

RSP

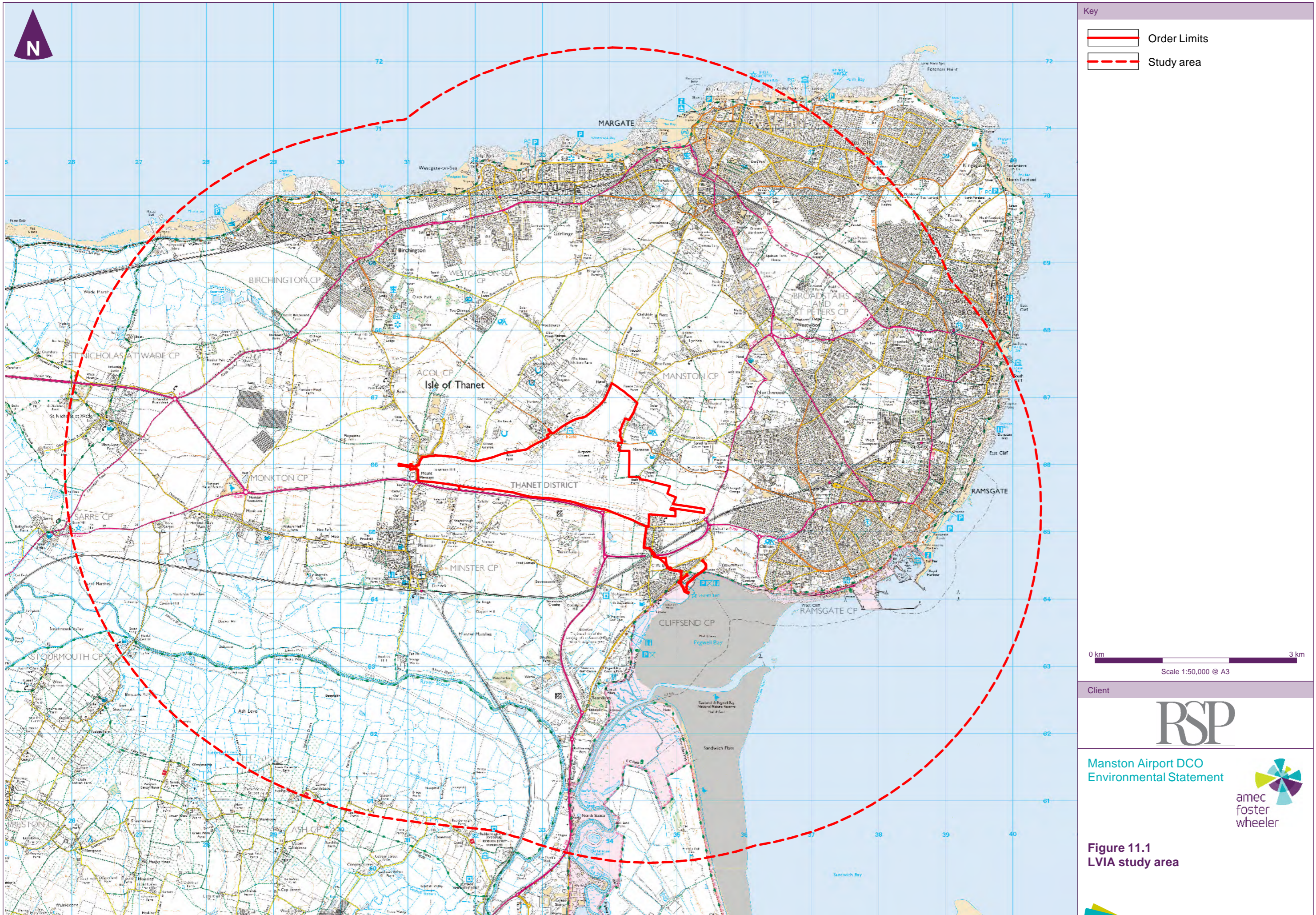
RiverOak Strategic Partners

5.2-4

Environmental Statement Volume 4: Figures

TR020002/APP/5.4

Project Name: Manston Airport Development Consent Order
Regulation: Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure) Regulations 2009, as amended
Date: July 2018



Key

- Order Limits
- Study area

0 km 3 km
 Scale 1:50,000 @ A3

Client



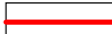

Manston Airport DCO
 Environmental Statement



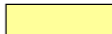
Figure 11.1
 LVIA study area




Key

-  Order Limits
-  Study area

Zone of Theoretical Visibility

-  Existing (baseline) infrastructure may be visible

- Note:**
1. The ZTV takes into account the screening effects of both vegetation and structures.
 2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
 3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
 4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.

0 km  3 km
Scale 1:50,000 @ A3

Client



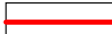

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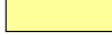
Figure 11.2
Zone of Theoretical Visibility:
existing (baseline) infrastructure



Key

-  Order Limits
-  Study area

Zone of Theoretical Visibility

-  Proposed airfield infrastructure (excluding the air traffic control tower) may be visible

Note:

1. The ZTV takes into account the screening effects of both vegetation and structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



Client



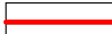

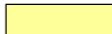
Manston Airport DCO
Environmental Statement



Figure 11.3
Zone of Theoretical Visibility:
proposed airfield infrastructure
(excluding the air traffic control tower)



Key

-  Order Limits
-  Study area
- Zone of Theoretical Visibility**
-  Proposed air traffic control tower may be visible

Note:

1. The ZTV takes into account the screening effects of both vegetation and structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



Client



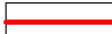

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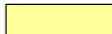
Figure 11.4
Zone of Theoretical Visibility:
proposed air traffic control tower



Key

-  Order Limits
-  Study area

Zone of Theoretical Visibility

-  Proposed tail fins at stands may be visible

- Note:**
1. The ZTV takes into account the screening effects of both vegetation and structures.
 2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
 3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
 4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.

0 km 3 km

Scale 1:50,000 @ A3

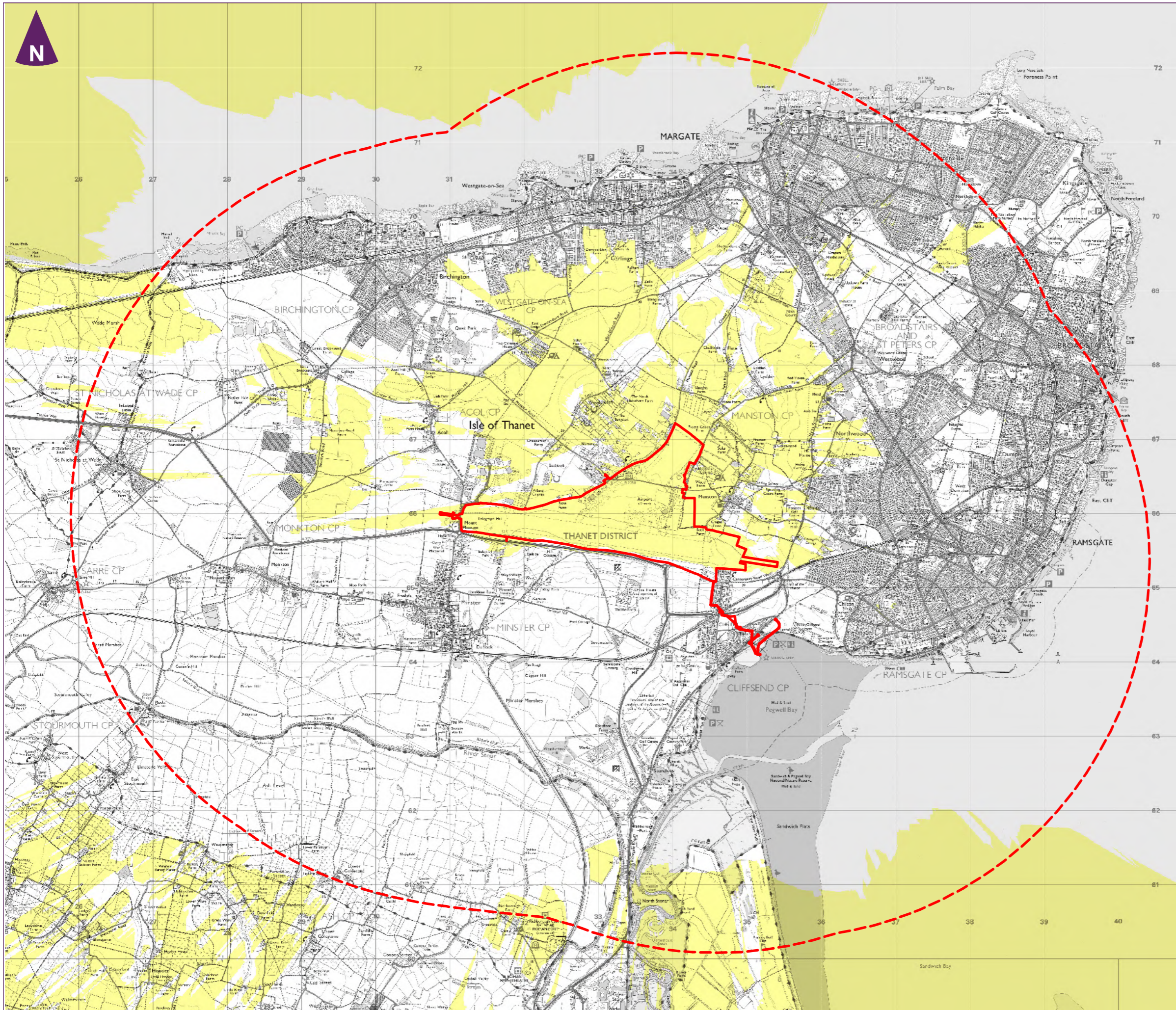
Client



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Figure 11.5
Zone of Theoretical Visibility:
proposed tail fins at stands



Key

- Order Limits
- Study area

Zone of Theoretical Visibility

- Proposed business park structures may be visible

Note:

1. The ZTV takes into account the screening effects of both vegetation and structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



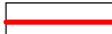


Client

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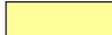
Figure 11.6
Zone of Theoretical Visibility:
proposed business park structures



Key

-  Order Limits
-  Study area
-  Viewpoint location

Zone of Theoretical Visibility

-  Proposed operational elements may be visible

Note:

1. The ZTV takes into account the screening effects of both vegetation and structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.

