The Great Grid Upgrade

North Humber to High Marnham

NHHM-AEC-ONS-REP-0171

North Humber to High Marnham

Volume 6: Environmental Statement

Document 6.15.F4 Environmental Statement Figure 15.4 - Air Quality Baseline

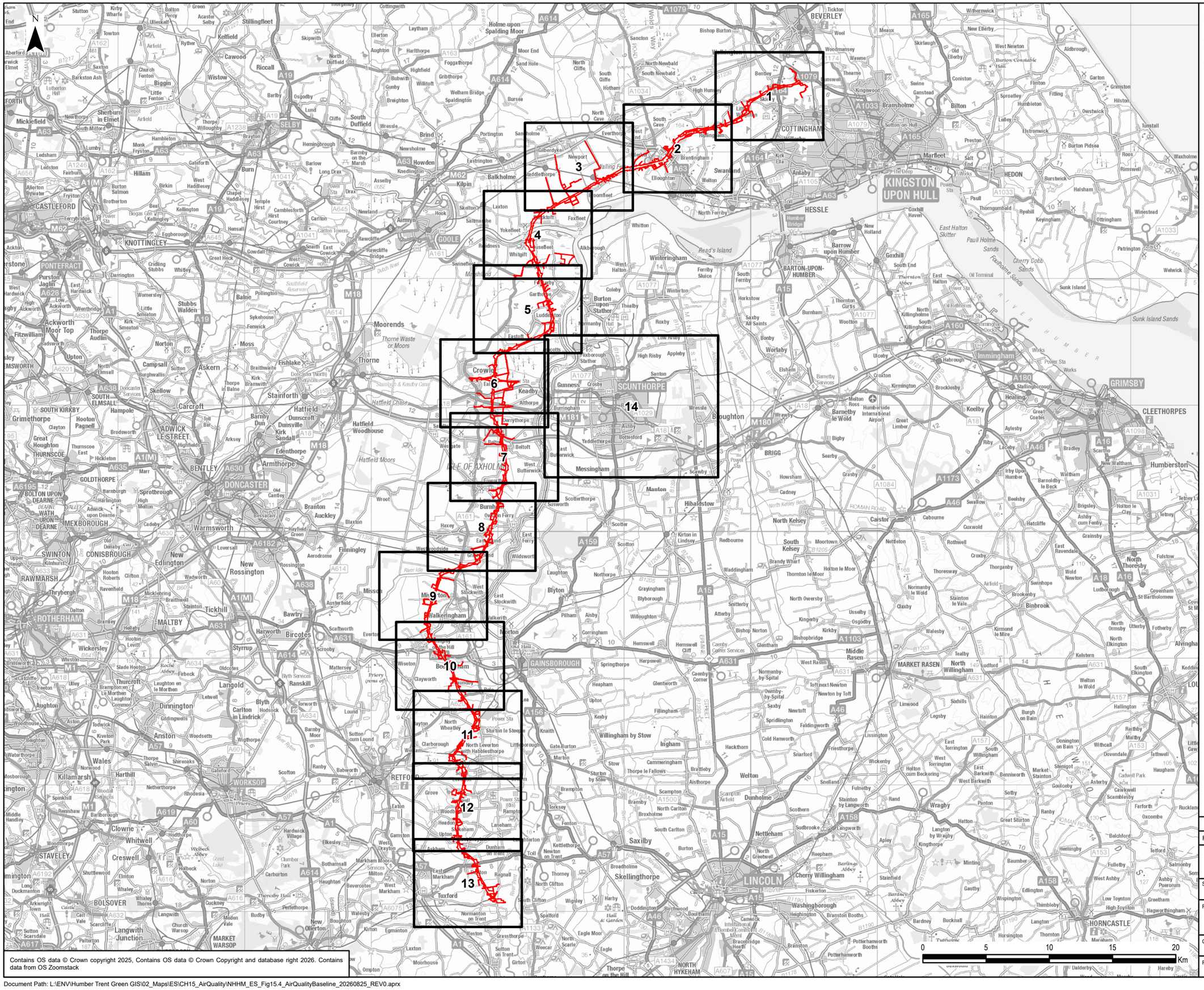
