

Lower Thames Crossing

6.2 Environmental Statement Figures

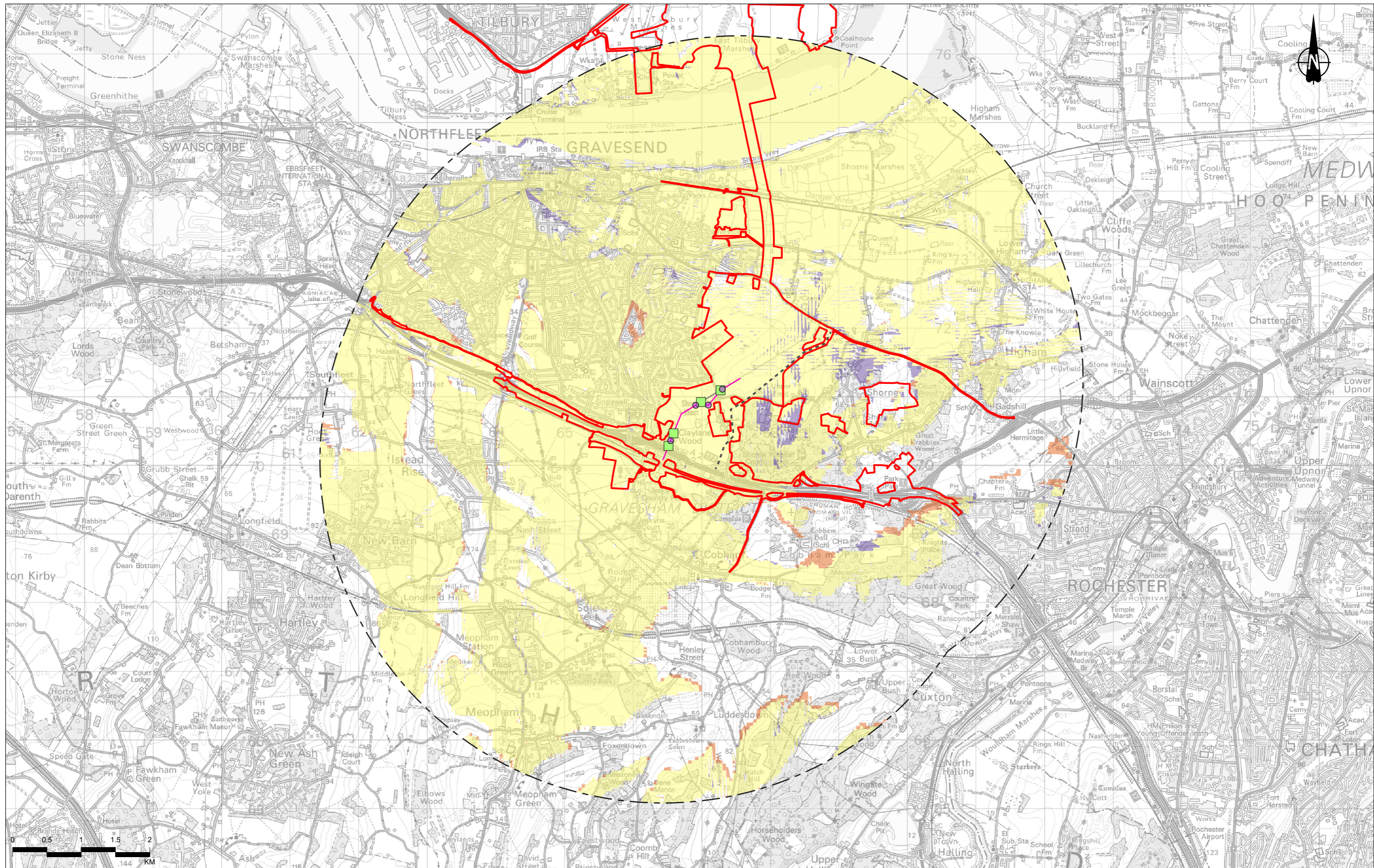
Figure 7.9 - ZTV (5km) - Lower Thames Crossing Electricity Overhead Line (OHL) Diversions Analysis

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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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprv
P03	S8	09/08/2022	DCO Application	RG	SK	BF

- Legend**
- Order Limits
 - Existing Overhead Pylon to be Removed
 - Proposed Pylon to be Constructed
 - 5km offset from Overhead Line (OHL) diversion
 - Existing Wood Pole OHL to be Removed
 - Modified OHL Alignment
 - OHL to be Removed

