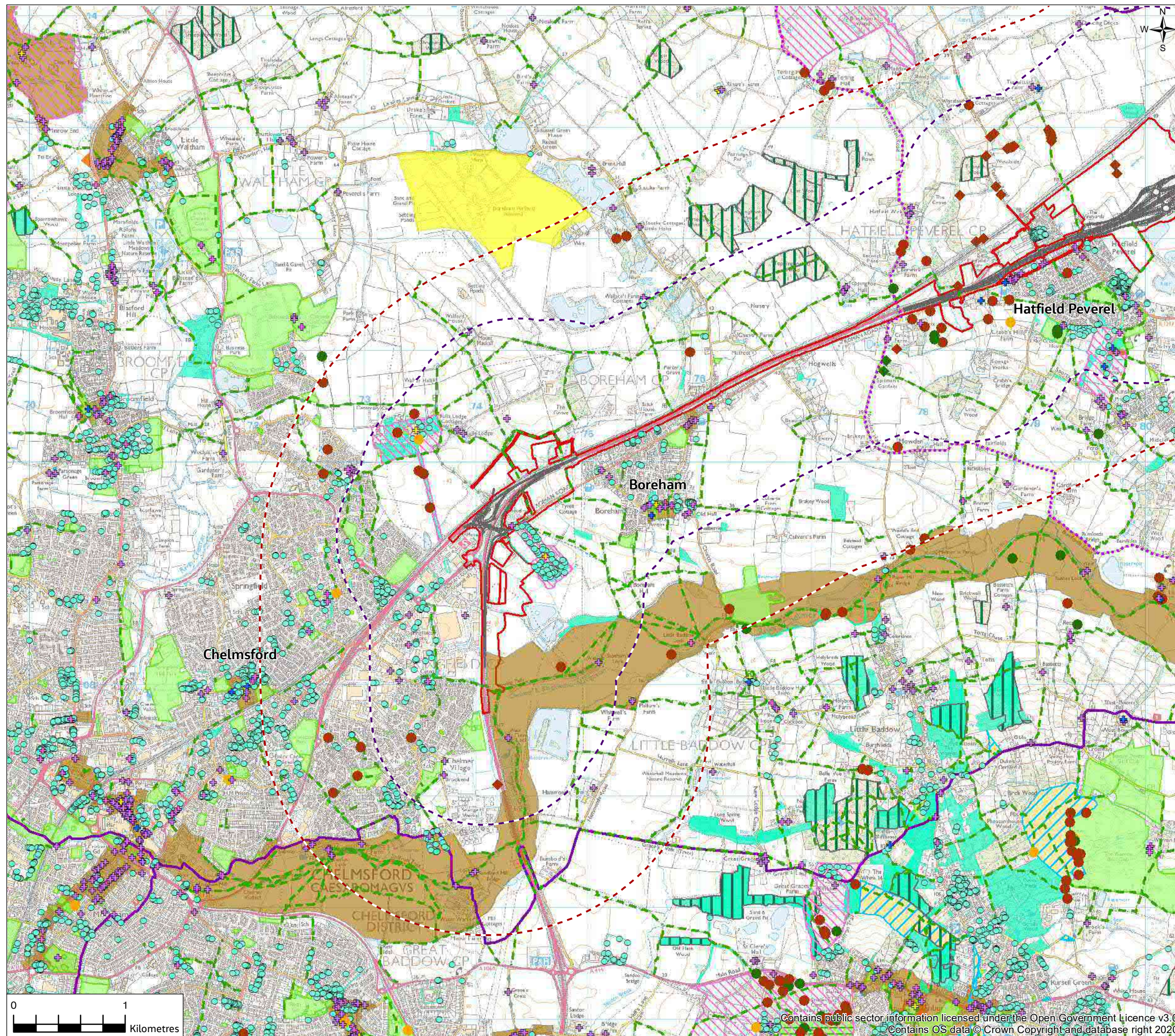


A12 Chelmsford to A120 widening scheme

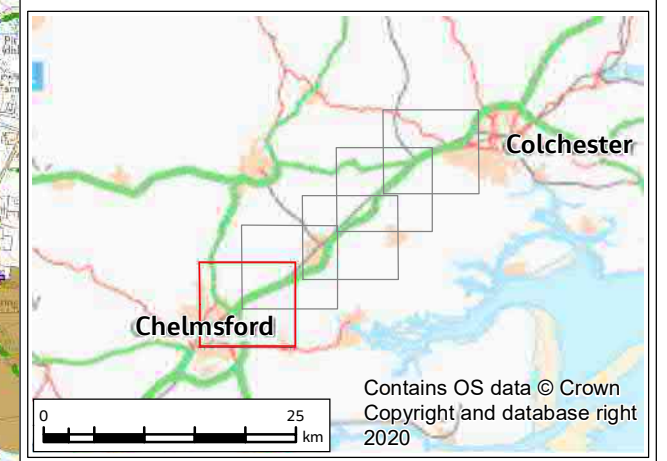
**PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT**

**CHAPTER 8 – LANDSCAPE AND VISUAL
FIGURES**

FIGURE 8.1



- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
 - + Grade I listed building
 - + Grade II listed building
 - + Grade II* listed building
 - Registered parks and gardens
 - Scheduled monument
 - Conservation area
 - Tree preservation order (individual)
 - Tree preservation orders (group)
 - Ancient woodland
 - Registered common land
 - Country park
 - Proposed country park
 - Open green spaces (OS)
 - Open access land (CROW Act 2000)
- Woodland Trust Ancient Tree Inventory**
- Ancient tree
 - Notable tree
 - Veteran tree
- Scheme specific arboricultural survey**
- ◆ Potential ancient tree
 - ◆ Potential veteran tree