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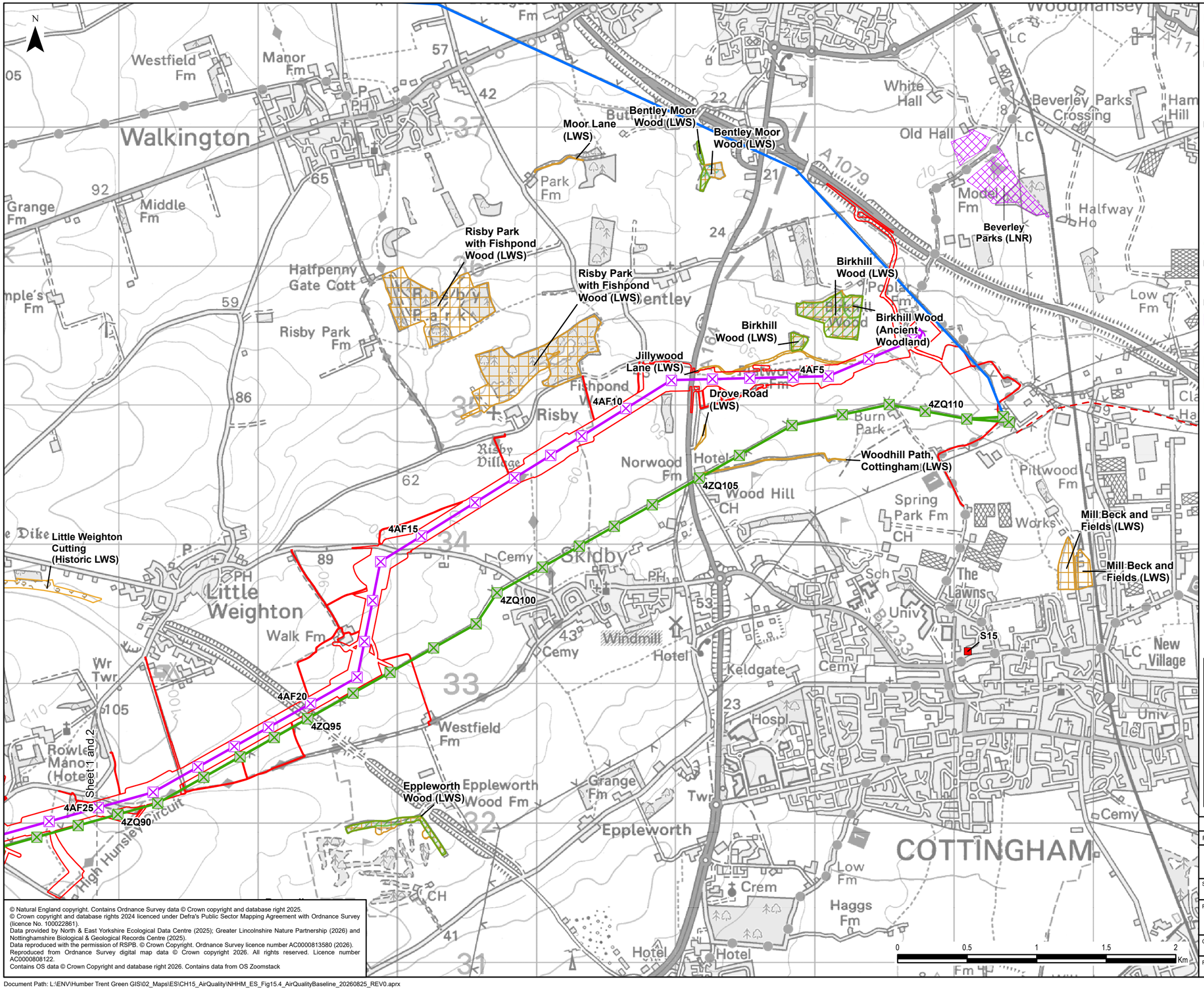
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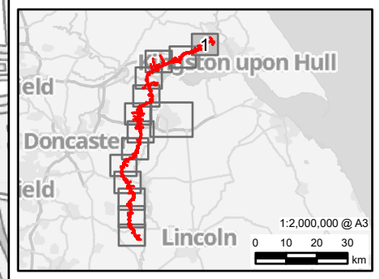
Planning Inspectorate Reference: EN020034

