



Lower Thames Crossing

7.16 Community Impact Report (Tracked changes version - part 4 of 4)

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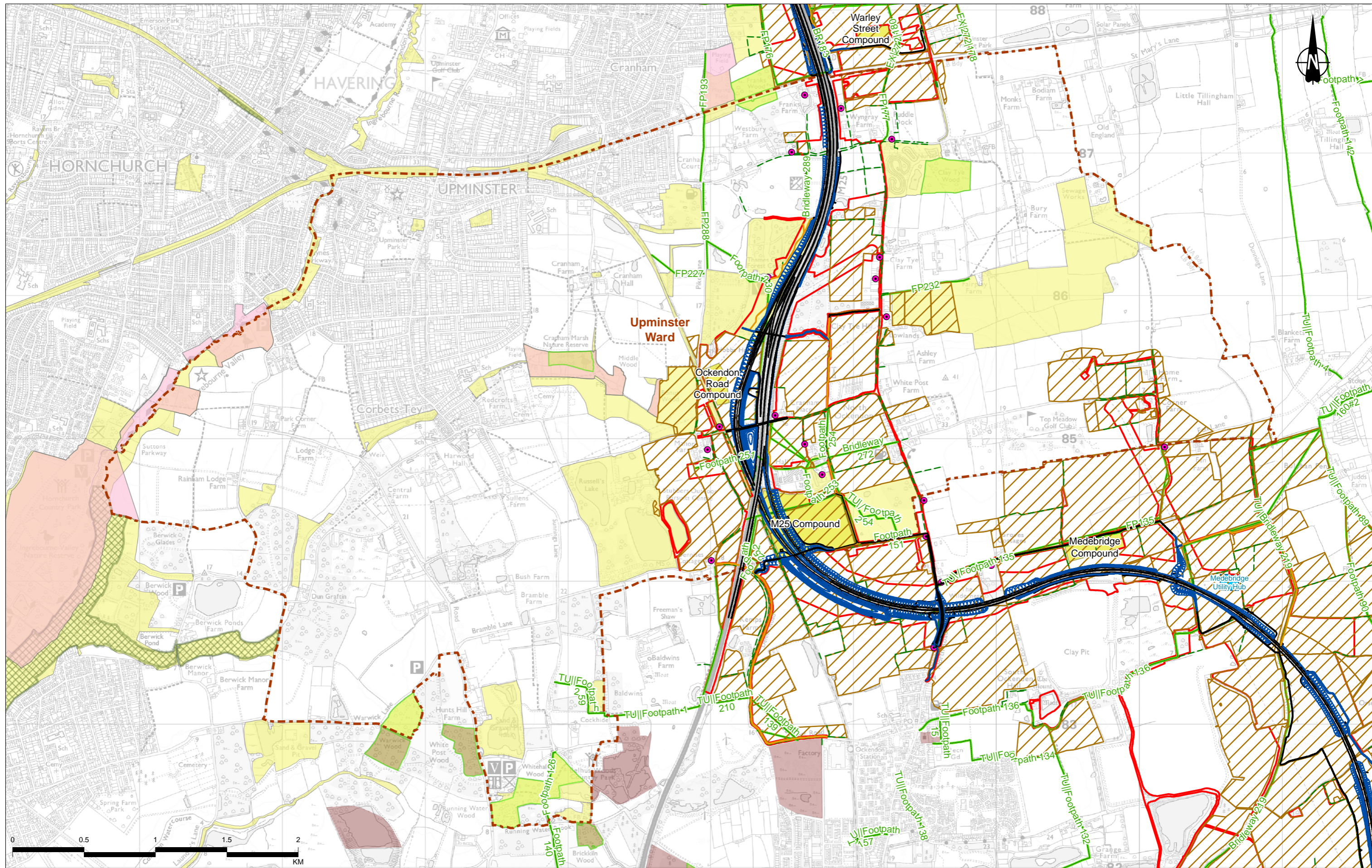
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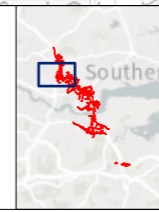


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Legend

- 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
- Local Nature Reserve
- Local Wildlife Site
- Site of Importance for Nature Conservation (SINC)
- Arable field
- Hedgerow
- Site of Special Scientific Interest

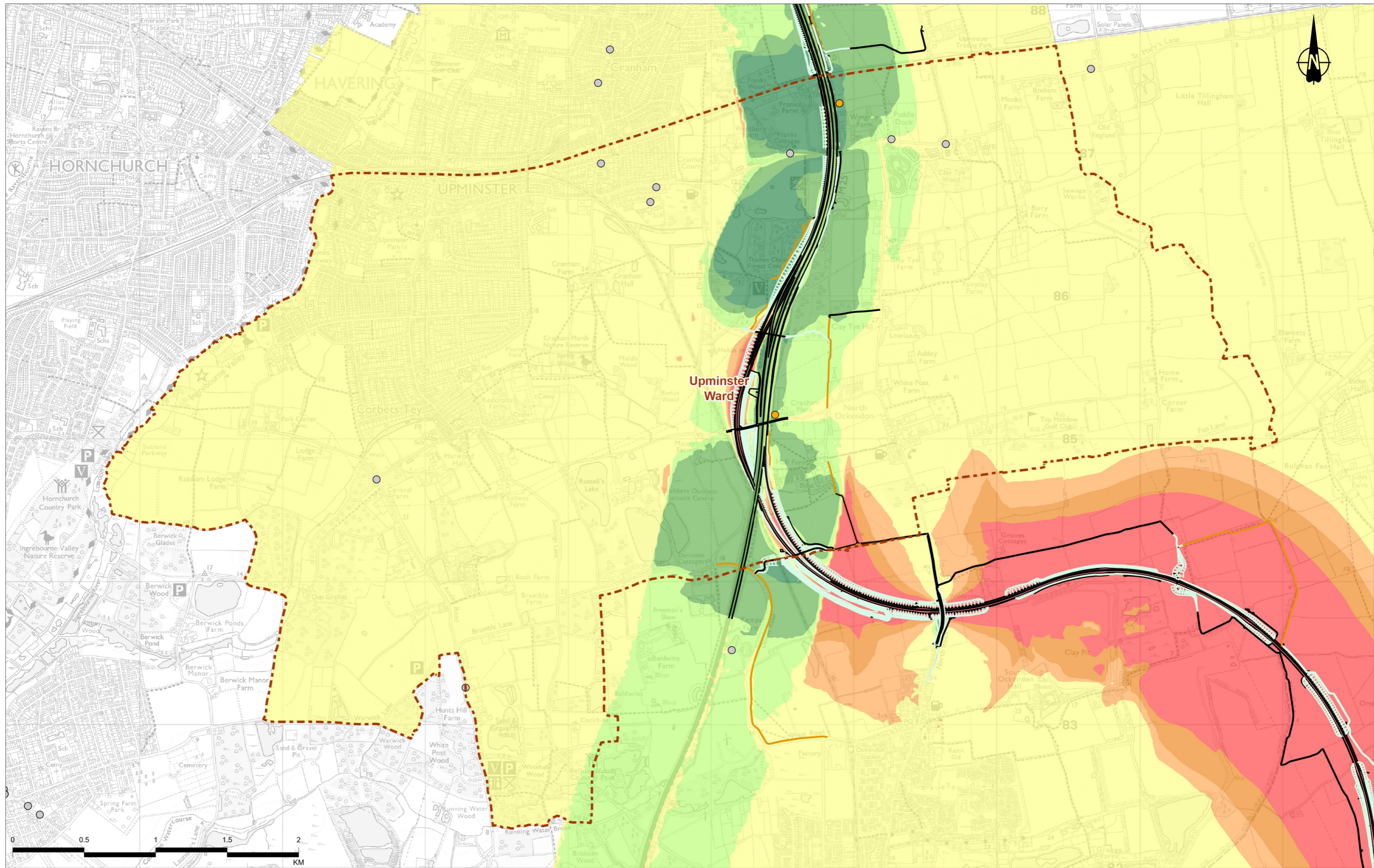
P01	S8	21/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:24,000		
Drawing Title	Figure 6.16a - Construction impacts summary plan of Upminster Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80018				



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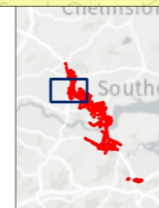
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	S8	24/10/2022	DCO Application	SW	SW	BF

- 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)

- Degree of change in annual average nitrogen dioxide (NO₂) concentrations**
- Magnitude
- A minor worsening in air quality
 - Negligible