- Zone of Theoretical Visibility (ZTV): Overhead Line (OHL) Diversions - Area 1**
- Area experiencing additional visibility as a result of diverted OHL
 - Area experiencing no change in visibility as a result of diverted OHL (visibility of existing and proposed)
 - Area experiencing reduced visibility as a result of diverted and removed OHL (visibility of existing only)

Notes:

- The Zone of Theoretical Visibility (ZTV) was created using Esri ArcGIS (Visibility Tool). It is based on the combined 5m Digital Terrain Model (DTM). This has been compiled from data received from National Highways.
- The ZTV illustrates the area of theoretical visibility of the proposed elements of the Project and a view height of 2m and is limited to a 5km study area.
- This figure shows theoretical visibility and therefore the worst case extent to which the Project could be visible from the surrounding landscape. The actual extent of visibility is likely to be substantially less than shown on this figure, in particular within urban areas where with the exception of settlement edges, outward views are typically screened by existing buildings or other features.

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status: **DCO APPLICATION**

Application Document Number: **TR010032/APP/6.2**

Original Size: **A3**

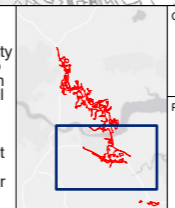
Revision: **P03**

Scale: **1:50,000**

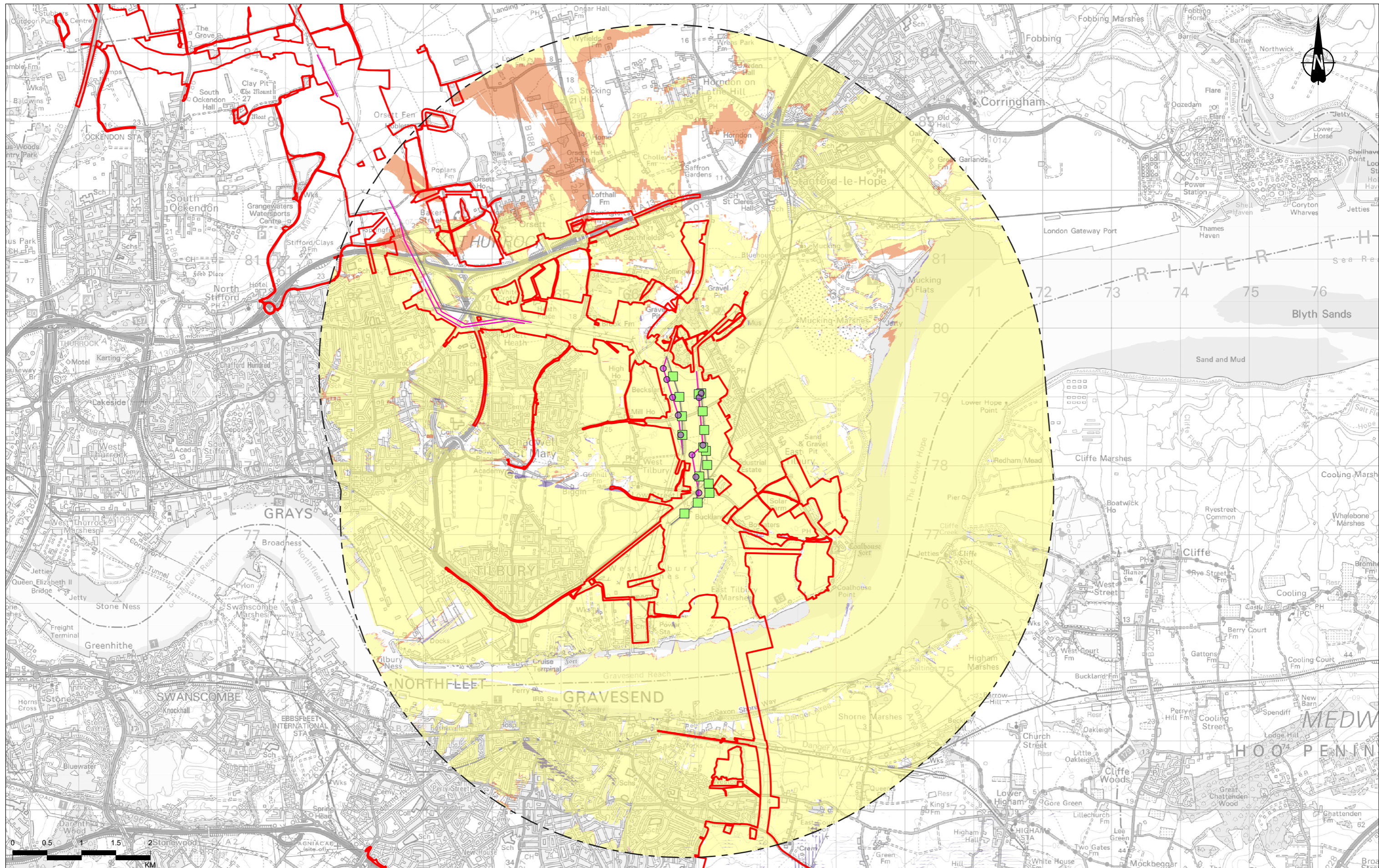
Drawing Title: **Figure 7.9 - ZTV (5km) - Lower Thames Crossing Electricity Overhead Line (OHL) Diversions Analysis - Area 1**

