- Minor noise reduction, 1 to 2.9dB(A)

- No Change/Negligible, less than 1dB(A)
- Minor noise increase, 1 to 2.9dB(A)
- Moderate noise increase, 3 to 4.9dB(A)
- Major noise increase, 5dB(A) or more

Degree of change in annual average nitrogen dioxide (NO₂) concentrations

Magnitude

- A minor worsening in air quality
- Negligible
- A minor improvement in air quality

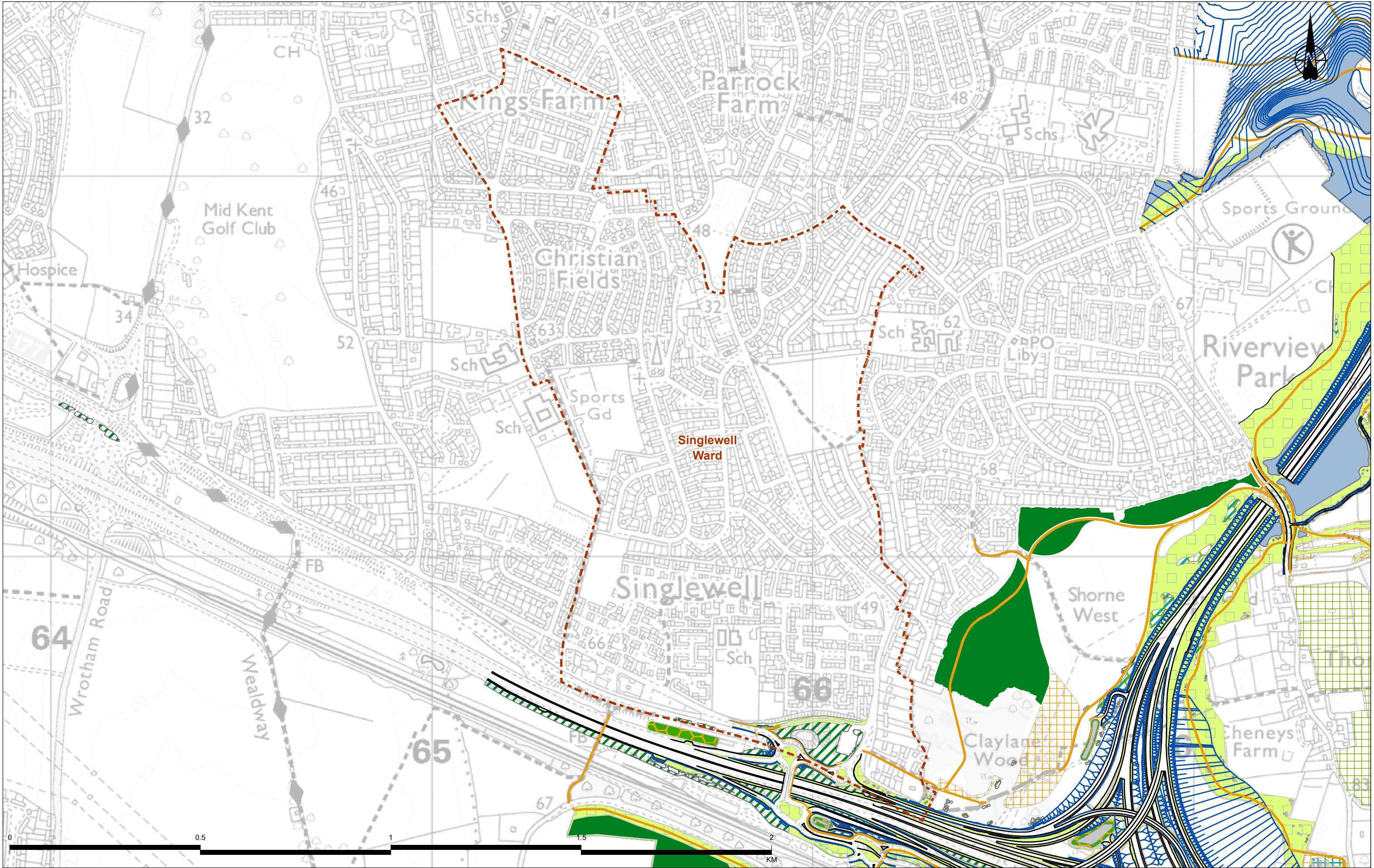
Client

national highways

Project

LOWER THAMES CROSSING

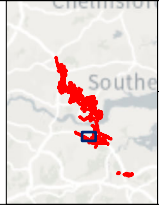
Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:9,000		
Drawing Title	Figure 6.3b - Operational impacts summary plan of Singlewell Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80005				
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx					



