

Lower Thames Crossing

6.2 Environmental Statement Figures

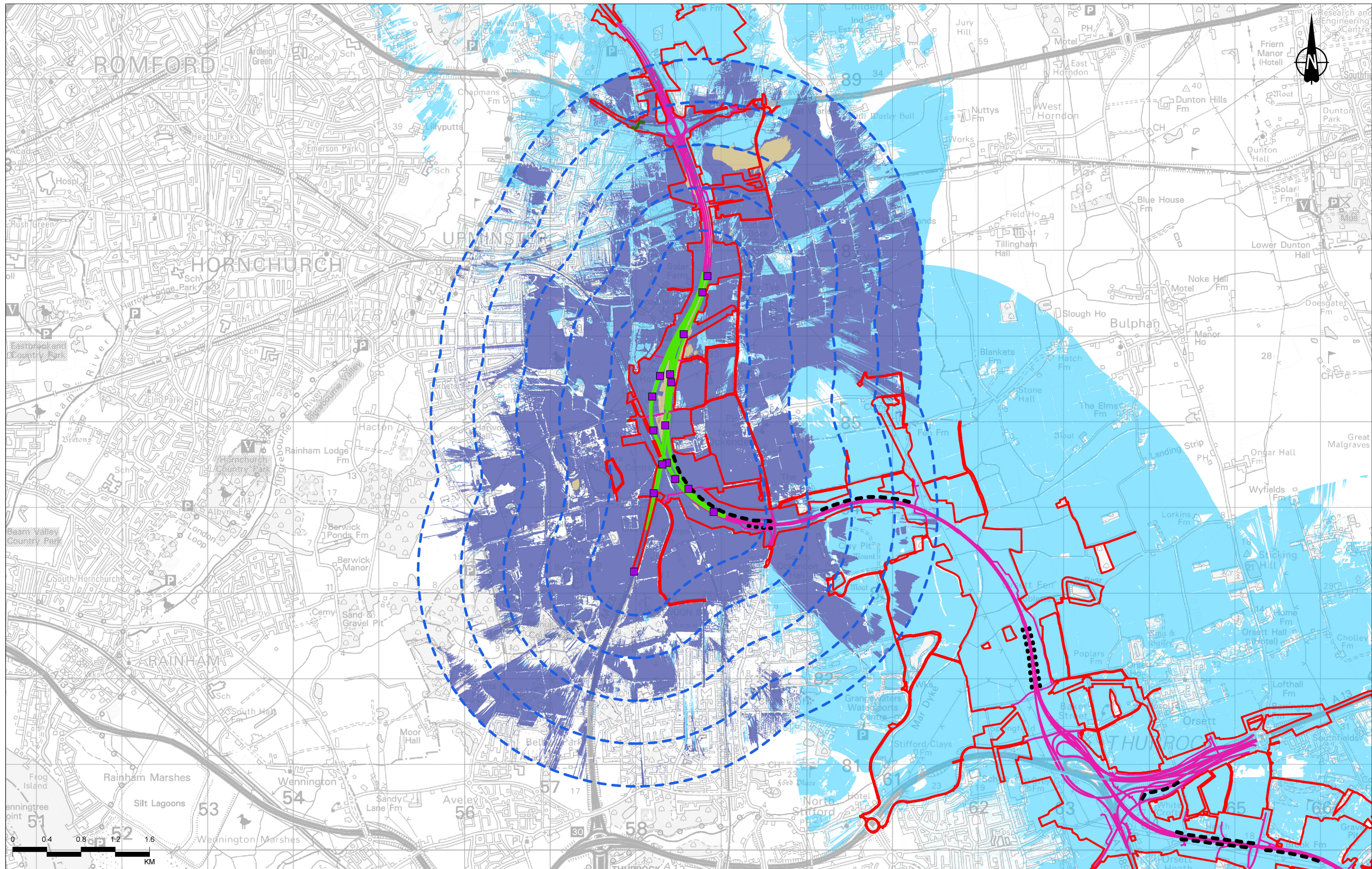
Figure 7.15 - ZTV (2.5km) - Lower Thames Crossing route Highway Section with Earthwork Mitigation (11 of 12)