PO3	11/05/21	For consultation	ML	HB	HM	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
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Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR KEY LANDSCAPE CONSTRAINTS SHEET 1 OF 5						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
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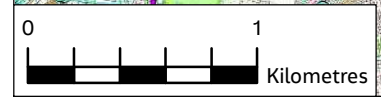
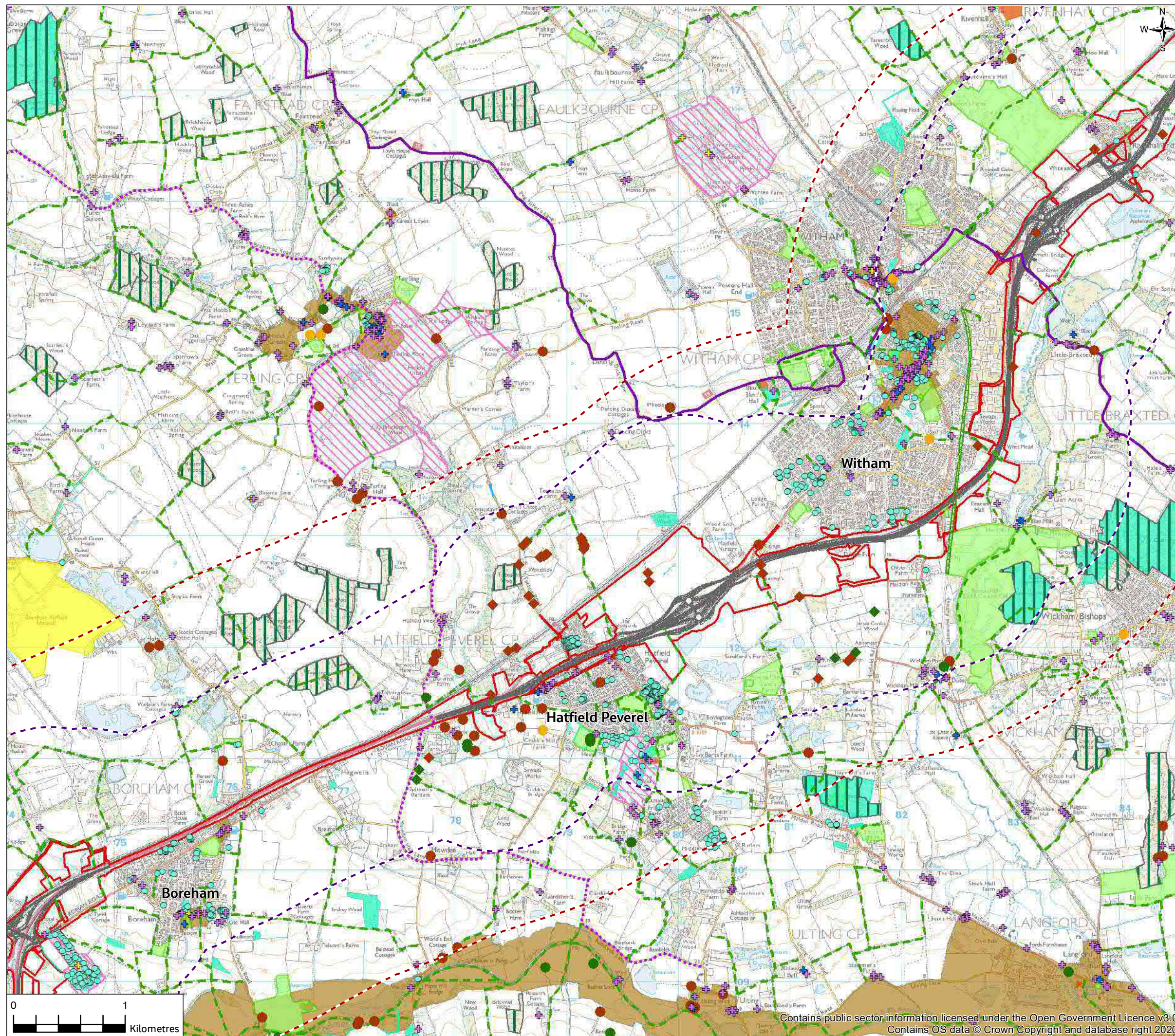
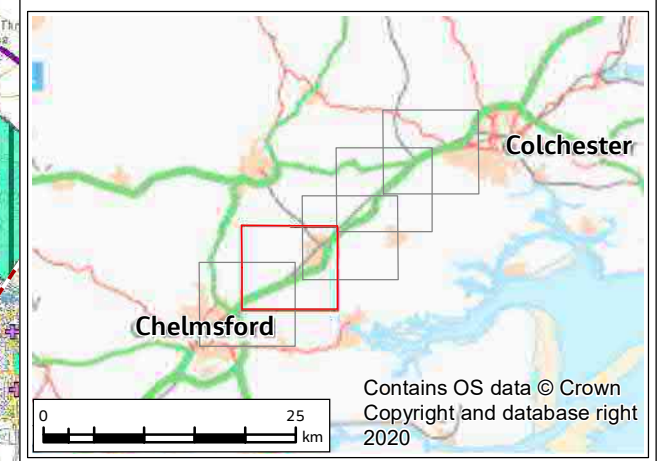


FIGURE 8.1



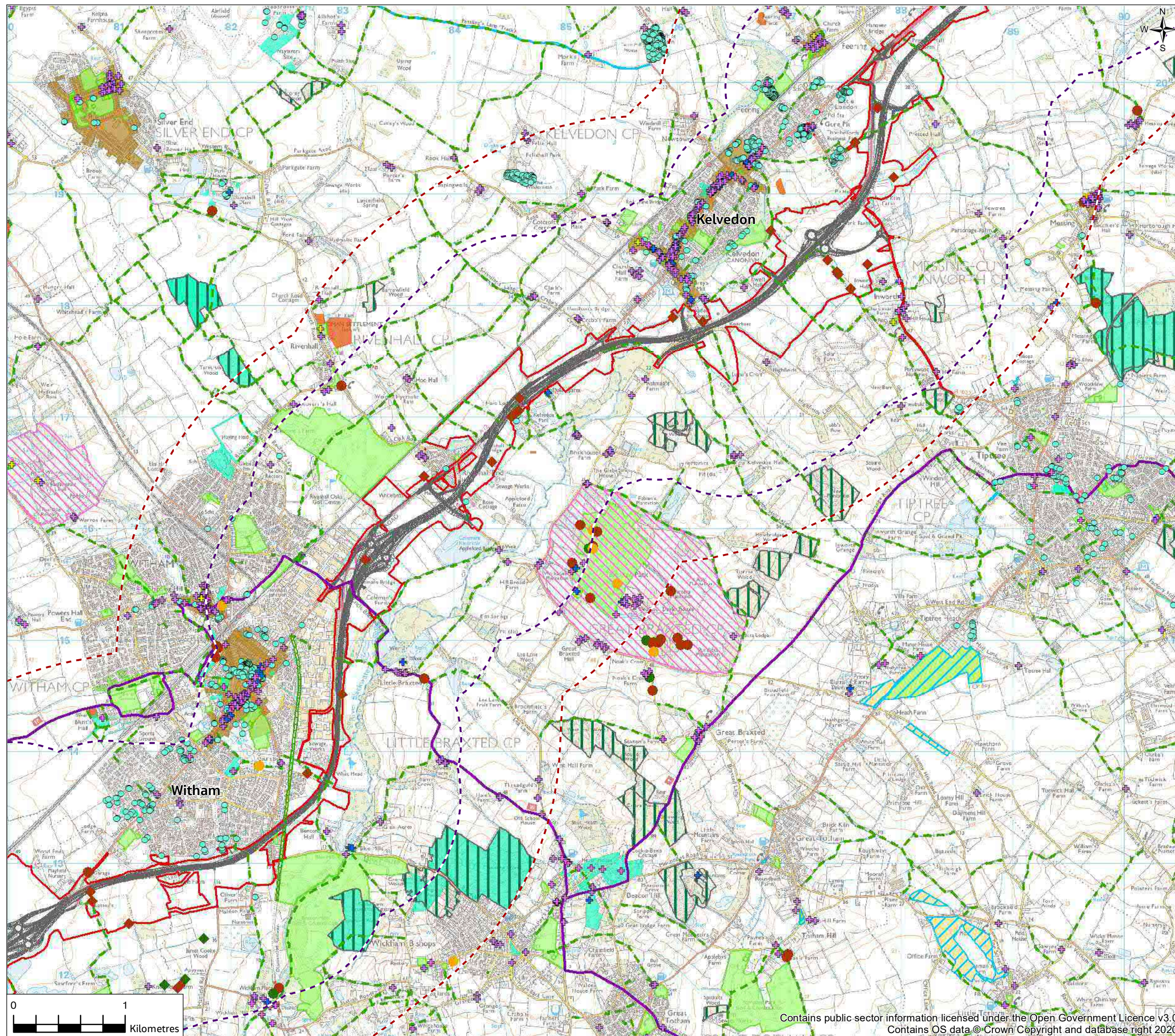
- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
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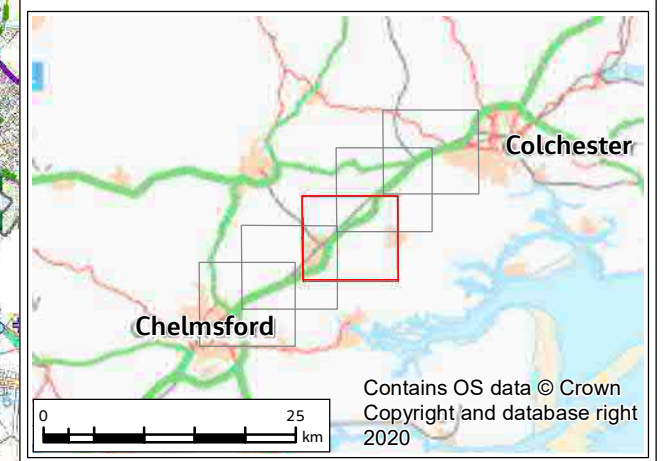
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FIGURE 8.1