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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

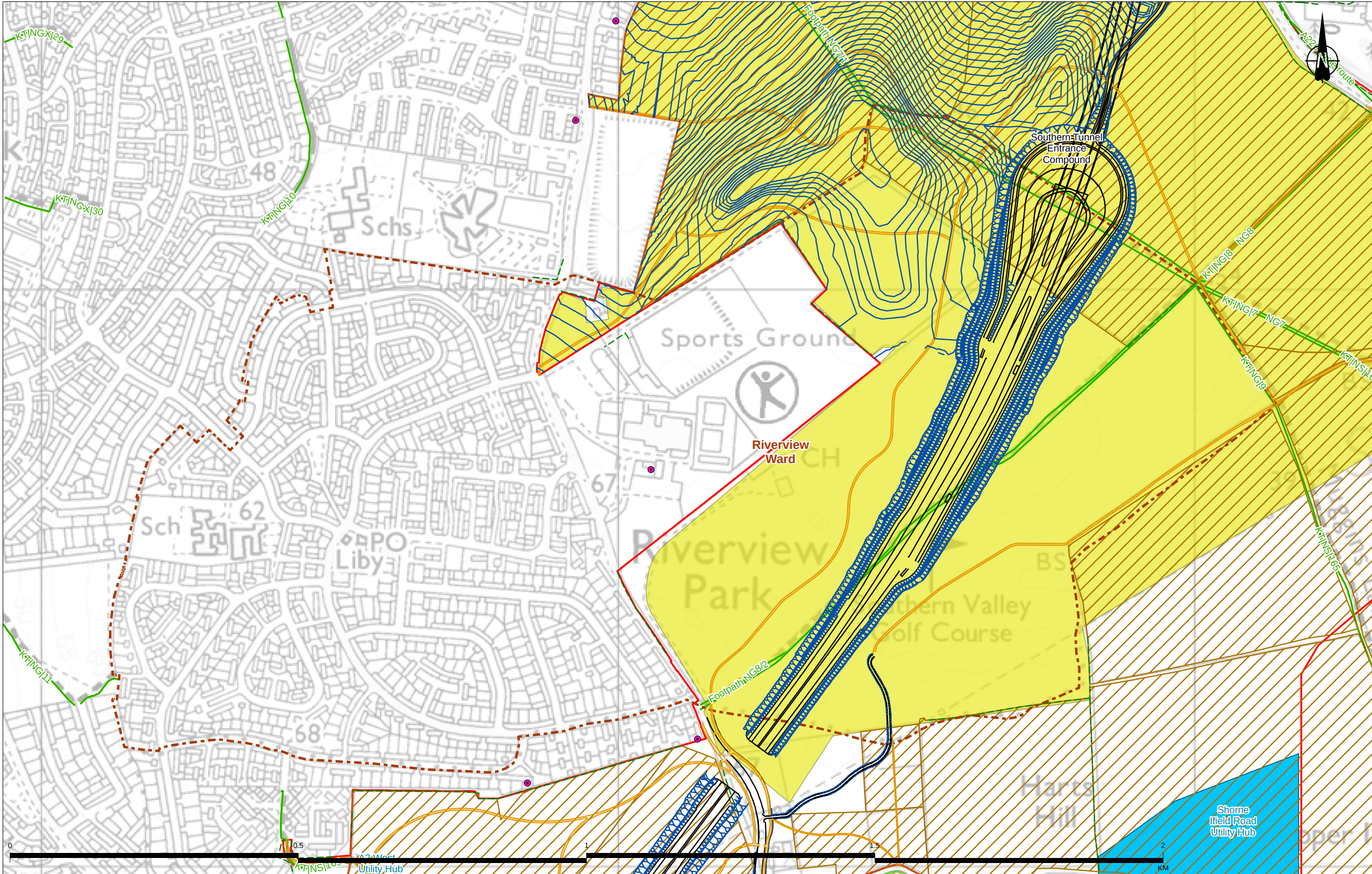
Legend				
Route alignment	LE1.4 Rock and Scree	LE2.14 Wet / Carr Woodland	LE6.11 Water Bodies - Standing Water	LE8.4 Wetland / Fenland Creation
NMU Route	LE2.4 Linear Belt of Shrubs and Trees	LE2.22 Scrub Woodland	LE8.1 Open Mosaic Habitat	LE8.5 Ecology Pond (Indicative Symbol)
Earthworks	LE4.3 Native Species Hedge (Untrimmed)	LE2.5 Shrubs with Intermittent Trees	LE8.2 Ancient Woodland Mitigation Planting	LE9.1 Agricultural Reinstatement
Electoral ward boundary	LE6.2 Banks and Ditches (Polygon)	LE2.7 Scattered Trees	LE8.3 Woodland Mitigation Planting	LE9.2 Open Space Replacement
Acoustic barrier	LE2.8 Scrub	LE6.4 Wet Grassland		
LE1.3 Species Rich Grassland				