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

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BEVERLEY
COTTINGHAM
KINGSTON UPON HULL
HESSLE
BARTON-UPON-HUMBER
Immingham
GRIMSBY
CLEETHORPES
SCUNTHORPE
Crowle
Keadby
Althorpe
Burnham
Misterton
Walkeringham
Beckingham
GAINSBOROUGH
MARKET RASEN
LINCOLN
Saxilby
Skellingthorpe
Caistor
North Kelsey
Brigg
Scunthorpe
Doncaster
Thorne
Moorends
Goole
Selby
Knottingley
Pontefract
Castleford
Wakefield
Barnsley
Rotherham
Worksop
Retford
Gainsborough
Scunthorpe
Grimsby
Cleethorpes
Hull
Beverley
Driffield
Market Rasen
Lincoln
Brigg
Scawby
Messingham
Crowle
Thorne
Doncaster
Bentley
Armthorpe
Edenthorpe
Hatfield
Stainforth
Askern
Campsall
Norton
Moss
Fishlake
Hatfield Moors
Hatfield Chase
Isle of Axholme
Haxey
Epworth
Owston Ferry
Misterton
Walkeringham
Beckingham
Clayworth
Sturton le Steeple
North Leverton with Habblesthorpe
Retford
Grove
Tuxford
Normanton on Trent
Dunham on Trent
Ragnall
Laneham
Sutton cum Lound
Scrooby
Bawtry
Austerfield
Misson
Blyth
Carlton in Lindrick
Worksop
Harworth
Bircotes
Styrrup
Oldcotes
Langold
Dinnington
Anston
Woodsetts
Maltby
Rotherham
Wickersley
Swinton
Mexborough
Conisbrough
Rawmarsh
Thrybergh
Bolton upon Dearne
Goldthorpe
Bentley
Doncaster
Sprotbrough
Barnburgh
Harlington
Adwick upon Dearne
Adwick le Street
Carcroft
Skellow
Toll Bar
Hatfield Woodhouse
Hatfield Moors
Thorne Waste or Moors
Moorends
Thorne
Stainforth
Hatfield
Dunscroft
Dunsville
Kirk Sandall
Barnby Dun
Armthorpe
Edenthorpe
Bentley
Doncaster
Sprotbrough
Cadeby
Warmsworth
Loversall
Finningley
Aerodrome
Rossington
New Rossington
New Edlington
Wadworth
Tickhill
Braithwell
Stainton
Micklebering
Ravenfield
Hooton Roberts
Clifton
Hooton Pagnell
Brodsworth
Thurnscoe
Goldthorpe
Bolton upon Dearne
Barnburgh
Harlington





