The Great Grid Upgrade

North Humber to High Marnham

NHHM-AEC-ONS-REP-0040

North Humber to High Marnham

Volume 6: Environmental Statement

Document 6.7.F2 Environmental Statement Figure 7.2 - Zone of Theoretical Visibility

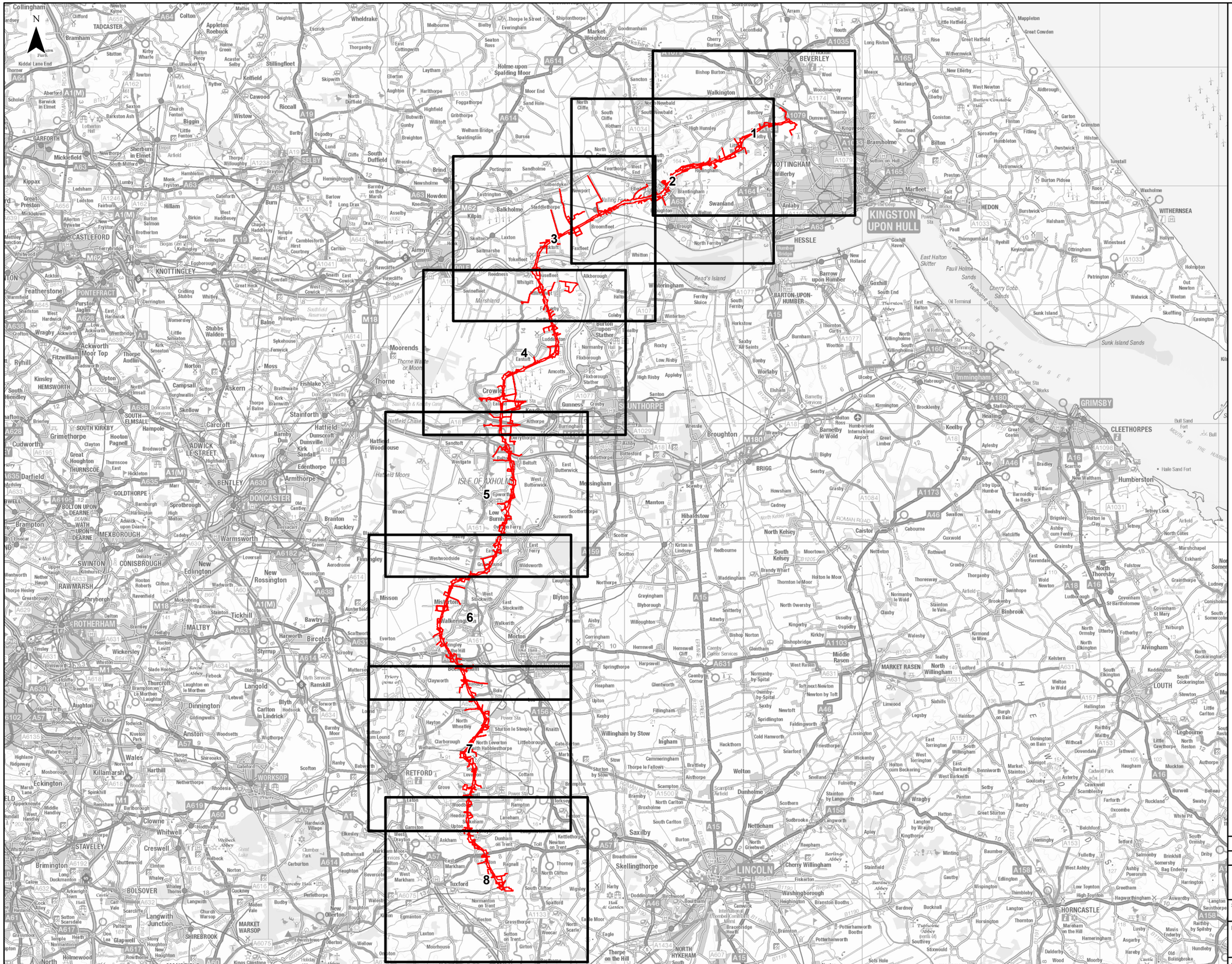
Final Issue A

October 2026

Planning Inspectorate Reference: EN020034

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(a)

nationalgrid



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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 7.2 - ZONE OF THEORETICAL VISIBILITY (ZTV) KEY PLAN