Page 1 of 5

Drawing Number: **HE540039-CJV-ELS-SZP_EGNE00000000-DR-LE-50028**



Scale: 1:50,000



Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P03	S8	09/08/2022	DCO Application	RG	SK	BF

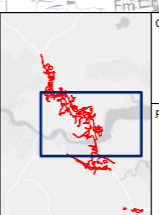
Legend	
	Order Limits
	Existing Overhead Pylon to be Removed
	Proposed Pylon to be Constructed
	5km offset from Overhead Line (OHL) diversion
	Modified OHL Alignment
	OHL to be Removed

Zone of Theoretical Visibility (ZTV): Overhead Line (OHL) Diversions - Area 2

- Area experiencing additional visibility as a result of diverted OHL
- Area experiencing no change in visibility as a result of diverted OHL (visibility of existing and proposed)
- Area experiencing reduced visibility as a result of diverted OHL (visibility of existing only)

Notes:

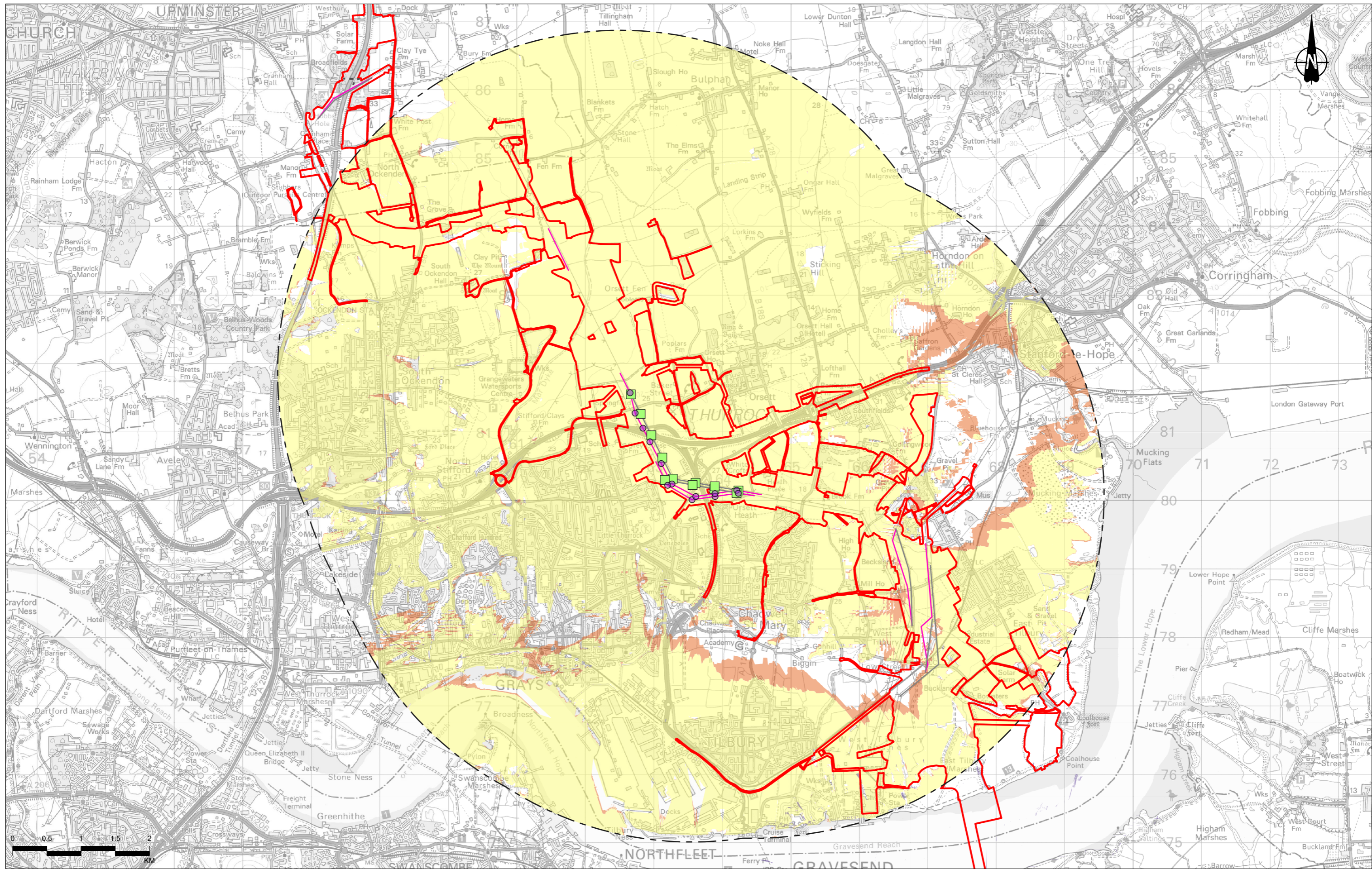
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Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	Revision
Application Document Number	TR010032/APP/6.2	A3	P03
Scale	1:50,000		
Drawing Title	Figure 7.9 - ZTV (5km) - Lower Thames Crossing Electricity Overhead Line (OHL) Diversions Analysis - Area 2		
Page	Page 2 of 5		
Drawing Number	HE540039-CJV-ELS-SZP_EGNE00000000-DR-LE-50028		