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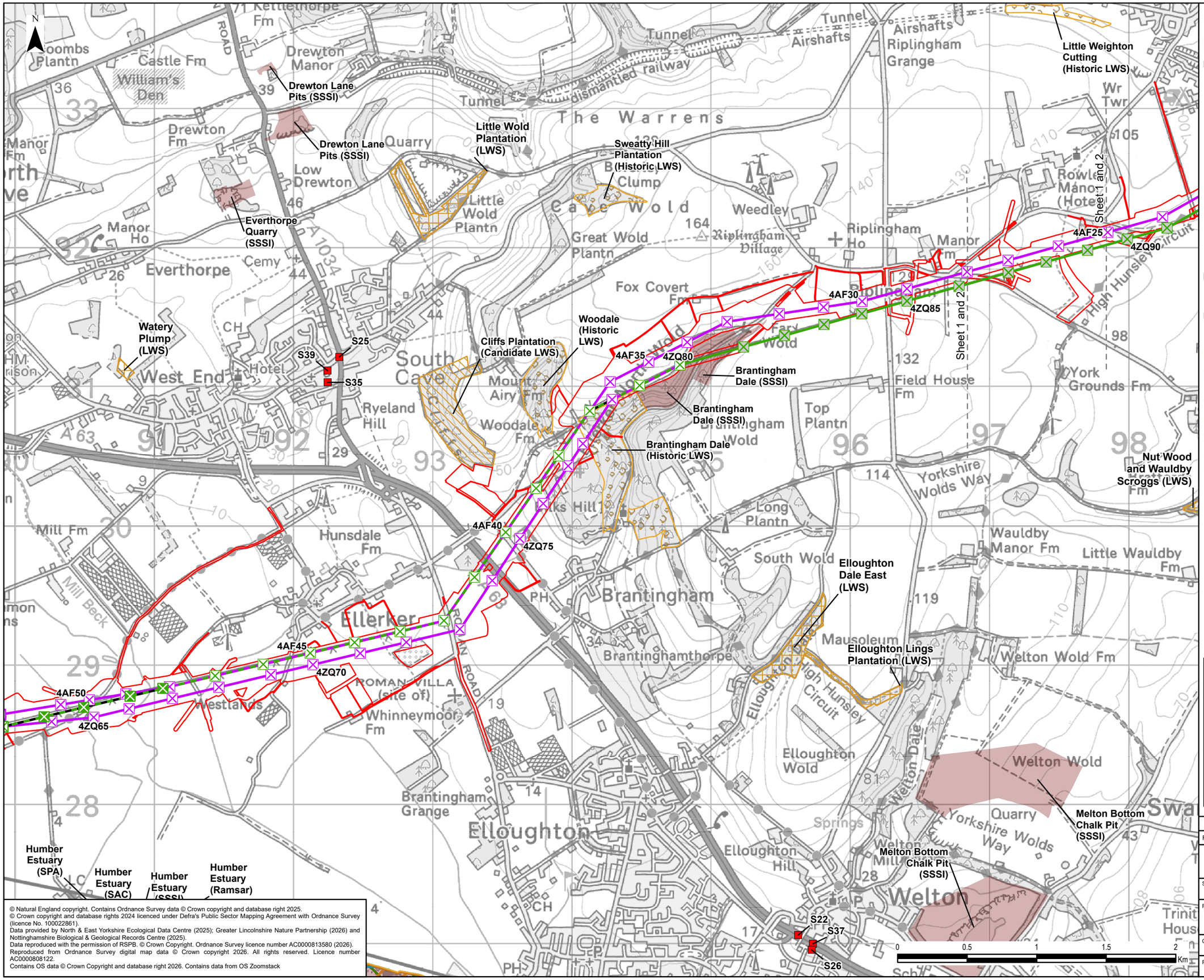
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N

Newport Pond (LWS)

Newport Brick Ponds (Historic LWS)

Ings Wood (Historic LWS)

Slipperbridge Pit (Historic LWS)

Oxmardyke Washlands (LWS)

Broomfleet Washlands (LWS)

Broomfleet Pits (LWS)

Broomfleet Pits (LWS)

Broomfleet Pits (LWS)

Humber Estuary (SPA)

Humber Estuary (Ramsar)

Humber Estuary (SAC)

Humber Estuary (SSSI)

Blacktoft Sands (RSPB Reserve)

4AF50

4ZQ65

4AF55

4ZQ60

4AF60

4ZQ55

4AF65

4ZQ50

Sheet 3 and 4

0 0.5 1 1.5 2 Km

Legend

- Order Limits

Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Existing Lattice Pylon Not Affected
- Existing Lattice Pylon To Be Modified
- Existing Lattice Pylon To Be Removed
- Existing Overhead Line Not Affected
- Existing Overhead Line to be Dismantled

Ecological Site

- Site of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)
- Ramsar Site
- Yorkshire Historic Local Wildlife Site (LWS)
- Yorkshire Local Wildlife Site (LWS)
- RSPB Reserve