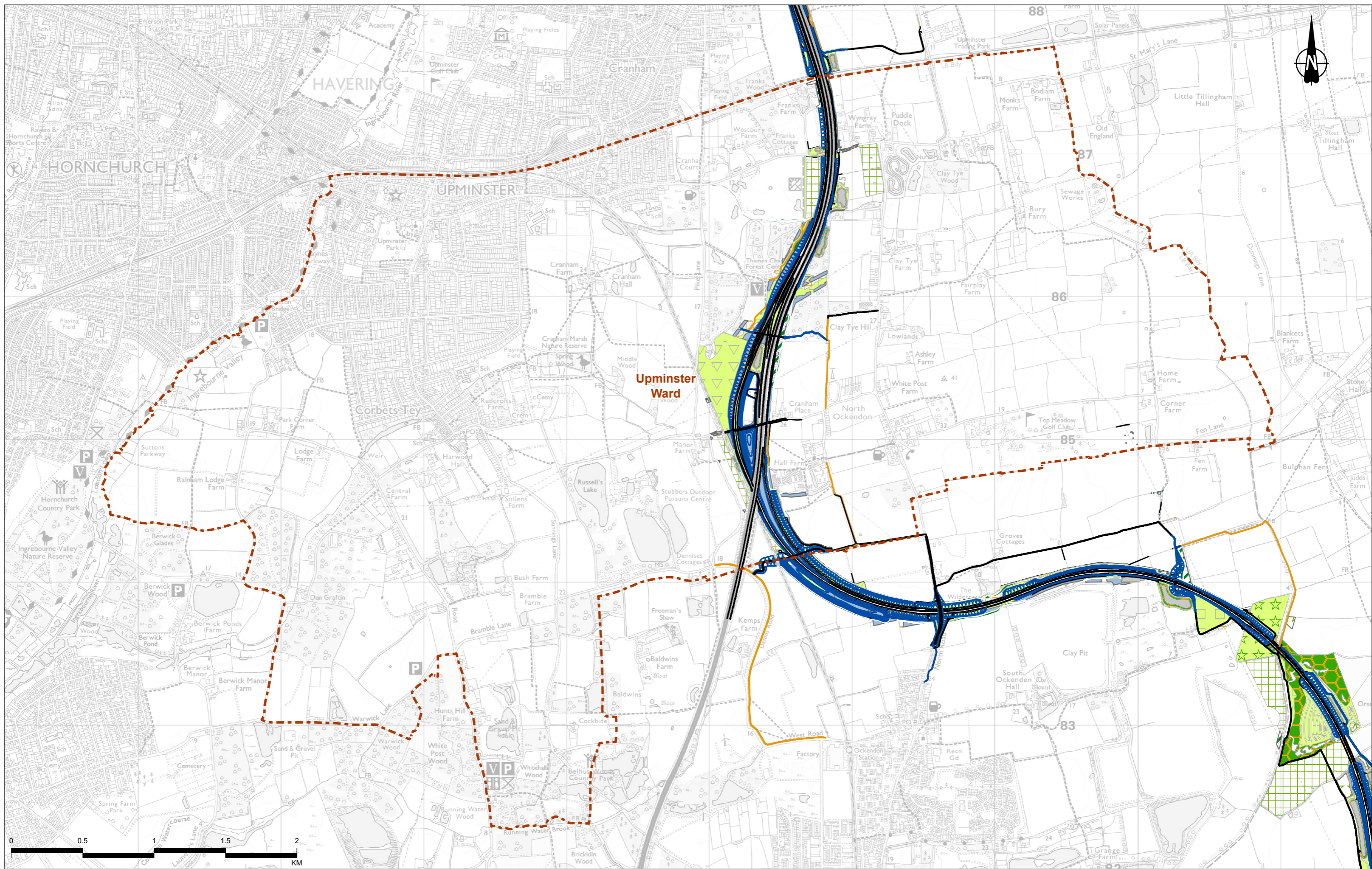


Client

Project

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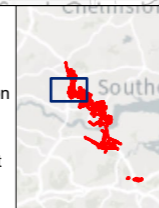
Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:24,000		
Drawing Title	Figure 6.16b - Operational impacts summary plan of Upminster Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80018				
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx					



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

Legend	
	Route alignment
	NMU Route
	Earthworks
	Electoral ward boundary
	Acoustic barrier
	LE1.3 Species Rich Grassland
	LE1.31 Species Rich Chalk Grassland
	LE1.32 Annual Wildflower Grassland
	LE2.4 Linear Belt of Shrubs and Trees
	LE2.5 Shrubs with Intermittent Trees
	LE2.8 Scrub
	LE2.22 Scrub Woodland
	LE4.3 Native Species Hedge (Untrimmed)
	LE5.1 Individual Trees
	LE6.4 Wet Grassland
	LE6.11 Water Bodies - Standing Water
	LE7.2 Green Roof
	LE8.1 Open Mosaic Habitat
	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

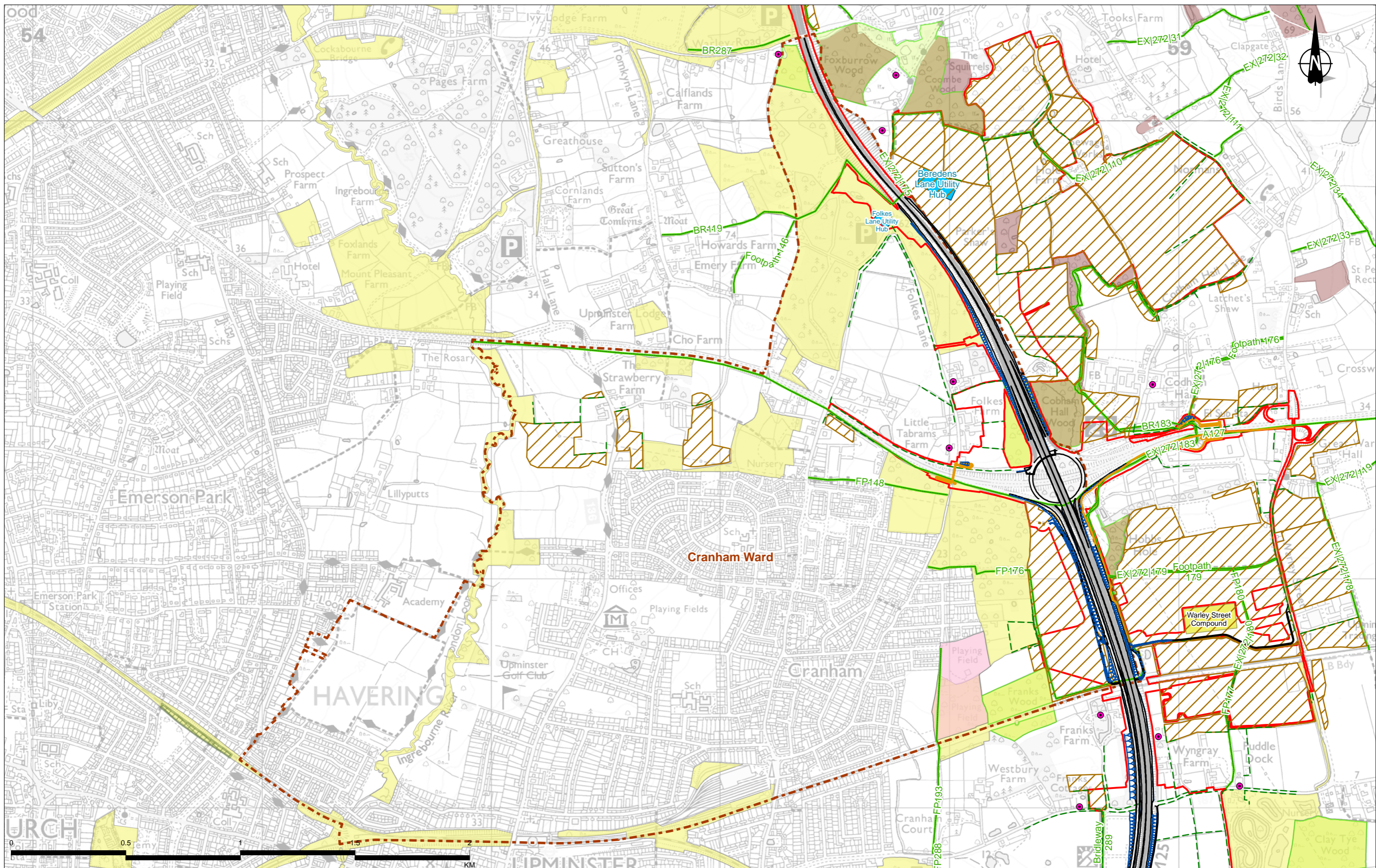


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:24,000		
Drawing Title	Figure 6.16c - Mitigation proposals in Upminster Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80018				

Z:\Environment\Community Impacts Report\Figure 6c - Mitigation Proposals.aprx

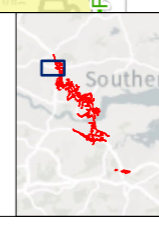


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	S8	21/10/2022	DCO Application	SW	SW	BF

Legend

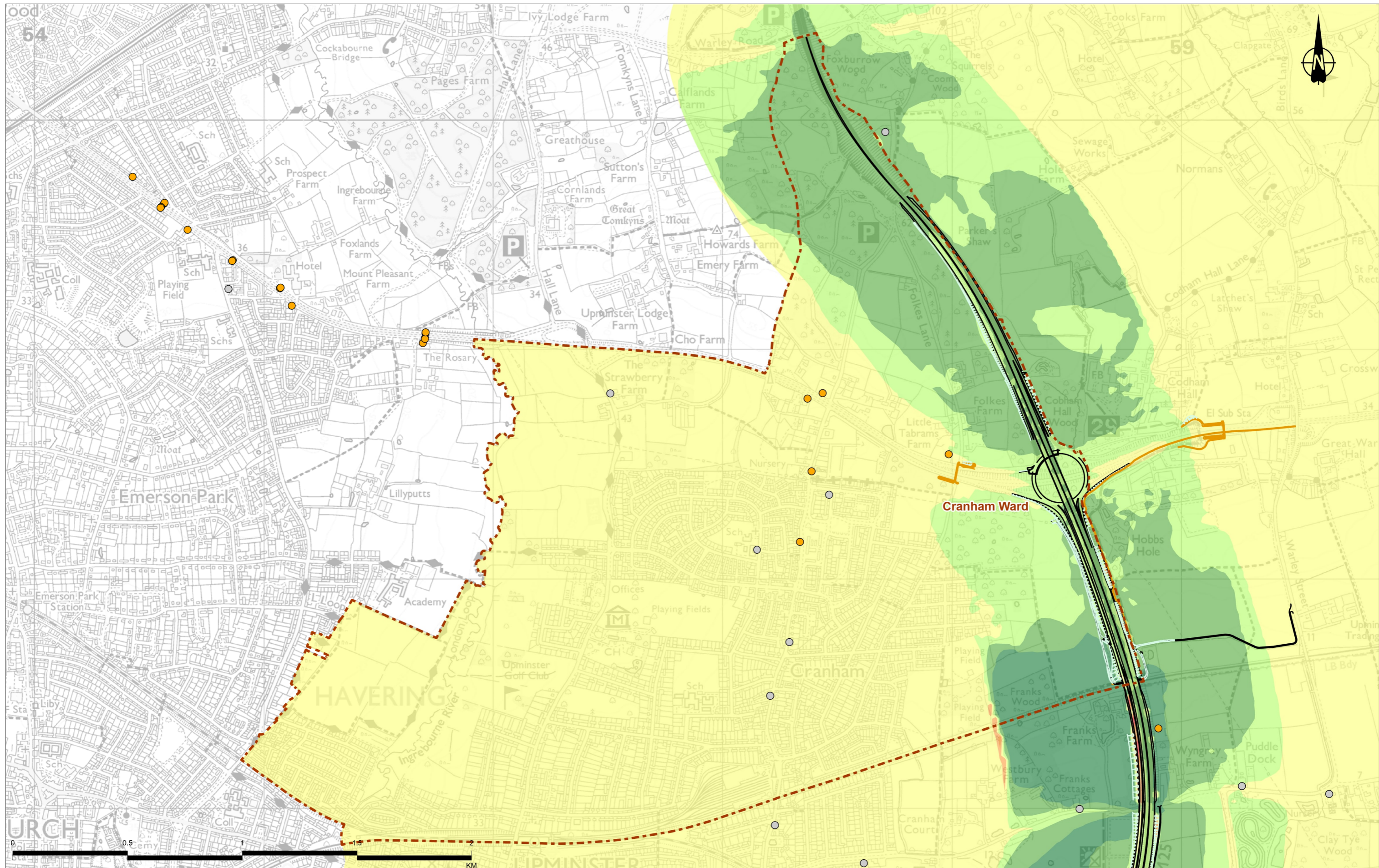
- Route alignment
- NMU route
- Earthworks
- Order Limits
- Electoral ward boundary
- Main works construction compound
- Utility Logistics Hub
- Construction noise receptor
- Existing Public Right of Way
- Ancient Woodland
- Local Nature Reserve
- Local Wildlife Site
- Site of Importance for Nature Conservation (SINC)
- Arable field
- Hedgerow
- Site of Special Scientific Interest