0 km 3 km

Scale 1:50,000 @ A3

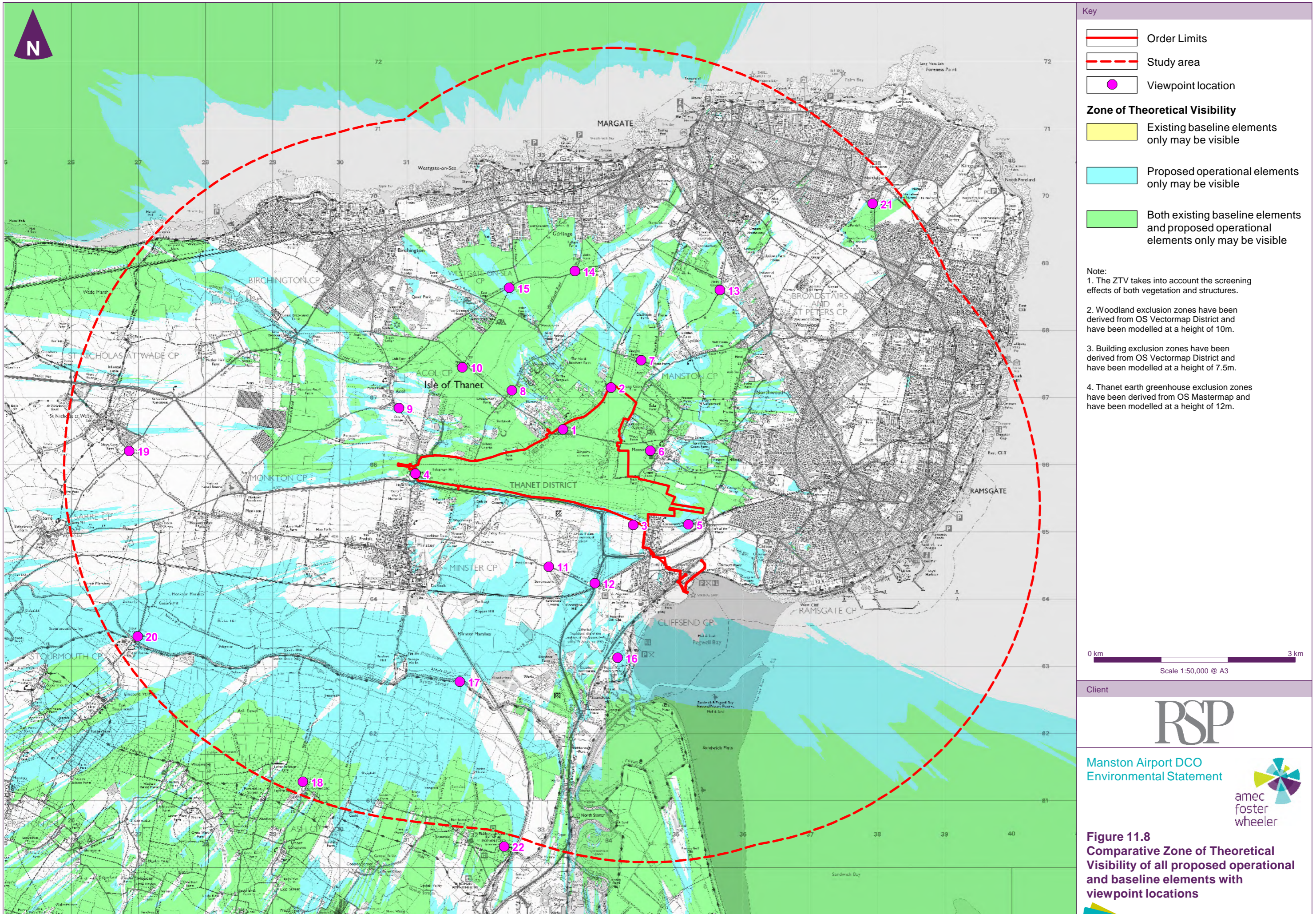
Client



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Figure 11.7
Composite Zone of Theoretical Visibility of all proposed operational elements and viewpoint locations



Key

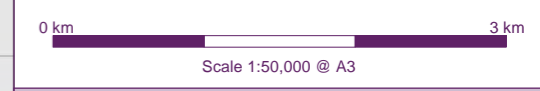
- Order Limits
- Study area
- Viewpoint location

Zone of Theoretical Visibility

- Existing baseline elements only may be visible
- Proposed operational elements only may be visible
- Both existing baseline elements and proposed operational elements only may be visible

Note:

1. The ZTV takes into account the screening effects of both vegetation and structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



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Figure 11.8
Comparative Zone of Theoretical Visibility of all proposed operational and baseline elements with viewpoint locations

SECTION 1



SECTION 2



Viewpoint 1 Parameters:

OS reference:	E633 315, N166 524	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 15:00

Client



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Figure 11.9a
Annotated Daytime Viewpoint
Photography: Viewpoint 1

SECTION 3



Viewpoint 1 Parameters:

OS reference:	E633 315, N166 524	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 15:00

Client



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Figure 11.9b
Annotated Daytime Viewpoint
Photography: Viewpoint 1

SECTION 1



SECTION 2



Viewpoint 2 Parameters:

OS reference:	E634 032, N167 145	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 15:10

Client



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Figure 11.10
Annotated Daytime Viewpoint
Photography: Viewpoint 2

Viewpoint 3: Canterbury Road West PRow.



Access to
Manston
Airport
Emergency

Viewpoint 4: B2190, Minster Road.



Aviation Charter Buildings on Spitfire Way

Viewpoint 3 Parameters:

OS reference:	E634 366, N165 089	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 09:30

Viewpoint 4 Parameters:

OS reference:	E631 122, N165 862	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 14:30

Client



Manston Airport DCO
Environmental Statement



Figure 11.11
Annotated Daytime Viewpoint
Photography: Viewpoints 3 & 4

Properties on Windsor Road



Viewpoint 5 Parameters:

OS reference:	E635 205, N165 114	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
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Client



Manston Airport DCO
Environmental Statement

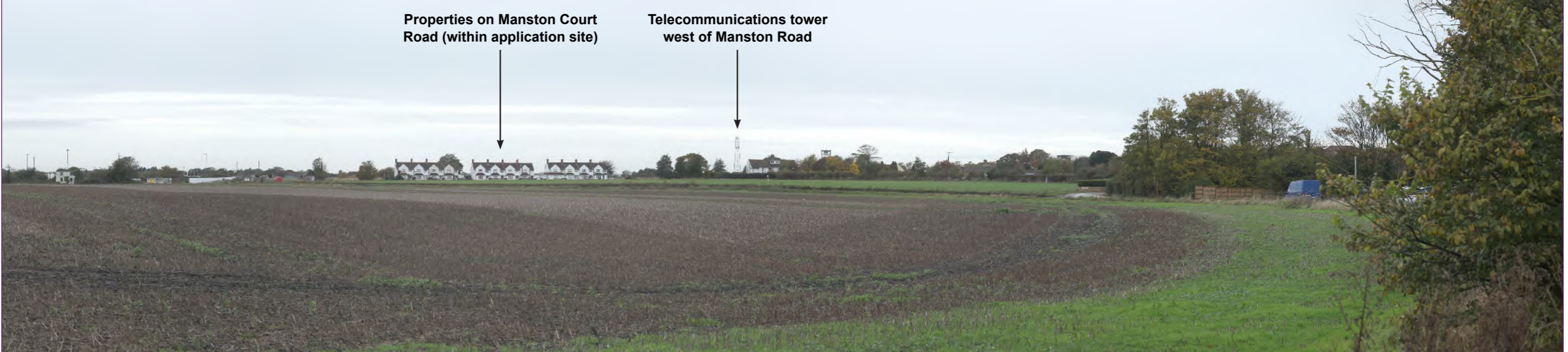


Figure 11.12
Annotated Daytime Viewpoint
Photography: Viewpoint 5

SECTION 1



SECTION 2



Viewpoint 6 Parameters:

OS reference:	E634 619, N166 204	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 12:13

Client



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Figure 11.13
Annotated Daytime Viewpoint
Photography: Viewpoint 6

Viewpoint 7: Vincent Road near Fleet Farm.



Viewpoint 8: Woodchurch Road, southern edge of Woodchurch.



Viewpoint 7 Parameters:

OS reference:	E634 481, N167 555	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 13:10

Viewpoint 8 Parameters:

OS reference:	E632 564, N167 096	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 13:40

Client



Manston Airport DCO
Environmental Statement



Figure 11.14
Annotated Daytime Viewpoint
Photography: Viewpoints 7 & 8

Viewpoint 9: Minster Road, Acol.



Viewpoint 10: Pumping station south of Quex Park.



Viewpoint 9 Parameters:

OS reference:	E630 872, N166 840	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 15:00

Viewpoint 10 Parameters:

OS reference:	E631 819, N167 446	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 14:06

Client



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Figure 11.15
Annotated Daytime Viewpoint
Photography: Viewpoints 9 & 10

Viewpoint 11: Viking Coastal Trail, Cottington Road.



Viewpoint 12: A256, Cottington Road Bridge.



Viewpoint 11 Parameters:

OS reference:	E633 107, N164 479	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 10:45

Viewpoint 12 Parameters:

OS reference:	E633 790, N164 232	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 10:35