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P03	S8	09/08/2022	DCO Application	RG	SK	BF

Legend

- Order Limits
- Existing Overhead Pylon to be Removed
- Proposed Pylon to be Constructed
- 5km offset from Overhead Line (OHL) diversion
- Existing Wood Pole OHL to be Removed
- Modified OHL Alignment
- OHL to be Removed

Zone of Theoretical Visibility (ZTV): Overhead Line (OHL) Diversions - Area 3

- Area experiencing additional visibility as a result of diverted OHL
- Area experiencing no change in visibility as a result of diverted OHL (visibility of existing and proposed)
- Area experiencing reduced visibility as a result of diverted OHL (visibility of existing only)

Notes:

- The Zone of Theoretical Visibility (ZTV) was created using Esri ArcGIS (Visibility Tool). It is based on the combined 5m Digital Terrain Model (DTM). This has been compiled from data received from National Highways.
- The ZTV illustrates the area of theoretical visibility of the proposed elements of the Project and a view height of 2m and is limited to a 5km study area.
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Original Size: **A3**

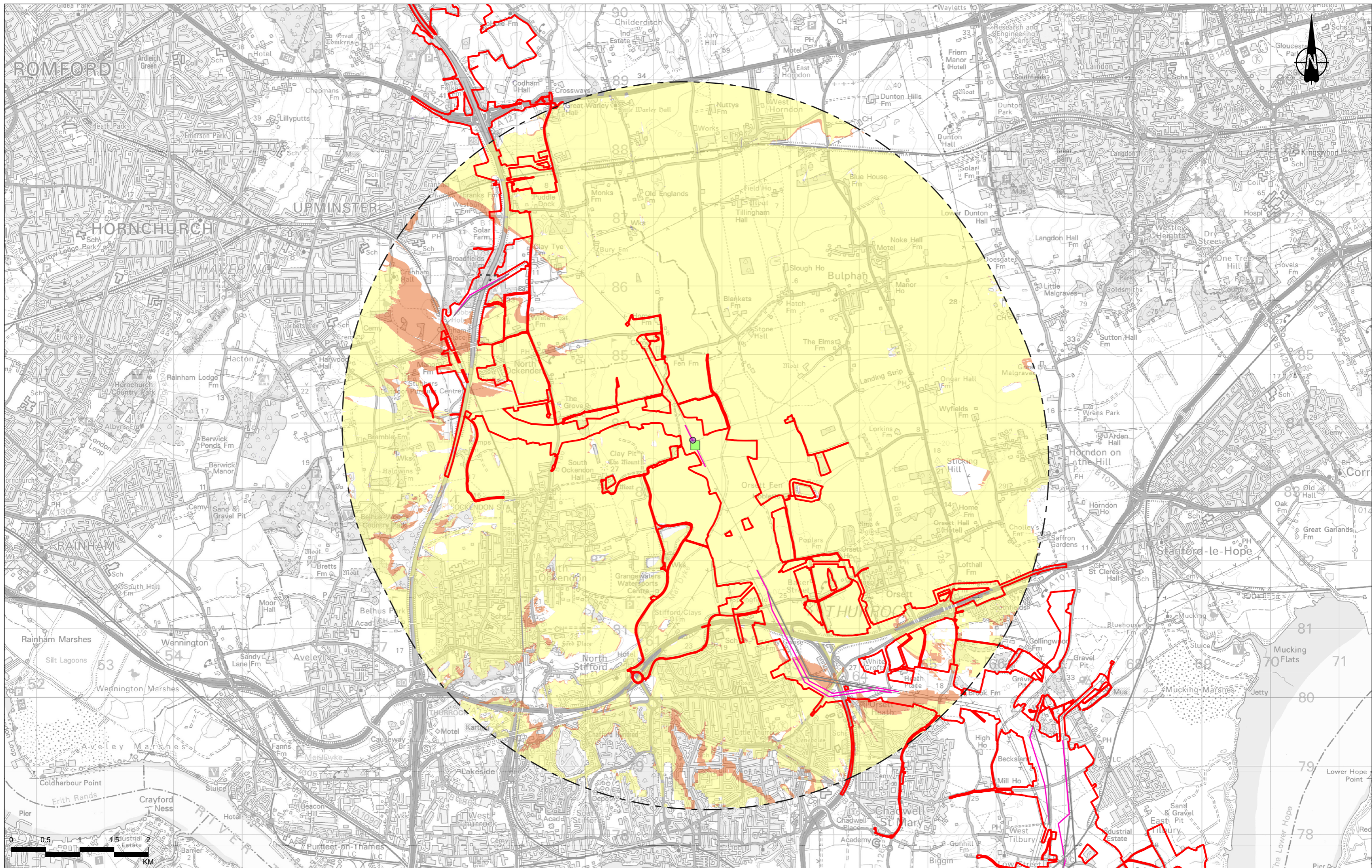
Revision: **P03**

Scale: **1:50,000**

Drawing Title: **Figure 7.9 - ZTV (5km) - Lower Thames Crossing Electricity Overhead Line (OHL) Diversions Analysis - Area 3**

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Drawing Number: **HE540039-CJV-ELS-SZP_EGNE00000000-DR-LE-50028**



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KM				

	Order Limits
	Existing Overhead Pylon to be Removed
	Proposed Pylon to be Constructed
	5km offset from Overhead Line (OHL) diversion
	Existing Wood Pole OHL to be Removed
	Modified OHL Alignment
	OHL to be Removed

	Area experiencing additional visibility as a result of diverted OHL
	Area experiencing no change in visibility as a result of diverted OHL (visibility of existing and proposed)
	Area experiencing reduced visibility as a result of diverted OHL (visibility of existing only)

PO3	S8	09/08/2022	DCO Application	RG	SK	BF
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Notes:

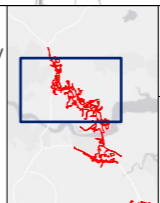
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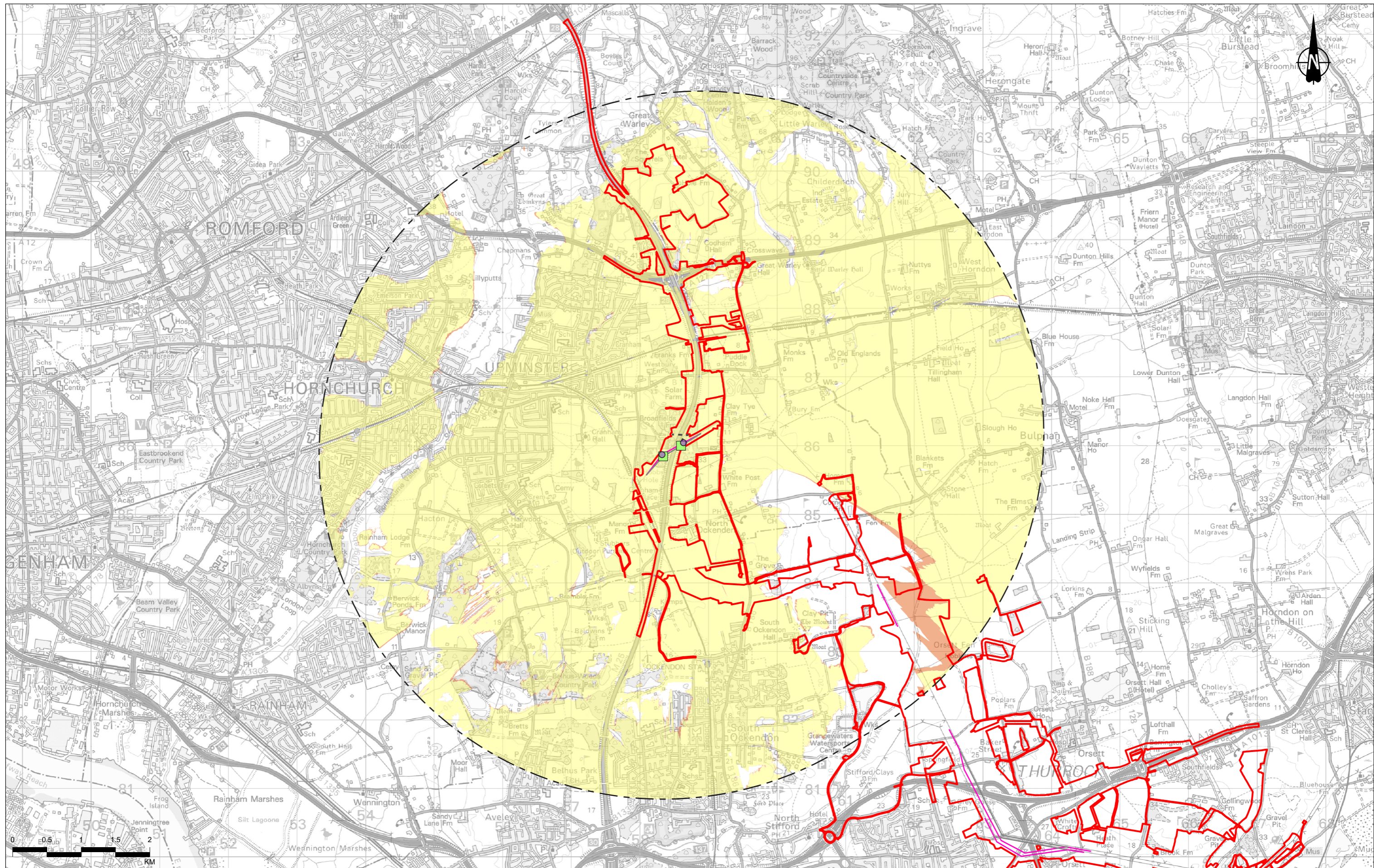
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Application Document Number	TR010032/APP/6.2	Scale	1:50,000		
Drawing Title	Figure 7.9 - ZTV (5km) - Lower Thames Crossing Electricity Overhead Line (OHL) Diversions Analysis - Area 4				
Drawing Number	HE540039-CJV-ELS-SZP_EGNE00000000-DR-LE-50028				



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P03 S8 09/08/2022 DCO Application RG SK BF
Rev Status Rev. Date Purpose of revision Drawn Checkd Apprv

Legend	
	Order Limits
	Existing Overhead Pylon to be Removed
	Proposed Pylon to be Constructed
	5km offset from Overhead Line (OHL) diversion
	Existing Wood Pole OHL to be Removed
	Modified OHL Alignment
	OHL to be Removed

Zone of Theoretical Visibility (ZTV): Overhead Line (OHL) Diversions - Area 5	
	Area experiencing additional visibility as a result of diverted OHL
	Area experiencing no change in visibility as a result of diverted OHL (visibility of existing and proposed)
	Area experiencing reduced visibility as a result of diverted OHL (visibility of existing only)

Notes:	
1. The Zone of Theoretical Visibility (ZTV) was created using Esri ArcGIS (Visibility Tool). It is based on the combined 5m Digital Terrain Model (DTM). This has been compiled from data received from National Highways.	2. The ZTV illustrates the area of theoretical visibility of the proposed elements of the Project and a view height of 2m and is limited to a 5km study area.
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Application Document Number	TR010032/APP/6.2	Scale	1:50,000		
Drawing Title	Figure 7.9 - ZTV (5km) - Lower Thames Crossing Electricity Overhead Line (OHL) Diversions Analysis - Area 5				
Page	Page 5 of 5				
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