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/08/2026	AR	12/08/2026	HJ	12/08/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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Market Weighton CP
Cherry Burton CP
Sancton CP
Molescroft CP
Routh CP
Tickton CP
Beverley CP
Wawne CP
Bishop Burton CP
Newbald CP
Walkington CP
Woodmansey CP
VP A-31
VP A-01
VP A-02
4AF5
4ZQ110
4AF10
VP A-32
VP A-06
VP A-05
Rowley CP
4ZQ105
4AF15
4ZQ100
VP A-03
VP A-04
Cottingham CP
South Cave CP
VP A-12
4AF20
4ZQ95
Skidby CP
VP A-07
4AF25
4ZQ90
VP A-08b
VP A-08a
VP A-09
4AF30
4ZQ85
VP A-10
VP A-13
4AF35
4ZQ80
VP A-14
VP A-15
VP A-11
Willerby CP
VP A-33
Ellerker CP
4AF40
4ZQ75
VP A-16
VP A-20
VP A-19
VP A-18
VP A-17
Welton CP
Kirk Ella CP
Brantingham CP
Swanland CP
Anlaby with Anlaby Common CP
Elloughton-cum-Brough CP
Hessle CP
Sheet 1 and 2

0 1 2 3 4 Km

Legend

- Order Limits
- 3 km Distance Marker
- 5 km Study Area

Existing Overhead Line
- 275 kV
- 400 kV

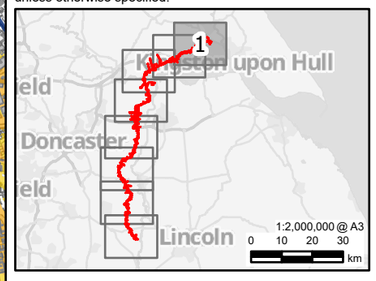
Project Design Details
- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
- Existing Lattice Pylon Not Affected
- Existing Lattice Pylon To Be Modified

Visual Technical Details
- Viewpoint Location (VP)
- Civil Parish (CP)
- Existing Building - 8 m Height
- National Forest Inventory - Woodland - 15 m Height

Zone of Theoretical Visibility (ZTV)

Number of New Pylons Partly or Entirely Visible
- 1 - 2
- 2 - 10
- 10 - 20
- 20 - 40
- 40 - 60
- 60 - 70
- 70 - 76

Zone of Theoretical Visibility (ZTV) has been generated using Environment Agency 2m (DTM). The DTM does not take into account the screening effect of vegetation, buildings and other structures. Existing buildings have been incorporated into the DTM from OS OpenMap Local buildings with assigned individual heights at an assumed height of 8m. Woodland has been incorporated into the DTM from the National Forest Inventory with an assumed height of 15m. ZTV is based upon a point at each Indicative New Lattice Pylon and Indicative New Gantry at designed heights, with an observer height of 1.6m. Visual banding is due to view of each pylon/gantry being limited to 10km.
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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 7.2 - ZONE OF THEORETICAL VISIBILITY (ZTV)

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Figure Ref:	Scale:	Format:	Sheets:	Rev:
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Sancton CP
Woodmansey CP
Walkington CP
Newbald CP
South Cliffe CP
Hotham CP
Rowley CP
Cottingham CP
Skidby CP
North Cave CP
South Cave CP
Willerby CP
Kirk Ella CP
Newport CP
Brantingham CP
Elloughton-cum-Brough CP
Welton CP
Swanland CP
Anlaby with Anlaby Common CP
Ellerker CP
Broomfleet CP
Hessle CP
Blacktoft CP
North Ferriby CP
Whitton CP