Client
national highways

Project
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Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:15,000		
Drawing Title	Figure 6.17a - Construction impacts summary plan of Cranham Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80019				



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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

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

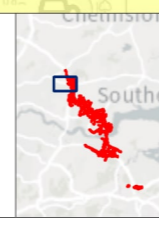
- Minor noise reduction, 1 to 2.9dB(A)
- No Change/Negligible, less than 1dB(A)
- Minor noise increase, 1 to 2.9dB(A)
- Moderate noise increase, 3 to 4.9dB(A)

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

Magnitude

- A minor worsening in air quality
- Negligible

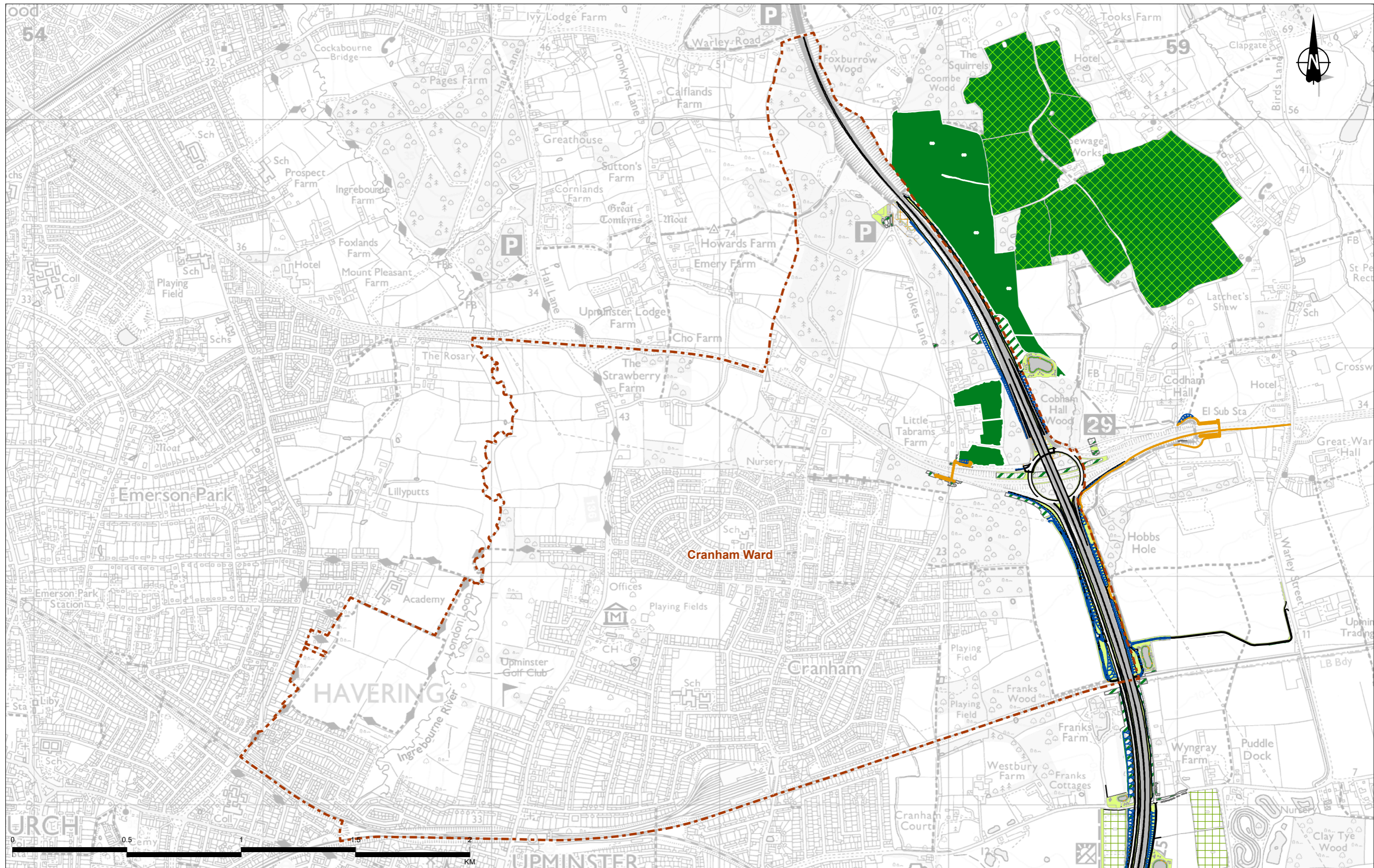
- Major noise increase, 5dB(A) or more



Client: national highways

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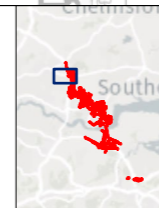
Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:15,000		
Drawing Title	Figure 6.17b - Operational impacts summary plan of Cranham Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80019				
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx					



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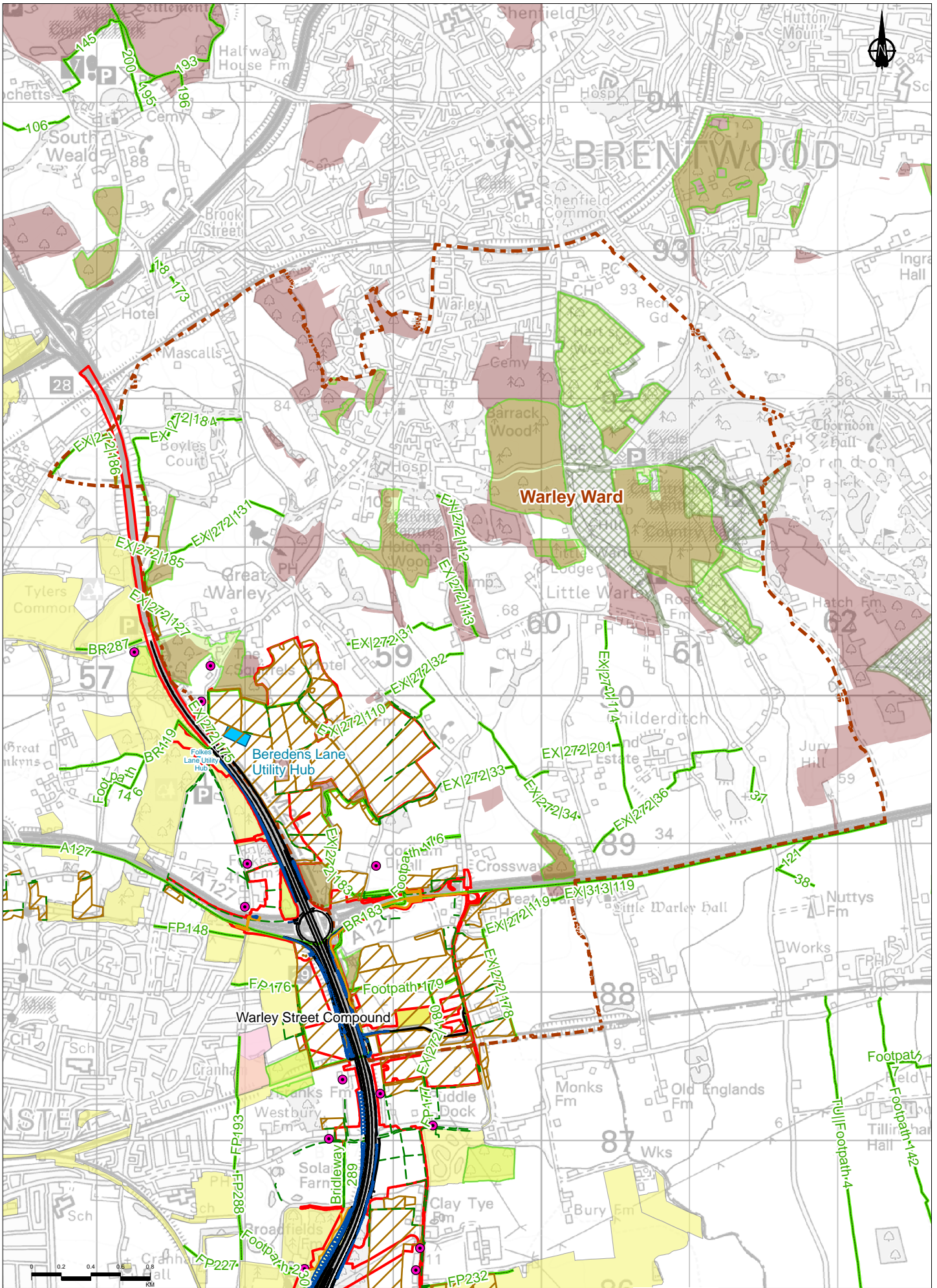
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Approved
P01	S8	18/10/2022	DCO Application	SW	SW	BF