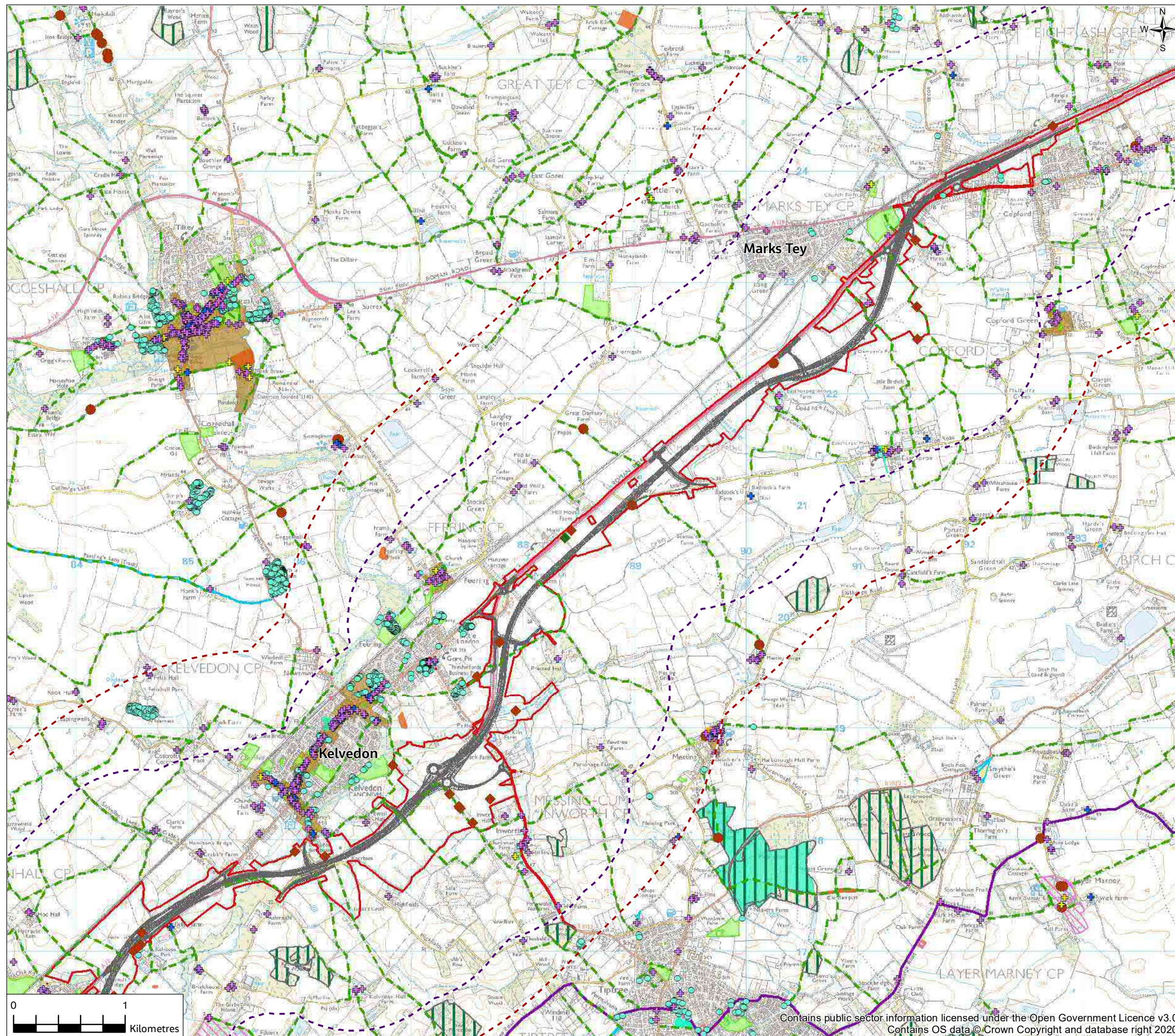
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- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
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- Ancient tree
 - Notable tree
 - Veteran tree
- Scheme specific arboricultural survey**
- ◆ Potential ancient tree
 - ◆ Potential veteran tree



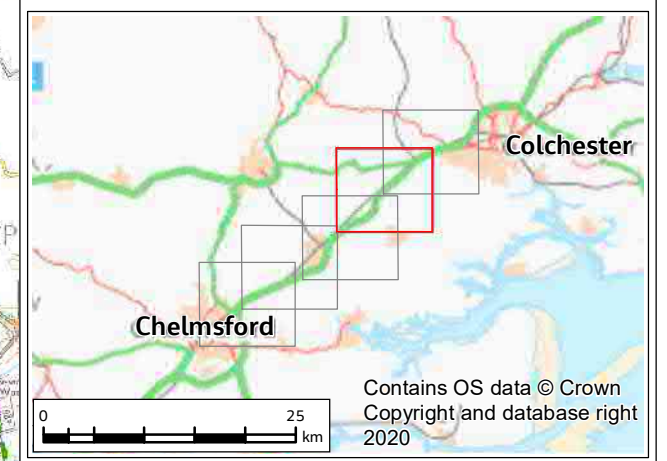
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Drawing Title						
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HE551497-JAC-ELS-SCHW-SK-GI-0003						



FIGURE 8.1



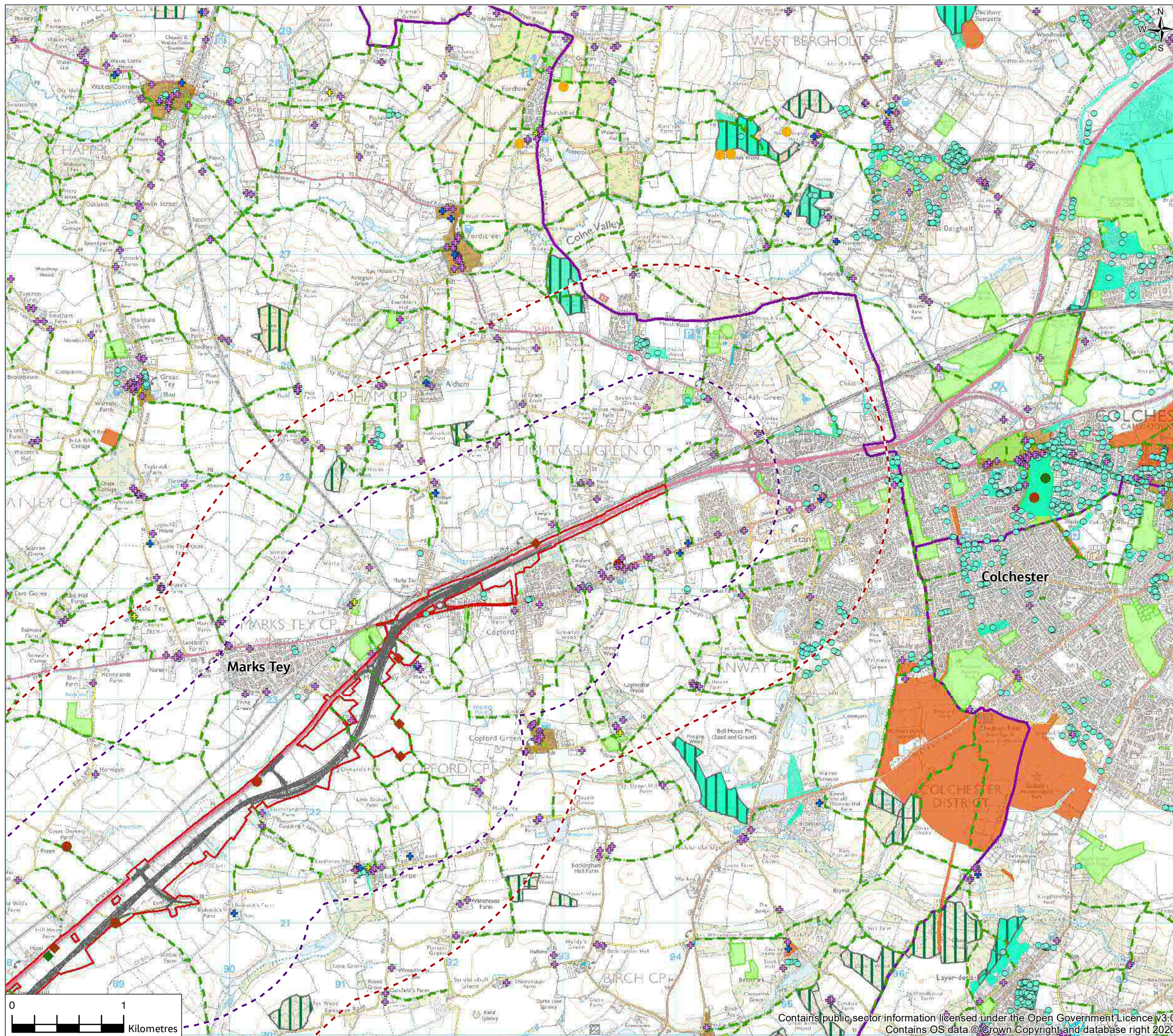
- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
 - + Grade I listed building
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- Woodland Trust Ancient Tree Inventory**
- Ancient tree
 - Notable tree
 - Veteran tree
- Scheme specific arboricultural survey**
- ◆ Potential ancient tree
 - ◆ Potential veteran tree



