

Lower Thames Crossing 7.16 Community Impact Report (Clean version - part 3 of 4)

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Lower Thames Crossing

7.16 Community Impact Report (Clean version)

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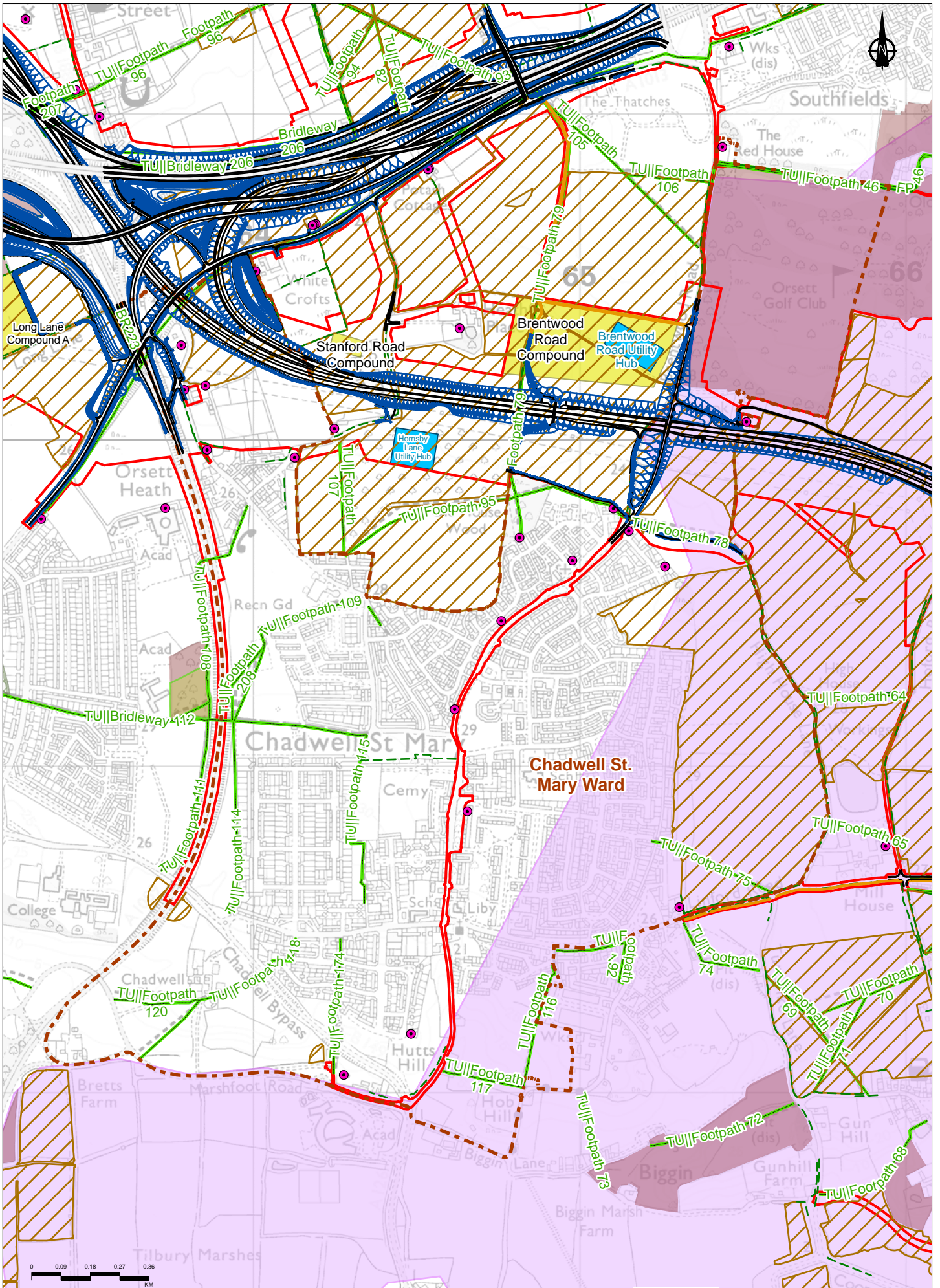
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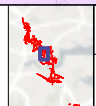
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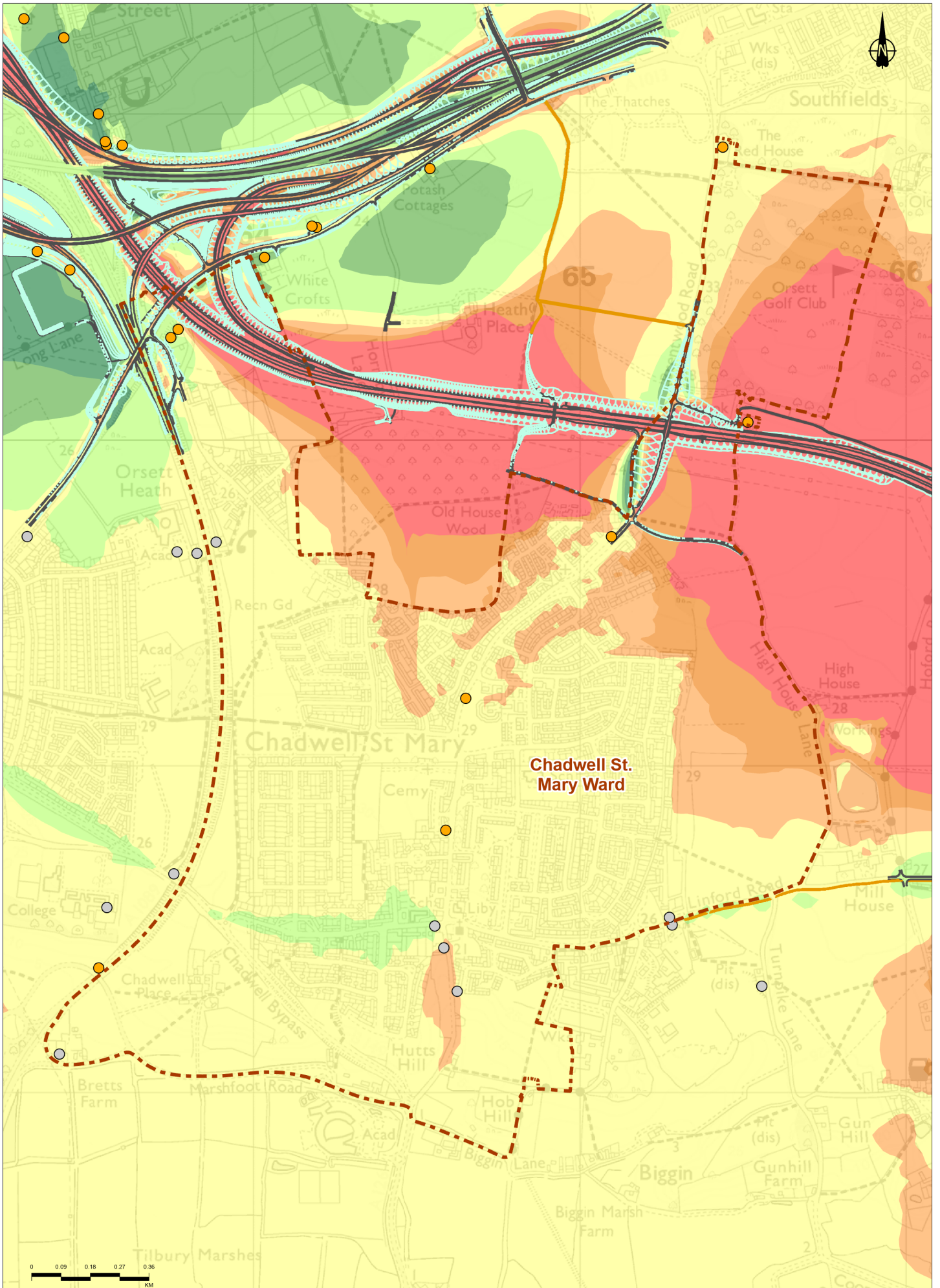


Legend		Site of Special Scientific Interest	
Route alignment	Main works construction compound	Local Wildlife Site	
NMU route	Utility Logistics Hub	Nature Improvement Area	
Earthworks	Construction noise receptor	Arable field	
Order Limits	Existing Public Right of Way	Hedgerow	
Electoral ward boundary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



national highways
 Project LOWER THAMES CROSSING

DCO APPLICATION		Scale	
Application Document Number	TR010032/APP/7.16	A3	1:15,000
Drawing Title	Figure 6.10a - Construction impacts summary plan of Chadwell St. Mary Ward		
Drawing Number	HE540039-CJV-EGN-SZP EGN00000000-DR-LE-80012		



Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Appr'd
P01	SB	24/10/2022	DCO Application	SW	SW	BP

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

Client: **national highways**

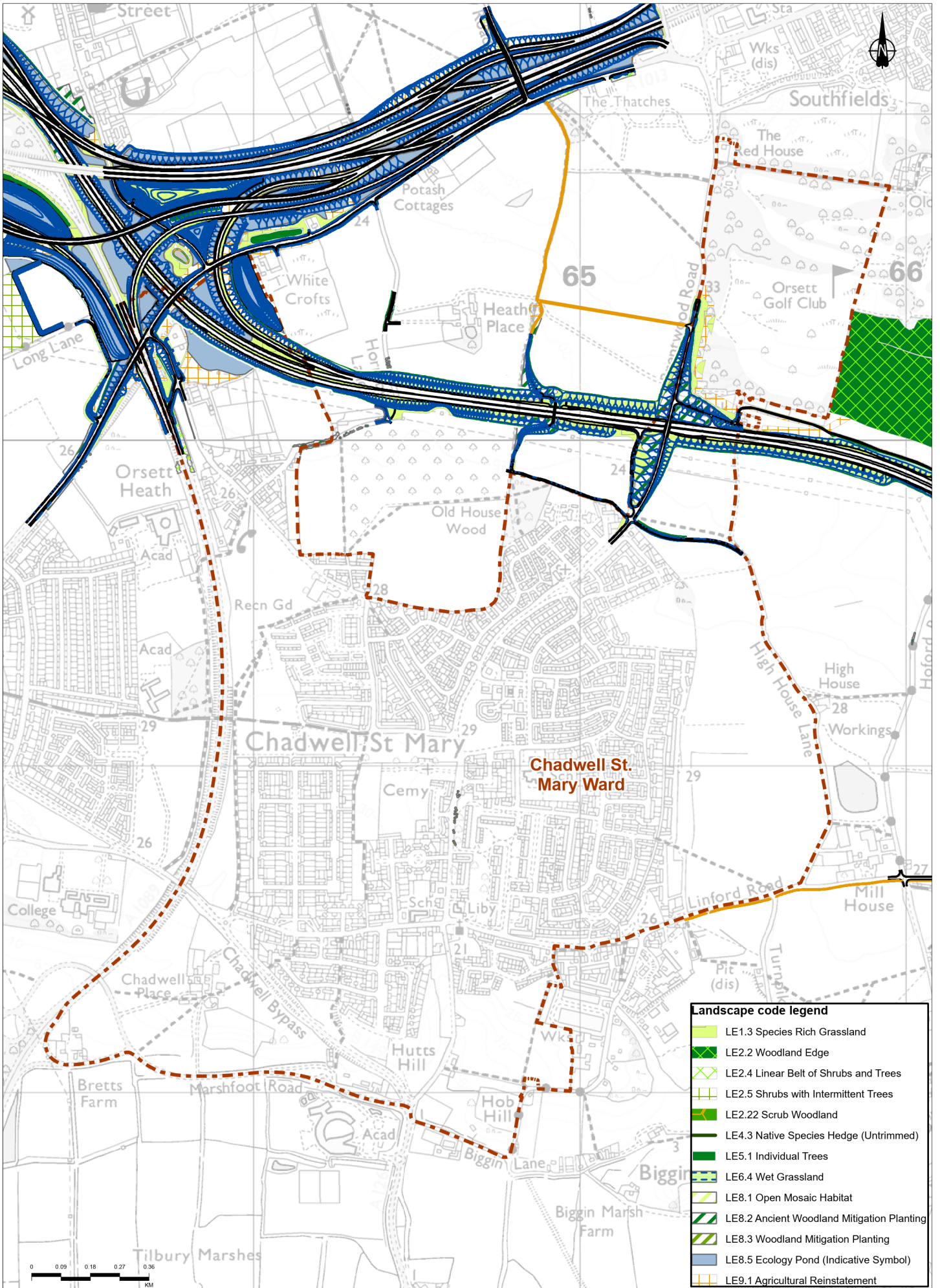
Project: **LOWER THAMES CROSSING**

State	DCO APPLICATION	Original Date	Revision
Application Document Number	TR010032/APP/7.16	A3	P01

Drawing Title: **Figure 6.10b - Operational impacts summary plan of Chadwell St. Mary Ward**