Legend	
	Route alignment
	NMU Route
	Earthworks
	Electoral ward boundary
	LE1.3 Species Rich Grassland
	LE2.2 Woodland Edge
	LE2.4 Linear Belt of Shrubs and Trees
	LE2.5 Shrubs with Intermittent Trees
	LE2.7 Scattered Trees
	LE2.8 Scrub
	LE2.22 Scrub Woodland
	LE4.3 Native Species Hedge (Untrimmed)
	LE5.1 Individual Trees
	LE6.4 Wet Grassland
	LE6.11 Water Bodies - Standing Water
	LE8.1 Open Mosaic Habitat
	LE8.2 Ancient Woodland Mitigation Planting
	LE8.3 Woodland Mitigation Planting
	LE8.4 Wetland / Fenland Creation
	LE9.1 Agricultural Reinstatement



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 national highways
 Project
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Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:15,000		
Drawing Title	Figure 6.17c - Mitigation proposals in Cranham Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80019				
Z:\Environment\Community Impacts Report\Figure 6c - Mitigation Proposals.aprx					



Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Appr'd
PN	SB	21/10/2022	DCO Application	SW	MF	SW

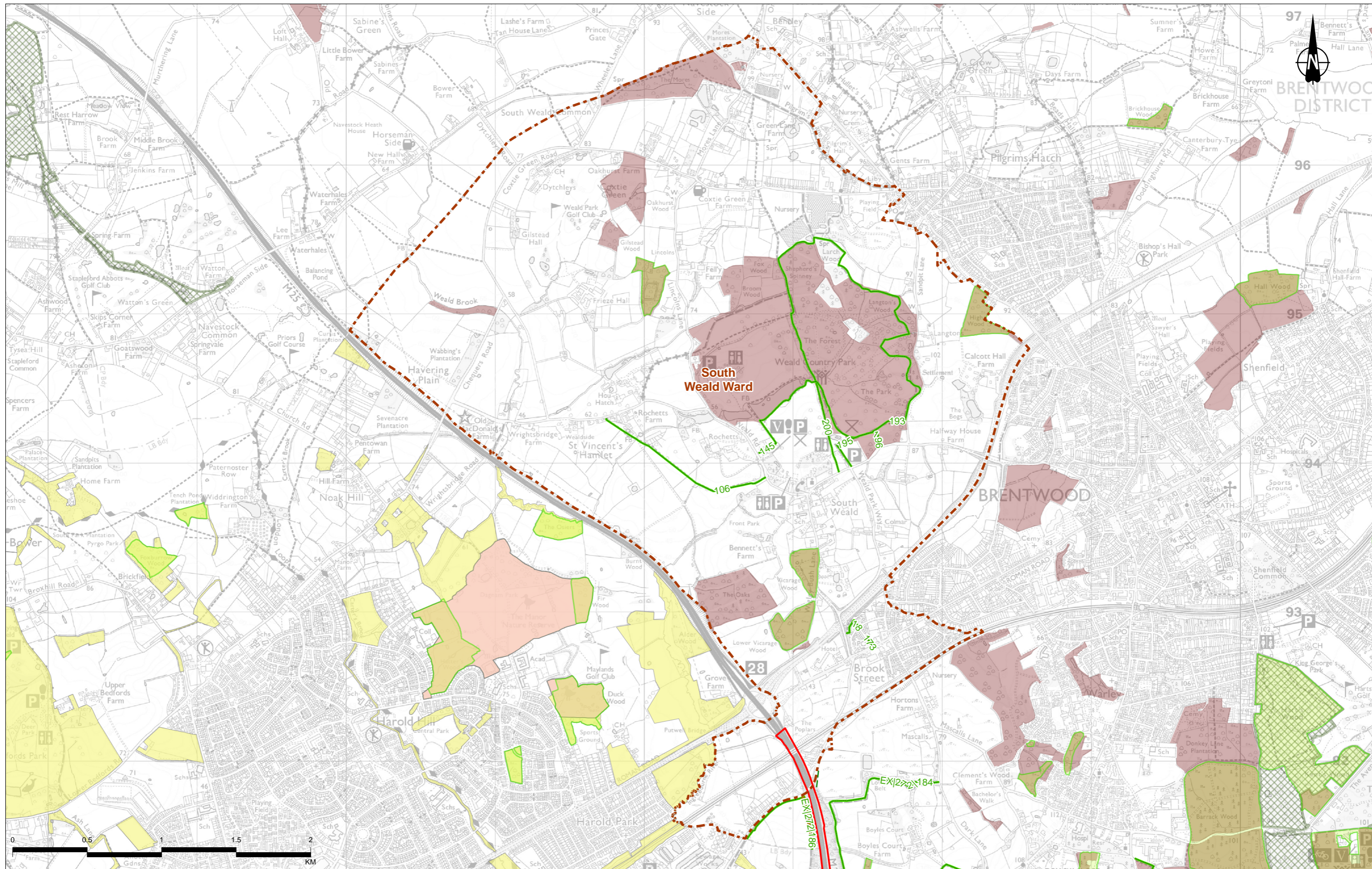
Legend	
	Order Limits
	Main works construction compound
	Utility Logistics Hub
	Construction noise receptor
	Existing Public Right of Way
	Ancient Woodland
	Local Nature Reserve
	Site of Special Scientific Interest
	Local Wildlife Site
	Site of Importance for Nature Conservation (SINC)
	Arable field
	Hedgerow



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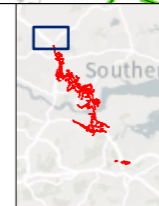
DCO APPLICATION		Revision	Scale
Application Document Number	TR1010032/APP/7.16	A3	1:33,000
Figure 6.18a - Construction impacts summary plan of Warley Ward			
Drawing Title			
Drawing Number			
HE540039-CJV-EGN-SZP		EGNE00000000-DR-LE-80020	



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

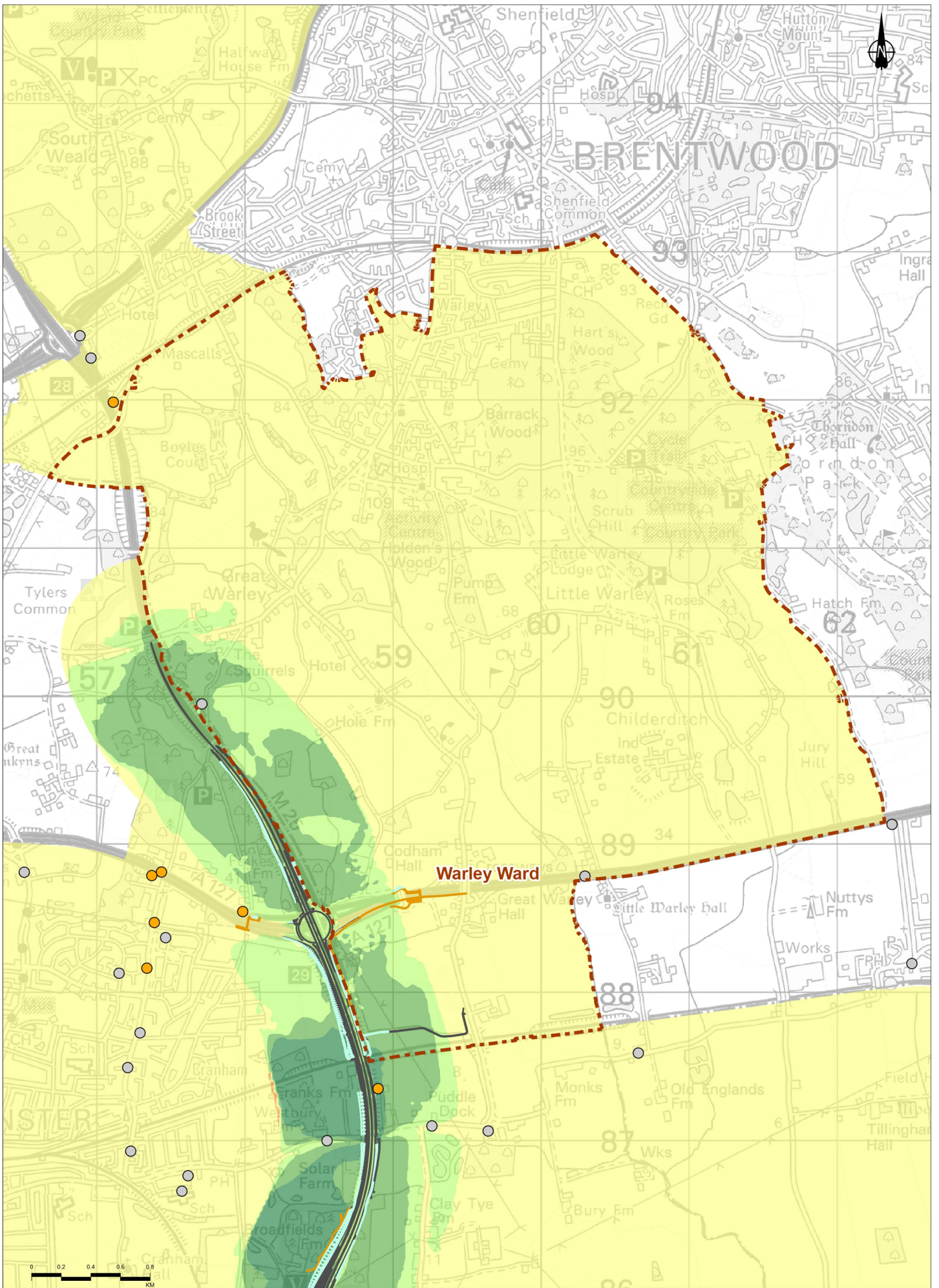
Legend			
	Route alignment		Site of Special Scientific Interest
	Utility Logistics Hub		Construction noise receptor
	NMU route		Local Wildlife Site
	Earthworks		Site of Importance for Nature Conservation (SINC)
	Order Limits		Arable field
	Electoral ward boundary		Local Nature Reserve
	Hedgerow		Ancient Woodland



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Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:23,000		
Drawing Title	Figure 6.18a(i) - Construction impacts summary plan of South Weald Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80020				