Client

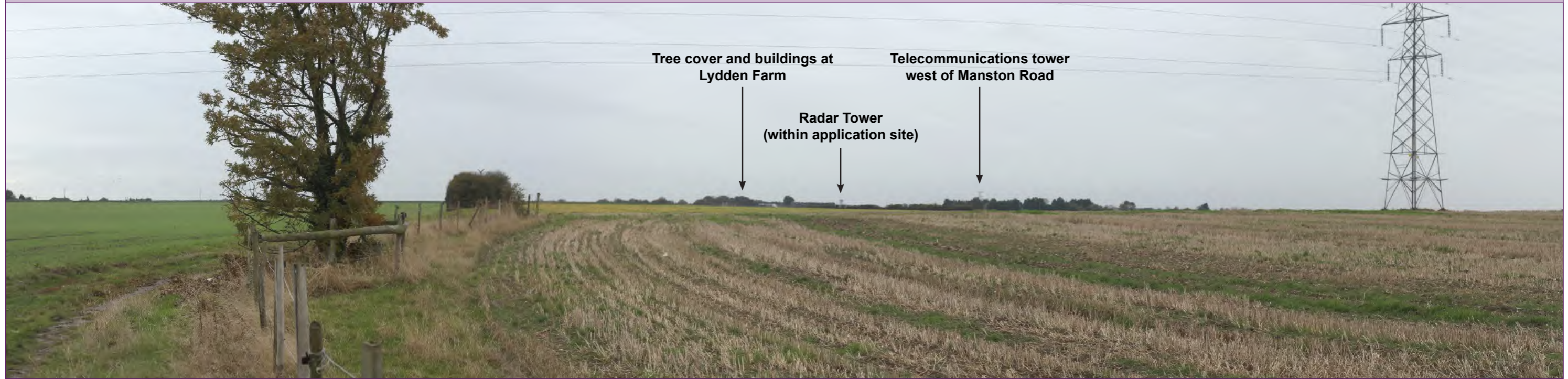


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Environmental Statement

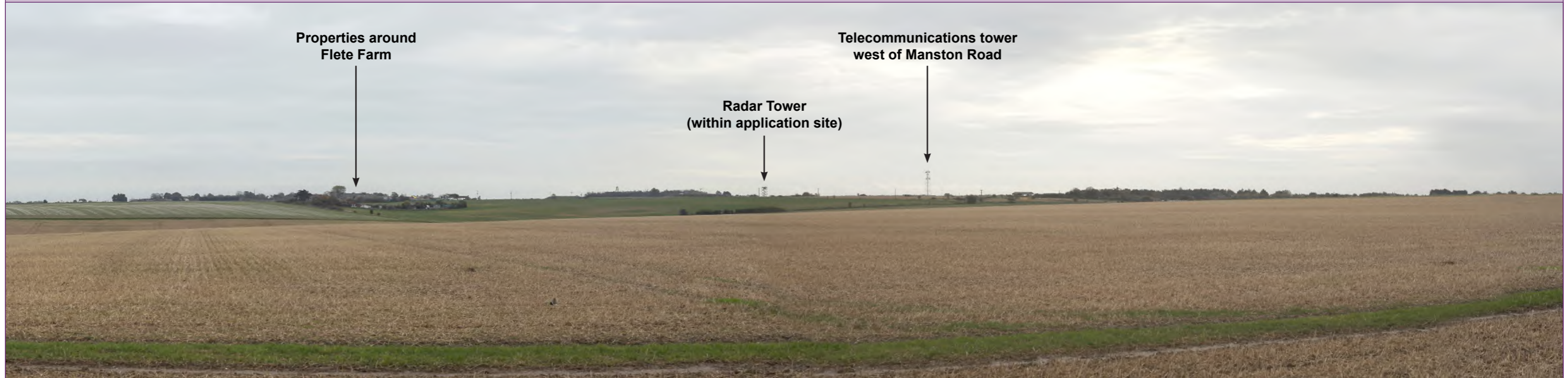


Figure 11.16
Annotated Daytime Viewpoint
Photography: Viewpoints 11 & 12

Viewpoint 13: Nash Court, Nash Road, Margate.



Viewpoint 14: Junction of High Street and Shottendane Road, southern Garlinge.



Viewpoint 13 Parameters:

OS reference:	E635 654, N168 600	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 15:34

Viewpoint 14 Parameters:

OS reference:	E633 511, N168 850	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 15:16

Client



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Figure 11.17
Annotated Daytime Viewpoint
Photography: Viewpoints 13 & 14

Viewpoint 15: PRoW, Shottenden Road.



Viewpoint 16: Northern side of Pegwell Country Park.



Viewpoint 15 Parameters:

OS reference:	E632 531, N168 633	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 15:40

Viewpoint 16 Parameters:

OS reference:	E634 328, N163 120	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/11/2016 16:08

Client

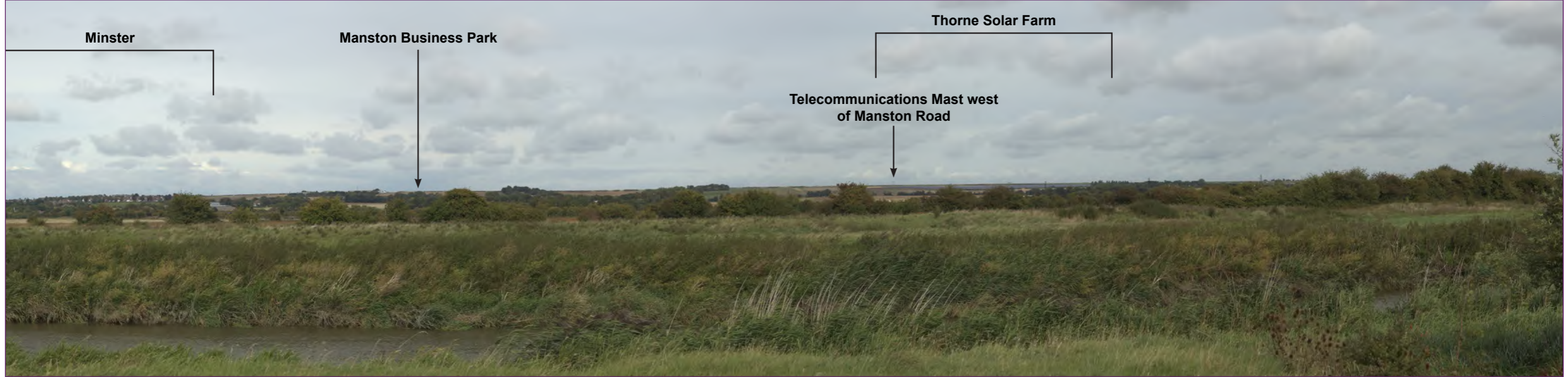


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Figure 11.18
Annotated Daytime Viewpoint
Photography: Viewpoints 15 & 16

Viewpoint 17: South Saxon Way alongside River Stour.



Viewpoint 18: Goldstone Drive PRow, west of Lower Goldstone.



Viewpoint 17 Parameters:

OS reference:	E631 780, N162 767	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 13:11

Viewpoint 18 Parameters:

OS reference:	E629 443, N161 275	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 17:08

Client



Manston Airport DCO
Environmental Statement



Figure 11.19
Annotated Daytime Viewpoint
Photography: Viewpoints 17 & 18

Viewpoint 19: Eastern edge of St Nicholas at Wade.



Viewpoint 20: North side of bridge at Plucks Gutter.



Viewpoint 19 Parameters:

OS reference:	E626 863, N166 205	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	10/10/2017 13:57

Viewpoint 20 Parameters:

OS reference:	E626 980, N163 458	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	10/10/2017 14:00

Client



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Environmental Statement

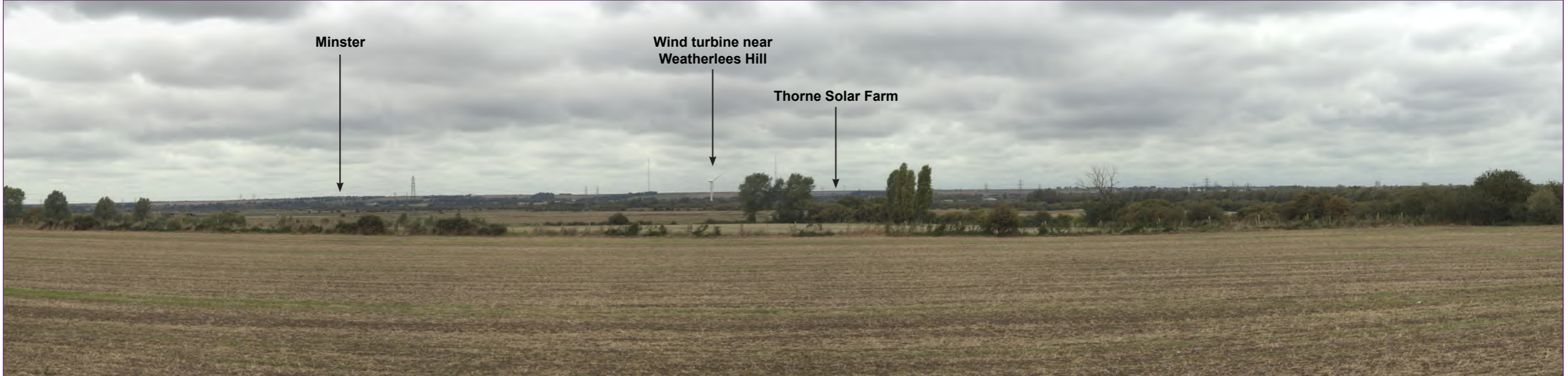


Figure 11.20
Annotated Daytime Viewpoint
Photography: Viewpoints 19 & 20

Viewpoint 21: St Michael's Avenue, Northdown.



Viewpoint 22: PRow, north of Richborough Castle.



Viewpoint 21 Parameters:

OS reference:	E637 905, N169 846	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	10/10/2017 14:03

Viewpoint 22 Parameters:

OS reference:	E632 440, N160 311	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 11:35

Client



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Figure 11.21
Annotated Daytime Viewpoint
Photography: Viewpoints 21 & 22

SECTION 1

Lighting at Passenger Terminal at Existing Non-operational Airport



SECTION 2



Viewpoint 1 Parameters:

OS reference:	E633 315, N166 524	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 20:25

Client

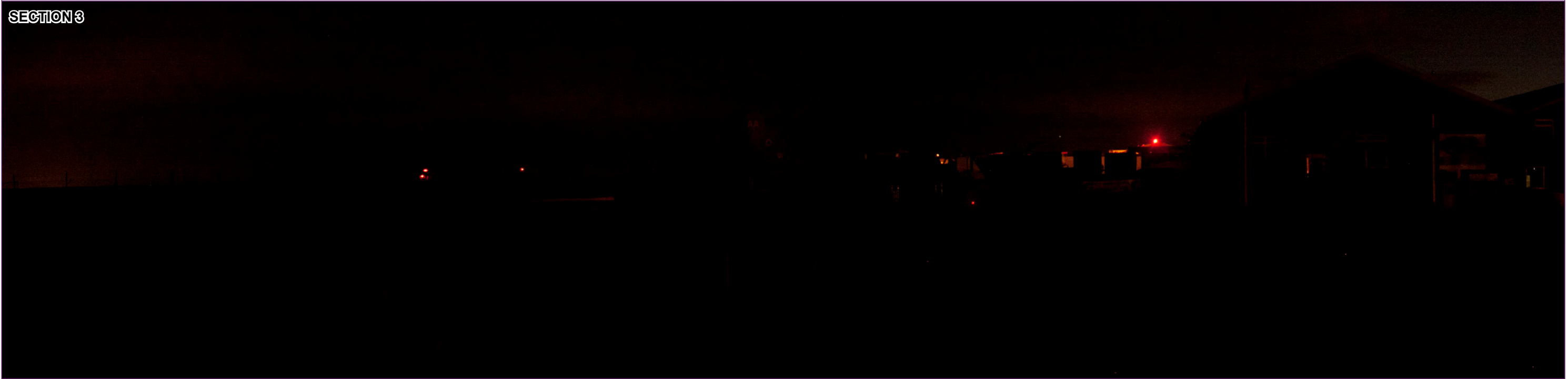


Manston Airport DCO
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Figure 11.22a
Annotated Night-time Viewpoint
Photography: Viewpoint 1

SECTION 3



Viewpoint 1 Parameters:

OS reference:	E633 315, N166 524	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 20:25

Client



Manston Airport DCO
Environmental Statement



Figure 11.22b
Annotated Night-time Viewpoint
Photography: Viewpoint 1

SECTION 1

Lighting at Residential Properties on Manston Court Road



SECTION 2

Lighting at Passenger Terminal at Existing Non-operational Airport

Lighting at base of Radar Tower



Viewpoint 2 Parameters:

OS reference:	E634 032, N167 145	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 20:17

Client



Manston Airport DCO
Environmental Statement



Figure 11.23
Annotated Night-time Viewpoint
Photography: Viewpoint 2



Night-time Viewpoint 3: Canterbury Road West PRoW



Night-time Viewpoint 5: A256 Haine Road



Viewpoint 3 Parameters:

OS reference:	E634 366, N165 089	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 21:22

Viewpoint 5 Parameters:

OS reference:	E635 205, N165 114	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	03/10/2017 21:04

Client

Manston Airport DCO
Environmental Statement

Figure 11.24
Annotated Night-time Viewpoint
Photography: Viewpoints 3 & 5

SECTION 1

Lighting at Passenger Terminal at Existing Non-operational Airport



SECTION 2

Lighting at Passenger Terminal at Existing Non-operational Airport

Lighting at Residential Properties on Manston Court Road

Telecommunications tower west of Manston Road



Viewpoint 6 Parameters:

OS reference:	E634 619, N166 204	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	03/10/2017 20:43

Client



Manston Airport DCO Environmental Statement



Figure 11.25
Annotated Night-time Viewpoint Photography: Viewpoint 6

Night-time Viewpoint 7: Vincent Road near Fleet Farm.