Drawing Number: **HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80012**

Z:\Environment\Community Impacts Report\Figure 6.10 - 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
- LE2.22 Scrub Woodland
- LE4.3 Native Species Hedge (Untrimmed)
- LE5.1 Individual Trees
- LE6.4 Wet Grassland
- LE8.1 Open Mosaic Habitat
- LE8.2 Ancient Woodland Mitigation Planting
- LE8.3 Woodland Mitigation Planting
- LE8.5 Ecology Pond (Indicative Symbol)
- LE9.1 Agricultural Reinstatement

Legend

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

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check	Appr'd
P01	S8	21/10/2022	DCO Application	SW	SW	BF

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: **DCO APPLICATION**

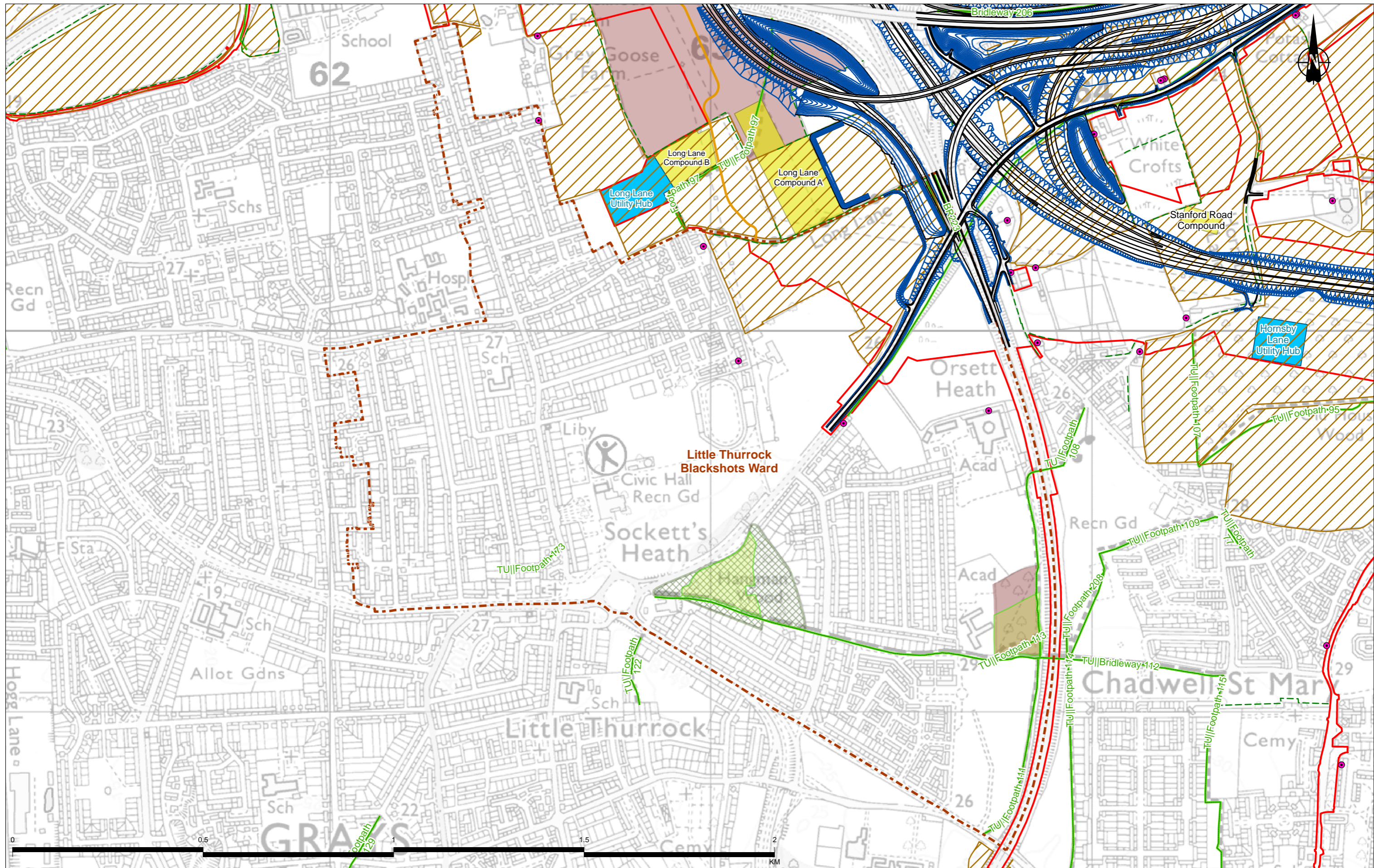
Application Document Number: **TR010032/APP/7.16**

Drawing Title: **Figure 6.10c - Mitigation proposals in Chadwell St. Mary Ward**

Drawing Number: **HE540039-C.V-EGN-SZP_EGNE00000000-DR-LE-80012**

Scale: **1:18,000**

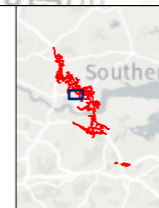
© Environment Community Impact Report Figure 6c - Mitigation Proposals



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

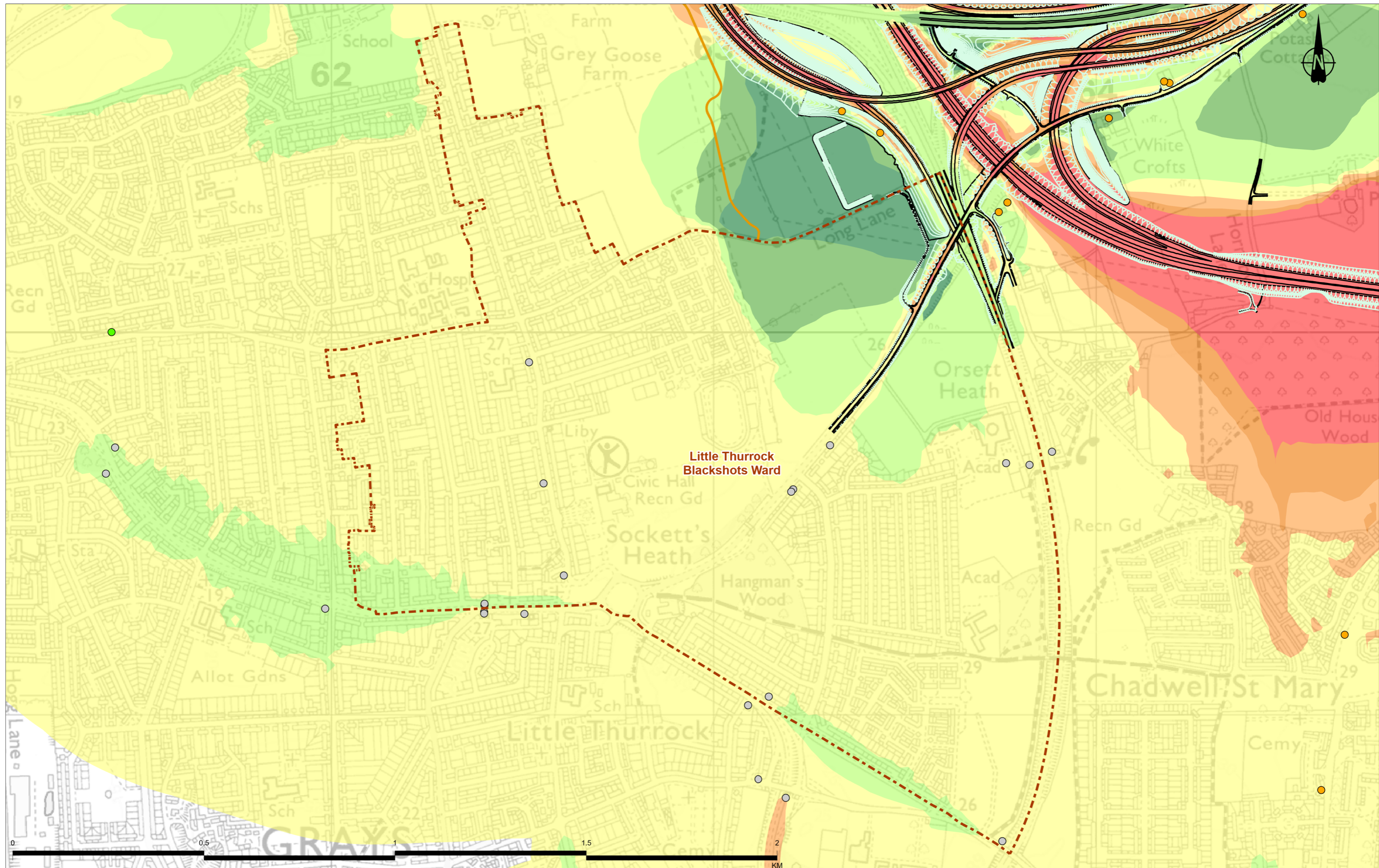
Legend	
— Route alignment	— Electoral ward boundary
— NMU route	— Main works construction compound
— Earthworks	— Utility Logistics Hub
— Order Limits	● Construction noise receptor
— Existing Public Right of Way	— Arable field
— Ancient Woodland	— Hedgerow
— Site of Special Scientific Interest	— Local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



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 6.11a - Construction impacts summary plan of Little Thurrock Blackshots Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80013				



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

Legend

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

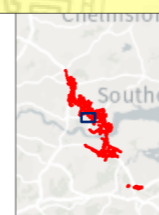
Operation Change in Road Traffic Noise Opening Year
OY Key des

- 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

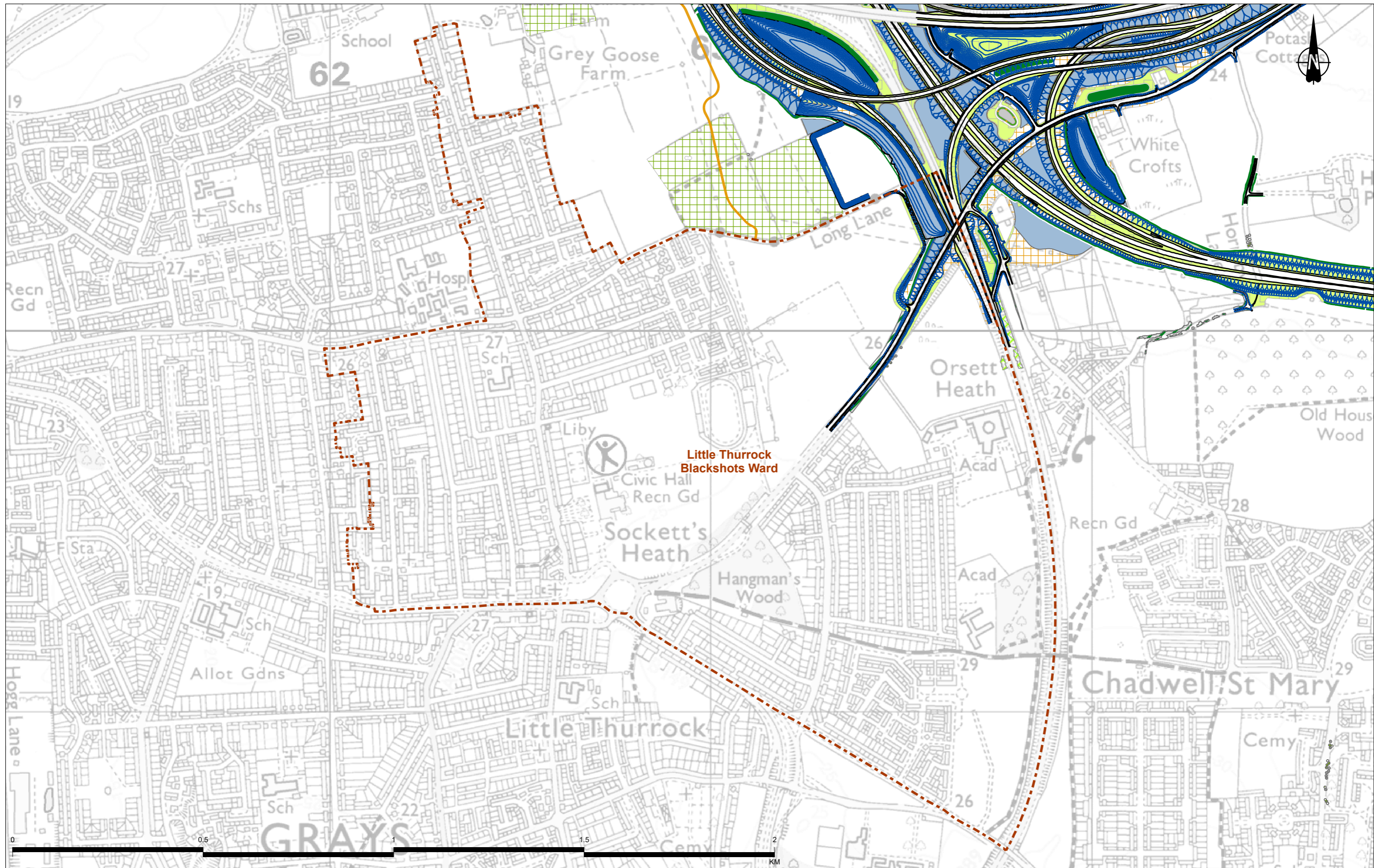


Client
national highways

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 6.11b - Operational impacts summary plan of Little Thurrock Blackshots Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80013				