VP A-01
VP A-02
VP A-03
VP A-04
VP A-05
VP A-06
VP A-07
VP A-08a
VP A-08b
VP A-09
VP A-10
VP A-11
VP A-12
VP A-13
VP A-14
VP A-15
VP A-16
VP A-17
VP A-18
VP A-19
VP A-20
VP A-21
VP A-22a
VP A-22b
VP A-23
VP A-25
VP A-26
VP A-27
VP A-28
VP A-33

4AF10
4ZQ105
4AF15
4ZQ100
4AF20
4ZQ95
4AF25
4ZQ90
4AF30
4ZQ85
4AF35
4ZQ80
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4ZQ75
4AF45
4ZQ70
4AF50
4ZQ65
4AF55
4ZQ60
4AF60
4ZQ55
4AF65
4ZQ50

Sheet 1 and 2
Sheet 2 and 3

Legend

- Order Limits
- 3 km Distance Marker
- 5 km Study Area
- Route Section

Existing Overhead Line
- 400 kV

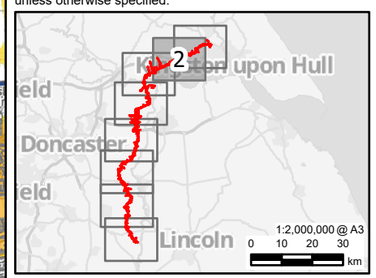
Project Design Details
- Indicative New Overhead Line
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- Existing Overhead Line to be Reconductored
- Existing Overhead Line to be Dismantled
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0 1 2 3 4 Km

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Holme upon Spalding Moor CP
Spaldington CP
Wressle CP
North Cave CP
Newport CP
VP A-23
Eastrington CP
Gilberdyke CP
VP A-24
South Cave CP
VP A-20
VP A-18
Howden CP
VP A-21
4AF50
4ZQ70
4ZQ65
VP A-22a
VP A-22b
4AF55
4ZQ60
Brantingham CP
Ellerker CP
Kilpin CP
4AF60
4ZQ55
VP A-25
Broomfleet CP
4AF65
4ZQ50
Blacktoft CP
4AF70
4ZQ45
VP A-26
Hook CP
Laxton CP
4AF75
4ZQ40
VP B-02
VP A-28
VP A-27
Goole CP
VP B-03
VP B-01
VP A-29
Whitton CP
Route Section A
Route Section B
VP B-04
VP B-05
VP B-06
4ZQ35
4AF80
Winteringham CP
VP A-30
Alkborough CP
Twin Rivers CP
4ZQ30
VP B-07
4AF85
Swinefleet CP
Reedness CP
Sheet 3 and 4
West Halton CP
Goole Fields CP
Garthorpe and Fockerby CP
4ZQ25
4AF90
Winterton CP
VP B-08
Luddington and Haldenby CP
Sheet 2 and 3
Stather CP

Legend

- Order Limits
- 3 km Distance Marker
- 5 km Study Area
- Route Section

Existing Overhead Line
- 400 kV

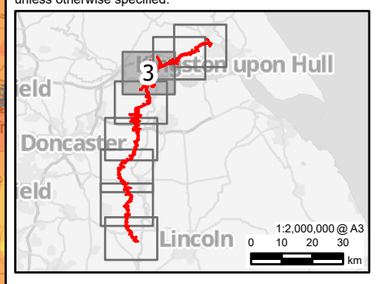
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Scheme: NORTH HUMBER TO HIGH MARNHAM