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0 10 20 30 km

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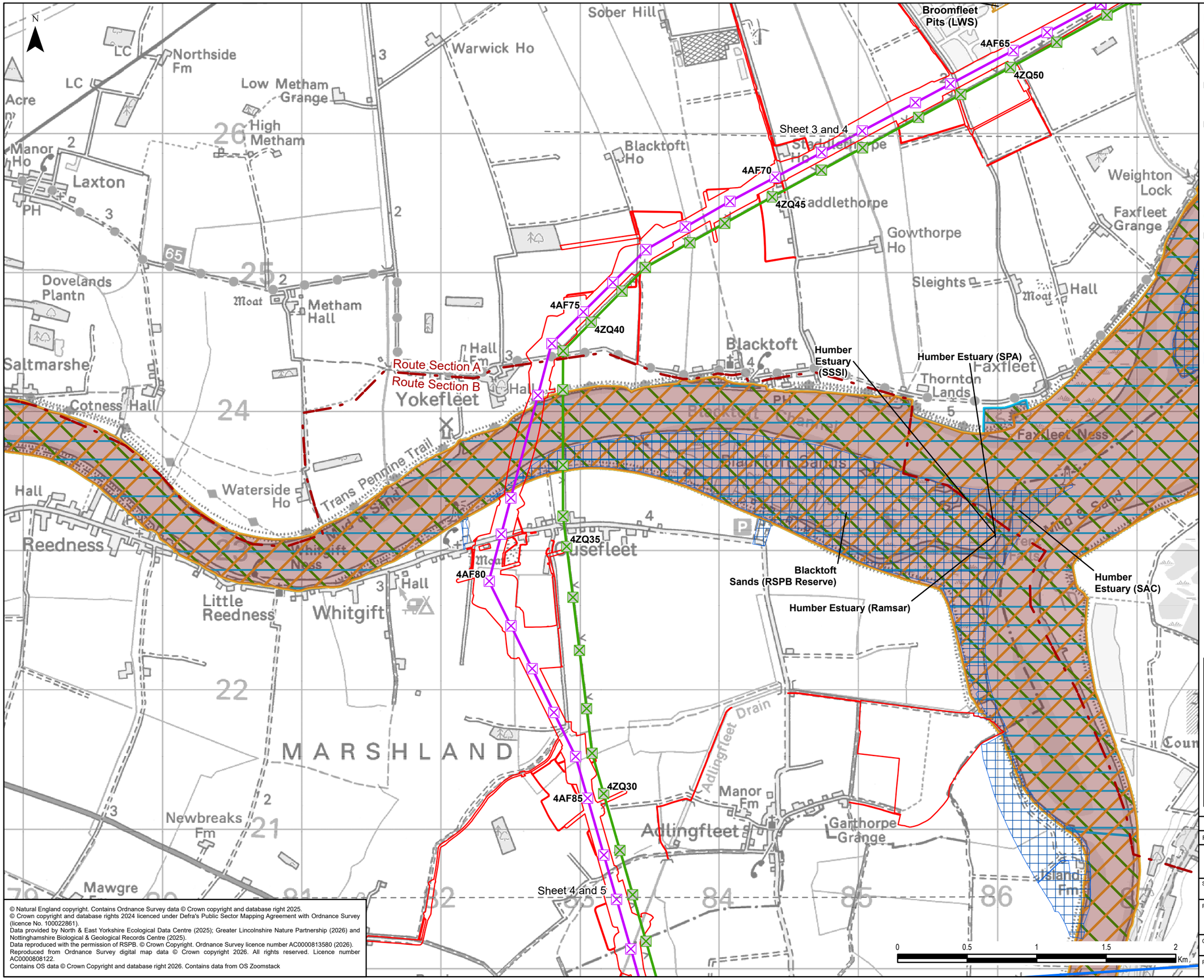
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Legend

- Order Limits
- Route Section

Existing Overhead Line

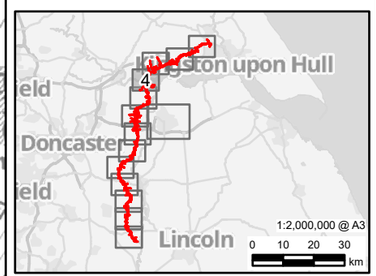
- 400 kV

Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Existing Lattice Pylon Not Affected
- Existing Overhead Line Not Affected

Ecological Site

- Site of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)
- Ramsar Site
- Yorkshire Local Wildlife Site (LWS)
- RSPB Reserve