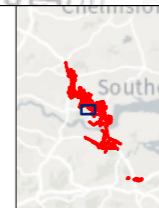
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx



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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		LE2.4 Linear Belt of Shrubs and Trees
	NMU Route		LE5.1 Individual Trees
	Earthworks		LE6.4 Wet Grassland
	Electoral ward boundary		LE8.1 Open Mosaic Habitat
	LE1.3 Species Rich Grassland		LE8.2 Ancient Woodland Mitigation Planting
	LE2.5 Shrubs with Intermittent Trees		LE8.3 Woodland Mitigation Planting
	LE2.22 Scrub Woodland		LE8.5 Ecology Pond (Indicative Symbol)
	LE4.3 Native Species Hedge (Untrimmed)		LE9.1 Agricultural Reinstatement

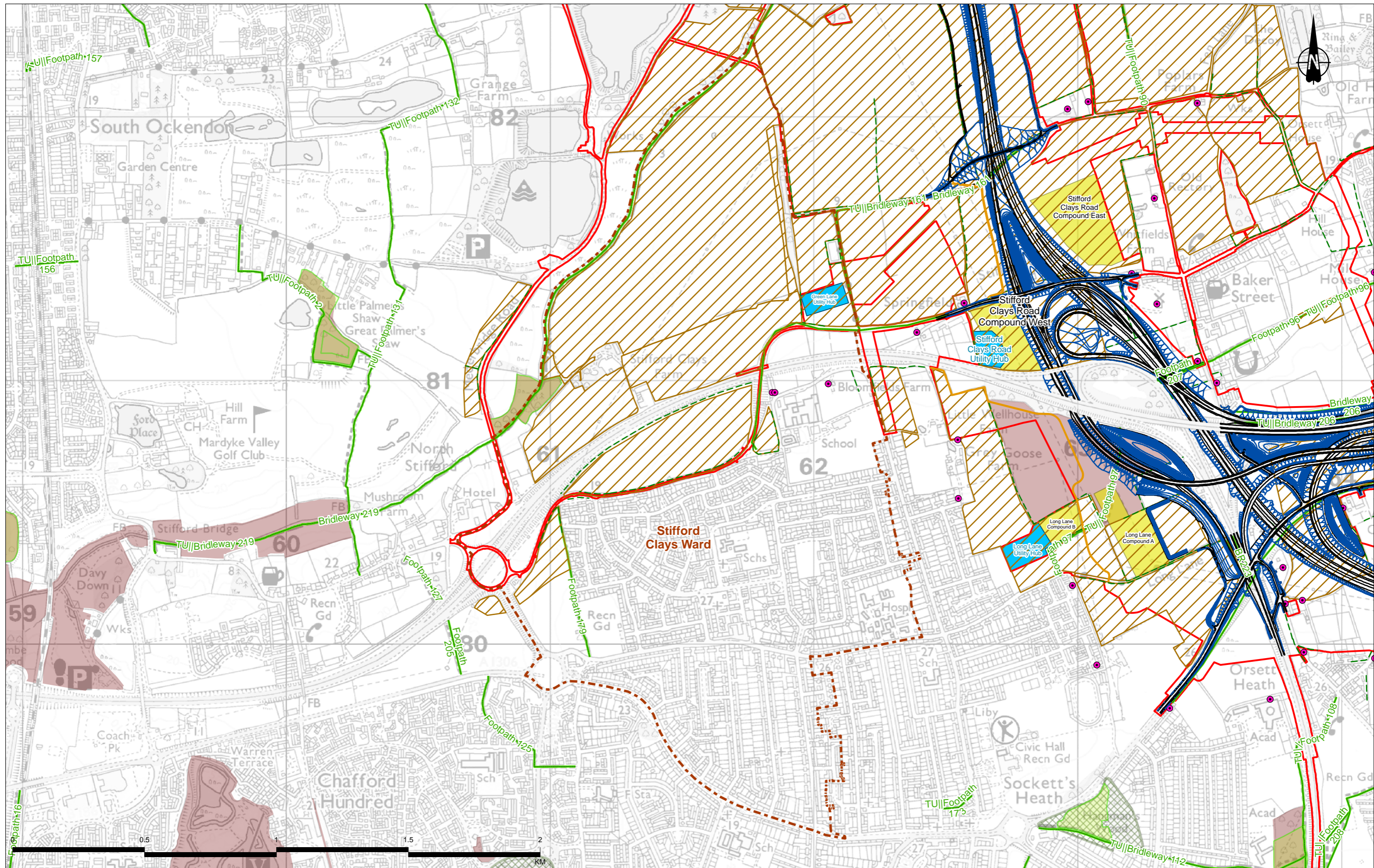


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:9,000		
Drawing Title	Figure 6.11c - Mitigation proposals in Little Thurrock Blackshots Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80013				

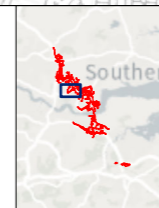
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P01	S8	21/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd

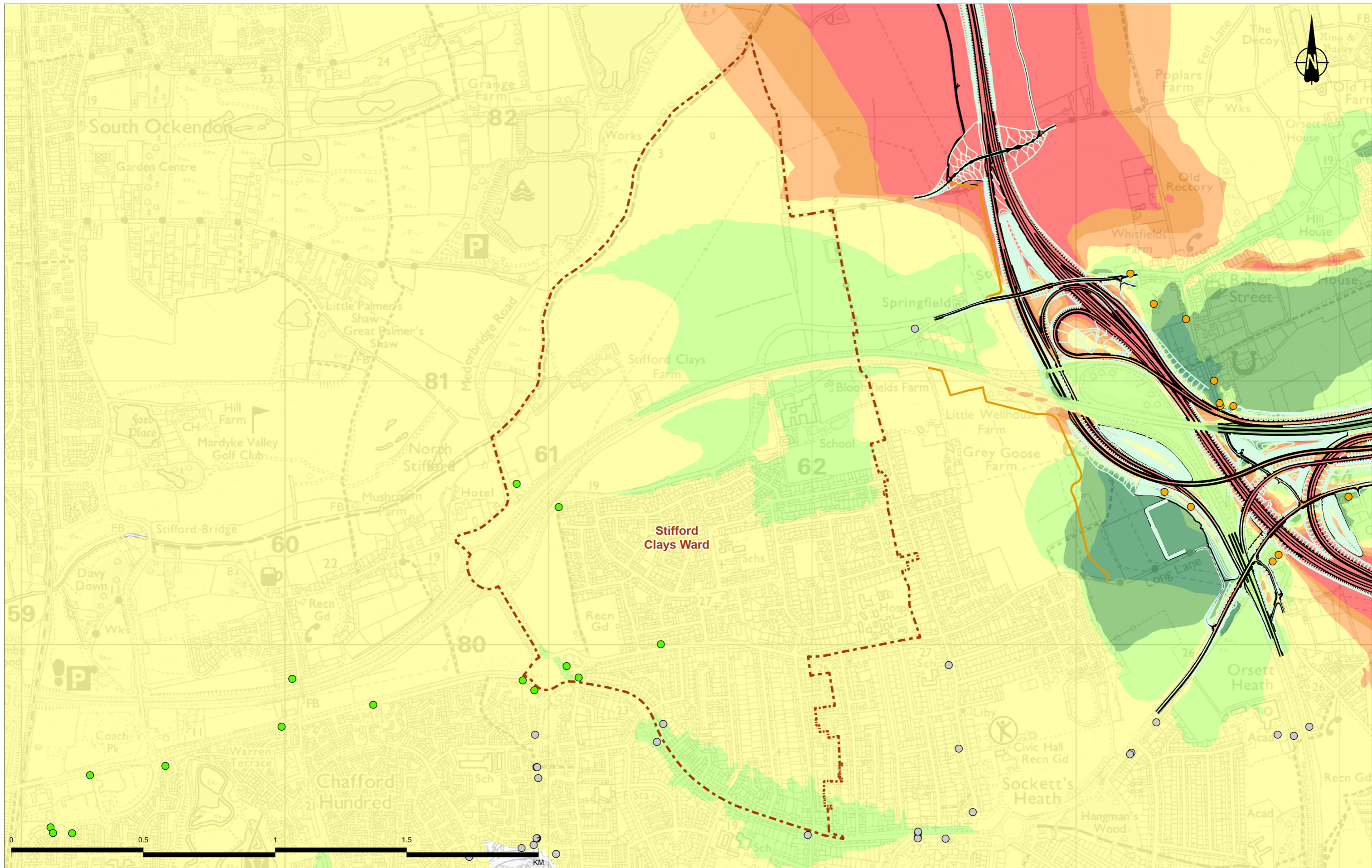
Legend	
— Route alignment	— Electoral ward boundary
— NMU route	— Main works construction compound
— Earthworks	— Utility Logistics Hub
— Order Limits	— Construction noise receptor
— Existing Public Right of Way	— Ancient Woodland
— Arable field	— Site of Special Scientific Interest
— Hedgerow	— Local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



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:13,000		
Drawing Title	Figure 6.12a - Construction impacts summary plan of Stifford Clays Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80014				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
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

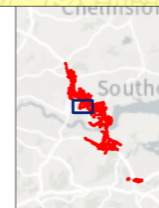
- Major noise reduction, 5dB(A) or more
- Moderate noise reduction, 3 to 4.9dB(A)
- Minor noise reduction, 1 to 2.9dB(A)

Operation Change in Road Traffic Noise Opening Year

- 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

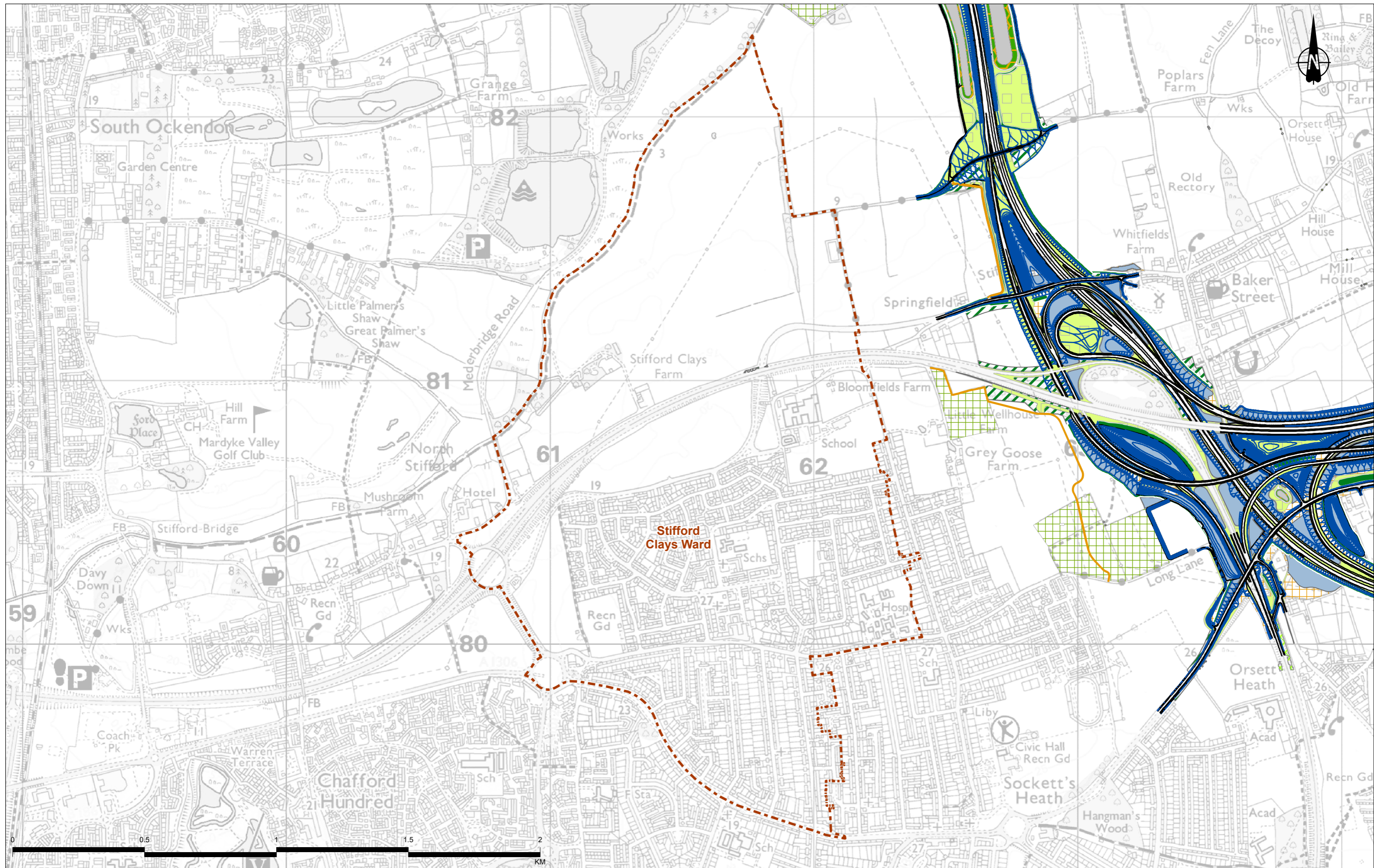


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:13,000		
Drawing Title	Figure 6.12b - Operational impacts summary plan of Stifford Clays Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80014				