Night-time Viewpoint 9: Minster Road, Acol.



Viewpoint 7 Parameters:

OS reference:	E634 504, N167 544	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 20:40

Viewpoint 9 Parameters:

OS reference:	E630 872, N166 840	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	03/10/2017 20:20

Client



Manston Airport DCO
Environmental Statement



Figure 11.26
Annotated Night-time Viewpoint
Photography: Viewpoints 7 & 9

Night-time Viewpoint 11: Viking Coastal Trail, Cottington Road.



Night-time Viewpoint 12: A256, Cottington Road Bridge.



Viewpoint 11 Parameters:

OS reference:	E633 107, N164 479	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	14/09/2017 20:00

Viewpoint 12 Parameters:

OS reference:	E633 790, N164 232	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	12/09/2017 20:15

Client

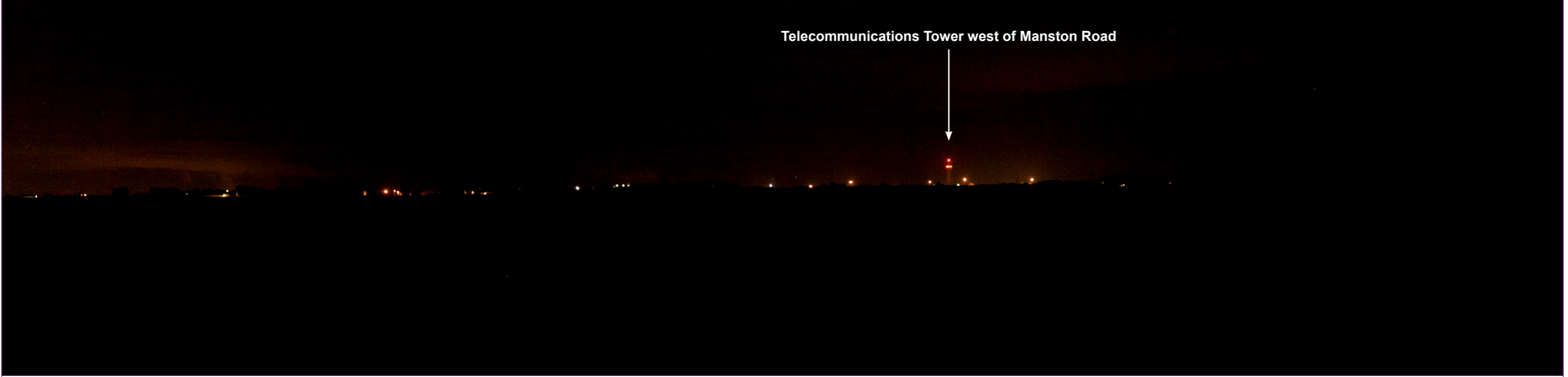


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Figure 11.27
Annotated Night-time Viewpoint Photography: Viewpoints 11 & 12

Night-time Viewpoint 14: Junction of High Street and Shottendane Road, southern Garlinge.



Telecommunications Tower west of Manston Road

Night-time Viewpoint 15: PRow, Shottenden Road.



Telecommunications Tower west of Manston Road

Viewpoint 14 Parameters:

OS reference:	E633 511, N168 850	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 20:52

Viewpoint 15 Parameters:

OS reference:	E632 531, N168 633	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	13/09/2017 21:12

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Figure 11.28
Annotated Night-time Viewpoint
Photography: Viewpoints 14 & 15

Highway Lighting Columns along A299



Viewpoint 20 Parameters:

OS reference:	E626 980, N163 458	Camera:	Canon EOS 5D Mk2
Horizontal field of view:	75° (cylindrical projection)	Lens:	50mm (Canon EF 50mm)
Principal distance:	300mm	Camera height:	~1.8m AGL
Paper size:	420mm x 297mm (A3)	Date and time:	03/10/2017 21:47

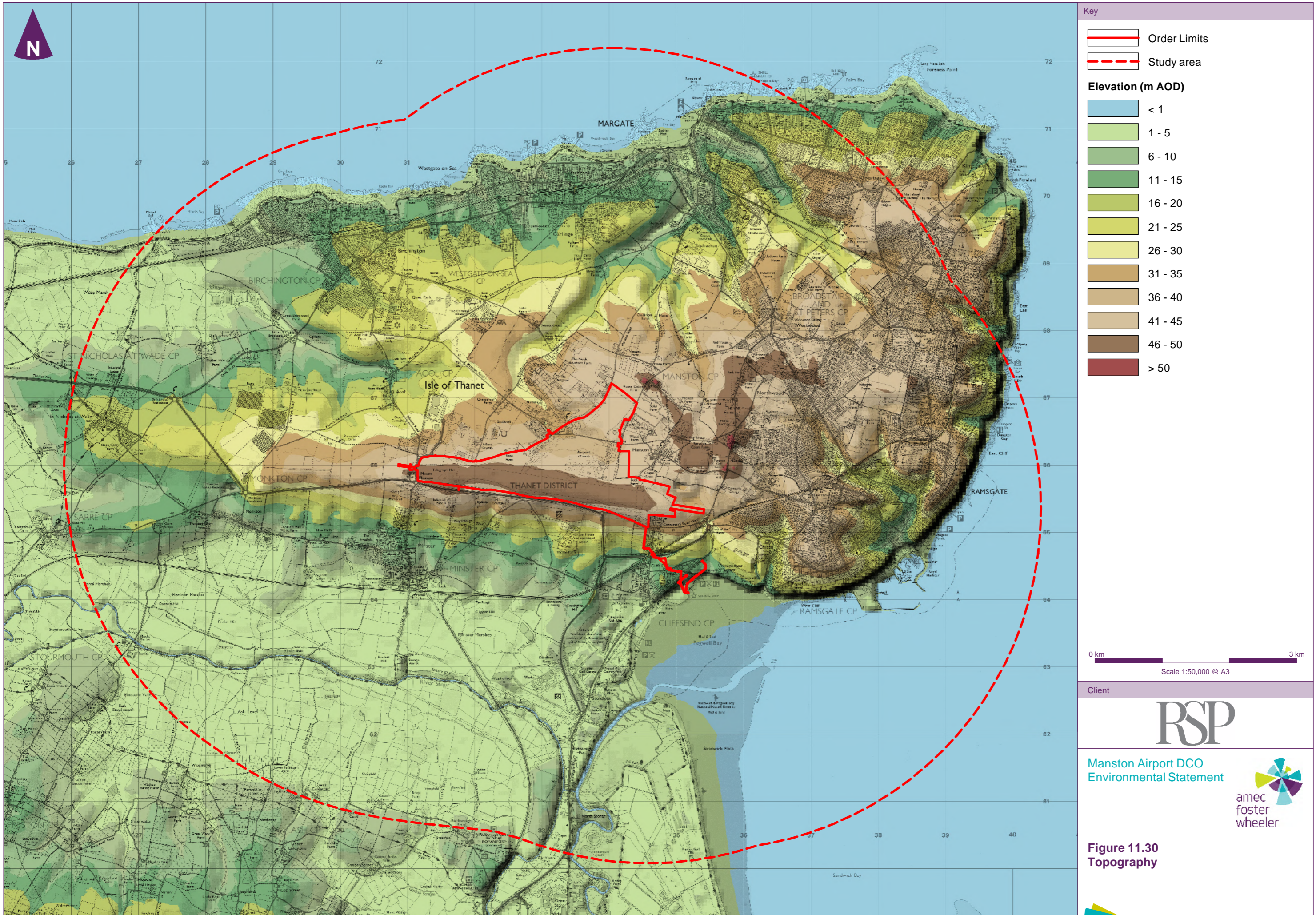
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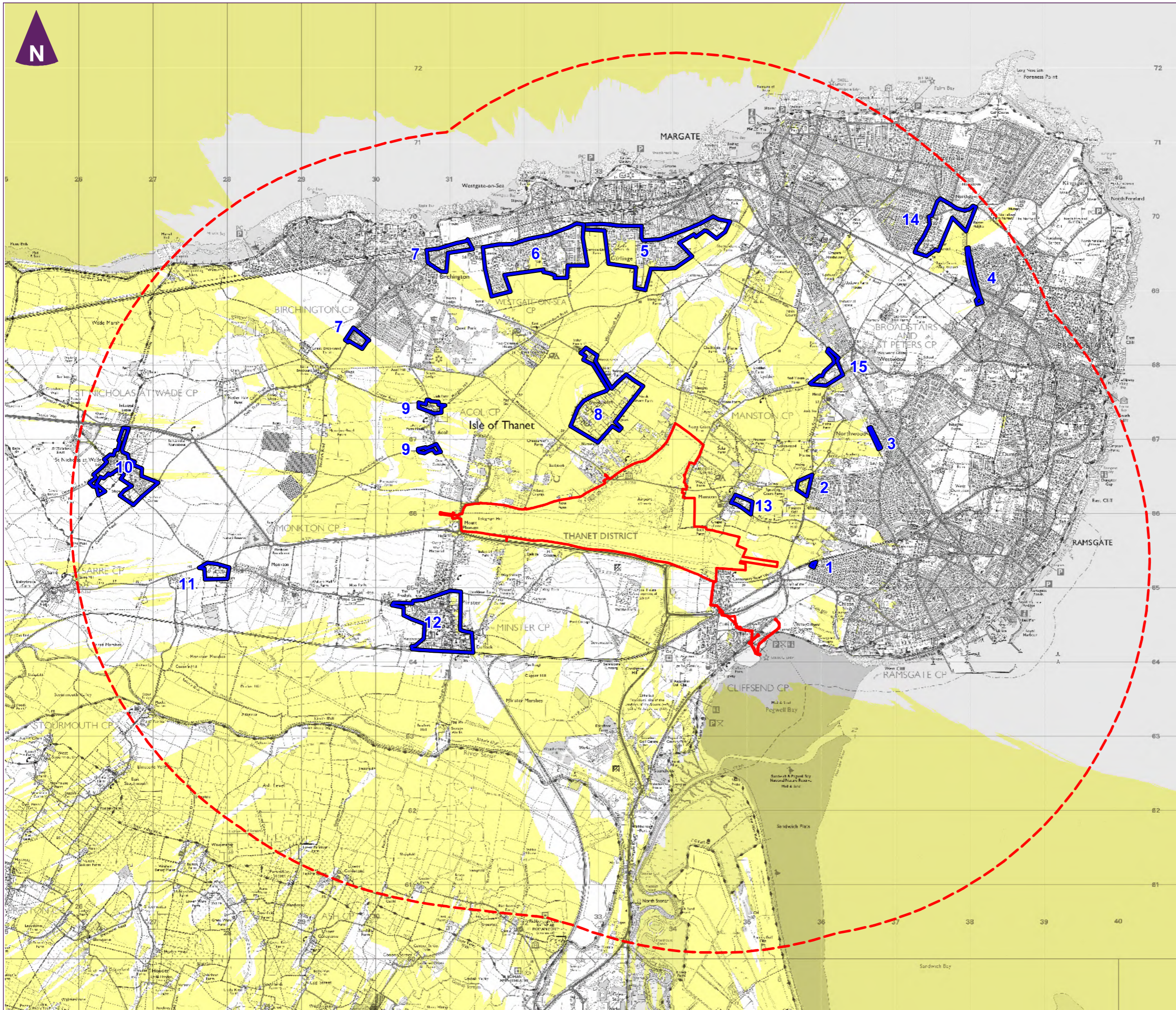