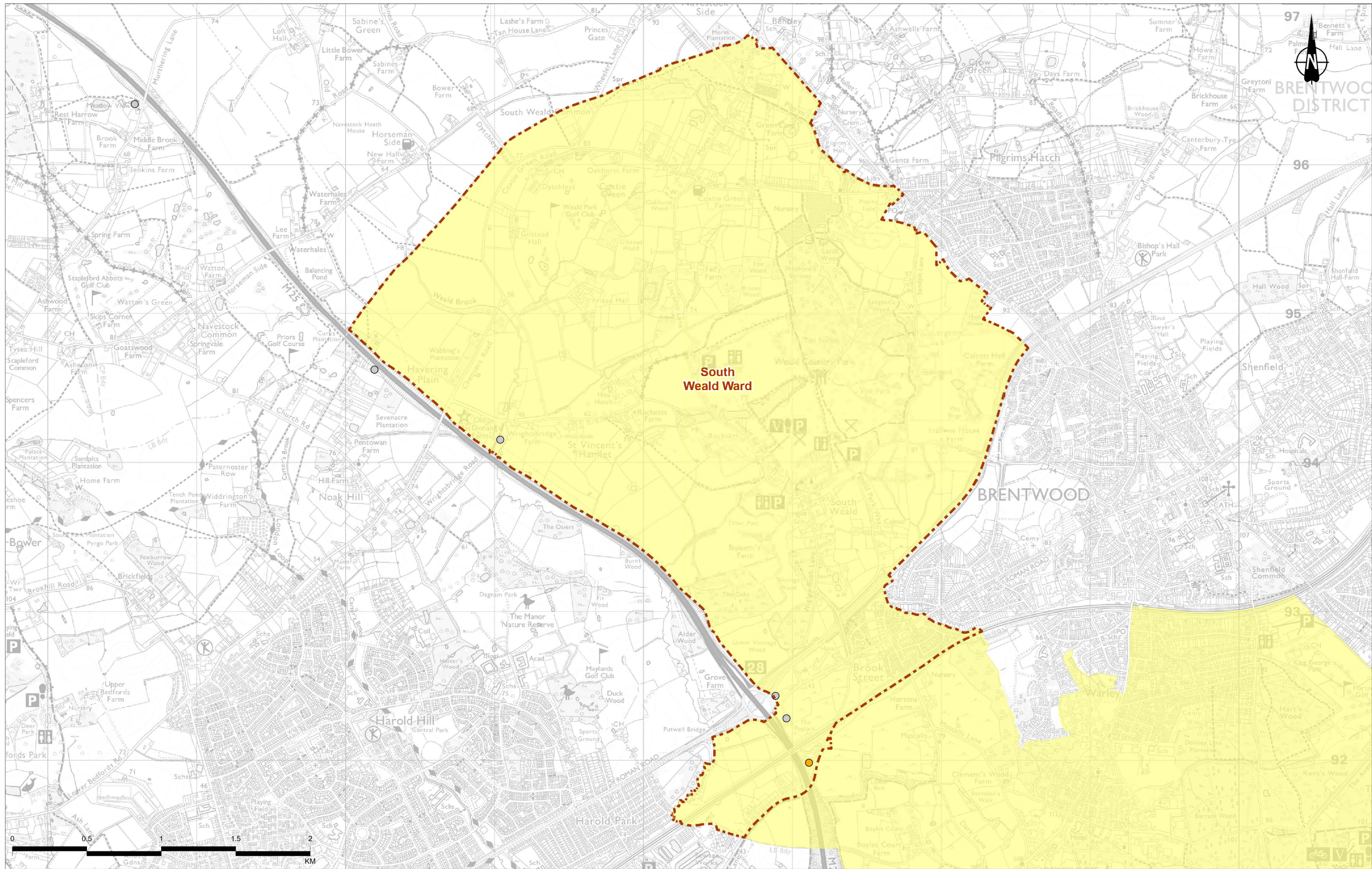
PN1	SB	24/10/2022	DCO Application	SW	SW	BP
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Legend Route alignment Earthworks NMU Route Electrical ward boundary	Operation Change in Road Traffic Noise Opening Year 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 A minor worsening in air quality Negligible
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LOWER THAMES CROSSING

Status: DCO APPLICATION Application Document Number: TR010032/APP/7.16 Drawing Title: Figure 6.18b - Operational impacts summary plan of Warley Ward	Original Est. No: A3 Revision No: 133,000
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Drawing Number: HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80020
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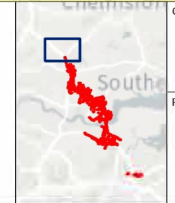


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Rev	Status	Rev Date	Purpose of revision	Drawn	Checked	Approved
P01	S8	24/10/2022	DCO Application	SW	SW	BF

Legend

- Electoral ward boundary
- Degree of change in annual average nitrogen dioxide (NO₂) concentrations
- Magnitude
 - A minor worsening in air quality
 - Negligible

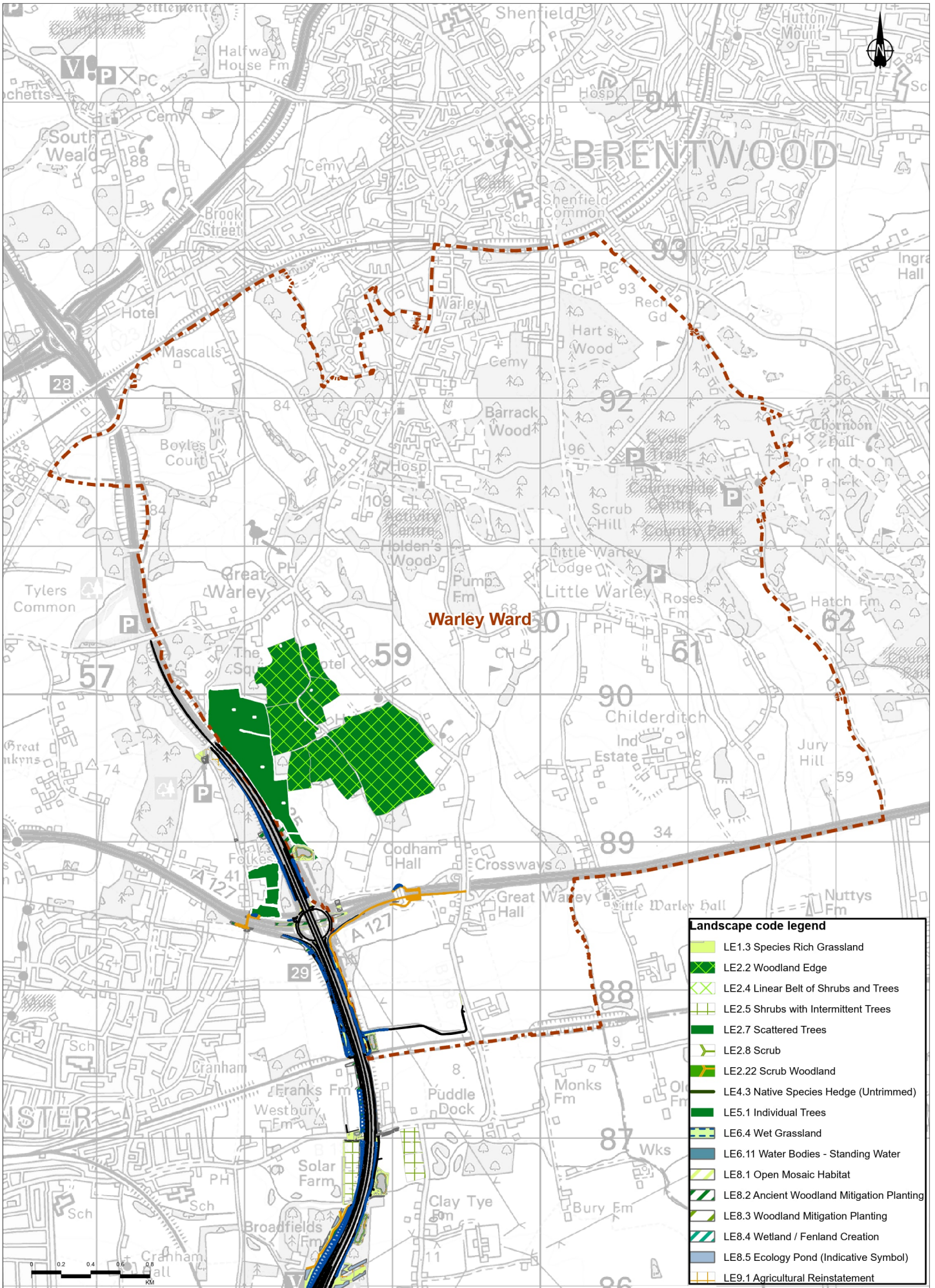


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:23,000		
Drawing Title	Figure 6.18b(ii) - Operational impacts summary plan of South Weald Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80020				