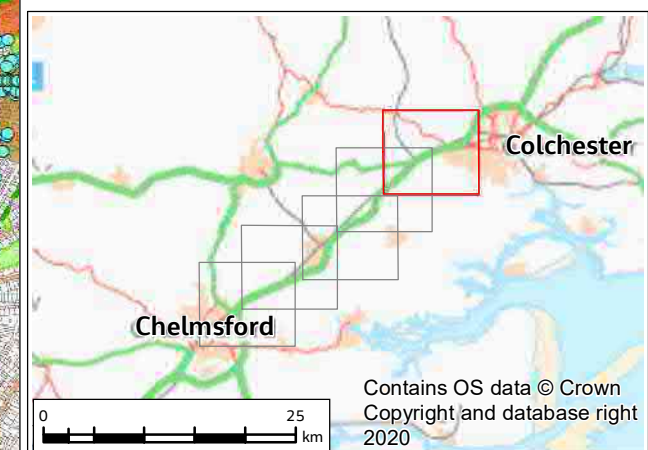
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Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR KEY LANDSCAPE CONSTRAINTS SHEET 4 OF 5						
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Jacobs No.	B36601D1					Rev
Client No.	HE551497					P03
Drawing Number						
HE551497-JAC-ELS-SCHW-SK-GI-0004						



FIGURE 8.1



- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
 - + Grade I listed building
 - + Grade II listed building
 - + Grade II* listed building
 - Registered parks and gardens
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 - Conservation area
 - Tree preservation order (individual)
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 - Country park
 - Proposed country park
 - Open green spaces (OS)
 - Open access land (CROW Act 2000)
- Woodland Trust Ancient Tree Inventory**
- Ancient tree
 - Notable tree
 - Veteran tree
- Scheme specific arboricultural survey**
- ◆ Potential ancient tree
 - ◆ Potential veteran tree



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PEIR KEY LANDSCAPE CONSTRAINTS SHEET 5 OF 5						
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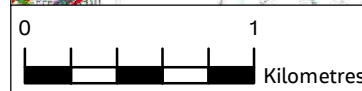
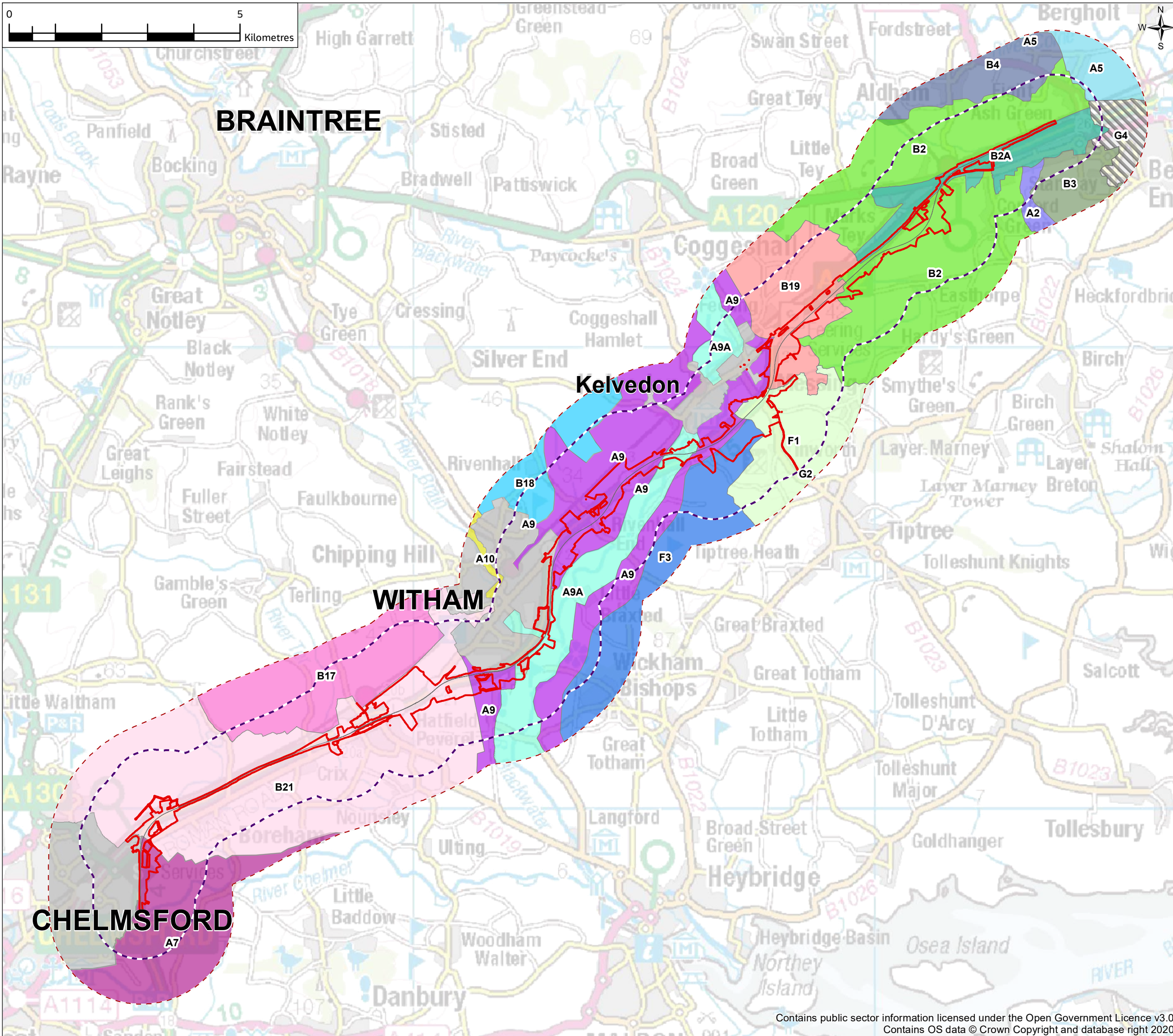
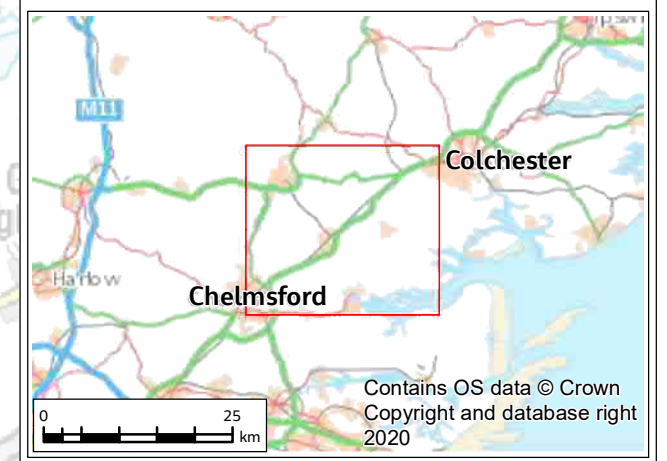