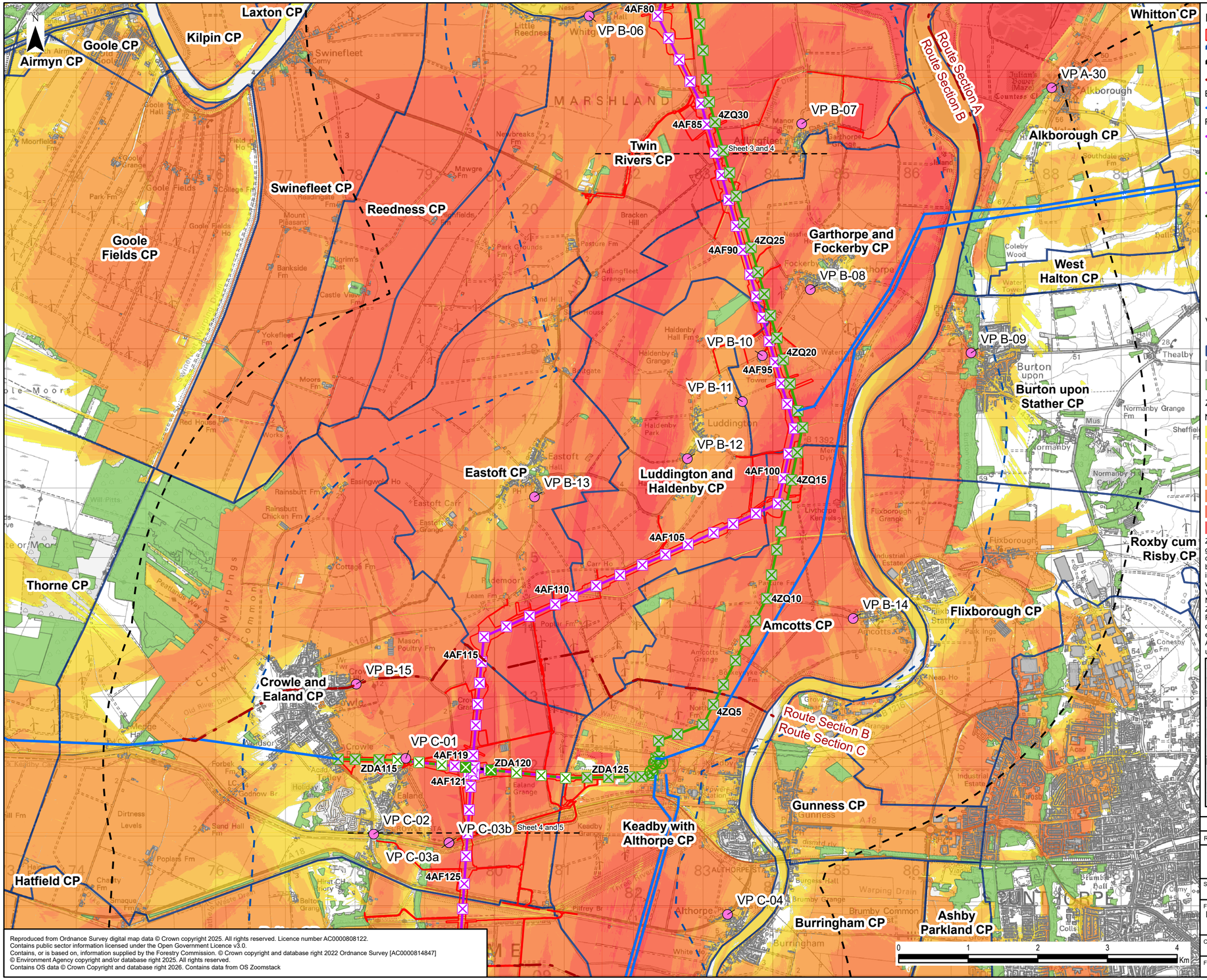
Figure Title: FIGURE 7.2 - ZONE OF THEORETICAL VISIBILITY (ZTV)

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ID	12/08/2026	AR	12/08/2026	HJ	12/08/2026