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Figure 11.29
Annotated Night-time Viewpoint
Photography: Viewpoint 20





Key

- Order Limits
- Study area
- Areas of principal settlements whose residents are included in the visual assessment

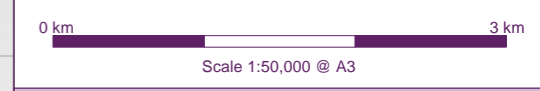
1. Ramsgate – Chilton (Nethercourt and Pegwell)
2. Ramsgate – Newington
3. Ramsgate - Northwood
4. Broadstairs
5. Margate
6. Westgate on Sea
7. Birchington
8. Woodchurch
9. Acol
10. St. Nicholas at Wade
11. Monkton
12. Minster
13. Manston (central and east)
14. Cliftonville
15. Westwood

Zone of Theoretical Visibility

- Proposed operational elements may be visible

Note:

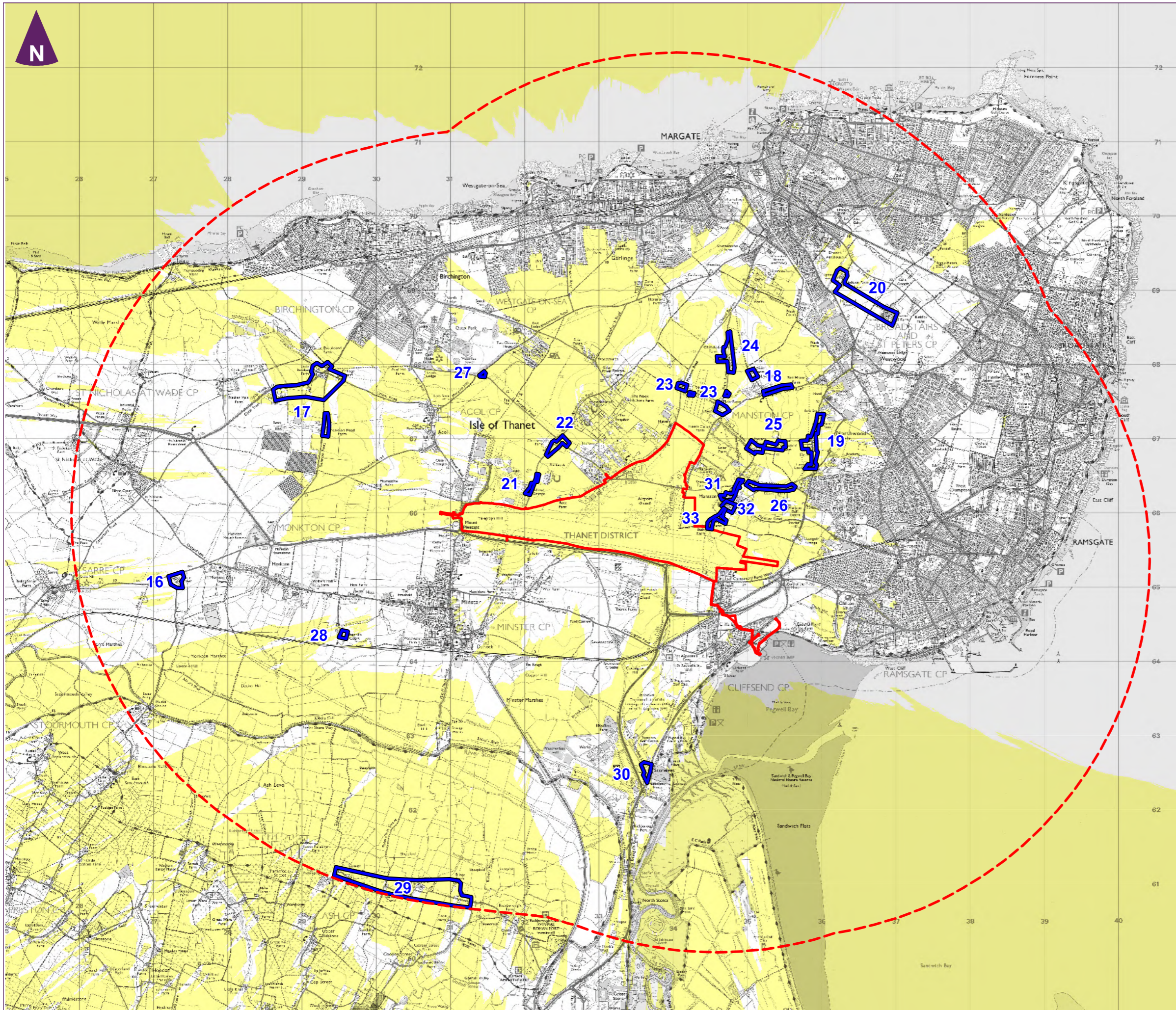
1. The ZTV takes no account of the screening effects of structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet Earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



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Figure 11.31
Principal Settlements whose residents are included in visual assessment



- Key**
- Order Limits
 - Study area
 - Groups of properties whose residents are included in the visual assessment

- 16. Gore Street
- 17. Brooks End
- 18. Lydden
- 19. Properties on Haine Road
- 20. Properties alongside and east of A254 between Margate and Westwood
- 21. Alland Grange Lane properties
- 22. Cheeseman's Farm properties
- 23. Vincent Road, Vincent Farm, Flete Farm
- 24. Chalkhole Farm, Flete & Fletcourt Farm
- 25. Preston Road properties, Preston Farm & Coldwood Farm
- 26. Properties on Spratling Street near Spratling Court Farm
- 27. Properties east of Quex Park
- 28. 2 properties in Hoo including Sheriff's Court
- 29. Properties along Richborough Road & southern edge of LVIA study area
- 30. Properties in Stonelees area
- 31. Manston - properties on Preston Road
- 32. Manston - properties on northern section of High Street
- 33. Manston - properties on southern section of High Street

Zone of Theoretical Visibility

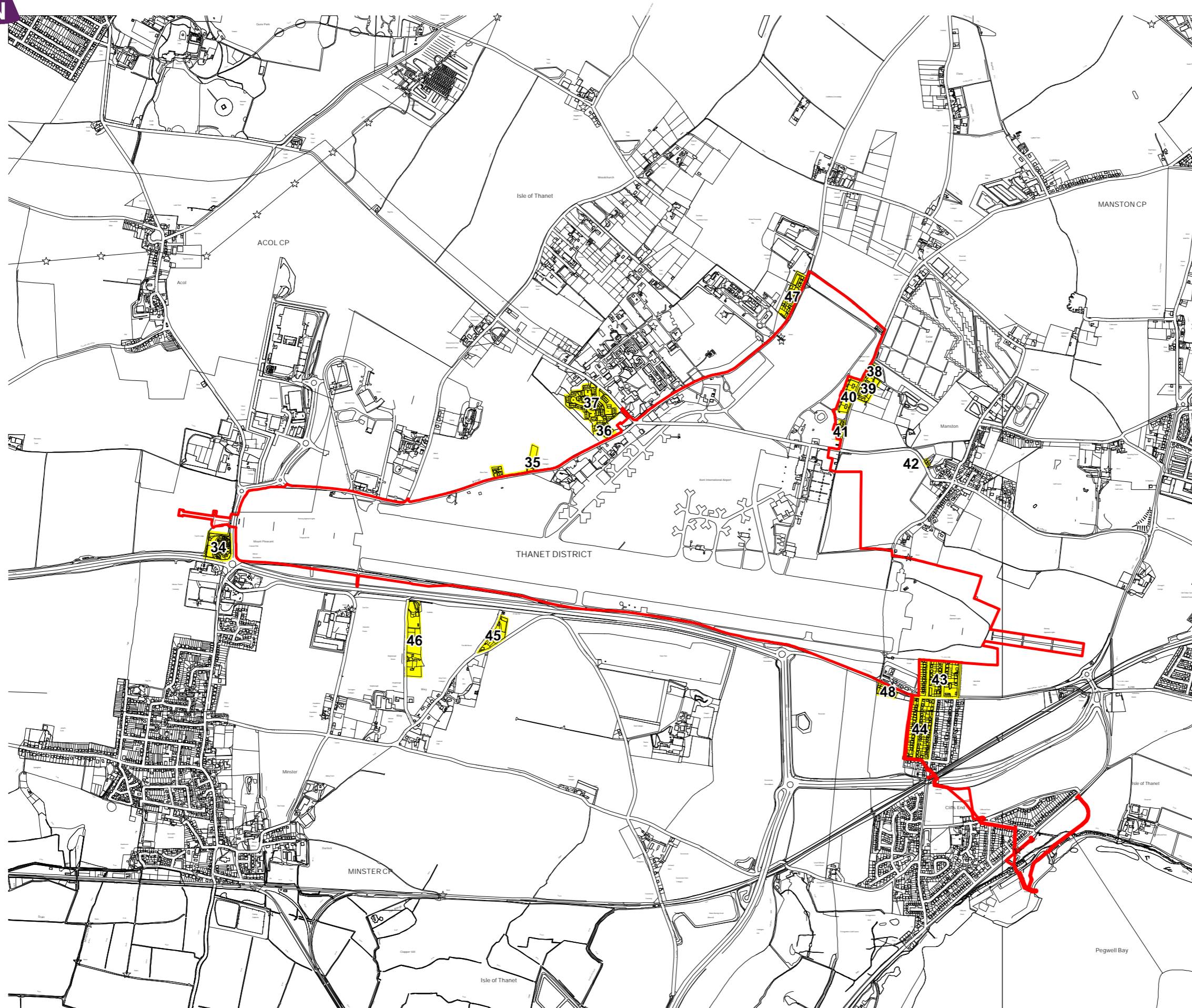
- Proposed operational elements may be visible

Note:



1. The ZTV takes no account of the screening effects of structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet Earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



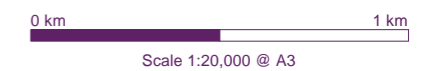
Figure 11.32
Groups of properties whose residents are included in the visual assessment



Key

-  Order Limits
-  Properties in immediate vicinity of Development Site

- 34. Mount Pleasant, properties west of Minster Road
- 35. Rose Farm and Ponces Cottages to east
- 36. Properties on Bell Davies Drive
- 37. Properties on western side of Manston Road
- 38. Terraced and semi-detached properties on eastern side of Manston Court Road
- 39. Properties around Manston Court on eastern side of Manston Court Road
- 40. Northern semi-detached properties on western side of Manston Court Road
- 41. Southern terraced properties on western side of Manston Court Road
- 42. Jubilee Cottages on Manston Road
- 43. Properties in northern Cliffs End north of Canterbury Road West
- 44. Properties in western Cliffs End south of Canterbury Road West
- 45. Properties north of Way on Ivy Cottage Hill
- 46. Properties north of Way on Wayborough Hill
- 47. West side of Manston Road.
- 48. Canterbury Road West, properties south of Jentex site.