FIGURE 8.2



- Legend**
- Provisional Order Limits
 - Proposed Scheme Centreline
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
- Local landscape character area**
- A10 - Brain River Valley
 - A2 - Wooded Roman River Valley
 - A5 - Colne River Valley Slopes
 - A7 - Lower Chelmer River Valley
 - A9 - Blackwater River Valley
 - A9A - Landscape Sub Area
 - B17 - Terling Farmland Plateau
 - B18 - Silver End Farmland Plateau
 - B19 - Langley Green Farmland Plateau
 - B2 - Easthorpe Farmland Plateau
 - B21 - Boreham Farmland Plateau
 - B2A - Landscape Sub Area
 - B3 - Southern Colchester Farmland Plateau
 - B4 - Great Tey Farmland Plateau
 - F1 - Messing Wooded Farmland
 - F3 - Totham Wooded Farmland
 - G2 - Tiptree Urban Landscape
 - G4 - Colchester Urban Landscape
 - Urban areas



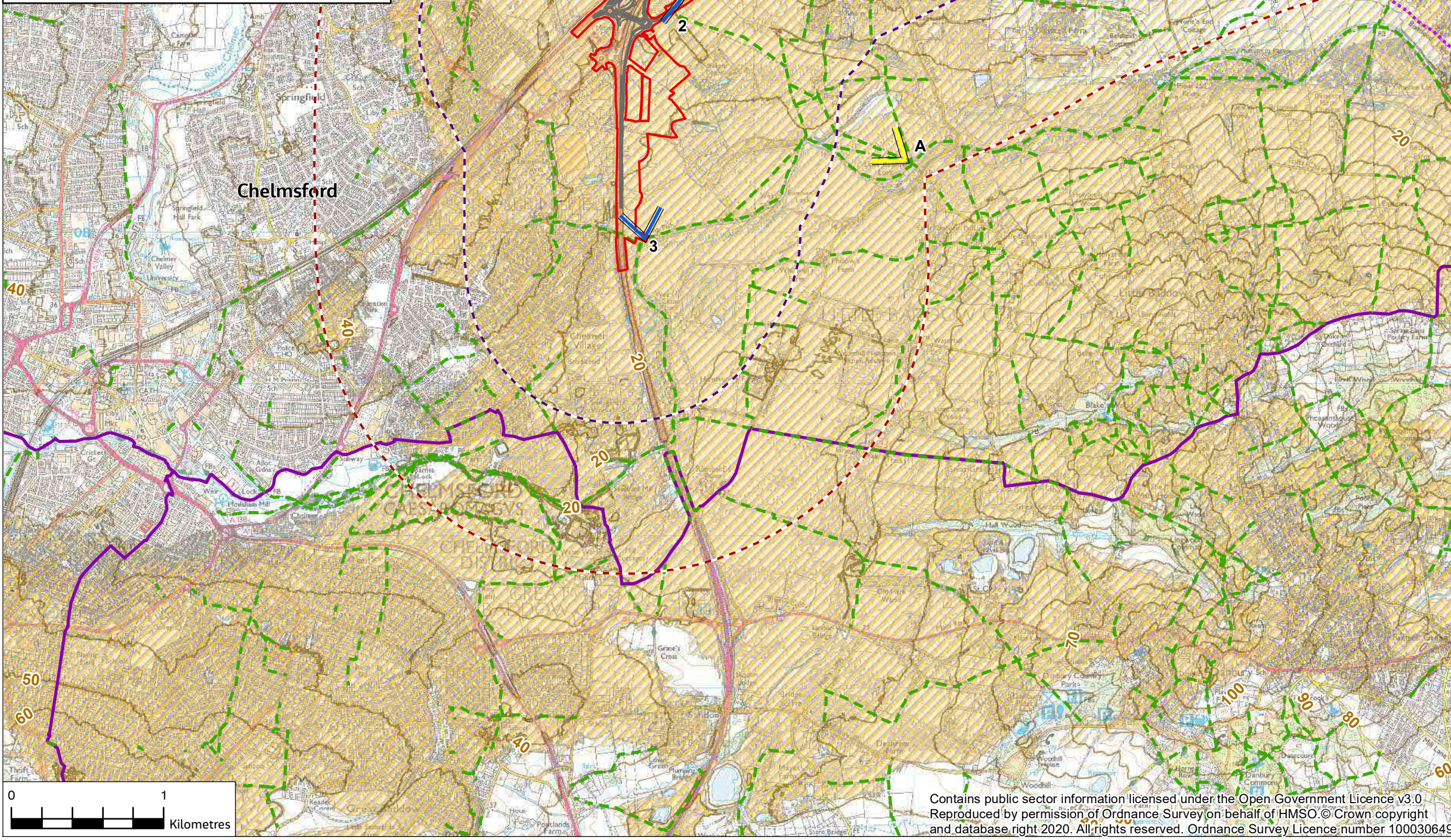
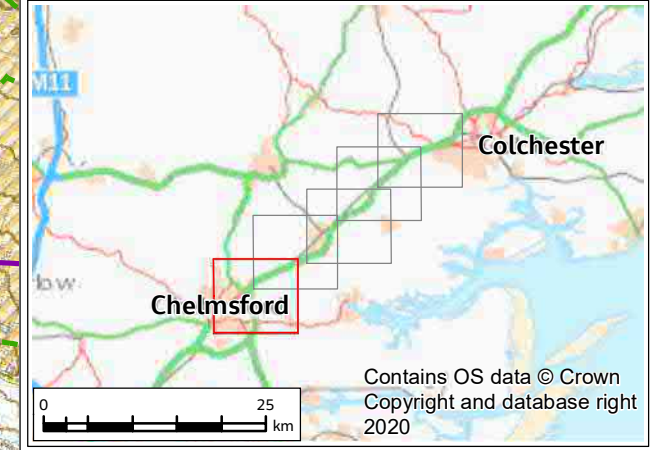
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Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
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Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
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Jacobs No.		B36601D1			Rev P03	
Client No.		HE551497				
Drawing Number						
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5. The ZTV has been modelled with a viewer height of 1.7m.
6. The ZTV results have been calculated within the extent of this figure. The limit of the ZTV shown on this figure is a working draft and provides an indication only of the theoretical maximum extent to which the proposals may be visible from within this area.
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8. Potential refinements of the Proposed Scheme may result in changes to the vertical or horizontal alignment, and the location of lighting, signage and gantries. Therefore the ZTV is likely to change.