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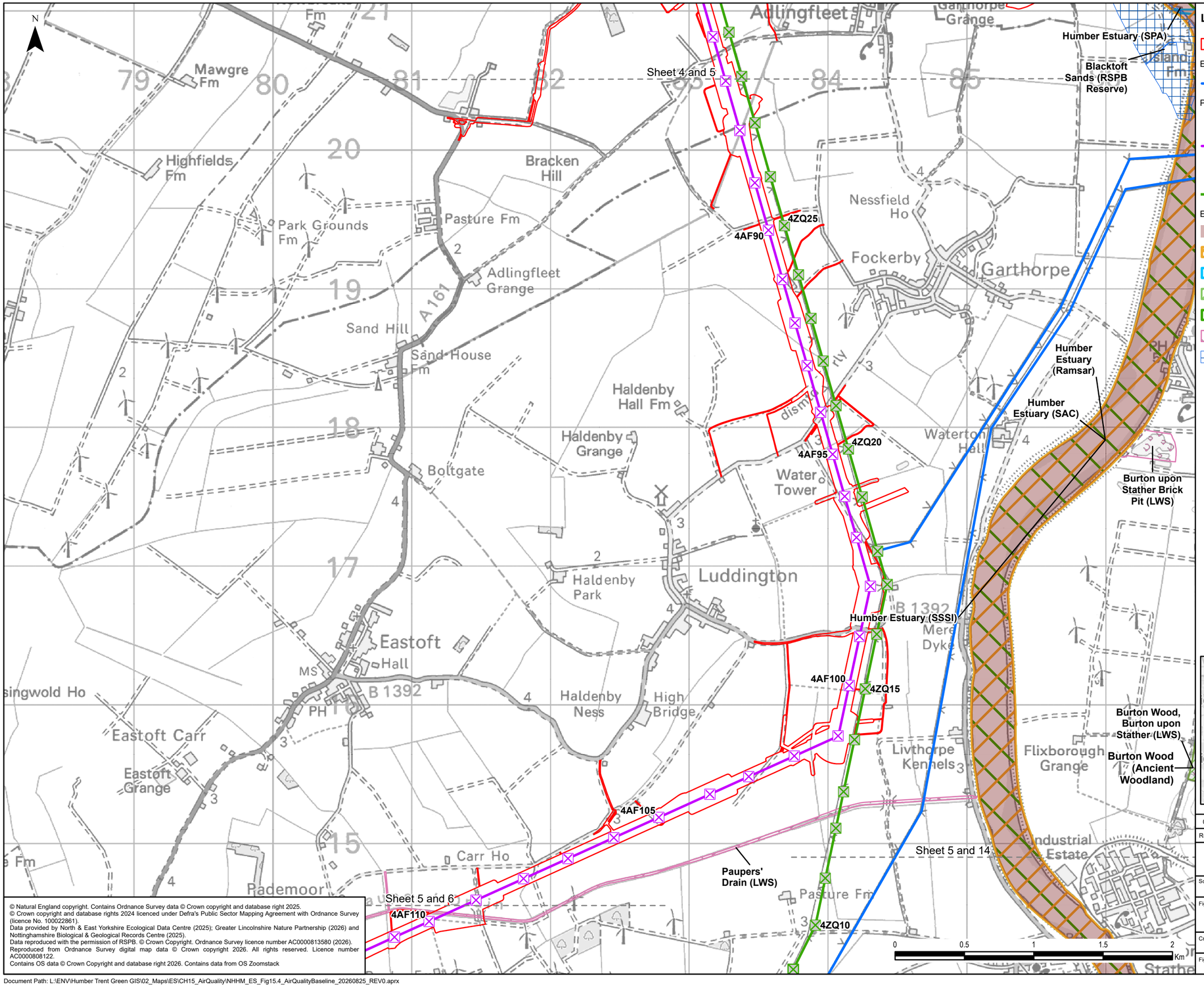
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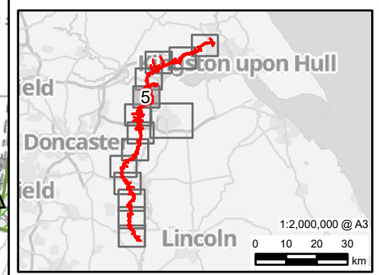
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Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Lattice Pylon
  - Indicative New Overhead Line
  - Existing Lattice Pylon Not Affected
  - Existing Overhead Line Not Affected
- Ecological Site
  - Site of Special Scientific Interest (SSSI)
  - Special Area of Conservation (SAC)
  - Special Protection Area (SPA)
  - Ancient Woodland
  - Ramsar Site
  - Lincolnshire Local Wildlife Site (LWS)
  - RSPB Reserve