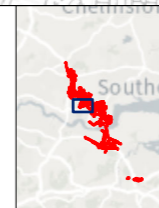
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx



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

Legend	
	Route alignment
	NMU Route
	Earthworks
	Electoral ward boundary
	LE1.3 Species Rich Grassland
	LE2.4 Linear Belt of Shrubs and Trees
	LE2.5 Shrubs with Intermittent Trees
	LE2.22 Scrub Woodland
	LE4.3 Native Species Hedge (Untrimmed)
	LE5.1 Individual Trees
	LE6.4 Wet Grassland
	LE8.1 Open Mosaic Habitat
	LE8.2 Ancient Woodland Mitigation Planting
	LE8.3 Woodland Mitigation Planting
	LE8.5 Ecology Pond (Indicative Symbol)
	LE9.1 Agricultural Reinstatement

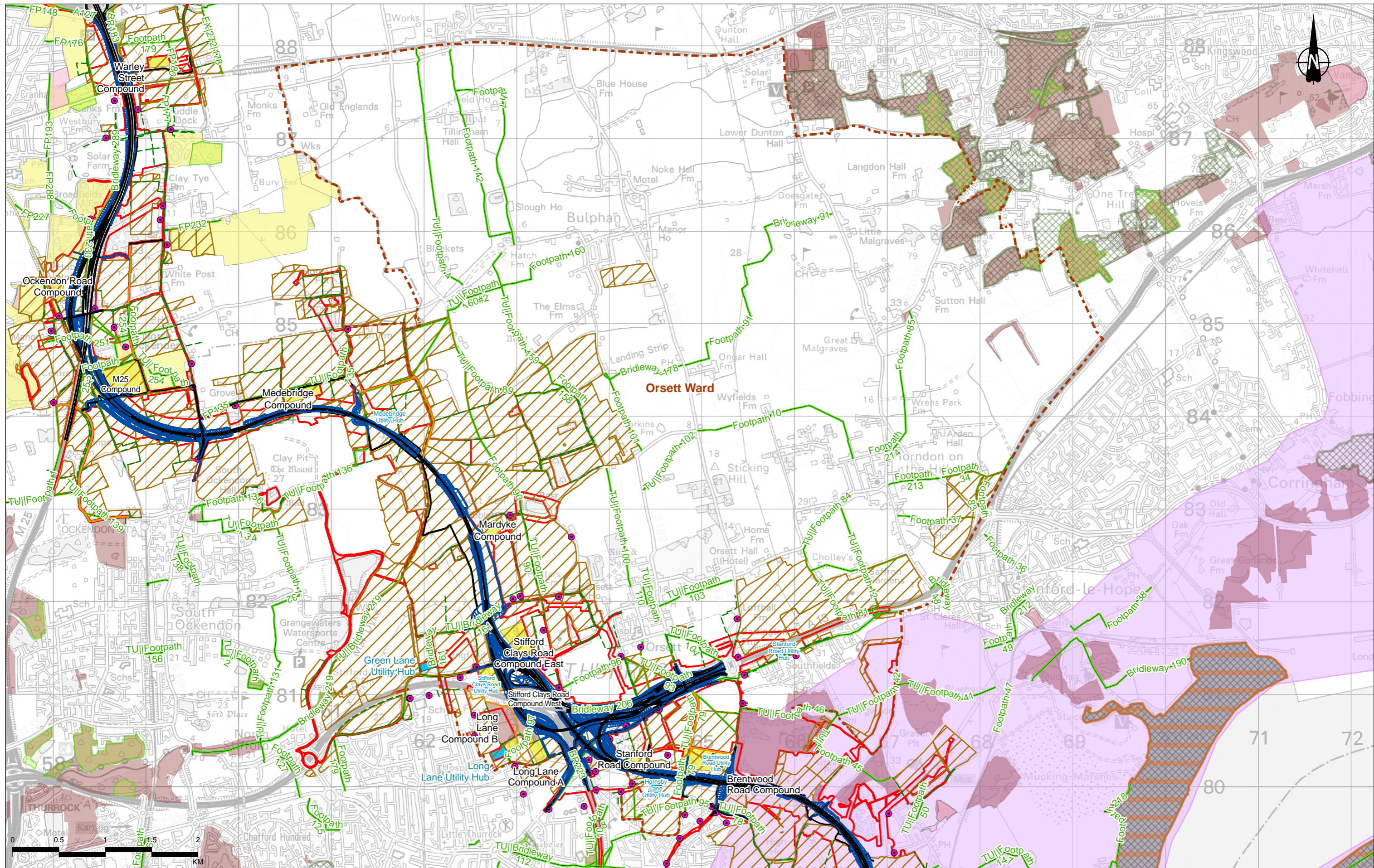


Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:13,000		
Drawing Title	Figure 6.12c - Mitigation proposals in Stifford Clays Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80014				

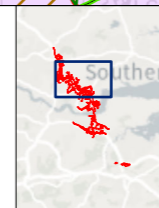
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P01	S8	21/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

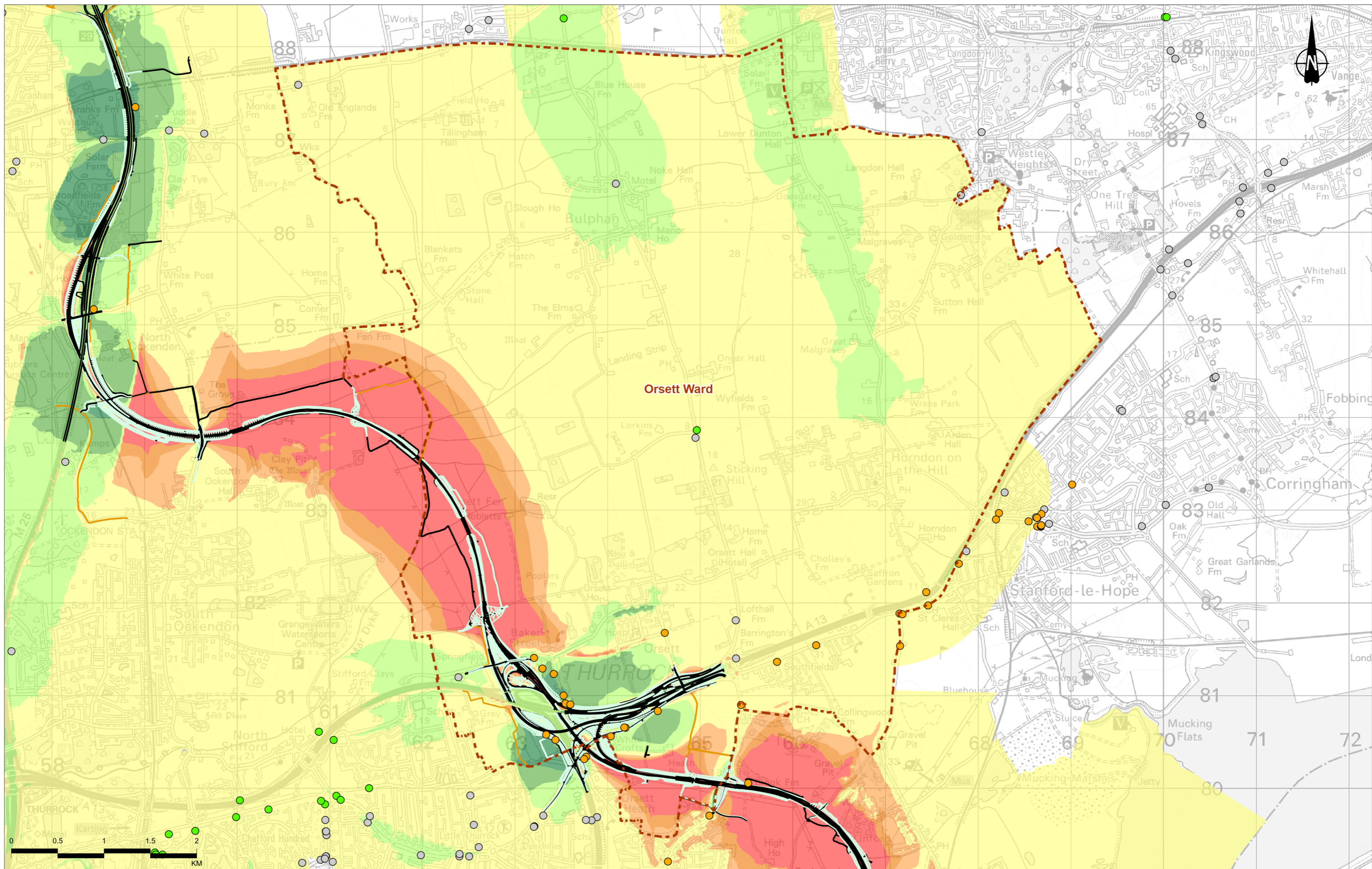
Legend	
	Route alignment
	Main works construction compound
	NMU route
	Utility Logistics Hub
	Earthworks
	Construction noise receptor
	Order Limits
	Electoral ward boundary
	Existing Public Right of Way
	Ancient Woodland
	Local Nature Reserve
	Ramsar site
	Site of Special Scientific Interest
	Special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



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:37,000		
Drawing Title	Figure 6.13a - Construction impacts summary plan of Orsett Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80015				



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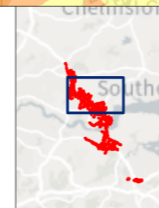
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	S8	24/10/2022	DCO Application	SW	SW	BF

- 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)
- 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

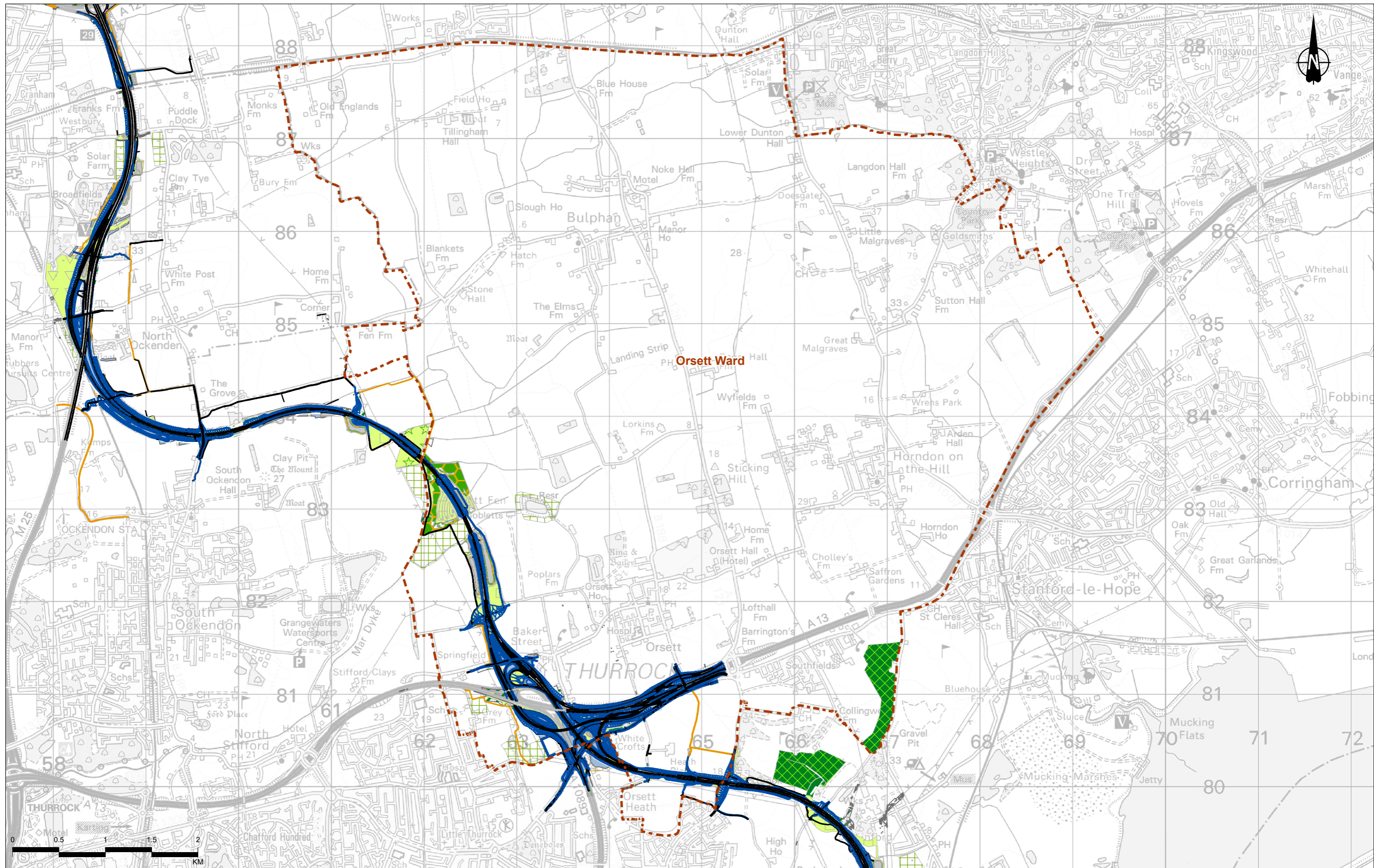


Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:37,000		
Drawing Title	Figure 6.13b - Operational impacts summary plan of Orsett Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80015				