FIGURE 8.3

- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
 - Contours at 10m intervals
 - Theoretical visibility of HGV, lighting column and gantry target points only
 - Theoretical visibility of lighting column and gantry target points only

- Viewpoints for assessment within the Environmental Statement:**
- Representative viewpoints (1 - 32) - approximate position, extent and direction of view
 - Longer distance illustrative viewpoints (A - E) - approximate position, extent and direction of view



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A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR ZONE OF THEORETICAL VISIBILITY AND VIEWPOINTS SHEET 1 OF 5						
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Drawing Number						
HE551497-JAC-ELS-SCHW-SK-GI-0007						

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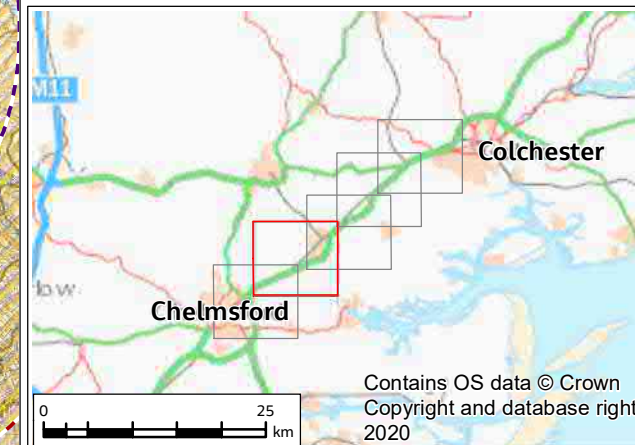
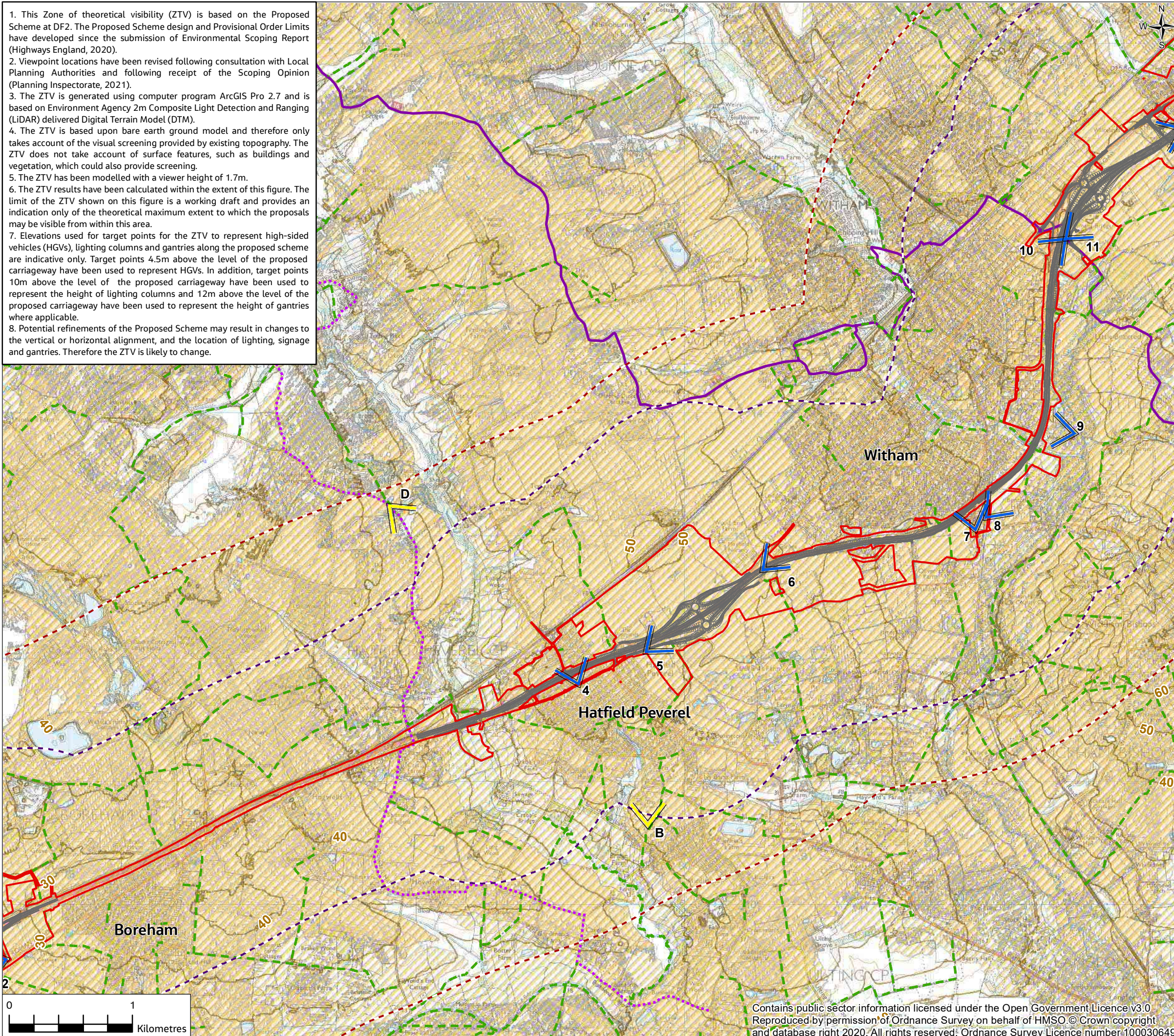
FIGURE 8.3

Legend

- Provisional Order Limits
- Proposed Scheme
- 1km buffer from Provisional Order Limits
- 2km study area around Proposed Scheme Centreline
- Public right of way
- National cycle route
- Regional cycle route
- Contours at 10m intervals
- Theoretical visibility of HGV, lighting column and gantry target points only
- Theoretical visibility of lighting column and gantry target points only

Viewpoints for assessment within the Environmental Statement:

- Representative viewpoints (1 - 32) -
- approximate position, extent and direction of view
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- approximate position, extent and direction of view