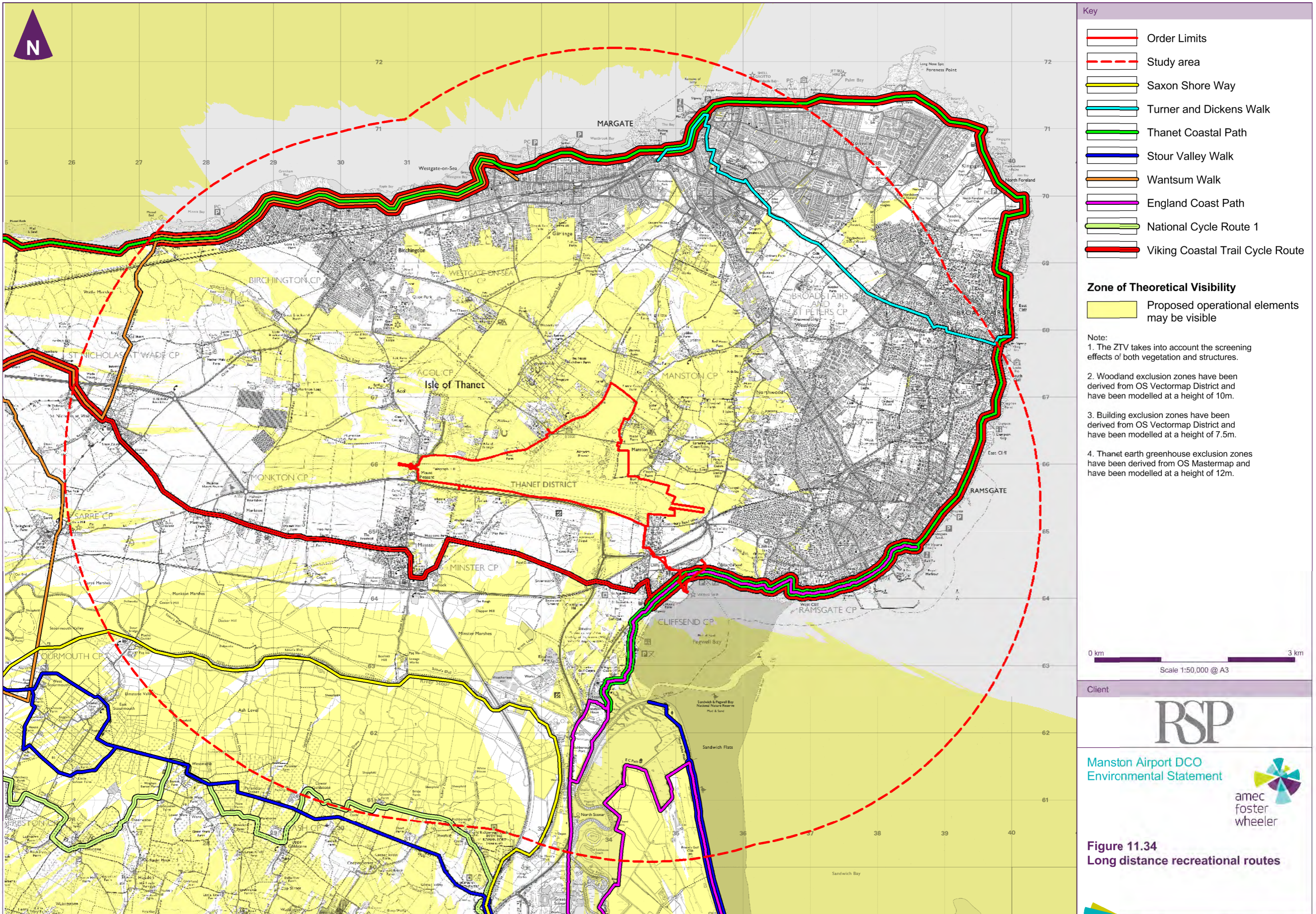
Client

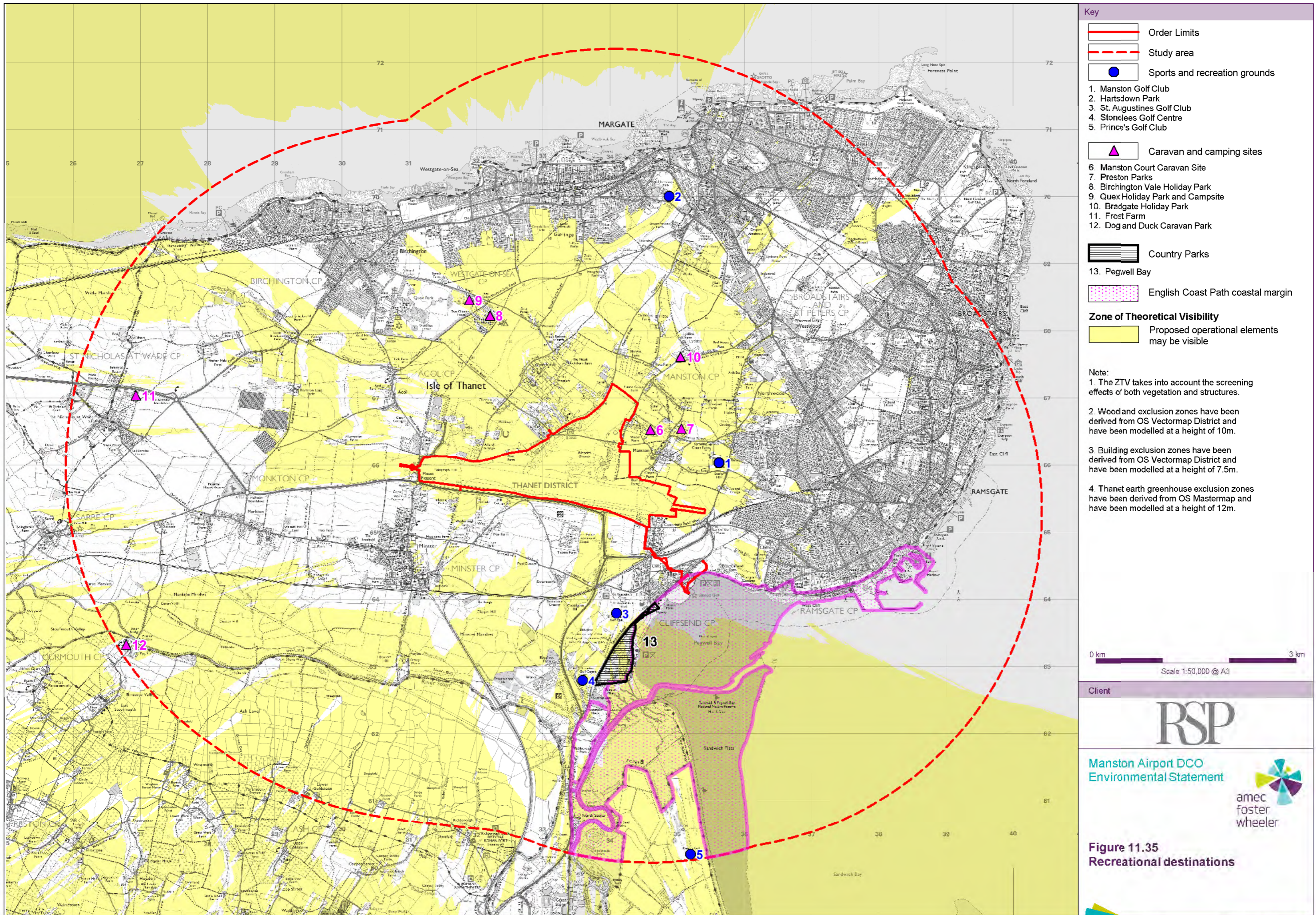


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Figure 11.33
Properties in the immediate vicinity
of the Development Site





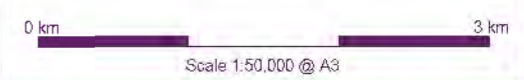
- Key**
- Order Limits
 - Study area
 - Sports and recreation grounds
 - ▲ Caravan and camping sites
 - 1. Manston Golf Club
 - 2. Hartsdown Park
 - 3. St. Augustines Golf Club
 - 4. Stonelees Golf Centre
 - 5. Prince's Golf Club
 - 6. Manston Court Caravan Site
 - 7. Preston Parks
 - 8. Birchington Vale Holiday Park
 - 9. Quex Holiday Park and Campsite
 - 10. Bradgate Holiday Park
 - 11. Frost Farm
 - 12. Dog and Duck Caravan Park
 - 13. Pegwell Bay
 - Country Parks
 - English Coast Path coastal margin

Zone of Theoretical Visibility

- Proposed operational elements may be visible

Note:

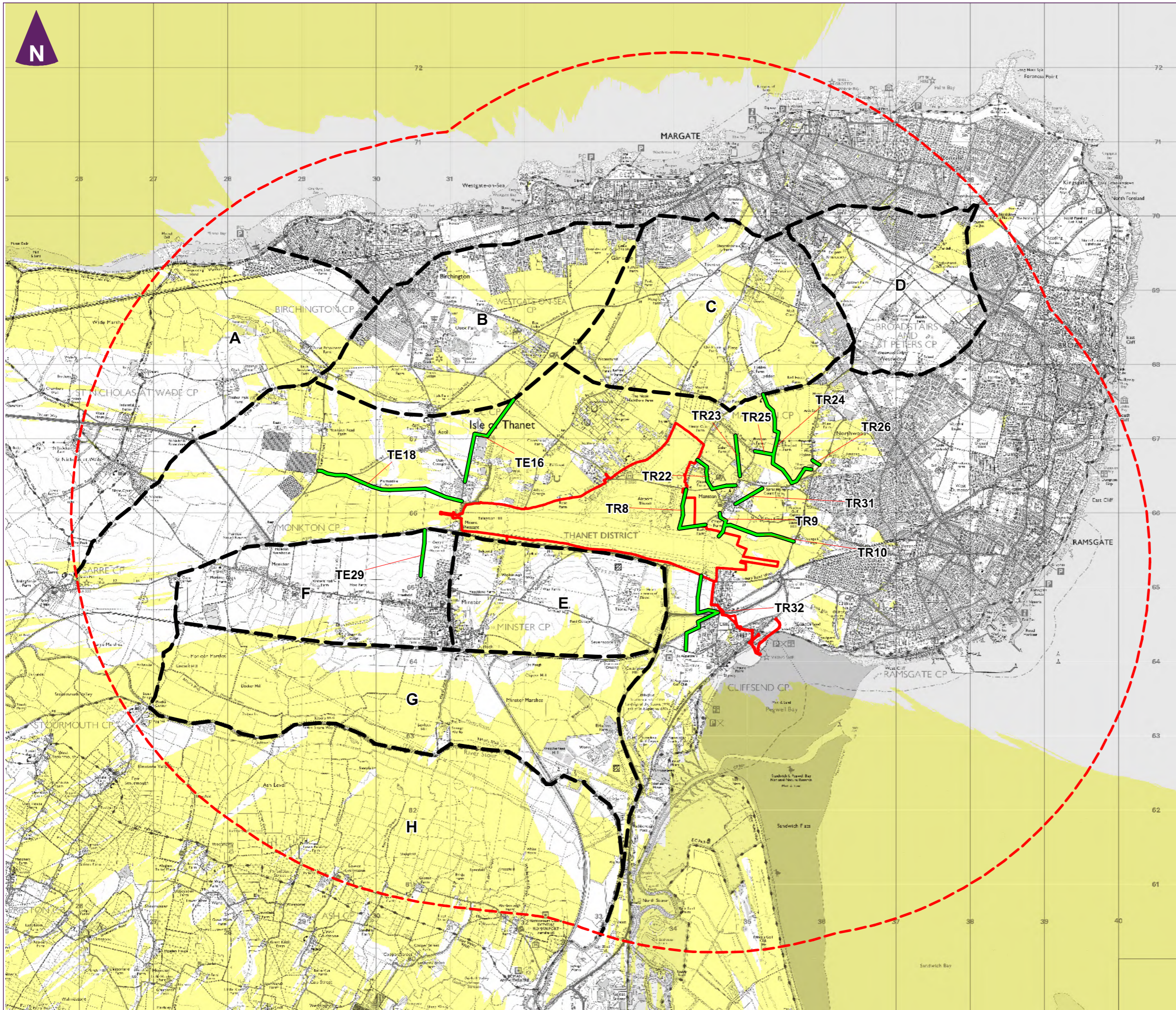
1. The ZTV takes into account the screening effects of both vegetation and structures.
2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.



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Manston Airport DCO
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Figure 11.35
Recreational destinations



Key

- Order Limits
- Study area
- Public Right of Way
- PRoW groups (A - H)

- A. Between Birchington and St. Nicholas at Wade.
- B. Between Brooks End and Westbrook.
- C. Between Lydden and Westbrook (i.e. around Twenties and Hengrove Farm).
- D. Around A255 between Westwood and Northdown.
- E. Between Minster and Cliffsend.
- F. Between Minster and Gore Street.
- G. Northern side of Stour Valley.
- H. Southern side of Stour Valley.

Zone of Theoretical Visibility

- Proposed operational elements may be visible

- Note:**
1. The ZTV takes into account the screening effects of both vegetation and structures.
 2. Woodland exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 10m.
 3. Building exclusion zones have been derived from OS Vectormap District and have been modelled at a height of 7.5m.
 4. Thanet earth greenhouse exclusion zones have been derived from OS Mastermap and have been modelled at a height of 12m.