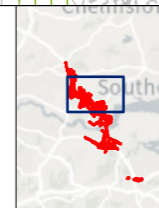
Z:\Environment\Community Impacts Report\Figure 6b - Operational Impacts Summary Plan.aprx



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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
—	NMU Route
—	Earthworks
- - -	Electoral ward boundary
—	Acoustic barrier
—	LE1.3 Species Rich Grassland
—	LE1.31 Species Rich Chalk Grassland
—	LE1.32 Annual Wildflower Grassland
—	LE2.2 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
—	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

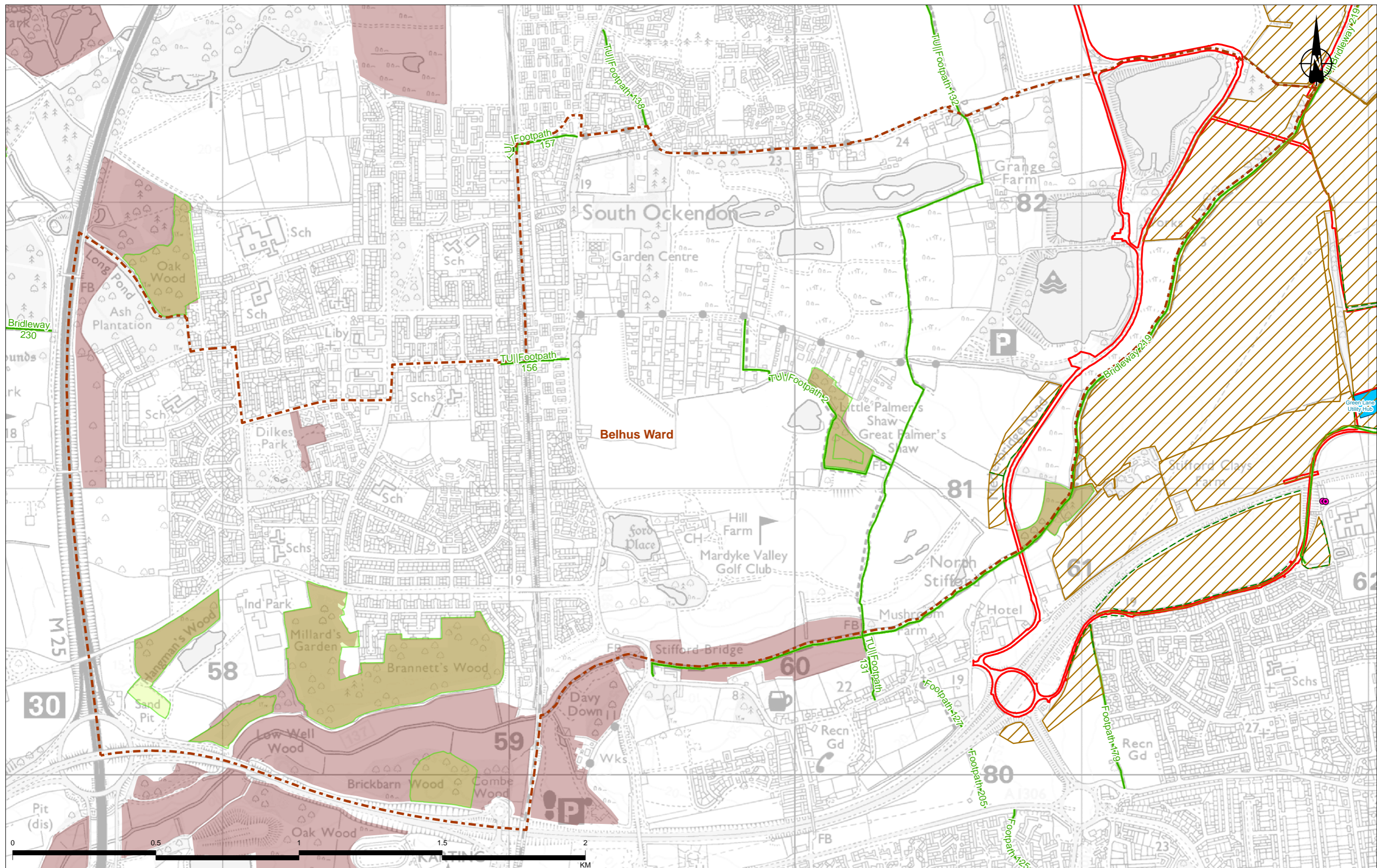


Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:37,000		
Drawing Title	Figure 6.13c - Mitigation proposals in Orsett Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80015				

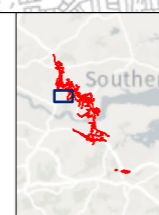
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P01	S8	21/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

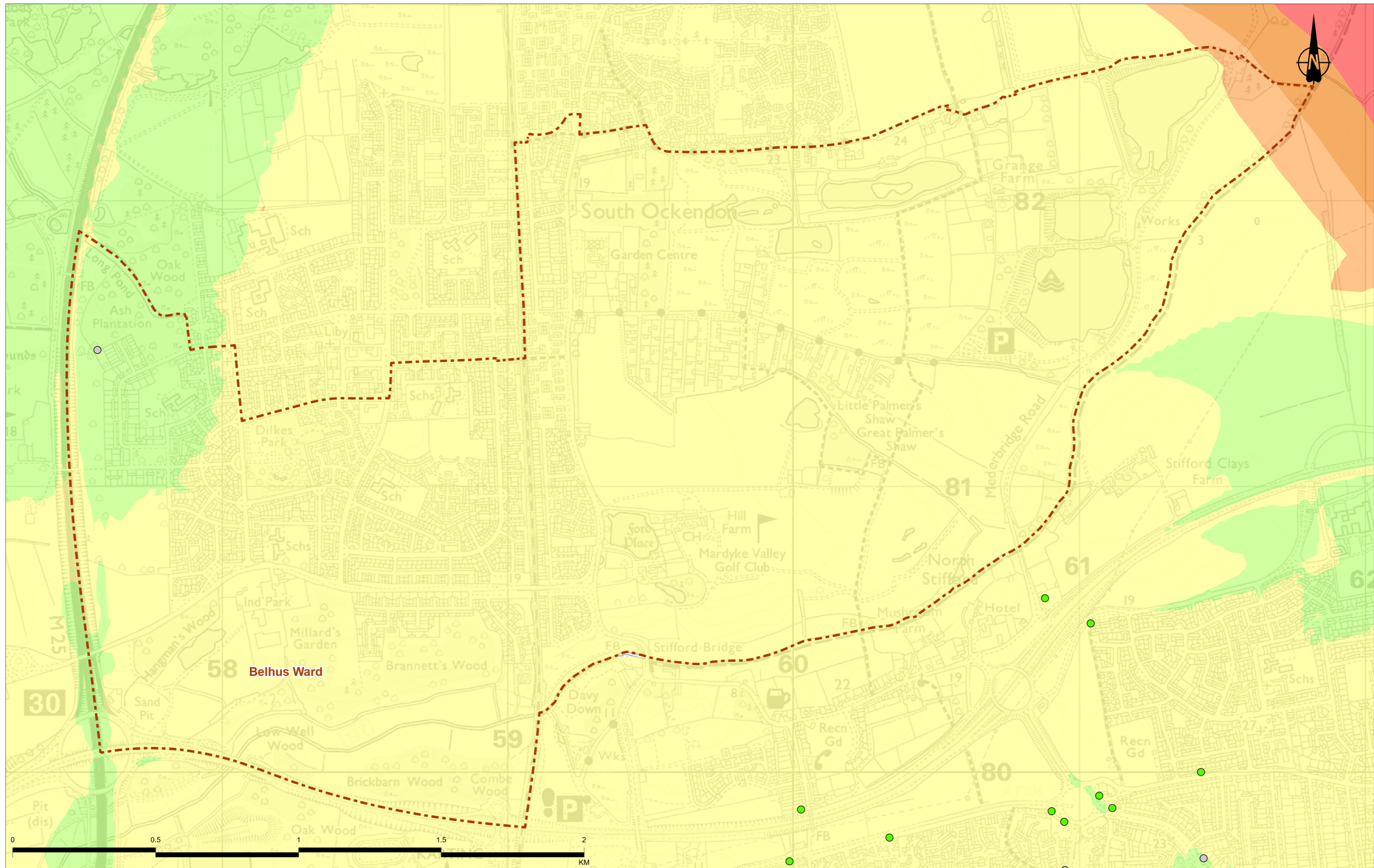
Legend					
—	Route alignment	—	Order Limits	●	Construction noise receptor
—	NMU route	—	Electoral ward boundary	—	Existing Public Right of Way
—	Earthworks	—	Utility Logistics Hub	—	Ancient Woodland
—		—		—	Local Wildlife Site
—		—		—	Arable field
—		—		—	Hedgerow



Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:12,000		
Drawing Title	Figure 6.14a - Construction impacts summary plan of Belhus Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80016				



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

Legend

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)

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

Magnitude

- Negligible
- A minor improvement in air quality

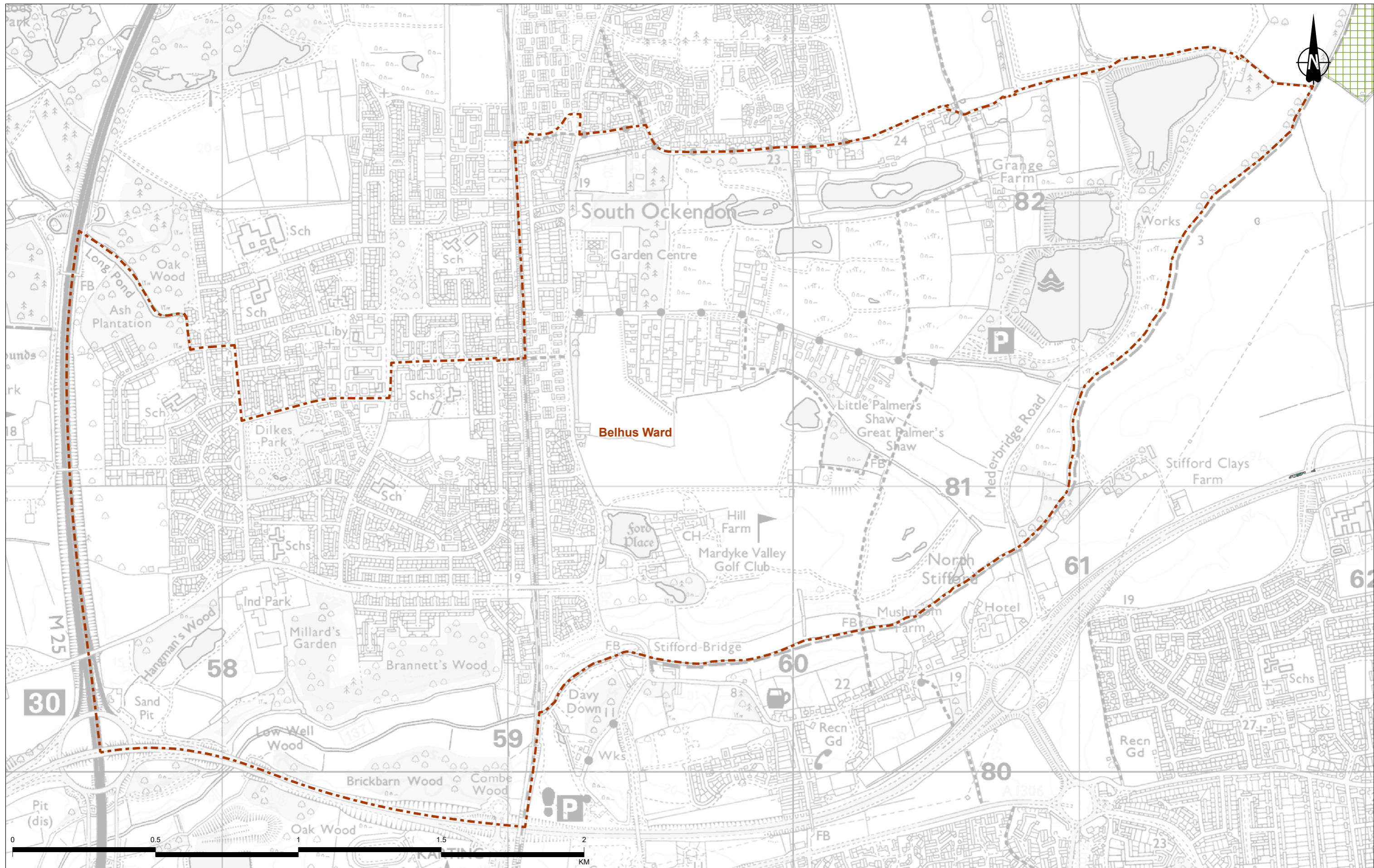
Client

Project

LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:12,000		
Drawing Title	Figure 6.14b - Operational impacts summary plan of Belhus Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80016				