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

Legend

- Order Limits
- Gantry locations considered within ZTV
- 2.5km study area (500m interval offsets from Section 13)
- Section 13 of route alignment considered within ZTV
- Route alignment (Project) route not considered within ZTV

Zone of Theoretical Visibility (ZTV): (1m DSM Mitigation)

Section 13 - Vehicles on route alignment

- Area from which 1% to 33% of Section 13 of vehicles travelling along route alignment would be theoretically visible (including gantries)
- Area from which 34% to 66% of Section 13 of vehicles travelling along route alignment would be theoretically visible (including gantries)
- Area from which 67% to 100% of Section 13 of vehicles travelling along route alignment would be theoretically visible (including gantries)

Extent of visibility from other highway sections of the Lower Thames Crossing route (excluding Vehicles) shown on Figure 7.14

- Up to 2m high false cutting
- Up to 4m high false cutting

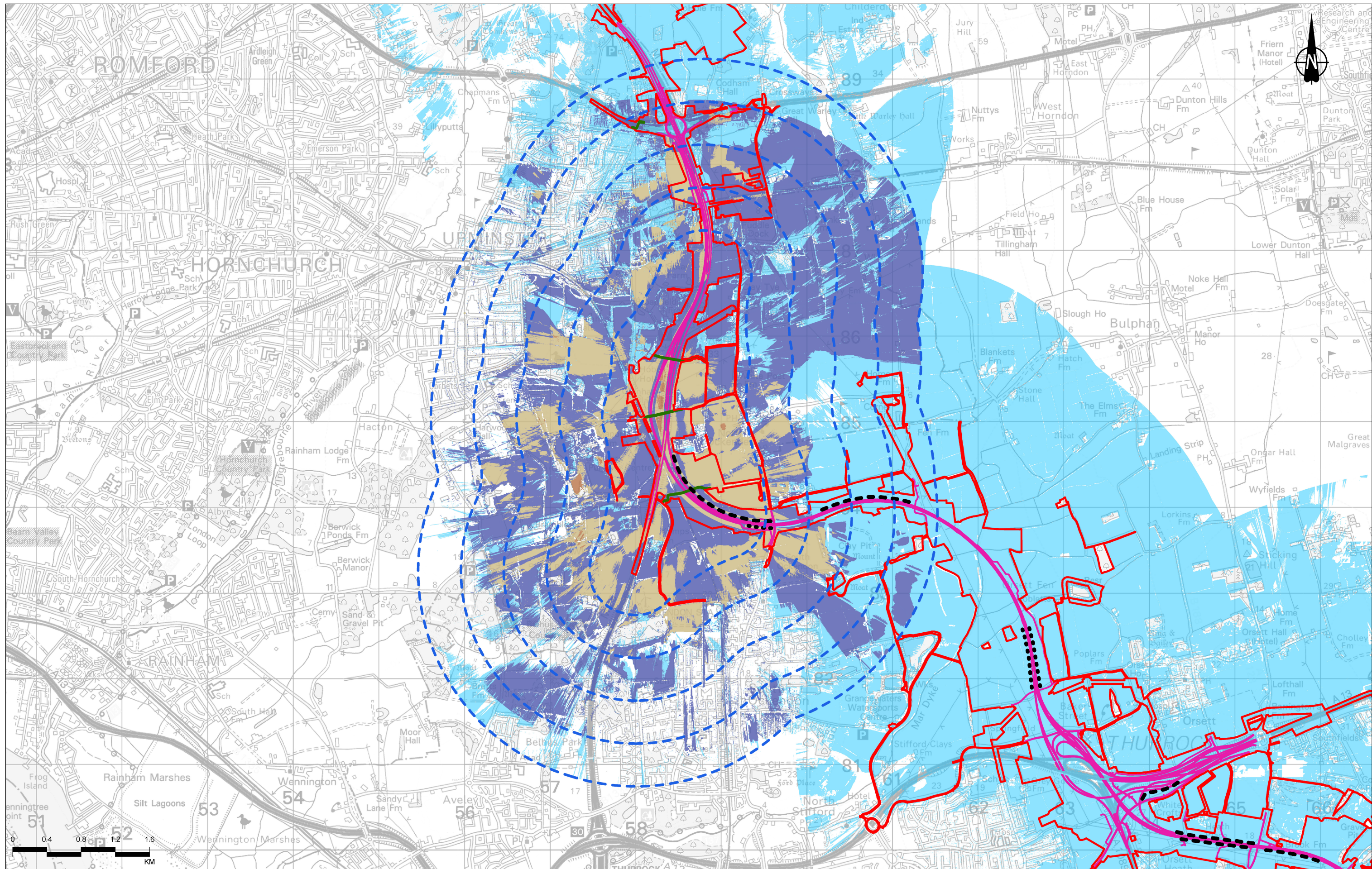
Notes:

- The Zone of Theoretical Visibility (ZTV) was created using Eari and DSI's Visibility Tool. This is based on the combined 1m Digital Surface Model (DSM). This has been compiled from data received from National Highways.
- The ZTV illustrates the area of theoretical visibility of the proposed alignments of the Project and a view height of 2m and is limited to a 5km study area.
- The ZTV for vehicles travelling along route alignment and ZTV for overbridges/side roads/access roads have been run using an assumed maximum vehicle height of 4.5m.
- 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 sheltered edges, outward views are typically screened by existing buildings or other features.

Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO APPLICATION	Original Size	A3	Revision	P03
Application Document Number	TR010032/APP/6.2	Scale	1:40,000		
Drawing Title	Figure 7.15 - ZTV (2.5km) - Lower Thames Crossing route Highway Section with Earthwork Mitigation				
Drawing Number	HE540039-CJV-ELS-SZP_EGNE00000000-DR-LE-50034				
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P03	S8	09/08/2022	DCO Application	RG	SK	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv

Legend
 Order Limits
 2.5km study area (500m interval offsets from Section 13)
 Section 13 of overbridges, side roads and access roads considered within ZTV
 Route alignment (Project) route not considered within ZTV

Zone of Theoretical Visibility (ZTV): (1m DSM Mitigation)
Section 13 - Vehicles on overbridge structures, side roads and access roads
 Area from which 1% to 33% of Section 13 of vehicles travelling on overbridge structures, side roads and access roads would be theoretically visible
 Area from which 34% to 66% of Section 13 of vehicles travelling on overbridge structures, side roads and access roads would be theoretically visible
 Area from which 67% to 100% of Section 13 of vehicles travelling on overbridge structures, side roads and access roads would be theoretically visible

 Extent of visibility from other highway sections of the Lower Thames Crossing route (excluding Vehicles) shown on Figure 7.14
●●● Up to 2m high false cutting
●●●● Up to 4m high false cutting