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Legend

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- Route Section

Existing Overhead Line
- 400 kV

Project Design Details
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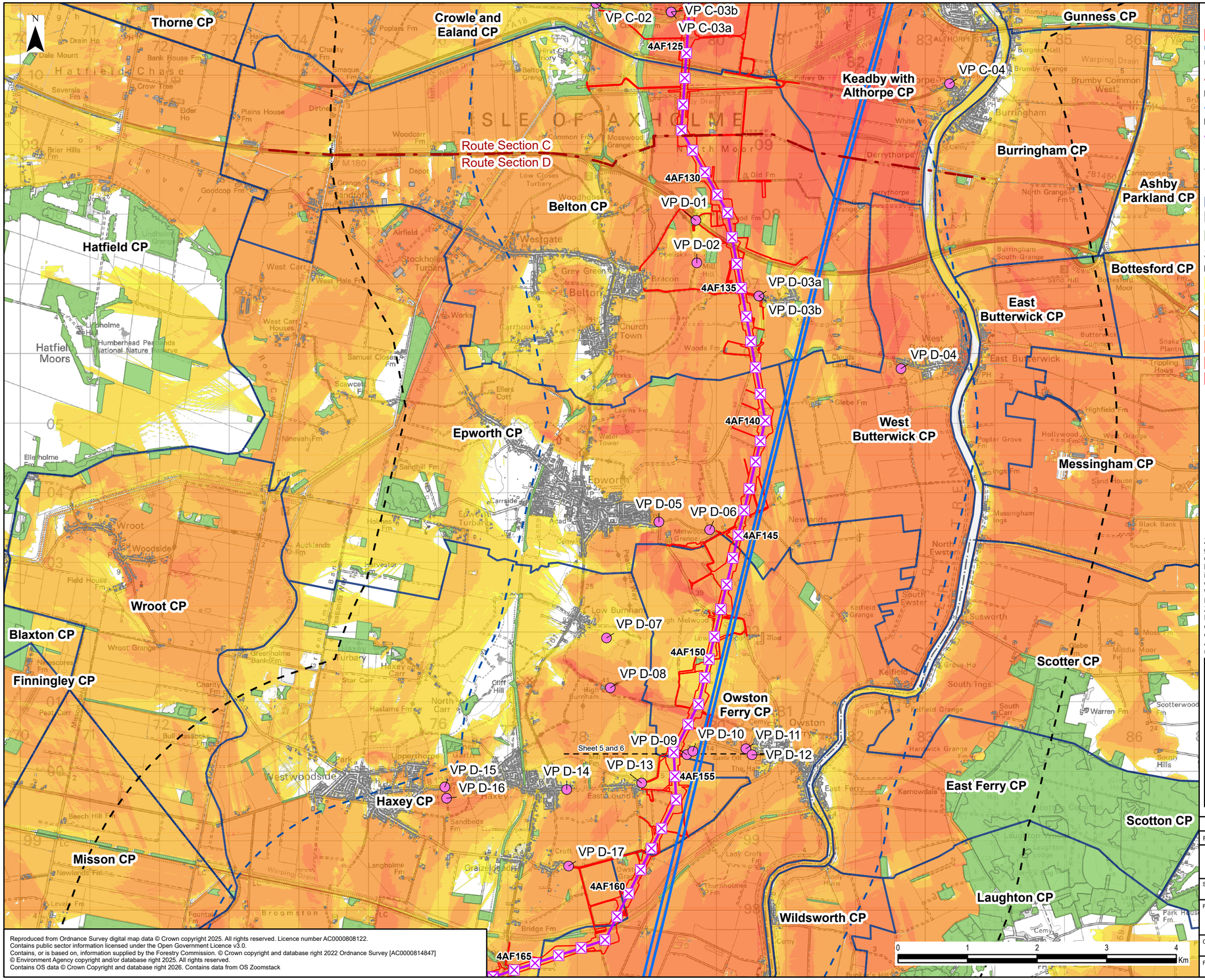
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Legend