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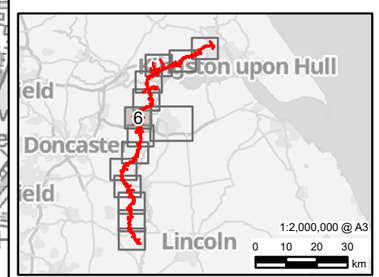
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Humberhead Peatlands (NNR)
Thorne Moor (SAC)
Thorne & Hatfield Moors (SPA)
Thorne, Crowle and Goole Moors (SSSI)
Thorne, Crowle and Goole Moors (SSSI)
Thorne, Crowle and Goole Moors (SSSI)
Blacktoft Sands (RSPB Reserve)
Eastoft Meadow (SSSI)
Sheet 5 and 6
4AF105
4AF110
4AF115
4ZQ10
Paupers' Drain (LWS)
Route Section B
Route Section C
Old Dun Drain (LWS)
New Godnow Drain West (LWS)
Crowle Brick Pits (LWS)
ZDA115
4AF119
ZDA120
4AF121
ZDA125
Keadby Boundary Drain (LWS)
Keadby Warping Drain (LWS)
4ZQ5
Keadby Wet Grassland (LWS)
Keadby Wetland (LWS)
South Soak Drain, Keadby (LWS)
Humber Estuary (Ramsar)
Humber Estuary (SAC)
Humber Estuary (SSSI)
Three Rivers (LWS)
Hatfield Waste Drain (LWS)
Crowle Borrow Pits (SSSI)
Stainforth and Keadby Canal Corridor (LWS)
Crowle Borrow Pits (SSSI)
Hatfield Chase Ditches (SSSI)
Hatfield Chase Ditches (SSSI)
4AF125
North Engine Drain, Belton (LWS)
South Engine Drain, Belton (LWS)
Folly Drain North (LWS)
River Torne (LWS)
Hatfield Chase Ditches (SSSI)
Route Section C
Route Section D
Sheet 6 and 7
4AF130
Warping Drain, Derrythorpe (LWS)
Sheet 6 and 14

Legend

- Order Limits
- Route Section
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Lattice Pylon
  - Indicative New Overhead Line
  - Existing Lattice Pylon Not Affected
  - Existing Lattice Pylon To Be Modified
  - Existing Gantry Not Affected
  - Existing Lattice Pylon To Be Removed
  - Existing Overhead Line Not Affected
  - Existing Overhead Line to be Reconductored
  - Existing Overhead Line to be Dismantled
- Ecological Site
  - National Nature Reserve (NNR)
  - Site of Special Scientific Interest (SSSI)
  - Special Area of Conservation (SAC)
  - Special Protection Area (SPA)
  - Ramsar Site
  - Lincolnshire Local Wildlife Site (LWS)
  - RSPB Reserve



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Hatfield Chase Ditches (SSSI)
Folly Drain North (LWS)
River Torne (LWS)
Hatfield Chase Ditches (SSSI)
Hatfield Chase Ditches (SSSI)
Belshaw Heath (LWS)
Belshaw (SSSI)
Belton Picnic Area (LWS)
Belton Former Landfill (LWS)
Epworth Meadows (LWS)
Route Section C
Route Section D
Warping Drain, Derrythorpe (LWS)
Sheet 6 and 7
4AF130
4AF135
South Moor Covert and Fishpond Plantation (LWS)
4AF140
4AF145
Sheet 7 and 8
Sheet 7 and 14
Common Fm
Mosswood Grange
North Moor
Low Closes Turbary
Woodhouse
Old Fm
Derrythorpe
Derrythorpe Grange
Beltoft Grange
Belwood Fm
Westgate
Obelisk
Mill Hill
Grey Green
Bracon
Belton
Church Town
Works
Woods Fm
Clouds Lane Fm
West Butterwick
East Butterwick
Burringham South Grange
Works
Ellers Cott
Lawns Fm
Glebe Fm
Water Tower
Epworth
Carrside
Epworth Turbary
Acad
Old Rectory
Melwood Grange
Newlands
Poplar Grove Fm
Ings Fm
Messingham Ings
North Ewster
Ewster
Cemy
White Ho
Kelfield Catchwater
South Field Drain
TRENT
0 0.5 1 1.5 2 Km

Legend

- Order Limits
- Route Section

Existing Overhead Line
- 400 kV

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

Ecological Site
- Local Nature Reserve (LNR)
- Site of Special Scientific Interest (SSSI)
- Lincolnshire Local Wildlife Site (LWS)