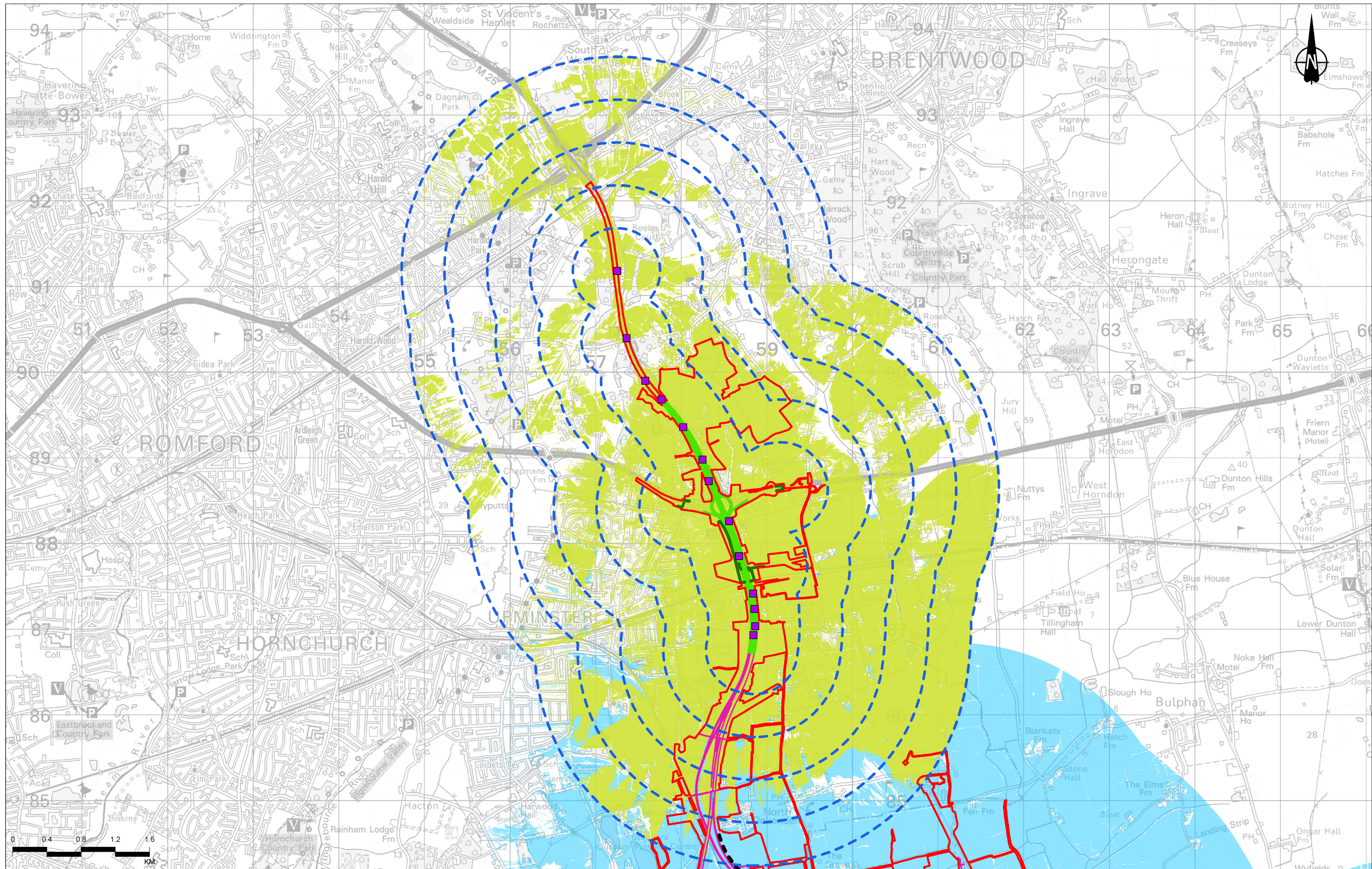
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Rev	Status	Rev. Date	Purpose of revision	Drawn	Chkd	Apprv
P03	S8	09/08/2022	DCO Application	RG	SK	BF

- Legend**
- Order Limits
 - Gantry locations considered within ZTV
 - 2.5km study area (500m interval offsets from Section 14)
 - Section 14 of route alignment considered within ZTV
 - Section 14 of overbridges, side roads and access roads considered within ZTV
 - Route alignment (Project) route not considered within ZTV

- Zone of Theoretical Visibility (ZTV): (1m DSM Mitigation)**
- Area identifying combined visibility of route alignment (includes gantries), vehicles, overbridge structures, side roads and access roads within Section 14

- Extent of visibility from other highway sections of the Lower Thames Crossing route (excluding Vehicles) shown on Figure 7.14**
- Up to 4m high false cutting

Notes:

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