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Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:9,000		
Drawing Title	Figure 6.3c - Mitigation proposals in Singlewell Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80005				



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P01	S8	21/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

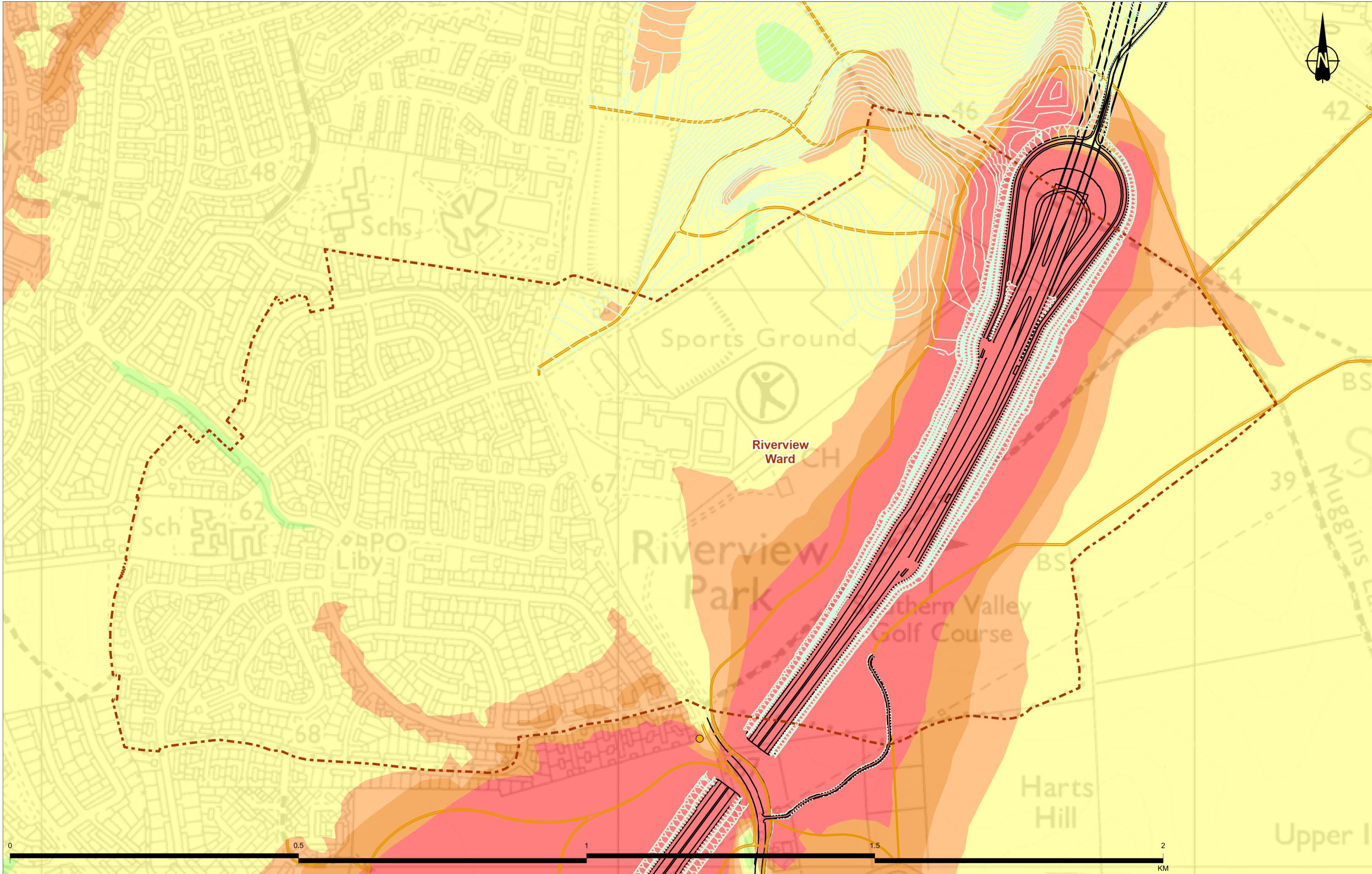
Legend

- Route alignment
- NMU route
- Earthworks
- Order Limits
- Electoral ward boundary
- Main works construction compound
- Utility Logistics Hub
- Construction noise receptor
- Existing Public Right of Way
- Ancient Woodland
- Site of Special Scientific Interest
- Arable field
- Hedgerow

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national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:6,000		
Drawing Title	Figure 6.4a - Construction impacts summary plan of Riverview Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80006				



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P01	S8	24/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend

- Route alignment
- Earthworks
- NMU Route
- Electoral ward boundary

Operation Change in Road Traffic Noise Opening Year

OY Key des

- Minor noise reduction, 1 to 2.9dB(A)
- No Change/Negligible, less than 1dB(A)
- Minor noise increase, 1 to 2.9dB(A)

Degree of change in annual average nitrogen dioxide (NO₂) concentrations

Magnitude

- A minor worsening in air quality

Moderate noise increase, 3 to 4.9dB(A)