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



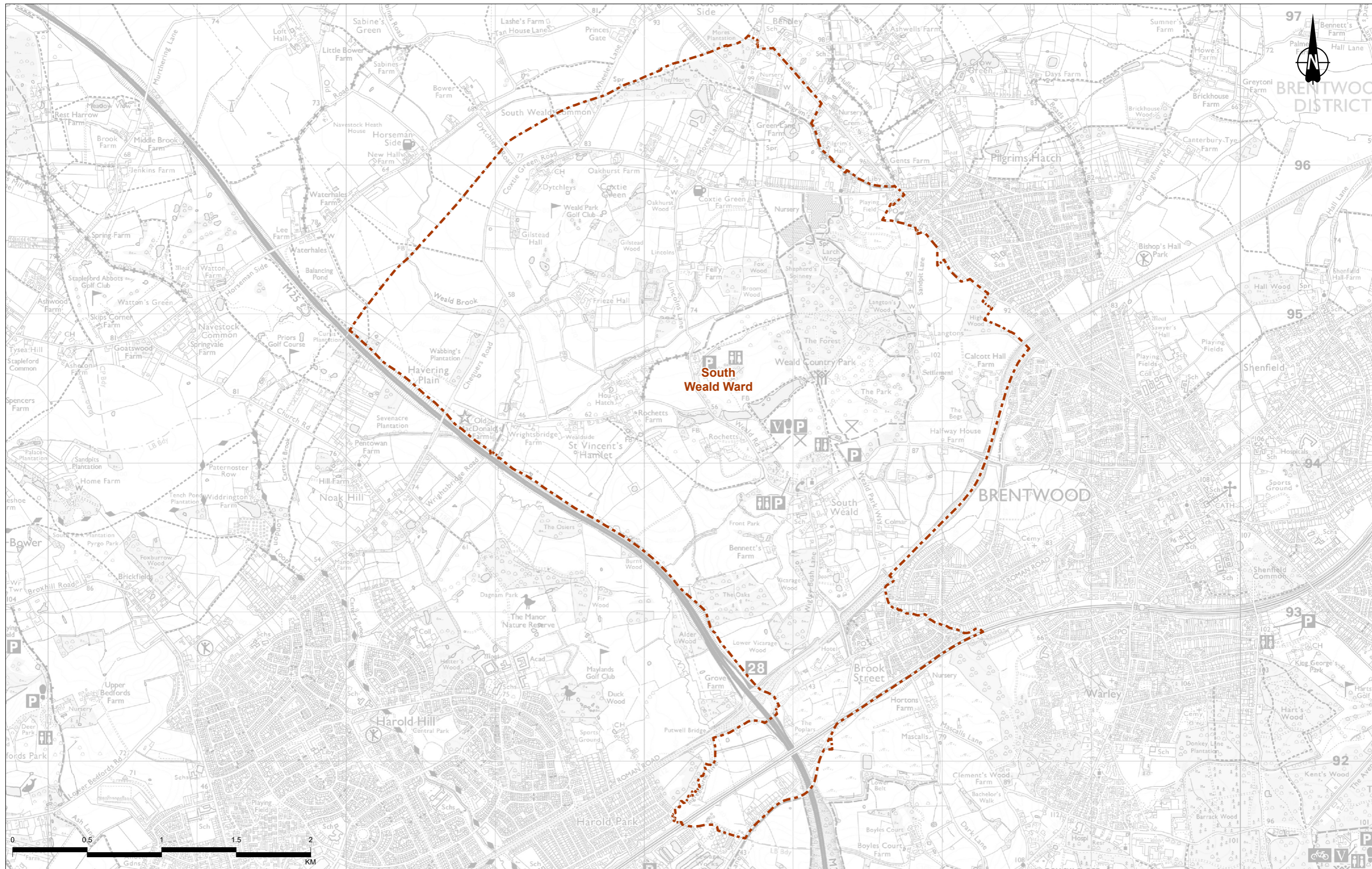
Landscape code legend	
	LE1.3 Species Rich Grassland
	LE2.2 Woodland Edge
	LE2.4 Linear Belt of Shrubs and Trees
	LE2.5 Shrubs with Intermittent Trees
	LE2.7 Scattered Trees
	LE2.8 Scrub
	LE2.2.2 Scrub Woodland
	LE4.3 Native Species Hedge (Untrimmed)
	LE5.1 Individual Trees
	LE6.4 Wet Grassland
	LE6.11 Water Bodies - Standing Water
	LE8.1 Open Mosaic Habitat
	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

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

Legend	
	Route alignment
	NMU Route
	Earthworks
	Electoral ward boundary

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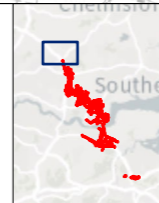
Status: DCO APPLICATION
 Application Document Number: TR010032/APP/7.16
 Drawing Title: Figure 6.18c - Mitigation proposals in Warley Ward
 Drawing Number: HE540039-C.V-EGN-SZP_EGNE0000000-DR-LE-80020
 Scale: 1:33,000



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Legend
 Electoral ward boundary

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd



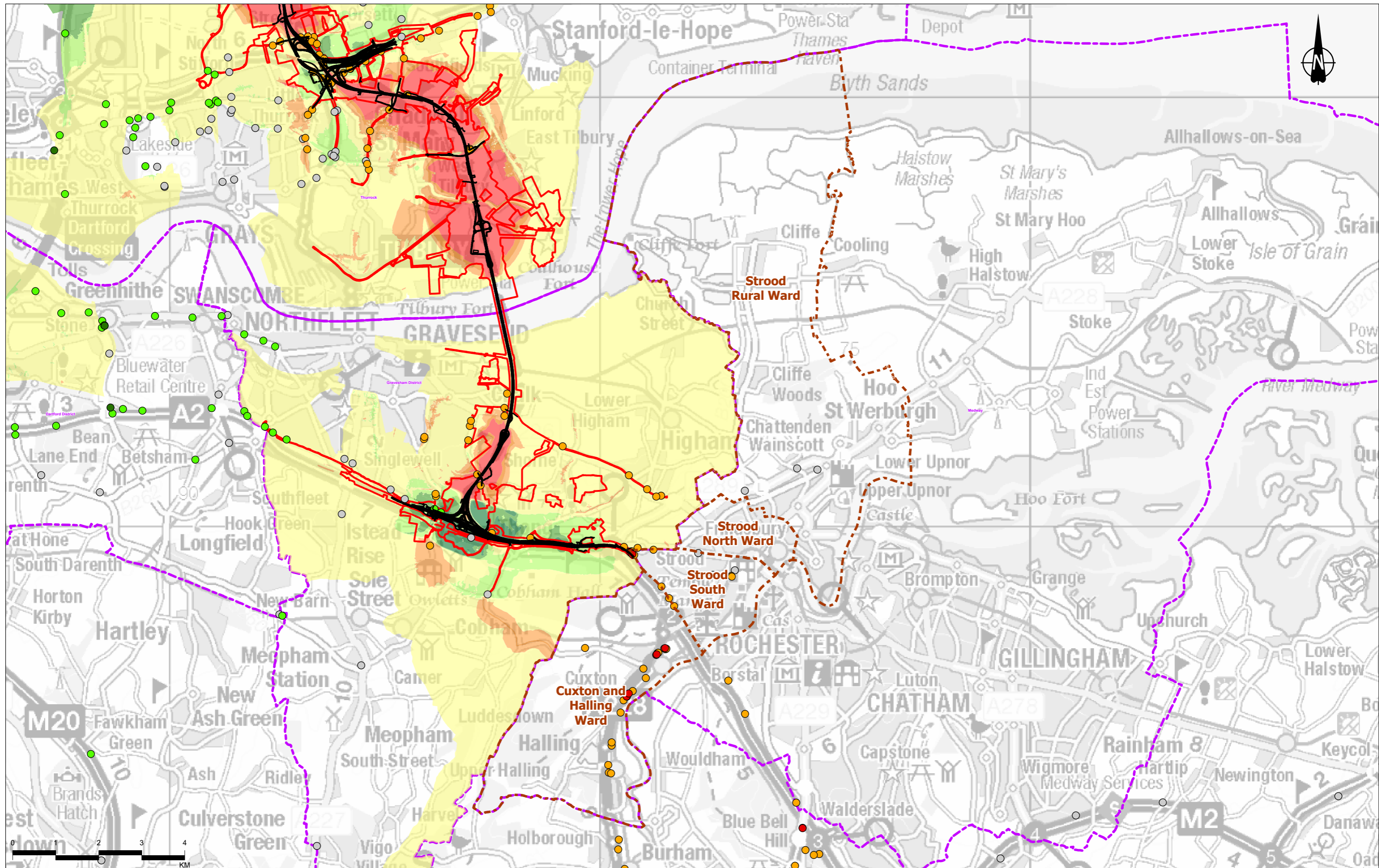
Client
 national highways
 Project
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Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:23,000		

Drawing Title
Figure 6.18c(iii) - Mitigation proposals in South Weald Ward

Drawing Number
HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80020

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P01	S8	11/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

- Route alignment
- Order Limits
- District/Borough/Unitary region
- Electoral ward boundary

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

- A minor worsening in air quality
- Negligible
- A minor improvement in air quality
- An improvement in air quality (in NO₂ where Air Quality Strategy objective is exceeded)

Operation change in road traffic noise opening year

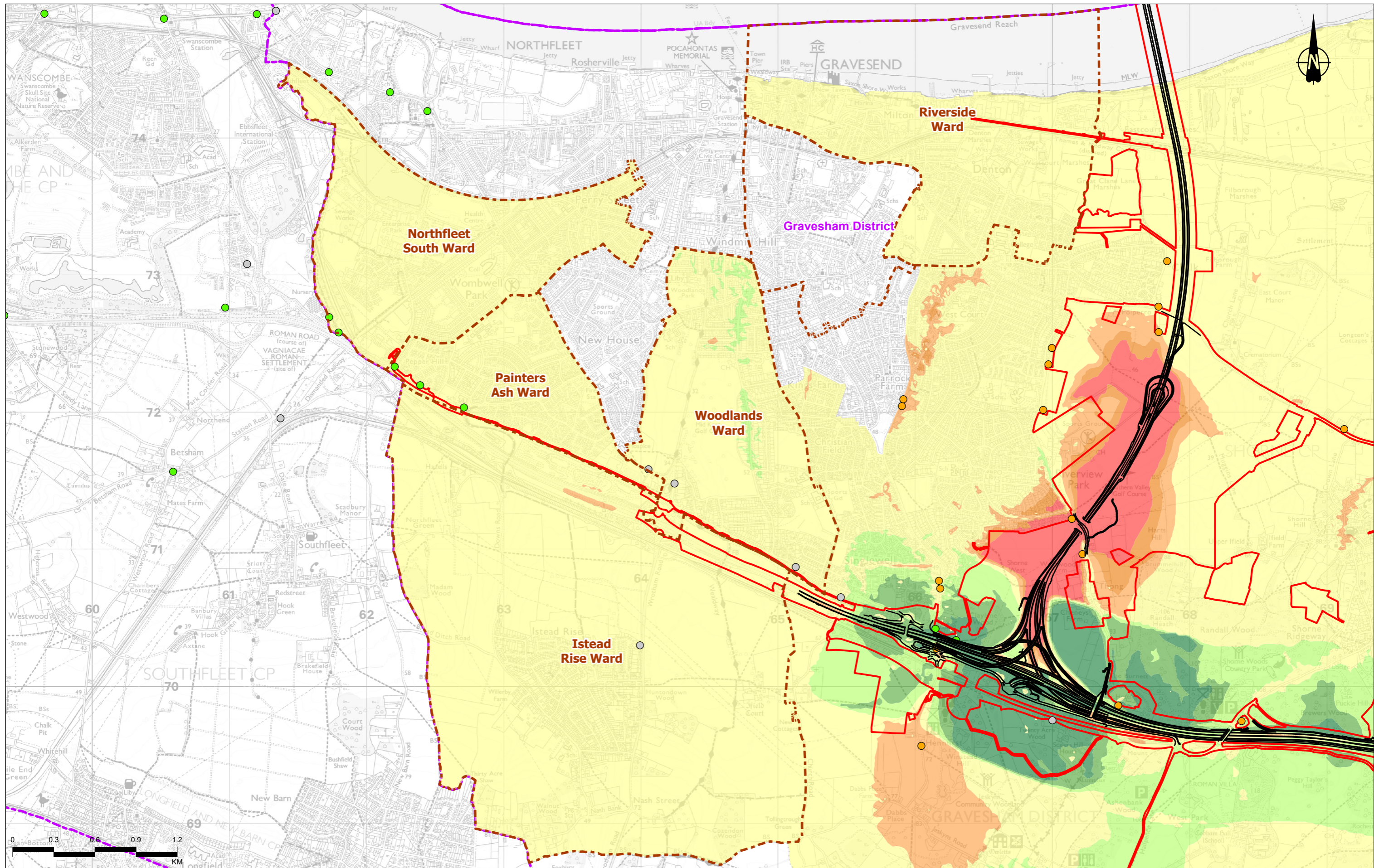
- Major noise reduction, 5dB(A) or more
- Moderate noise reduction, 3 to 4.9dB(A)
- Minor noise reduction, 1 to 2.9dB(A)
- Negligible noise change, less than 1dB(A)
- Minor noise increase, 1 to 2.9dB(A)
- Moderate noise increase, 3 to 4.9dB(A)
- Major noise increase, 5dB(A) or more