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

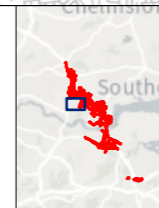


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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend

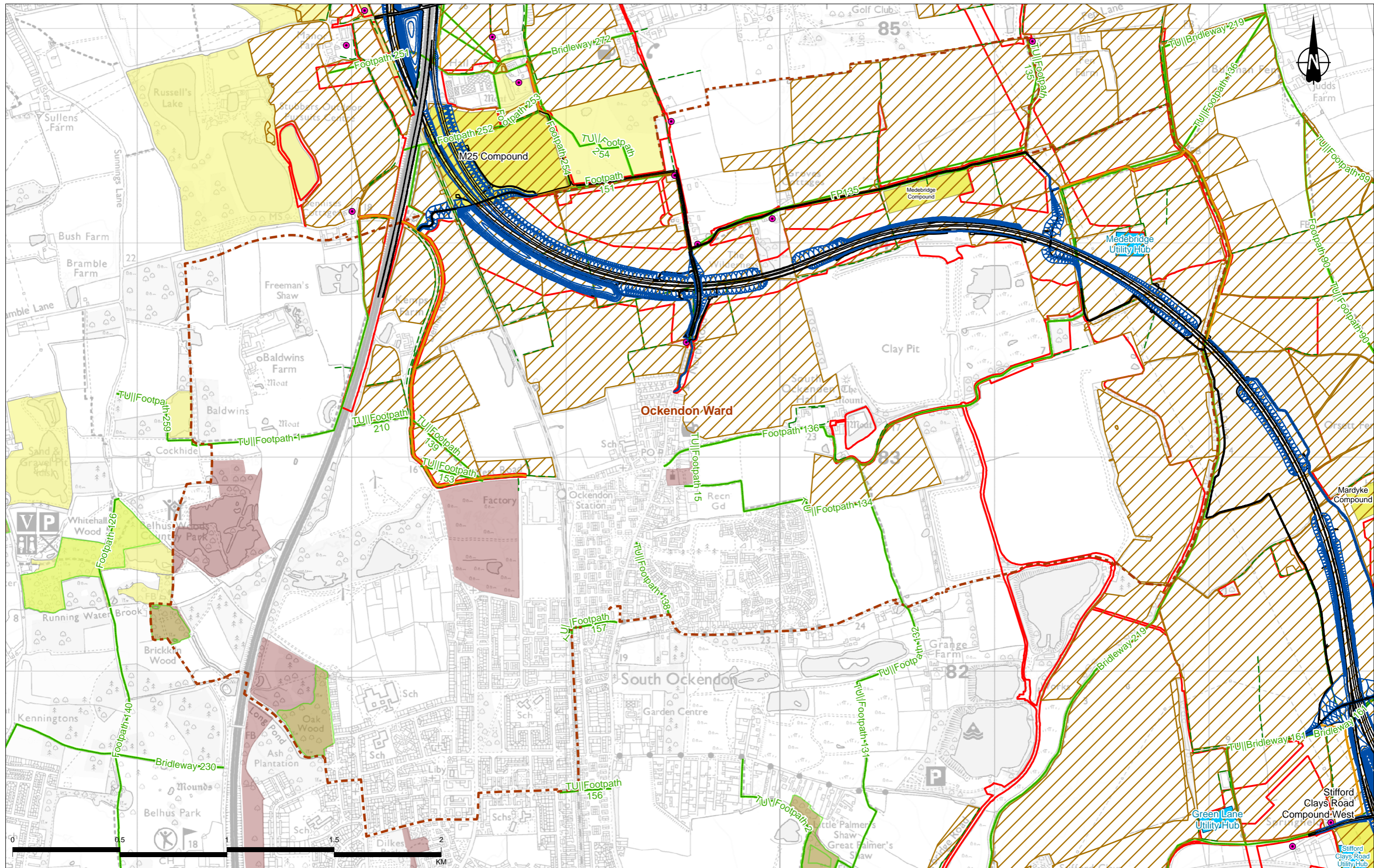
- Electoral ward boundary
- LE2.5 Shrubs with Intermittent Trees
- LE8.2 Ancient Woodland Mitigation Planting



Client: national highways

Project: LOWER THAMES CROSSING

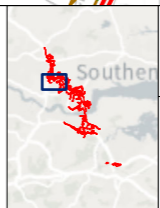
Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:12,000		
Drawing Title	Figure 6.14c - Mitigation proposals in Belhus Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80016				



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

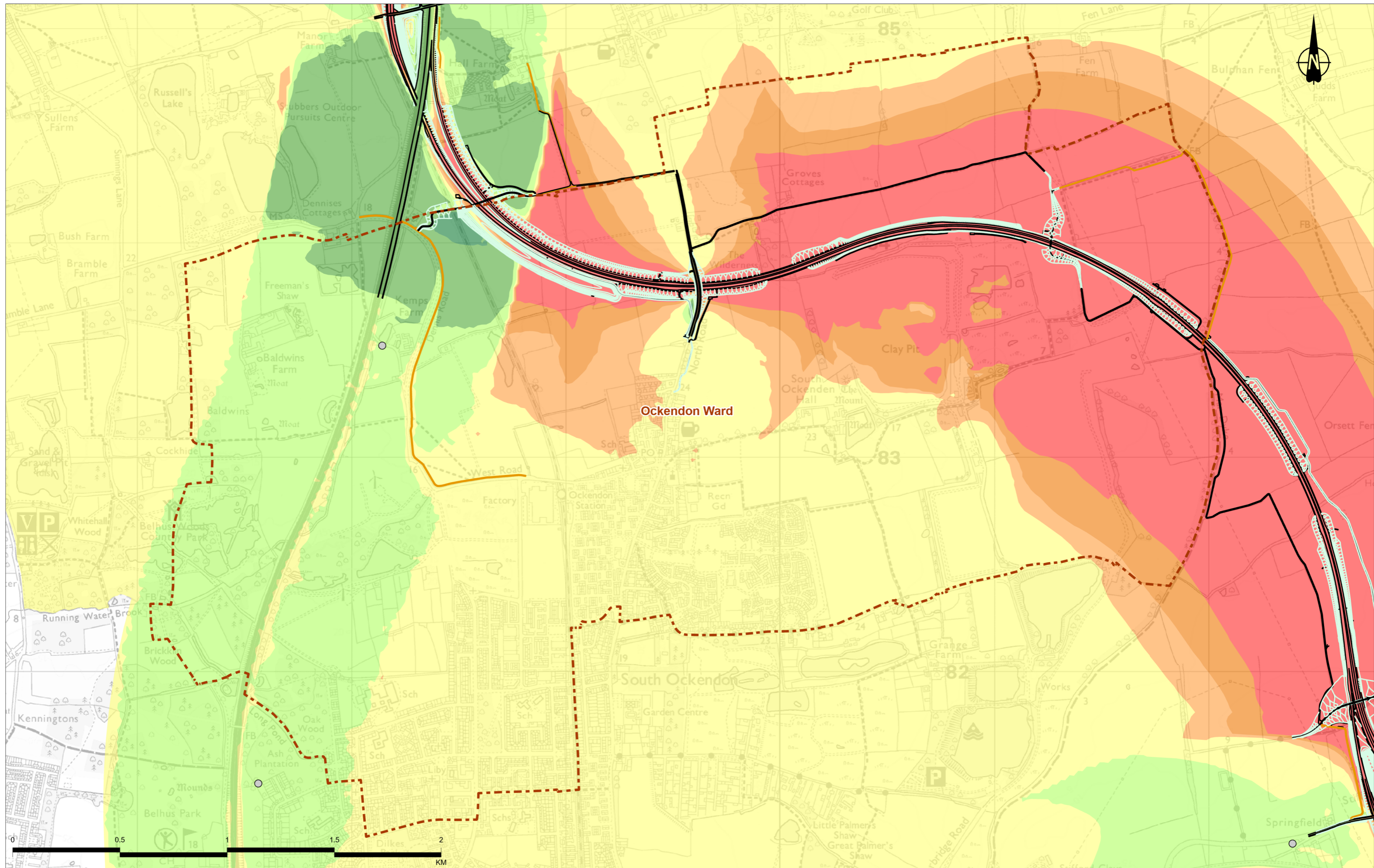
Legend			
	Route alignment		Main works construction compound
	NMU route		Utility Logistics Hub
	Earthworks		Local Wildlife Site
	Order Limits		Site of Importance for Nature Conservation (SINC)
	Electoral ward boundary		Arable field
	Construction noise receptor		Hedgerow
	Existing Public Right of Way		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	1:16,000		
Drawing Title	Figure 6.15a - Construction impacts summary plan of Ockendon Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80017				



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
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

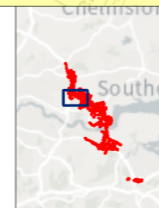
- Major noise reduction, 5dB(A) or more
- Moderate noise reduction, 3 to 4.9dB(A)

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

- 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

- Negligible

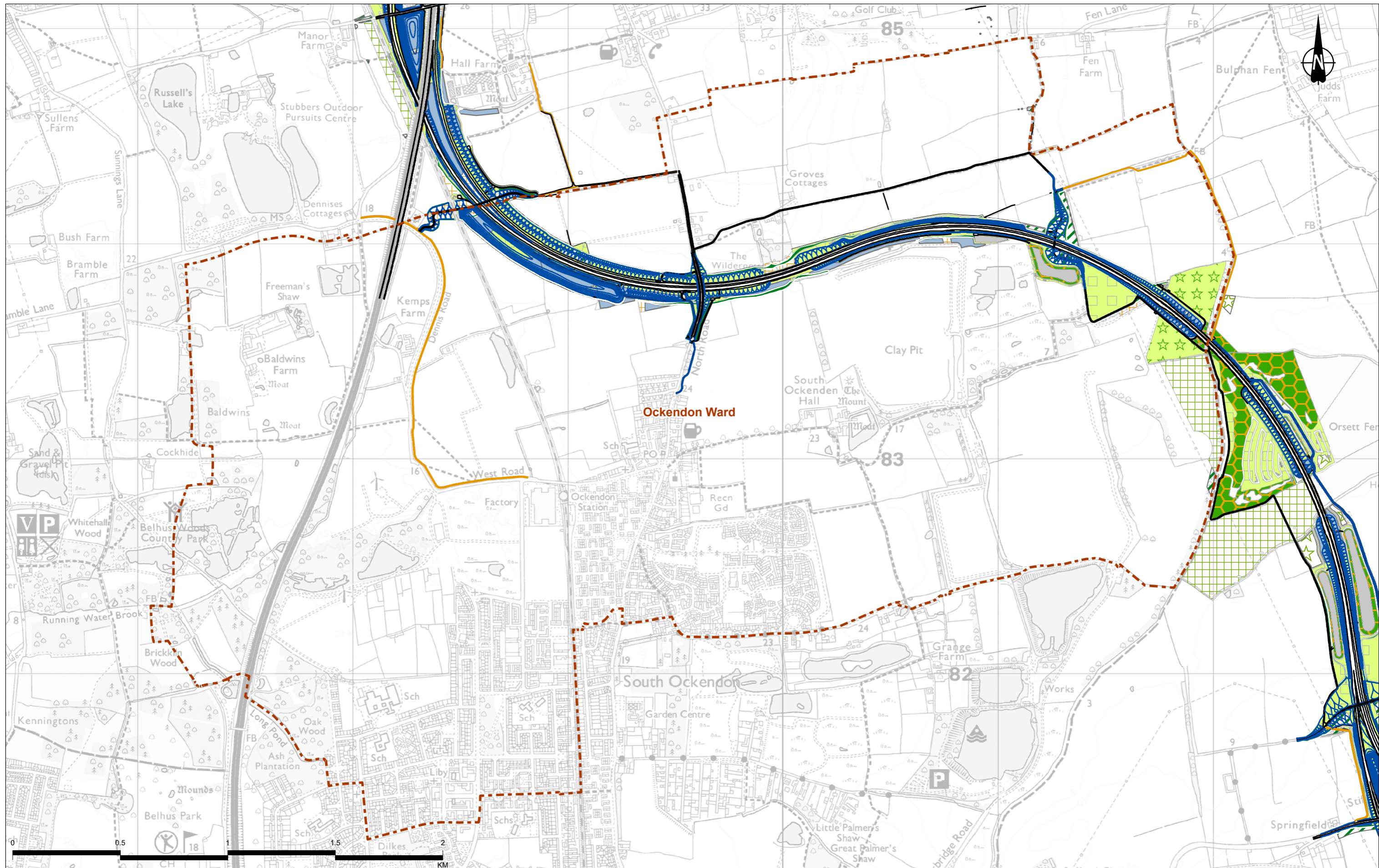


Client
national highways

Project
LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:16,000		
Drawing Title	Figure 6.15b - Operational impacts summary plan of Ockendon Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80017				