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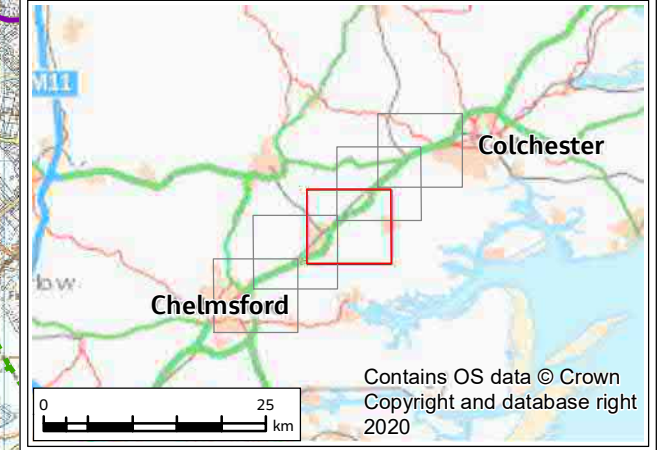
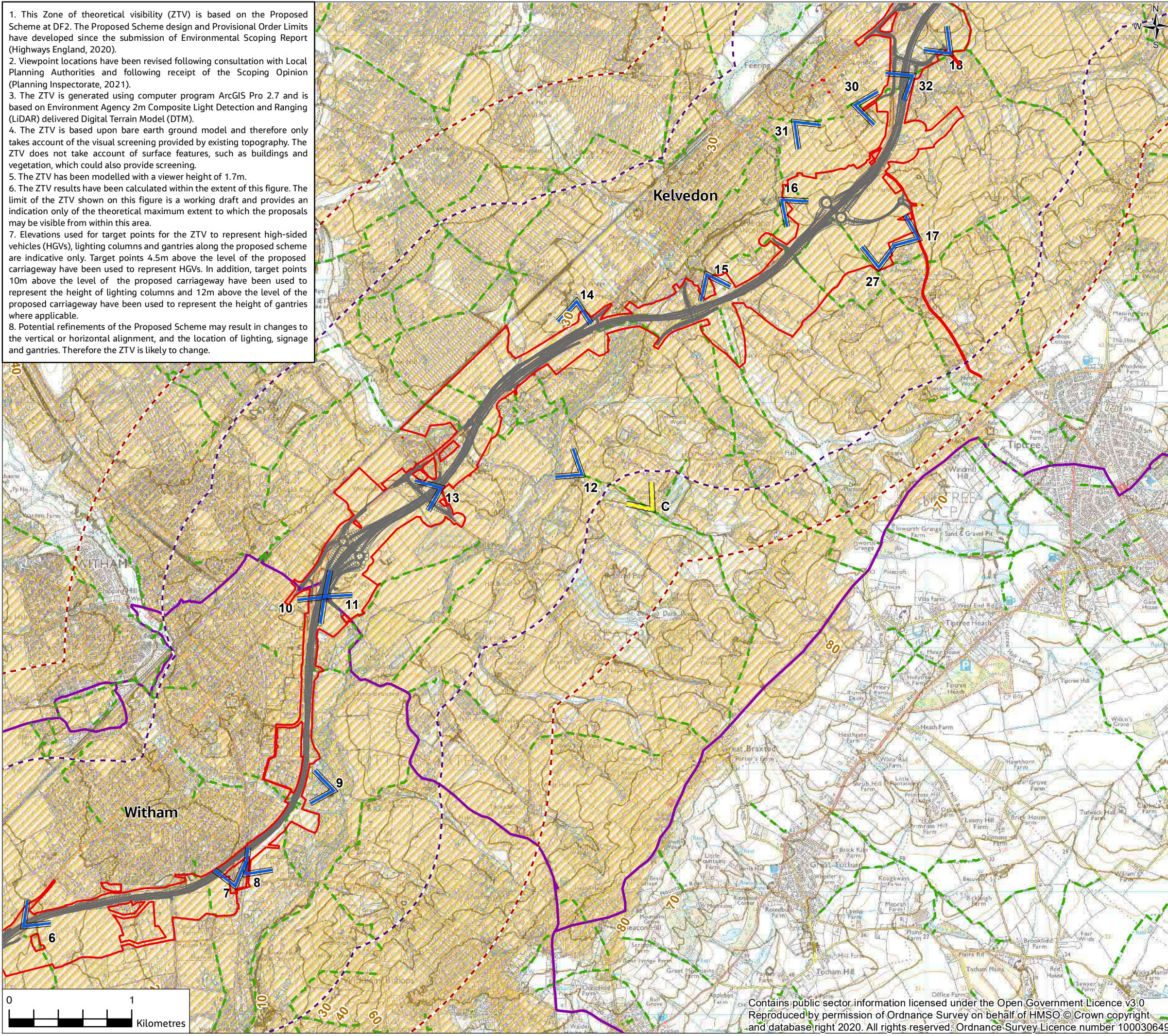
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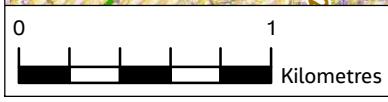
FIGURE 8.3

- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
 - Contours at 10m intervals
 - Theoretical visibility of HGV, lighting column and gantry target points only
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Drawing Status						
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Jacobs No.		B36601D1	Rev		POS	
Client No.		HE551497				
Drawing Number						
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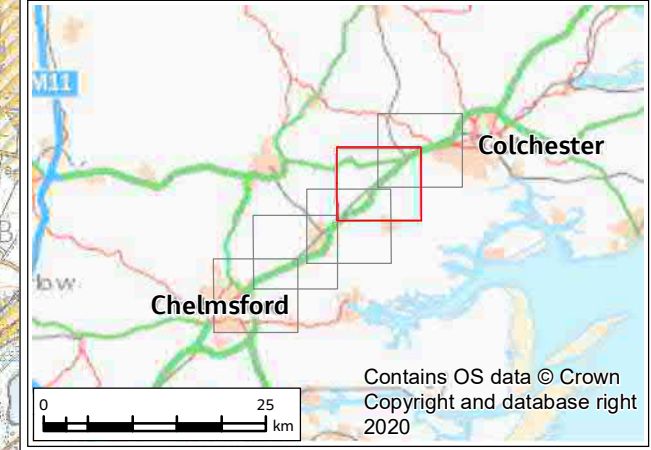
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FIGURE 8.3

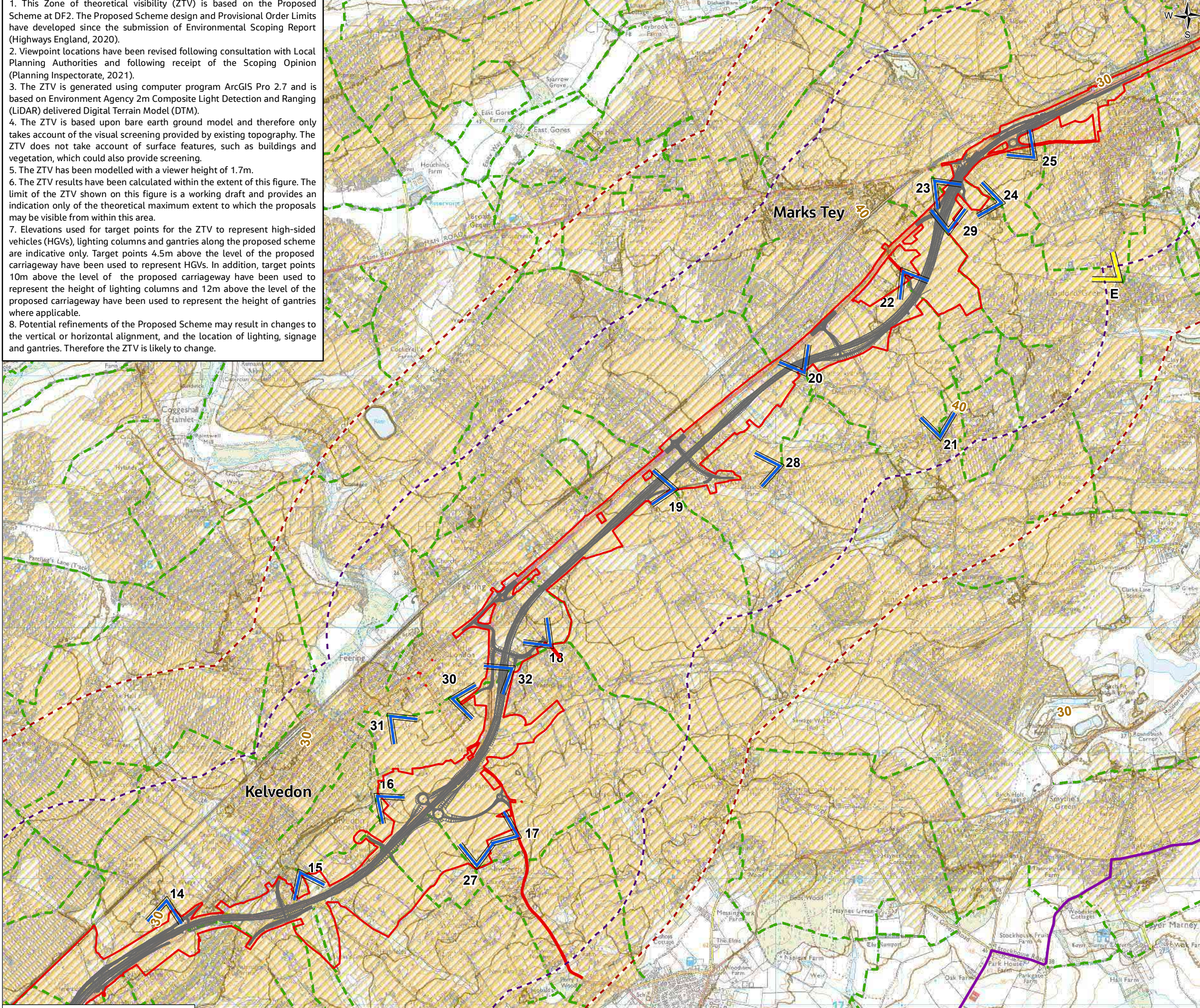
- Legend**
- Provisional Order Limits
 - Proposed Scheme
 - 1km buffer from Provisional Order Limits
 - 2km study area around Proposed Scheme Centreline
 - Public right of way
 - National cycle route
 - Regional cycle route
 - Contours at 10m intervals
 - Theoretical visibility of HGV, lighting column and gantry target points only
 - Theoretical visibility of lighting column and gantry target points only