Client: highways england

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:80,000		
Drawing Title	Figure 7.1 - Community impacts in the wider area: Medway				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80021				

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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Appvd
P01	S8	11/10/2022	DCO Application	SW	SW	BF

Legend

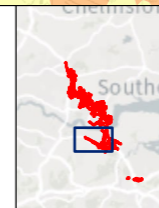
- Route alignment
- Order Limits
- District/Borough/Unitary region
- Electoral ward boundary

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

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

Operation change in road traffic noise opening year

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



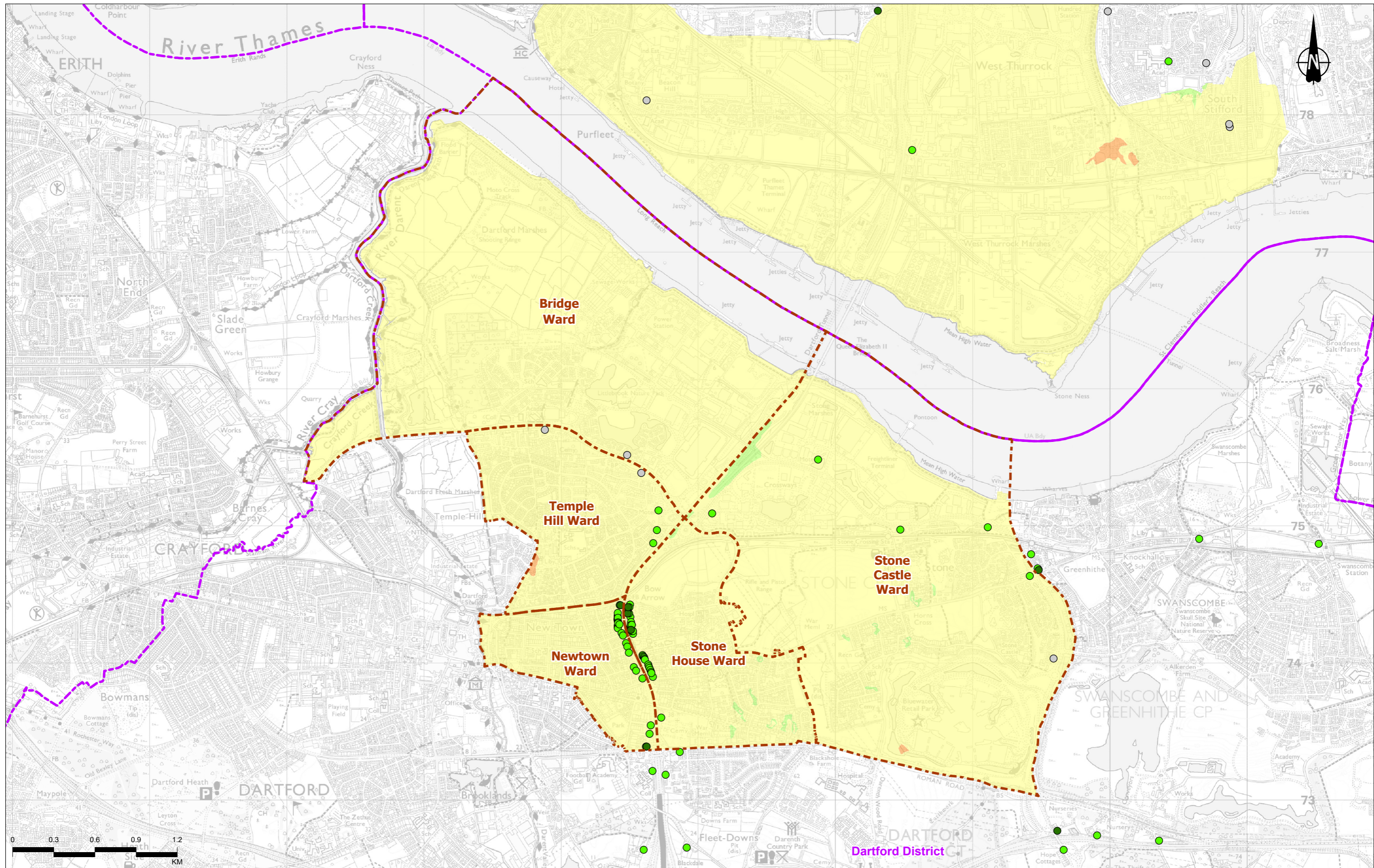
Client

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:25,000		
Drawing Title	Figure 7.2 - Community impacts in the wider area: Gravesend				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80022				

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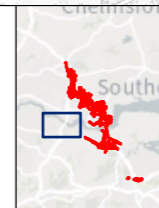


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P01	S8	11/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

- Legend**
- Route alignment
 - Order Limits
 - District/Borough/Unitary region
 - Electoral ward boundary
 - Degree of change in annual average nitrogen dioxide (NO₂) concentrations
 - Negligible
 - A minor improvement in air quality
 - An improvement in air quality (in NO₂ where Air Quality Strategy objective is exceeded)

- Operation change in road traffic noise opening year
- Minor noise reduction, 1 to 2.9dB(A)
 - Negligible noise change, less than 1dB(A)
 - Minor noise increase, 1 to 2.9dB(A)

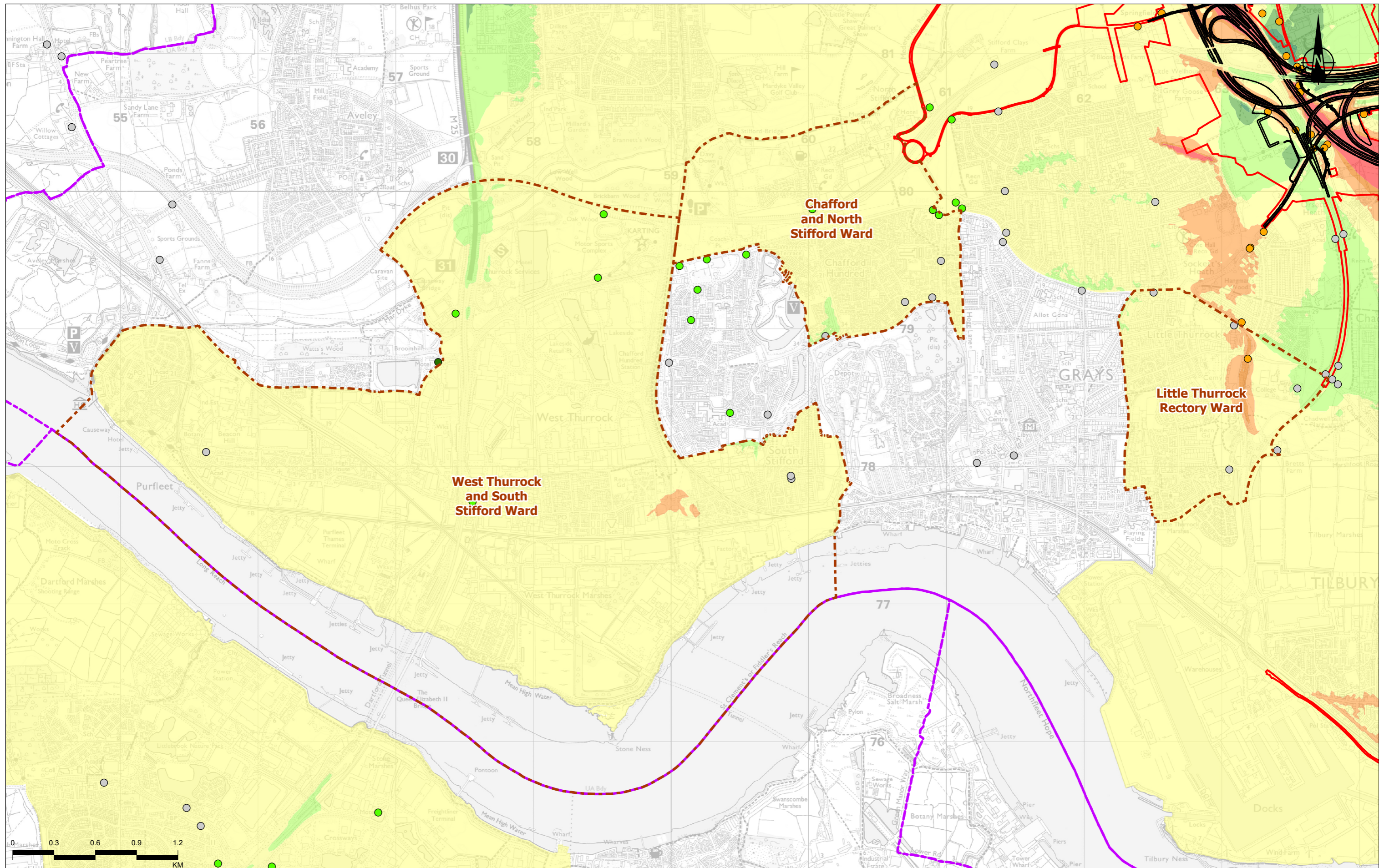


Client
highways england

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:25,000		
Drawing Title	Figure 7.3 - Community impacts in the wider area: Dartford				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80023				