- Order Limits
- 3 km Distance Marker
- 5 km Study Area
- Route Section

Existing Overhead Line
- 400 kV

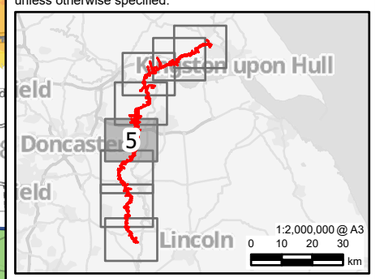
Project Design Details
- Indicative New Overhead Line
- Indicative New Lattice Pylon

Visual Technical Details
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- Existing Building - 8 m Height
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Scheme: NORTH HUMBER TO HIGH MARNHAM

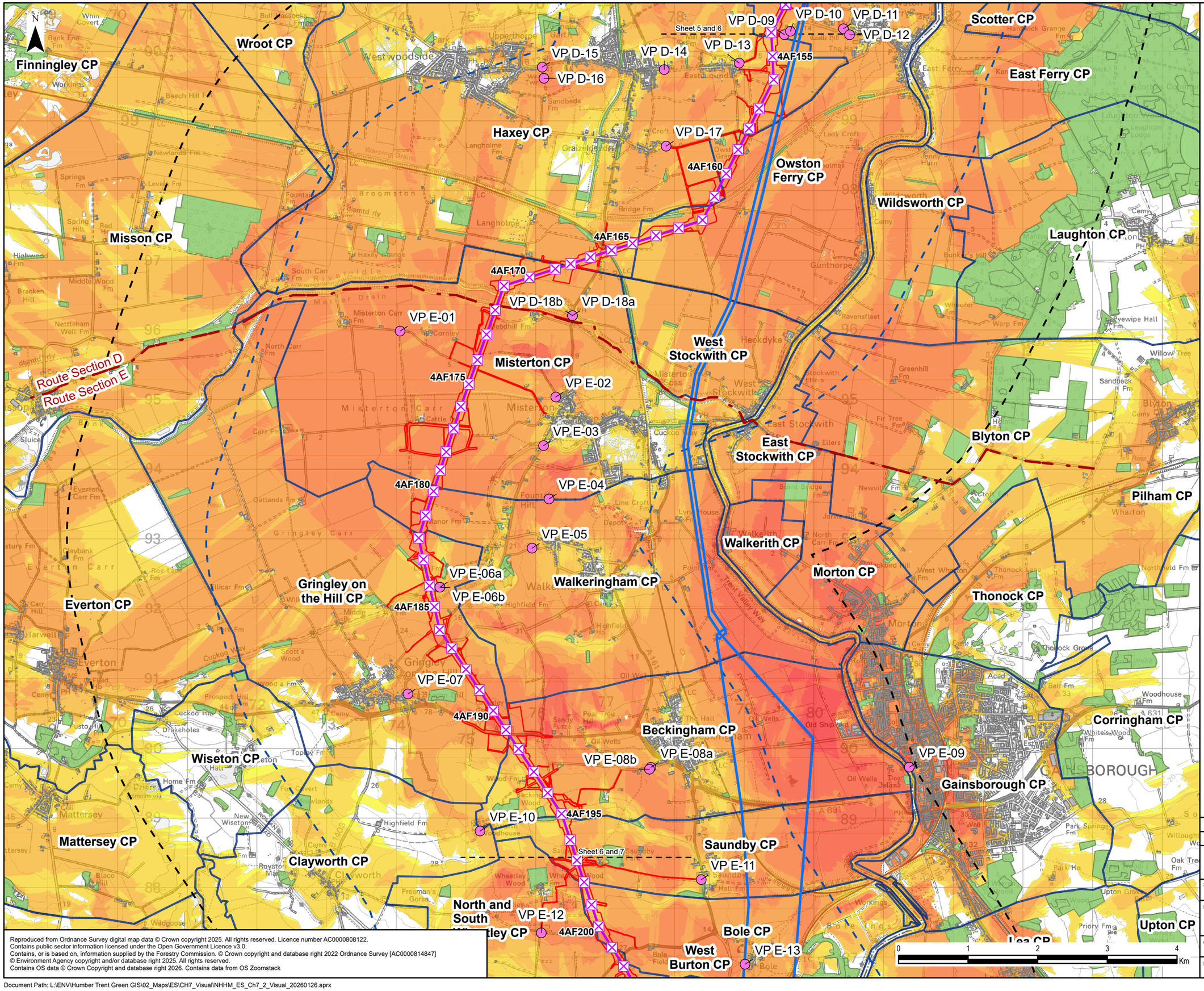
Figure Title: FIGURE 7.2 - ZONE OF THEORETICAL VISIBILITY (ZTV)