Viewpoints for assessment within the Environmental Statement:

- Representative viewpoints (1 - 32) - ▶ approximate position, extent and direction of view
- Longer distance illustrative viewpoints (A - E) - ▶ approximate position, extent and direction of view



POS	11/05/21	For consultation	ML	HB	HM	SG
Rev.	Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
Contractor			Designer			
Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR ZONE OF THEORETICAL VISIBILITY AND VIEWPOINTS SHEET 4 OF 5						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:30000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev			
Client No.		HE551497	POS			
Drawing Number						
HE551497-JAC-ELS-SCHW-SK-GI-0010						



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1. This Zone of theoretical visibility (ZTV) is based on the Proposed Scheme at DF2. The Proposed Scheme design and Provisional Order Limits have developed since the submission of Environmental Scoping Report (Highways England, 2020).
2. Viewpoint locations have been revised following consultation with Local Planning Authorities and following receipt of the Scoping Opinion (Planning Inspectorate, 2021).
3. The ZTV is generated using computer program ArcGIS Pro 2.7 and is based on Environment Agency 2m Composite Light Detection and Ranging (LiDAR) delivered Digital Terrain Model (DTM).
4. The ZTV is based upon bare earth ground model and therefore only takes account of the visual screening provided by existing topography. The ZTV does not take account of surface features, such as buildings and vegetation, which could also provide screening.
5. The ZTV has been modelled with a viewer height of 1.7m.
6. The ZTV results have been calculated within the extent of this figure. The limit of the ZTV shown on this figure is a working draft and provides an indication only of the theoretical maximum extent to which the proposals may be visible from within this area.
7. Elevations used for target points for the ZTV to represent high-sided vehicles (HGVs), lighting columns and gantries along the proposed scheme are indicative only. Target points 4.5m above the level of the proposed carriageway have been used to represent HGVs. In addition, target points 10m above the level of the proposed carriageway have been used to represent the height of lighting columns and 12m above the level of the proposed carriageway have been used to represent the height of gantries where applicable.
8. Potential refinements of the Proposed Scheme may result in changes to the vertical or horizontal alignment, and the location of lighting, signage and gantries. Therefore the ZTV is likely to change.

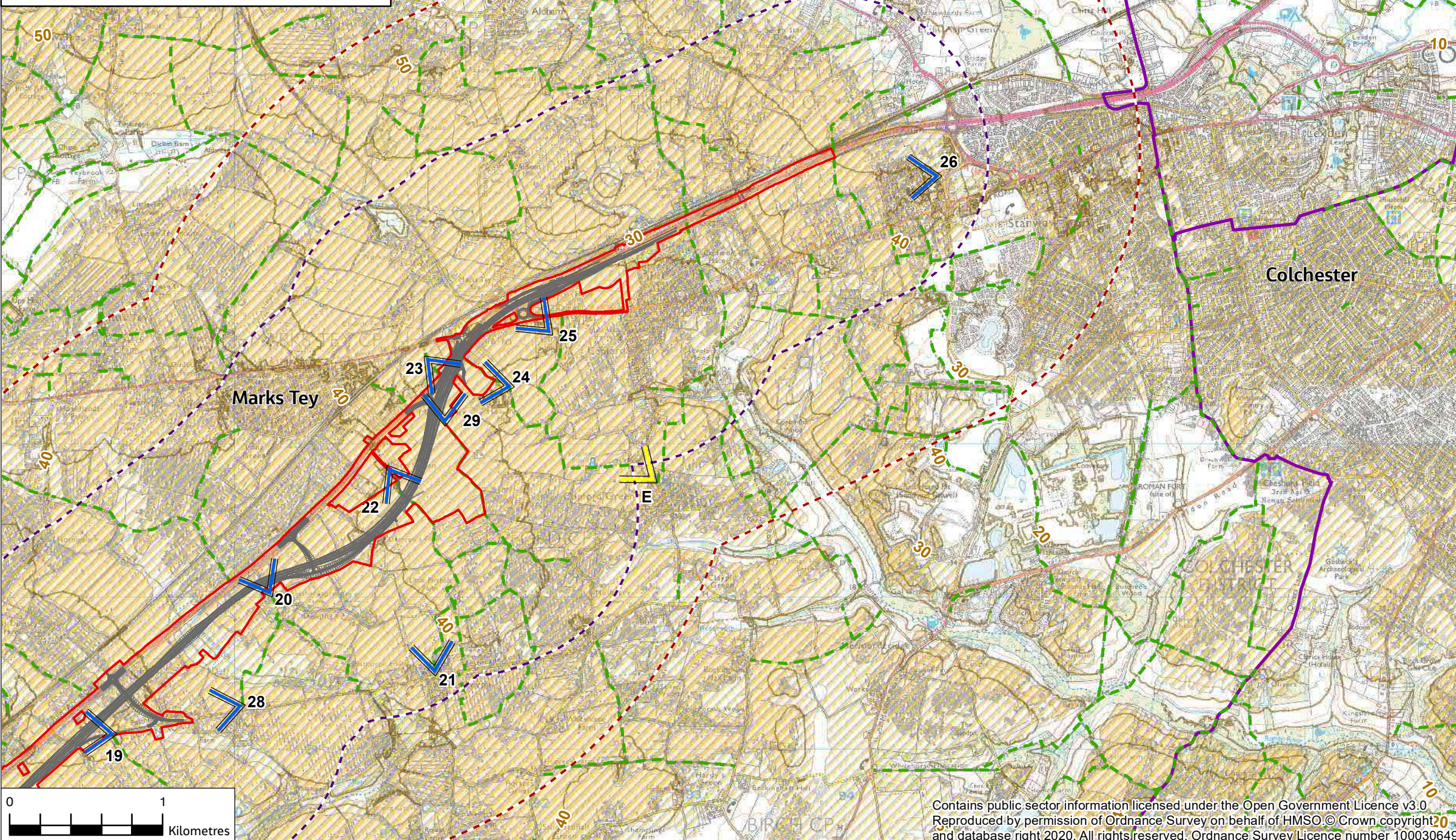
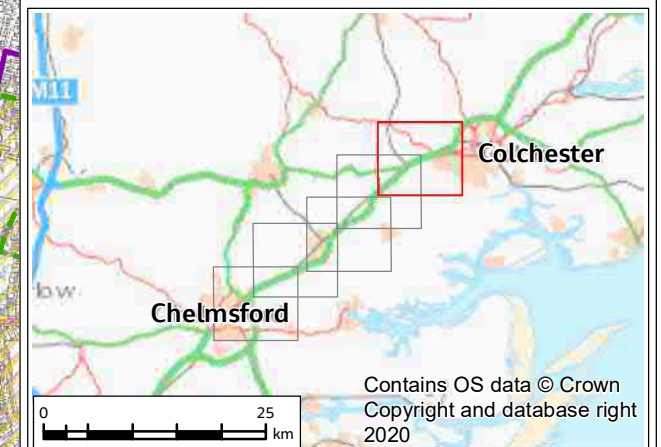
FIGURE 8.3

Legend

- Provisional Order Limits
- Proposed Scheme
- 1km buffer from Provisional Order Limits
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Contractor			Designer			
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Client						
Project						
A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title						
PEIR ZONE OF THEORETICAL VISIBILITY AND VIEWPOINTS SHEET 5 OF 5						
Drawing Status						
S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3		1:30000	DO NOT SCALE			
Jacobs No.		B36601D1	Rev		POS	
Client No.		HE551497				
Drawing Number						
HE551497-JAC-ELS-SCHW-SK-GI-0011						

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