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P01	S8	11/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

Legend

- Route alignment
- Order Limits
- District/Borough/Unitary region
- Electoral ward boundary

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

- A minor worsening in air quality
- Negligible
- A minor improvement in air quality
- An improvement in air quality (in NO₂ where Air Quality Strategy objective is exceeded)
- Major noise reduction, 5dB(A) or more

Operation change in road traffic noise opening year

- Moderate noise reduction, 3 to 4.9dB(A)
- Minor noise reduction, 1 to 2.9dB(A)
- Negligible noise change, 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

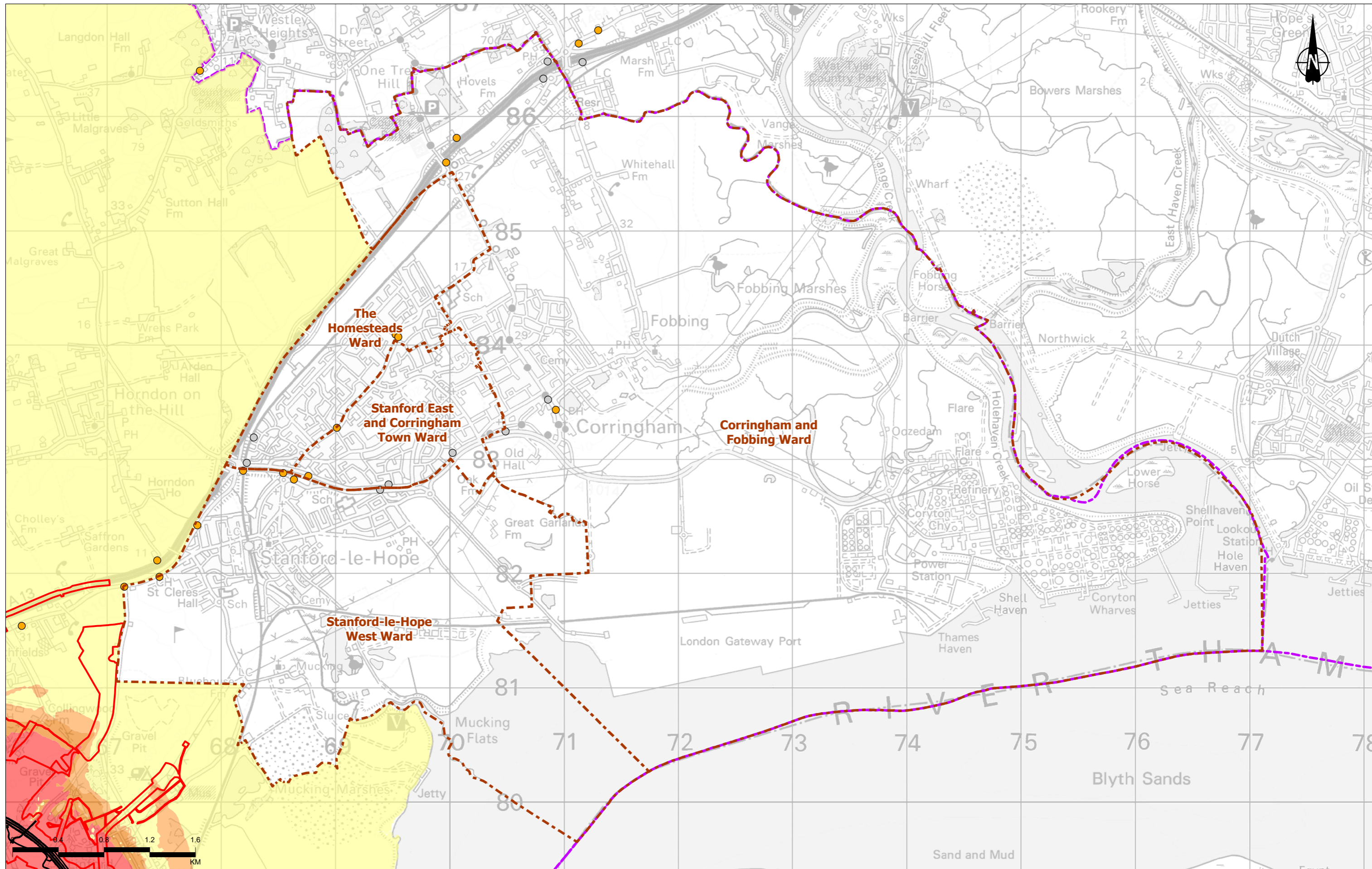
Client

Project

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Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:25,000		
Drawing Title	Figure 7.4 - Community impacts in the wider area: Thurrock - west of Project				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80024				

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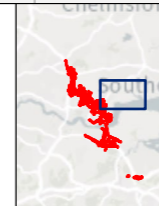
P01	S8	11/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

- Route alignment
- ▭ Order Limits
- ▭ District/Borough/Unitary region
- ▭ Electoral ward boundary
- Degree of change in annual average nitrogen dioxide (NO₂) concentrations
- A minor worsening in air quality
- Negligible

Operation change in road traffic noise opening year

- Negligible noise change, 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

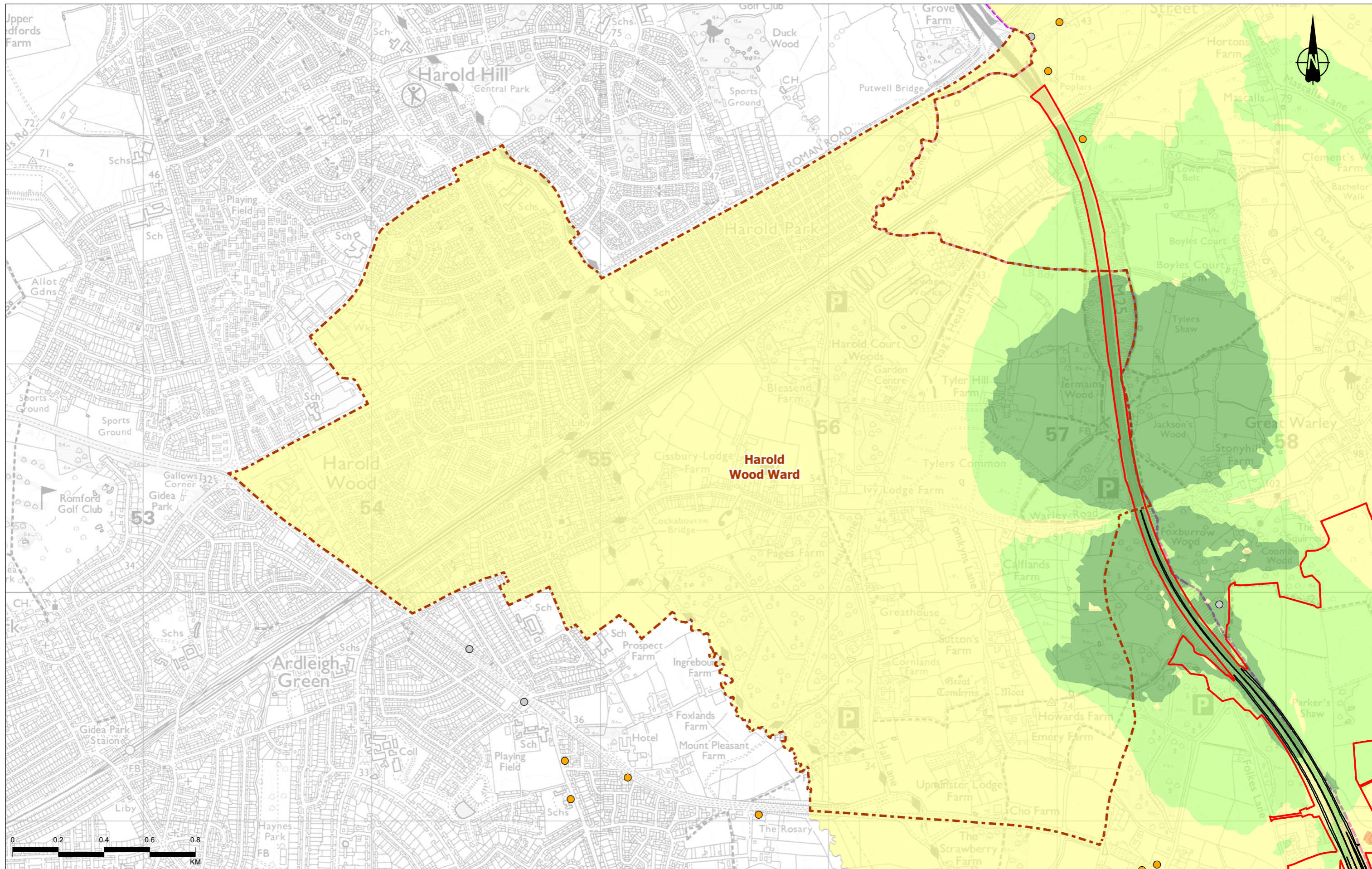


Client
highways england

Project
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Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:30,000		
Drawing Title	Figure 7.5 - Community impacts in the wider area: Thurrock - east of Project				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80025				

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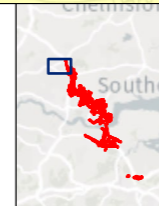
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd
P01	S8	11/10/2022	DCO Application	SW	SW	BF

Legend

- Route alignment
- Order Limits
- District/Borough/Unitary region
- Electoral ward boundary
- Degree of change in annual average nitrogen dioxide (NO₂) concentrations
 - A minor worsening in air quality
 - Negligible

Operation change in road traffic noise opening year

- Moderate noise reduction, 3 to 4.9dB(A)
- Minor noise reduction, 1 to 2.9dB(A)
- Negligible noise change, less than 1dB(A)
- Minor noise increase, 1 to 2.9dB(A)



Client
 highways england

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:15,000		
Drawing Title	Figure 7.6 - Community impacts in the wider area: Havering				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80026				

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