Major noise increase, 5dB(A) or more

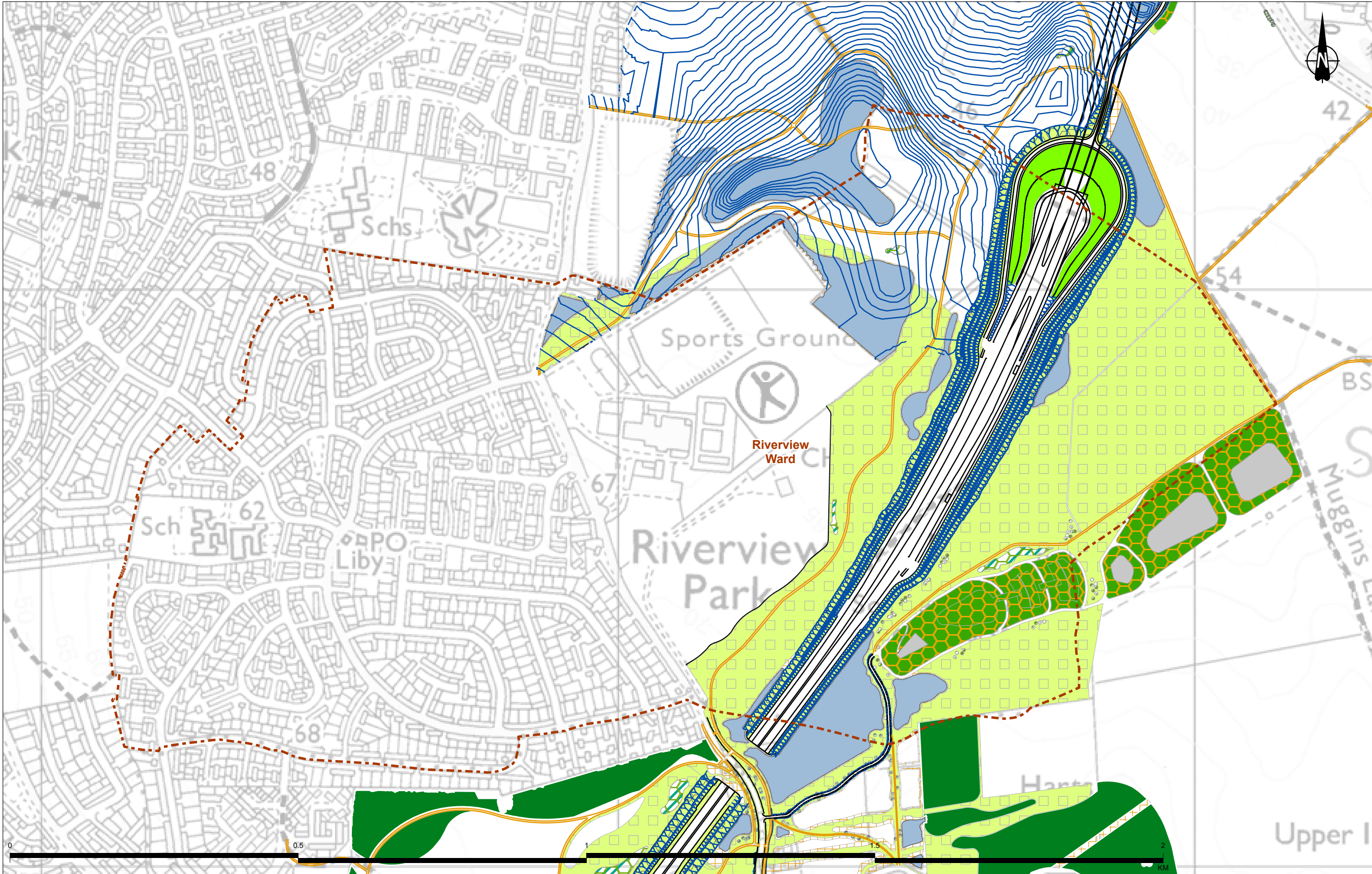
Client

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:6,000		
Drawing Title	Figure 6.4b - Operational impacts summary plan of Riverview Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80006				

Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx



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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Legend