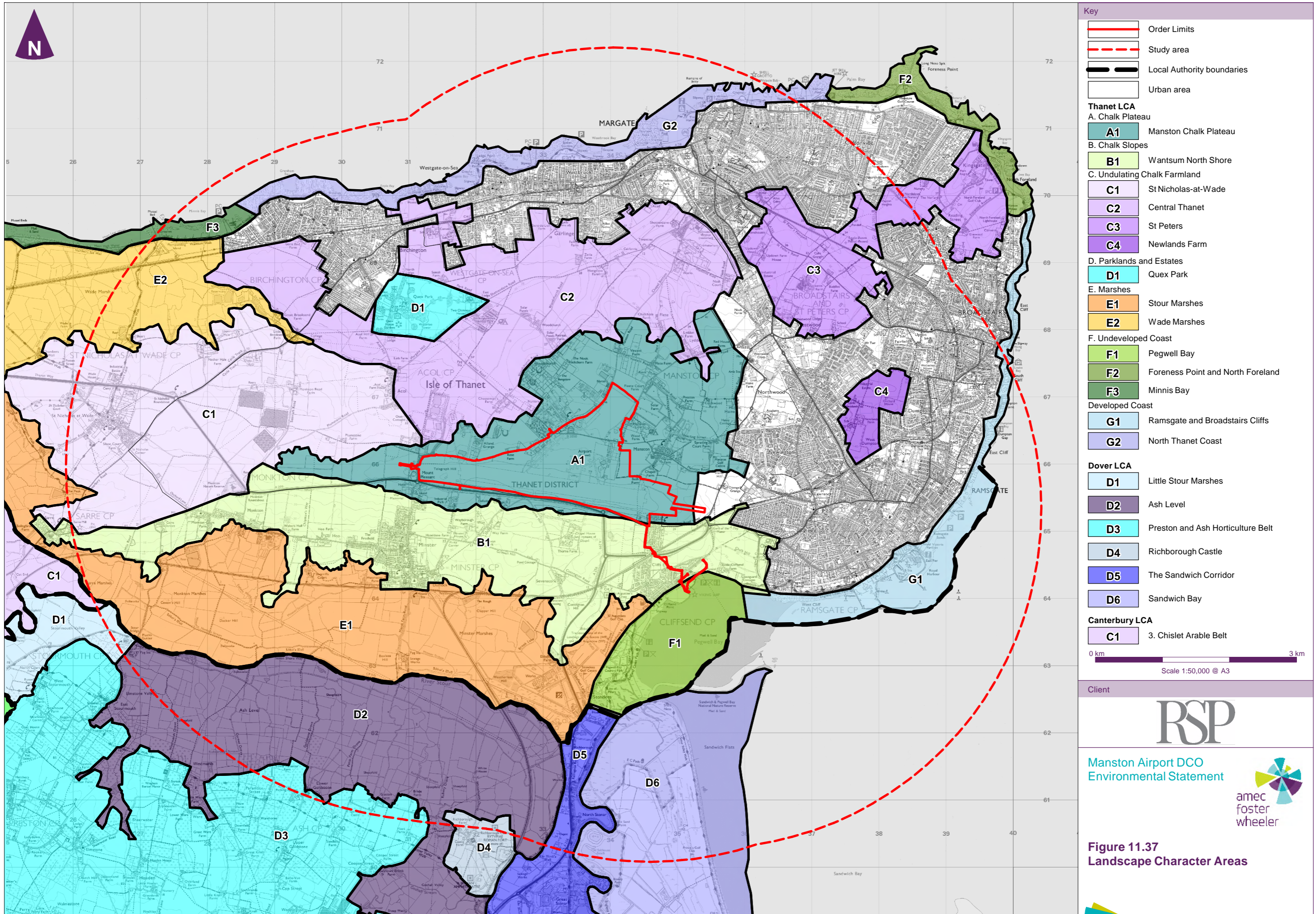
0 km 3 km

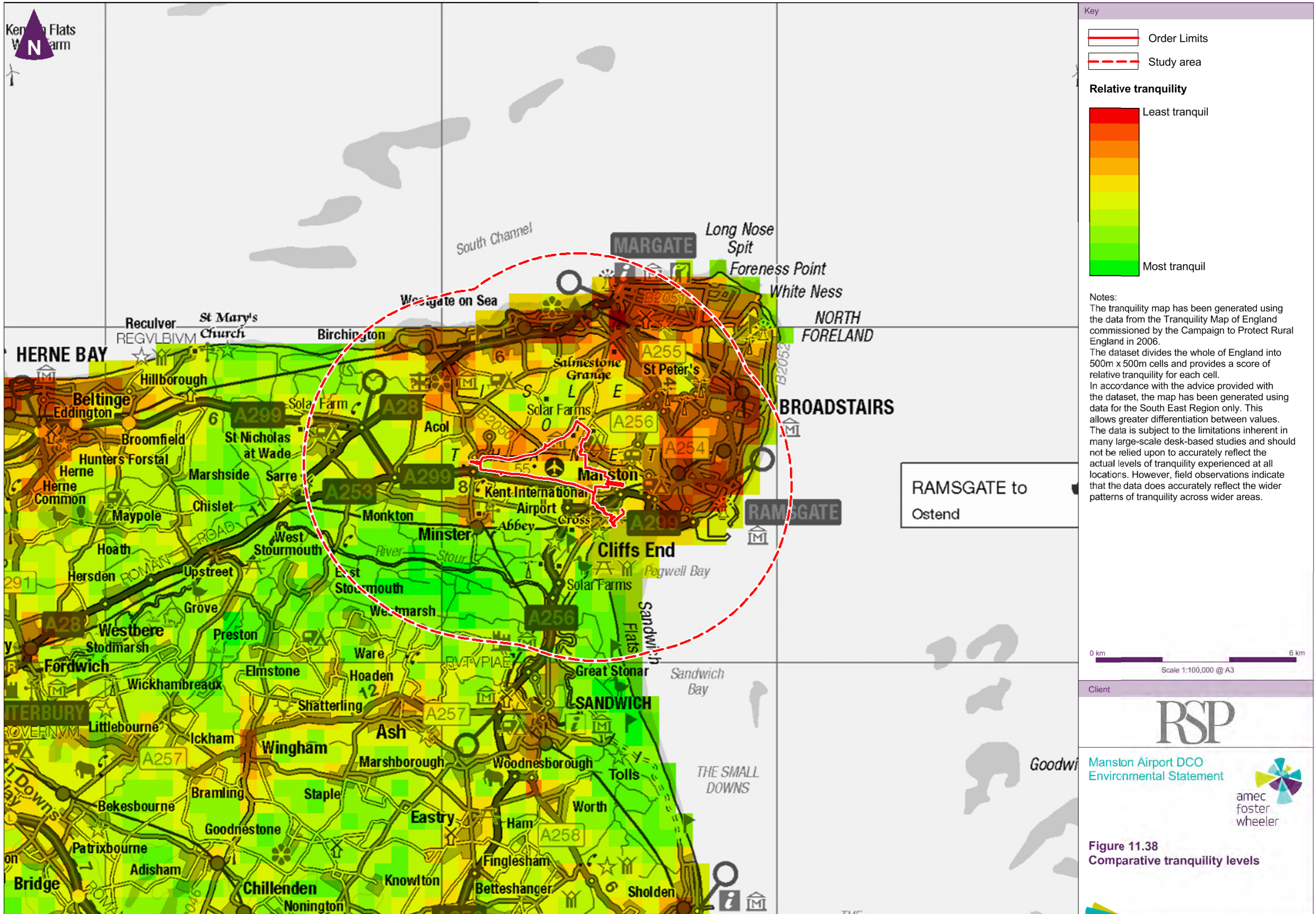
Scale 1:50,000 @ A3

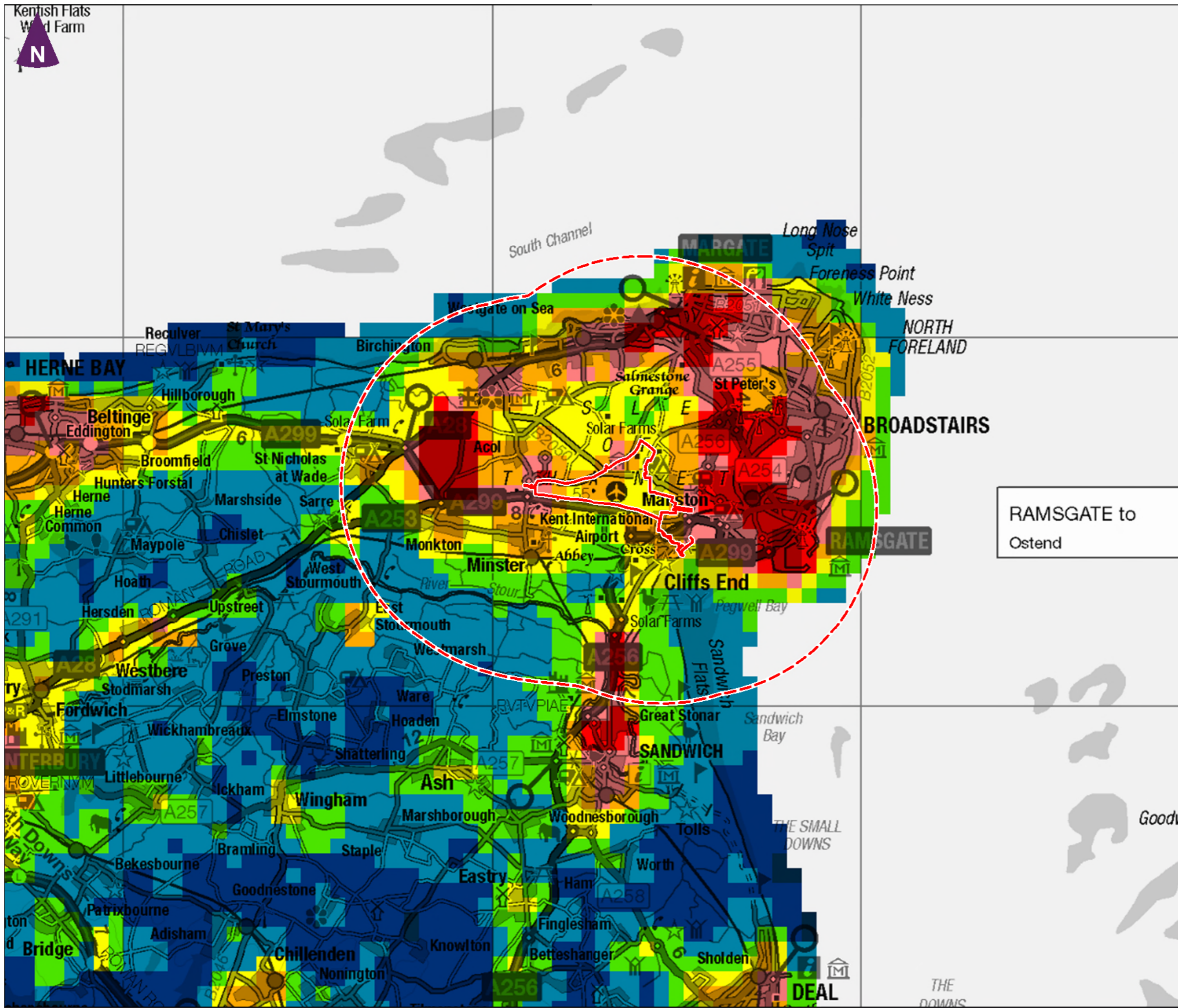
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Figure 11.36
Individual and groups of Public Rights of Way whose users are included in Visual Assessment







Key

- Order Limits
- Study area

Level of Radiance

Darkest	Categories	Brightness values (in $nw/cm^2/sr$)
Dark Blue	Colour band 1	<0.25
Blue	Colour band 2	0.25 - 0.5
Light Blue	Colour band 3	0.5 - 1
Green	Colour band 4	1 - 2
Yellow-Green	Colour band 5	2 - 4
Yellow	Colour band 6	4 - 8
Orange	Colour band 7	8 - 16
Red-Orange	Colour band 8	16 - 32
Brightest	Colour band 9	>32

Notes:
 The night-time lighting map has been generated using the data for the national map of England's light pollution produced by LUC on behalf of the Campaign to Protect Rural England in 2016.
 The data is derived from satellite observations made in September 2015 (Earth Observation Group, NOAA National Geophysical Data Center. Data processed by LUC on behalf of CPRE). The data is displayed on a 250m x 250m grid.

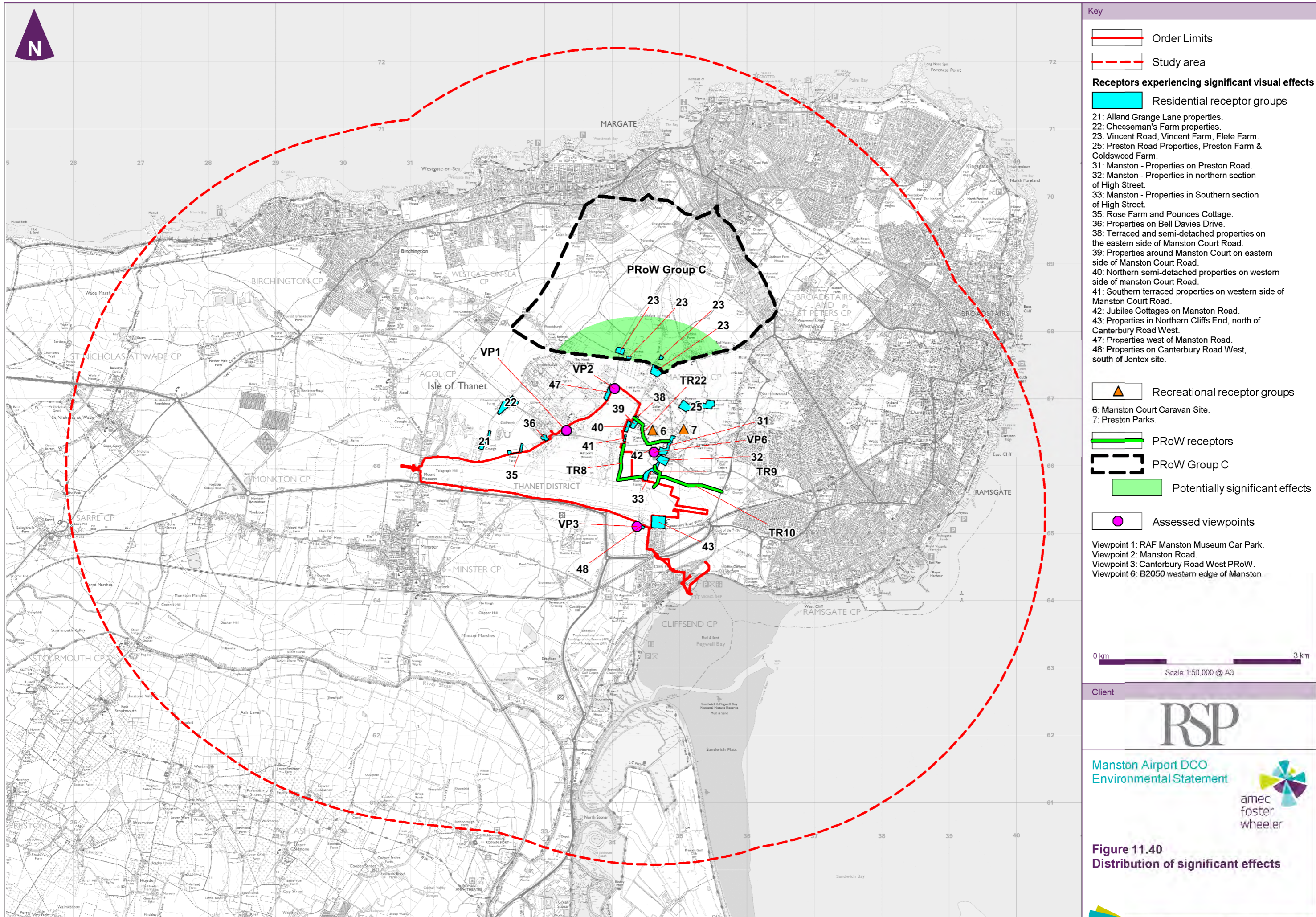


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Manston Airport DCO Environmental Statement

Figure 11.39
 Comparative light pollution levels

Based upon Ordnance Survey Map with the permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright. 100001776



Key

- Order Limits
- Study area

Receptors experiencing significant visual effects

- Residential receptor groups
- 21: Alland Grange Lane properties.
- 22: Cheeseman's Farm properties.
- 23: Vincent Road, Vincent Farm, Flete Farm.
- 25: Preston Road Properties, Preston Farm & Coldwood Farm.
- 31: Manston - Properties on Preston Road.
- 32: Manston - Properties in northern section of High Street.
- 33: Manston - Properties in Southern section of High Street.
- 35: Rose Farm and Pounces Cottage.
- 36: Properties on Bell Davies Drive.
- 38: Terraced and semi-detached properties on the eastern side of Manston Court Road.
- 39: Properties around Manston Court on eastern side of Manston Court Road.
- 40: Northern semi-detached properties on western side of manston Court Road.
- 41: Southern terraced properties on western side of Manston Court Road.
- 42: Jubilee Cottages on Manston Road.
- 43: Properties in Northern Cliffs End, north of Canterbury Road West.
- 47: Properties west of Manston Road.
- 48: Properties on Canterbury Road West, south of Jentex site.

- Recreational receptor groups

- 6: Manston Court Caravan Site.
- 7: Preston Parks.

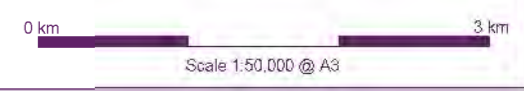
- PRoW receptors

- PRoW Group C

- Potentially significant effects

- Assessed viewpoints

- Viewpoint 1: RAF Manston Museum Car Park.
- Viewpoint 2: Manston Road.
- Viewpoint 3: Canterbury Road West PRoW.
- Viewpoint 6: B2050 western edge of Manston.



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Figure 11.40
Distribution of significant effects