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Legend

- Order Limits
- 3 km Distance Marker
- 5 km Study Area
- Route Section

Existing Overhead Line
- 400 kV

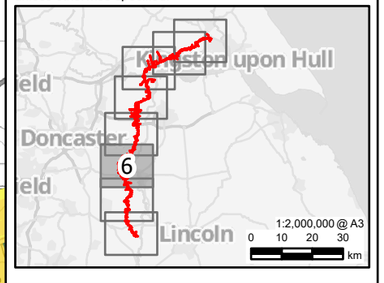
Project Design Details
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- Viewpoint Location (VP)
- Civil Parish (CP)
- Existing Building - 8 m Height
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Everton CP
Wiseton CP
Mattersey CP
Clayworth CP
Gringley on the Hill CP
Beckingham CP
Saundby CP
Corringham CP
Gainsborough CP
VP E-10
4AF195
Sheet 6 and 7
VP E-11
VP E-12
4AF200
Bole CP
VP E-13
North and South Wheatley CP
Upton CP
Lea CP
Lound CP
VP E-14
4AF205
West Burton CP
Kexby CP
Hayton CP
VP E-15
Willingham CP
Knaith CP
Sutton CP
VP E-16
4AF210
Sturton le Steeple CP
VP E-17a
VP E-17b
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Clarborough and Welham CP
Gate Burton CP
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VP E-18
VP E-20
North Leverton with Habblesthorpe CP
VP E-19
VP E-21
Marton CP
Babworth CP
VP E-23b
VP E-23a
VP E-22a
VP E-22b
4AF225
South Leverton CP
Cottam CP
Brampton CP
Grove CP
VP E-24
VP E-25
VP E-26
VP E-27
Treswell CP
4AF230
VP E-28
Torksey CP
VP E-29
Rampton and Woodbeck CP
Eaton CP
Headon cum Upton CP
4AF235
Sheet 7 and 8
VP E-31
Stokeham CP
VP E-30
Laneham CP
Fenton CP
Gamston CP
VP E-35
East Drayton CP
VP E-32
Kettlethorpe CP
Dunham-on-Trent CP
0 1 2 3 4 Km

Legend

- Order Limits
- 3 km Distance Marker
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- Route Section

Existing Overhead Line
- 400 kV

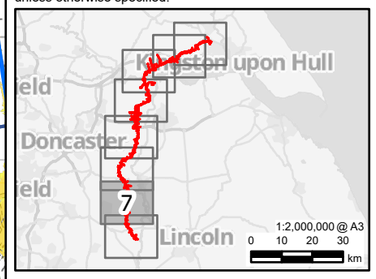
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- 2 - 10
- 10 - 20
- 20 - 40
- 40 - 60
- 60 - 70
- 70 - 76

Zone of Theoretical Visibility (ZTV) has been generated using Environment Agency 2m (DTM). The DTM does not take into account the screening effect of vegetation, buildings and other structures. Existing buildings have been incorporated into the DTM from OS OpenMap Local buildings with assigned individual heights at an assumed height of 8m. Woodland has been incorporated into the DTM from the National Forest Inventory with an assumed height of 15m. ZTV is based upon a point at each Indicative New Lattice Pylon and Indicative New Gantry at designed heights, with an observer height of 1.6m. Visual banding is due to view of each pylon/gantry being limited to 10km.
All heights mentioned above are above ground level (AGL) unless otherwise specified.