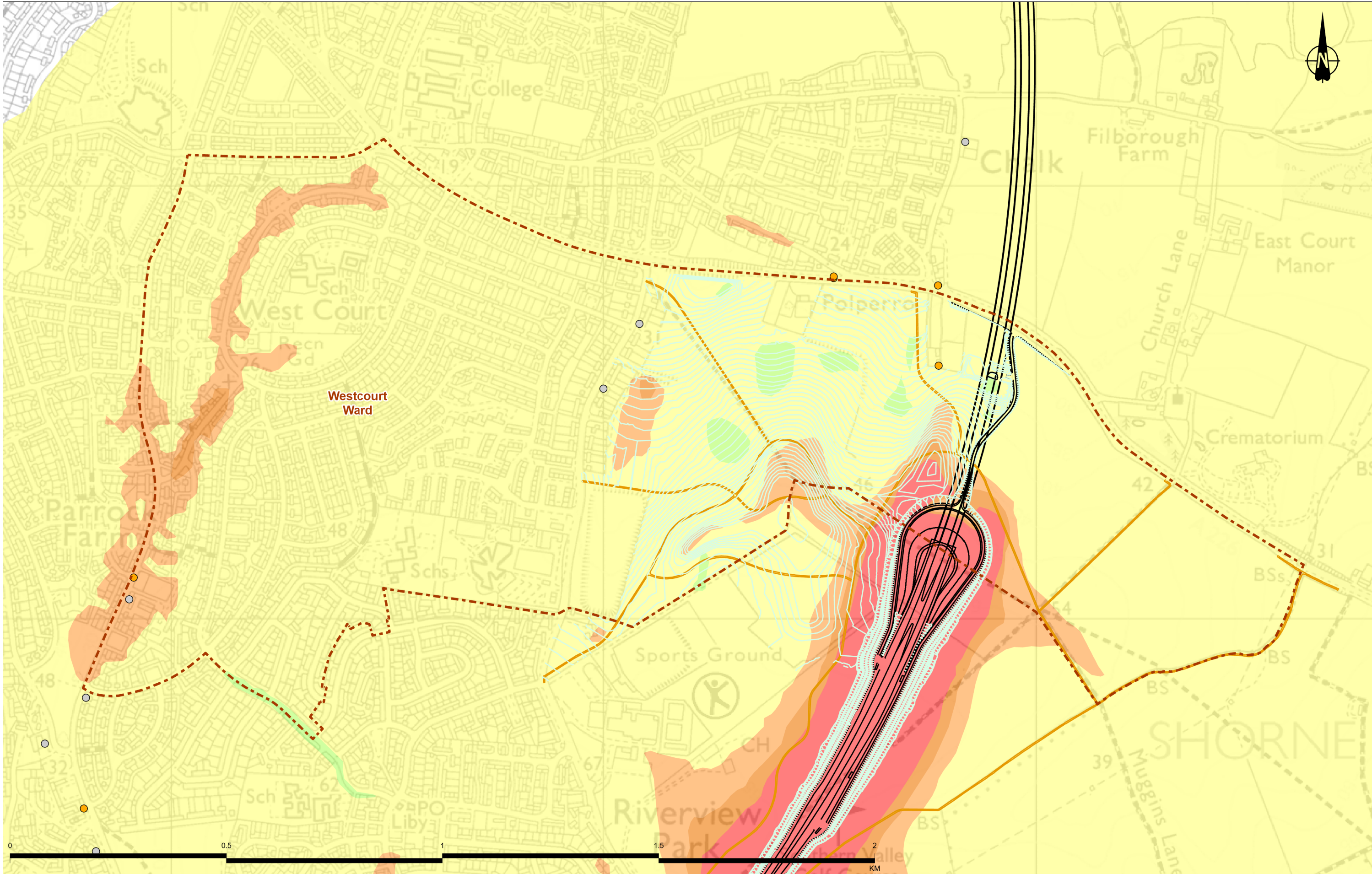
Route alignment	LE1.4 Rock and Scree	LE4.3 Native Species Hedge (Untrimmed)	LE8.3 Woodland Mitigation Planting
NMU Route	LE2.7 Scattered Trees	LE6.2 Banks and Ditches (Polygon)	LE8.4 Wetland / Fenland Creation
Earthworks	LE2.8 Scrub	LE2.11 Woodland with Non-Native Species	LE8.5 Ecology Pond (Indicative Symbol)
Electoral ward boundary	LE1.3 Species Rich Grassland	LE2.22 Scrub Woodland	LE9.1 Agricultural Reinstatement
Acoustic barrier			LE9.2 Open Space Replacement

Client

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:6,000		
Drawing Title	Figure 6.4c - Mitigation proposals in Riverview Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80006				
Z:\Environment\Community Impacts Report\Figure 6c - Mitigation Proposals.aprx					



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P01	S8	24/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

- Route alignment
- Earthworks
- NMU Route
- Electoral ward boundary

Operation Change in Road Traffic Noise Opening Year

OY Key des

- Minor noise reduction, 1 to 2.9dB(A)
- No Change/Negligible, less than 1dB(A)

- Minor noise increase, 1 to 2.9dB(A)
- Moderate noise increase, 3 to 4.9dB(A)
- Major noise increase, 5dB(A) or more