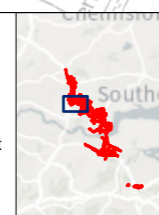
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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv'd

Legend	
	Route alignment
	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
	LE2.22 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
	LE8.5 Ecology Pond (Indicative Symbol)
	LE9.1 Agricultural Reinstatement

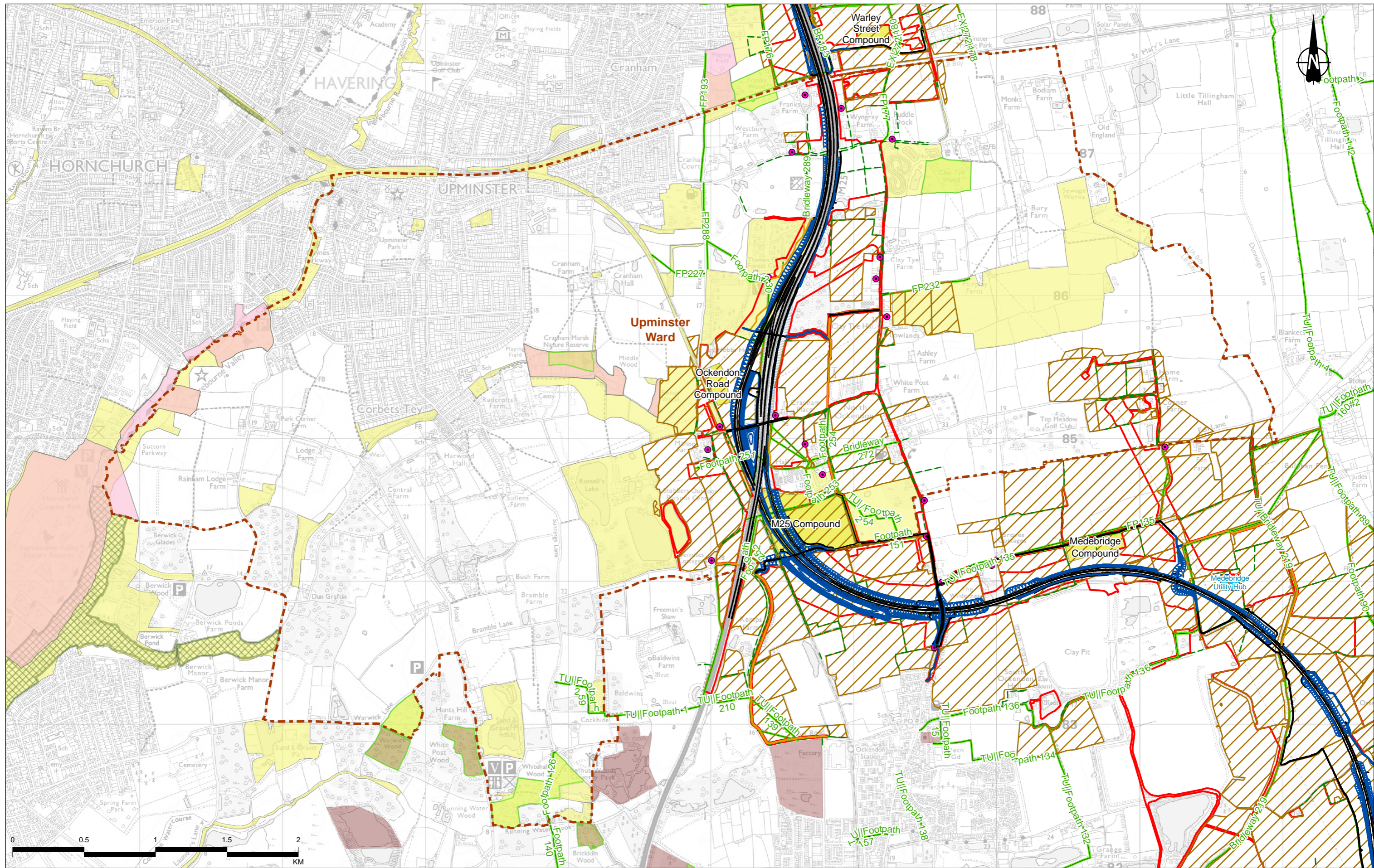


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:16,000		
Drawing Title	Figure 6.15c - Mitigation proposals in Ockendon Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80017				

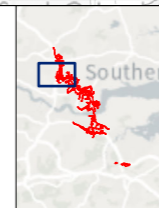
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprvd
P01	S8	21/10/2022	DCO Application	SW	SW	BF

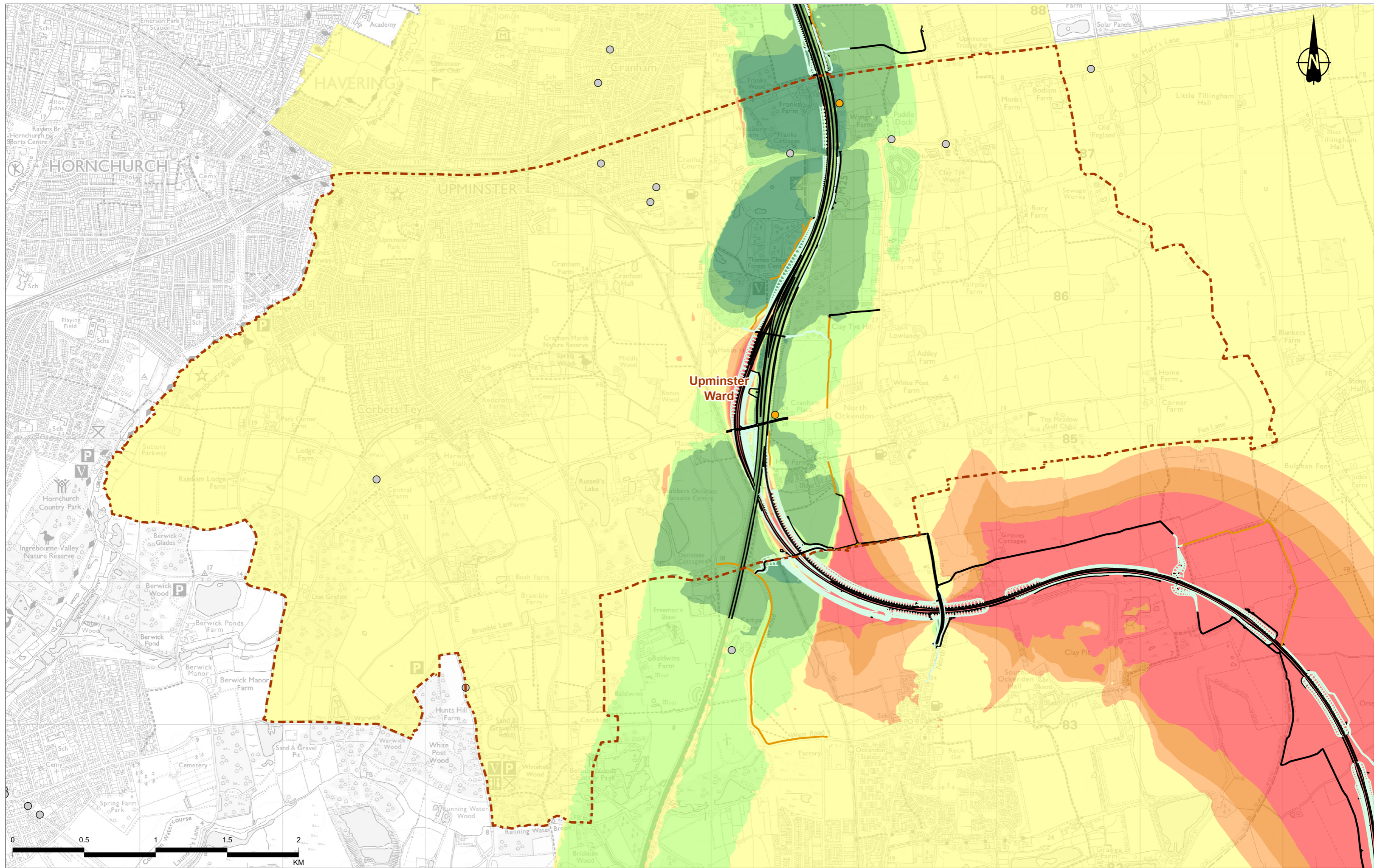
Legend	
Route alignment	Utility Logistics Hub
NMU route	Construction noise receptor
Earthworks	Existing Public Right of Way
Order Limits	Ancient Woodland
Electoral ward boundary	Local Nature Reserve
Main works construction compound	Site of Special Scientific Interest
Local Wildlife Site	Site of Importance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



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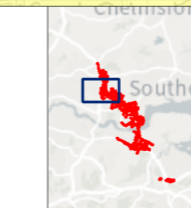
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	S8	24/10/2022	DCO Application	SW	SW	BF

- 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



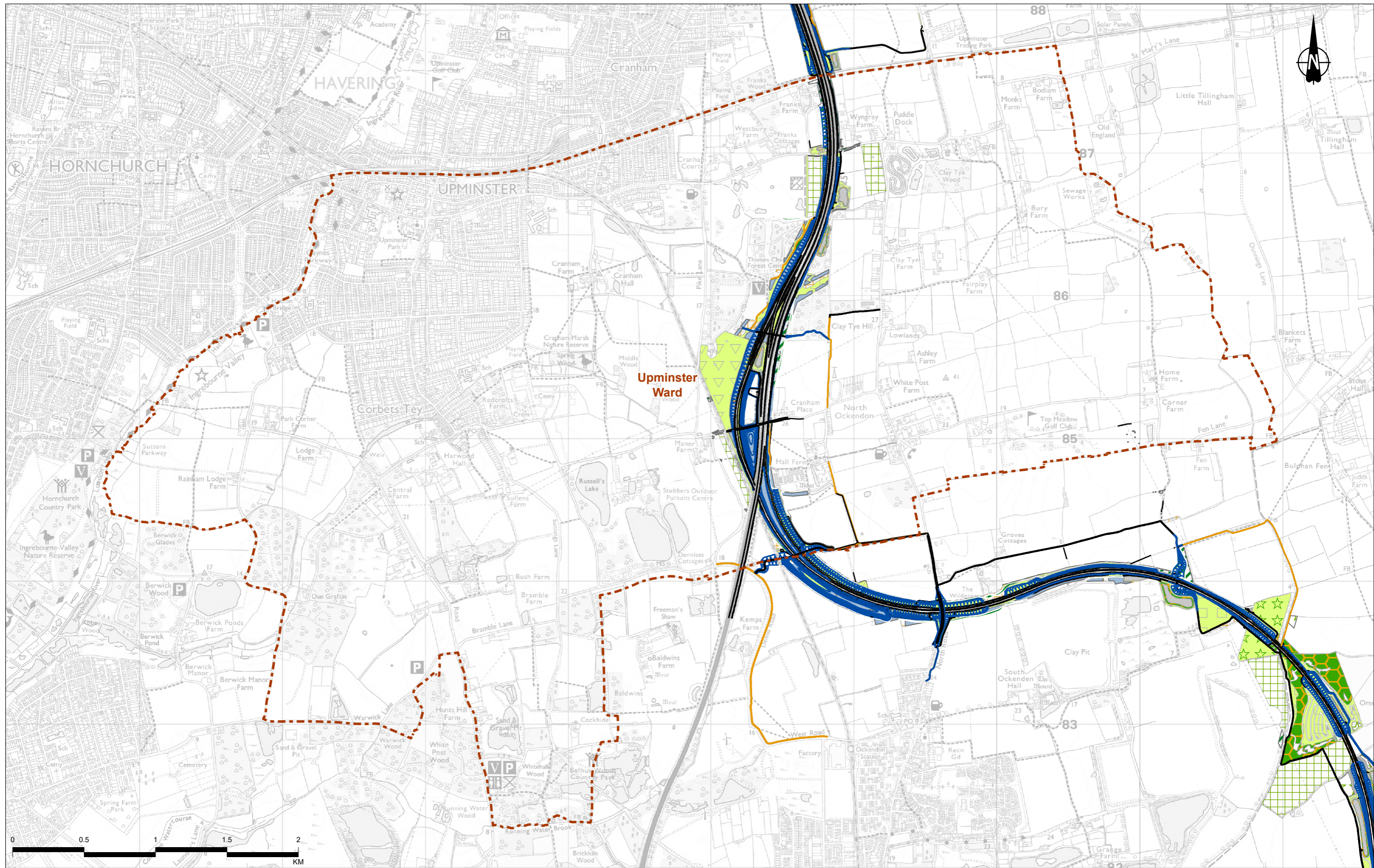
Client

Project

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 6.16b - Operational impacts summary plan of Upminster Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80018				