Rev	Date	Description	GIS	Chk	App
0	12/08/2026	ENVIRONMENTAL STATEMENT	ID	AR	HJ

nationalgrid

Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 7.2 - ZONE OF THEORETICAL VISIBILITY (ZTV)

Creator:	Date:	Checker:	Date:	Approver:	Date:
ID	12/08/2026	AR	12/08/2026	HJ	12/08/2026

Figure Ref:	Scale:	Format:	Sheets:	Rev:
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Treswell CP
VP E-29
VP E-28
Rampton and Woodbeck CP
Torksey CP
Eaton CP
4AF235
Headon cum Upton CP
Sheet 7 and 8
VP E-31
Stokeham CP
VP E-30
Fenton CP
Laneham CP
Hardwick CP
VP E-35
Gamston CP
East Drayton CP
VP E-32
Elkesley CP
4AF240
VP E-33
Kettlethorpe CP
Askham CP
Dunham-on-Trent CP
VP E-34
VP E-36
VP E-37
West Drayton CP
4AF245
Route Section E
Route Section F
VP E-38b
Newton on Trent CP
VP E-38a
Ragnall CP
VP F-02
East Markham CP
Bothamsall CP
VP F-01
VP F-03a
Darlton CP
4AF250
VP F-03b
Thorney CP
West Markham CP
Fledborough CP
North Clifton CP
VP F-04
VP F-05
Harby CP
Bevercotes CP
4AF255
4AF260
VP F-06
VP F-07
Walesby CP
Tuxford CP
South Clifton CP
Marnham CP
Wigsley CP
Spalford CP
Egmanton CP
Normanton on Trent CP
Kirton CP
Weston CP
Grassthorpe CP
Girton CP
North Scarle CP
Laxton and Moorhouse CP
Sutton-on-Trent CP
Ossington CP
Meering CP
Eagle and Swinethorpe CP
Carlton-on-Trent CP

Legend

- Order Limits
- 3 km Distance Marker
- 5 km Study Area
- Route Section

Existing Overhead Line
- 275 kV
- 400 kV

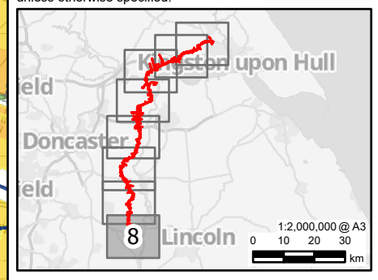
Project Design Details
- Indicative New Overhead Line
- Indicative New Gantry
- Indicative New Lattice Pylon

Visual Technical Details
- Viewpoint Location (VP)
- Civil Parish (CP)
- Existing Building - 8 m Height
- National Forest Inventory - Woodland - 15 m Height

Zone of Theoretical Visibility (ZTV)

Number of New Pylons Partly or Entirely Visible
- 1 - 2
- 2 - 10
- 10 - 20
- 20 - 40
- 40 - 60
- 60 - 70
- 70 - 76

Zone of Theoretical Visibility (ZTV) has been generated using Environment Agency 2m (DTM). The DTM does not take into account the screening effect of vegetation, buildings and other structures. Existing buildings have been incorporated into the DTM from OS OpenMap Local buildings with assigned individual heights at an assumed height of 8m. Woodland has been incorporated into the DTM from the National Forest Inventory with an assumed height of 15m. ZTV is based upon a point at each Indicative New Lattice Pylon and Indicative New Gantry at designed heights, with an observer height of 1.6m. Visual banding is due to view of each pylon/gantry being limited to 10km.
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