Degree of change in annual average nitrogen dioxide (NO₂) concentrations

Magnitude

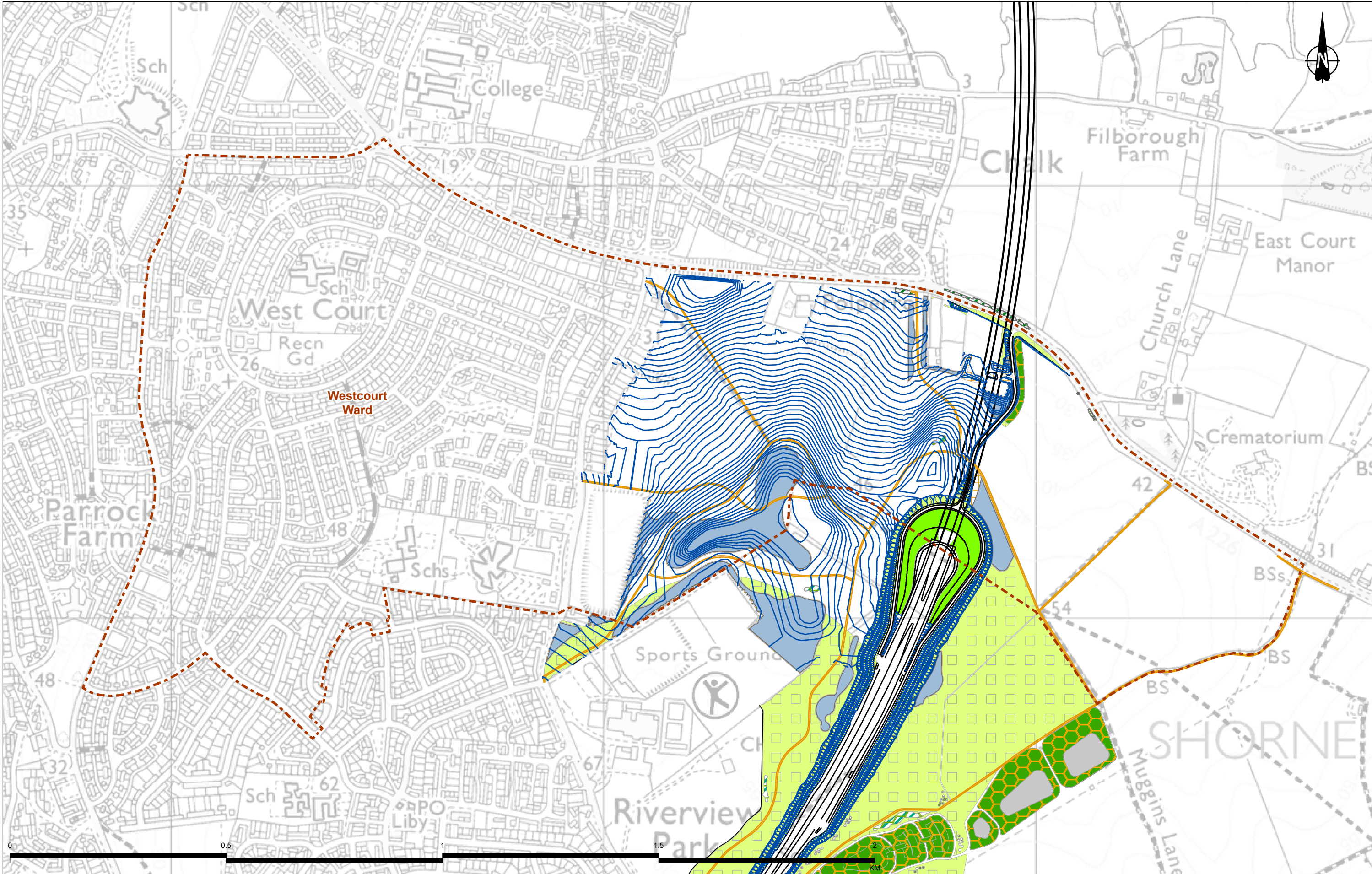
- A minor worsening in air quality
- Negligible

Client

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:8,000		
Drawing Title	Figure 6.5b - Operational impacts summary plan of Westcourt Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80007				
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx					



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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

Legend

- Route alignment
- NMU Route
- Earthworks
- Electoral ward boundary
- LE1.3 Species Rich Grassland
- LE1.4 Rock and Scree
- LE2.8 Scrub
- LE2.11 Woodland with Non-Native Species
- LE2.22 Scrub Woodland
- LE4.3 Native Species Hedge (Untrimmed)
- LE6.2 Banks and Ditches (Polygon)
- LE6.4 Wet Grassland
- LE6.11 Water Bodies - Standing Water
- LE8.2 Ancient Woodland Mitigation Planting
- LE8.3 Woodland Mitigation Planting
- LE8.4 Wetland / Fenland Creation
- LE8.5 Ecology Pond (Indicative Symbol)
- LE9.1 Agricultural Reinstatement
- LE9.2 Open Space Replacement

Client

national highways

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:8,000		
Drawing Title	Figure 6.5c - Mitigation proposals in Westcourt Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80007				

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