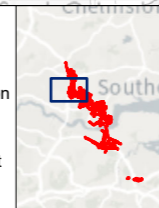
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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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

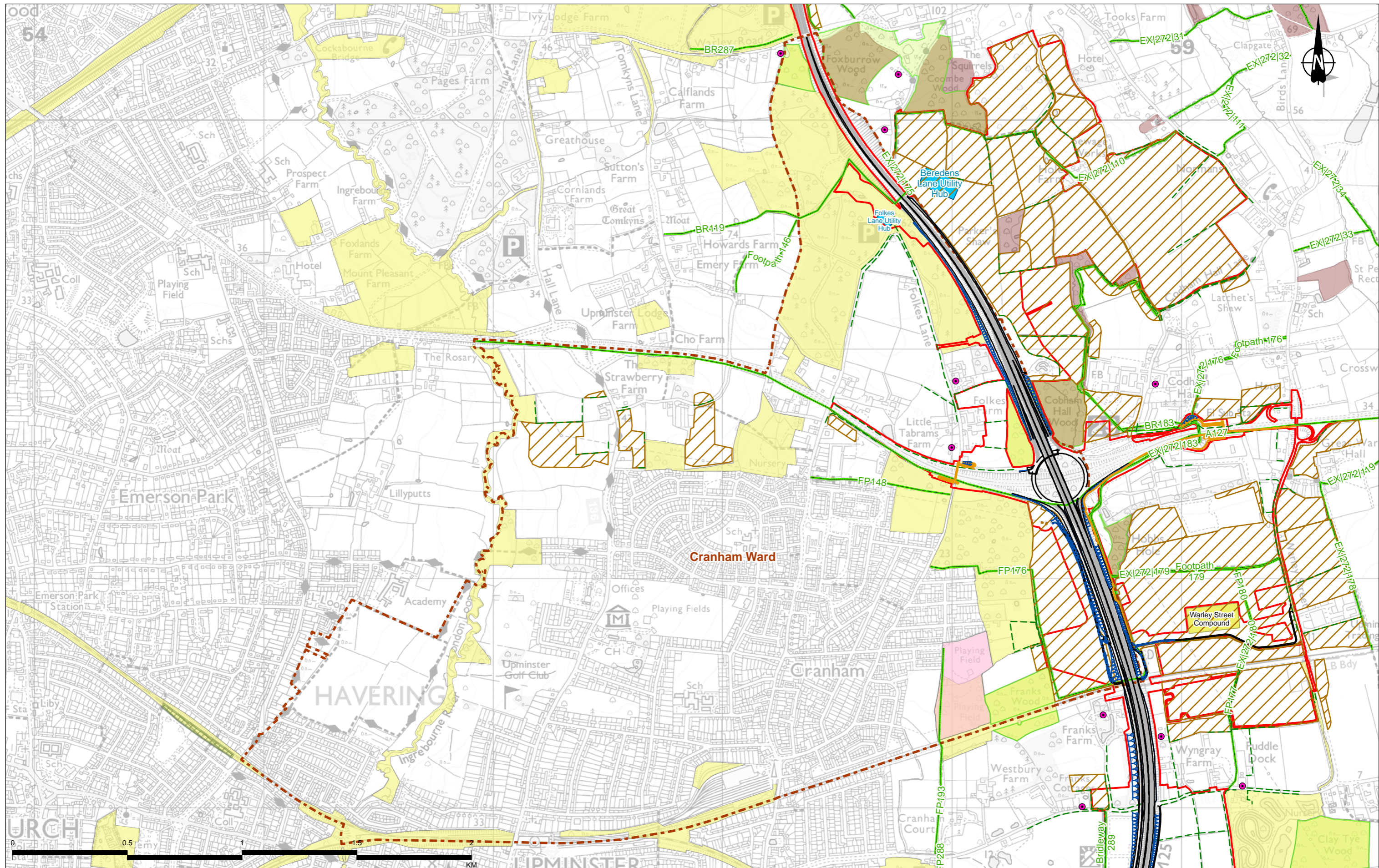


Client: national highways

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				

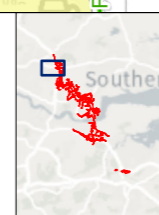
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	S8	21/10/2022	DCO Application	SW	SW	BF

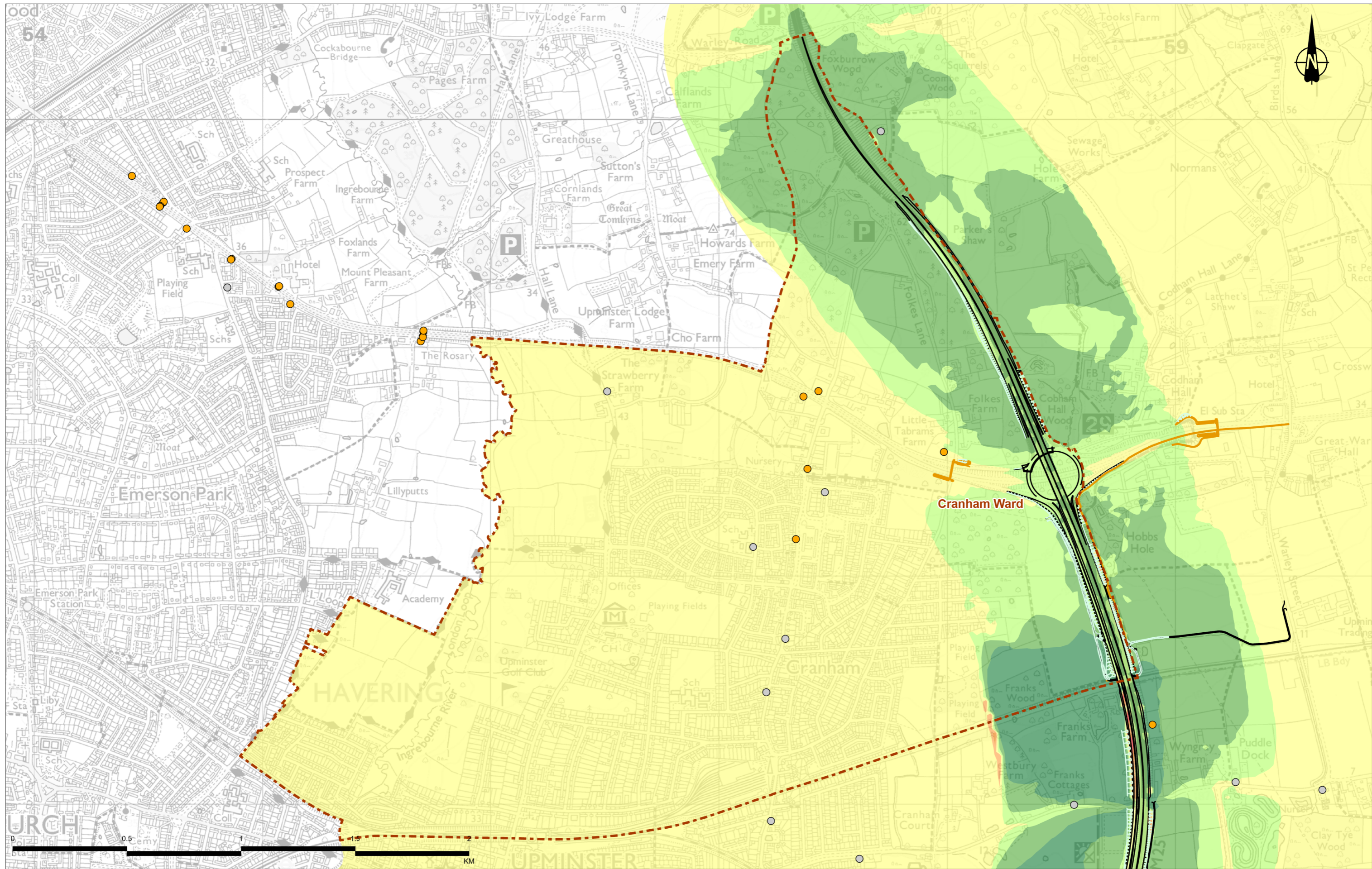
Legend	
	Route alignment
	NMU route
	Earthworks
	Order Limits
	Electoral ward boundary
	Main works construction compound
	Utility Logistics Hub
	Construction noise receptor
	Existing Public Right of Way
	Ancient Woodland
	Local Nature Reserve
	Site of Special Scientific Interest
	Local Wildlife Site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



Client
national highways

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 6.17a - Construction impacts summary plan of Cranham Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80019				



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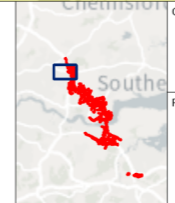
P01	S8	24/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

- 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
- Major noise increase, 5dB(A) or more
 - A minor worsening in air quality
 - Negligible

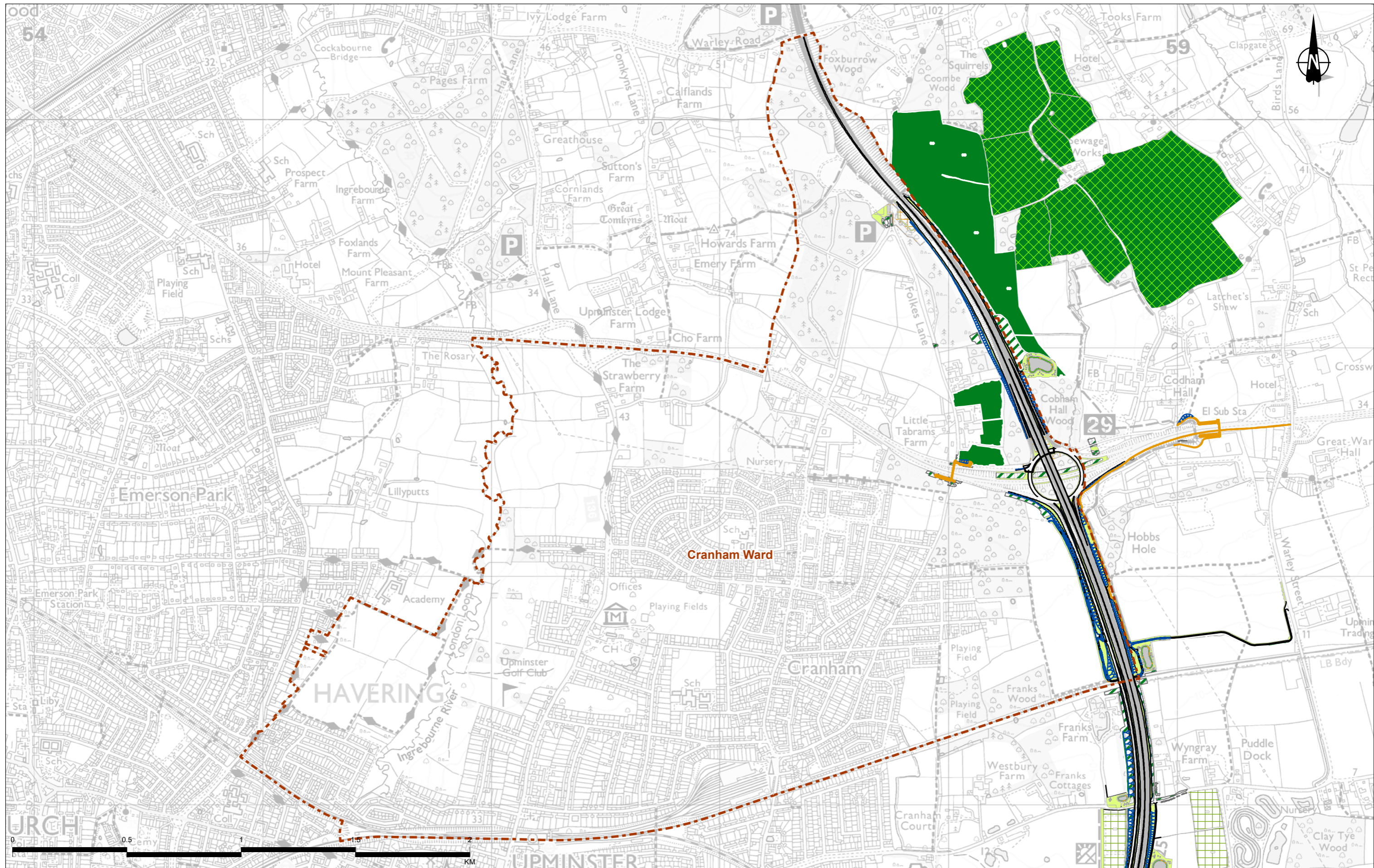


Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO APPLICATION	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/7.16	Scale	1:15,000		
Drawing Title	Figure 6.17b - Operational impacts summary plan of Cranham Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE00000000-DR-LE-80019				

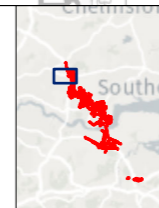
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P01	S8	18/10/2022	DCO Application	SW	SW	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

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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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 6.17c - Mitigation proposals in Cranham Ward				
Drawing Number	HE540039-CJV-EGN-SZP_EGNE0000000-DR-LE-80019				

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

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