Kingston upon Hull
Doncaster
Lincoln
1:2,000,000 @ A3
0 10 20 30 km

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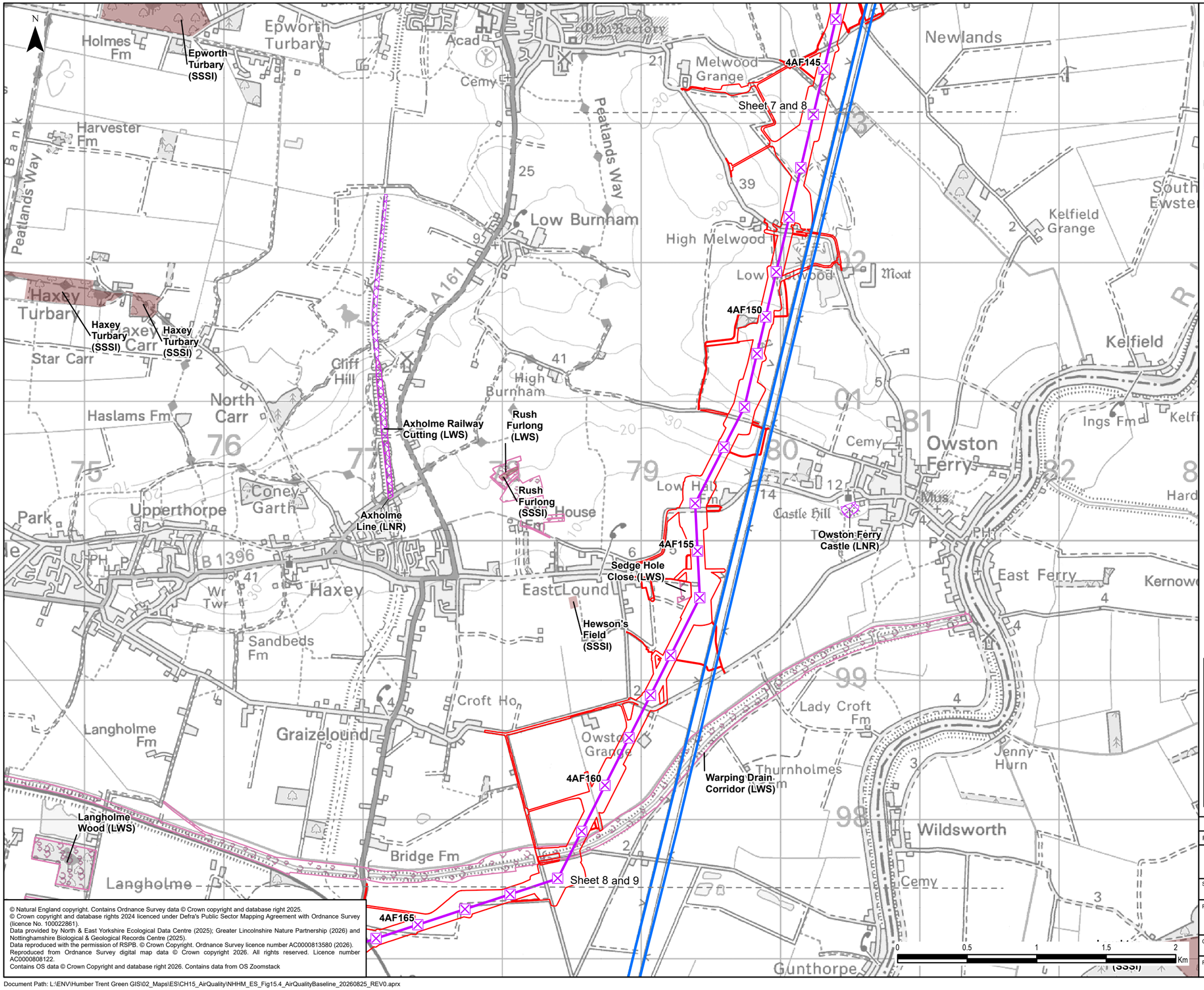
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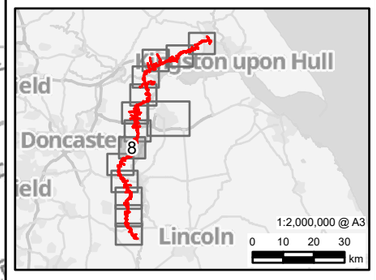
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Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Lattice Pylon
  - Indicative New Overhead Line
- Ecological Site
  - Local Nature Reserve (LNR)
  - Site of Special Scientific Interest (SSSI)
  - Lincolnshire Local Wildlife Site (LWS)



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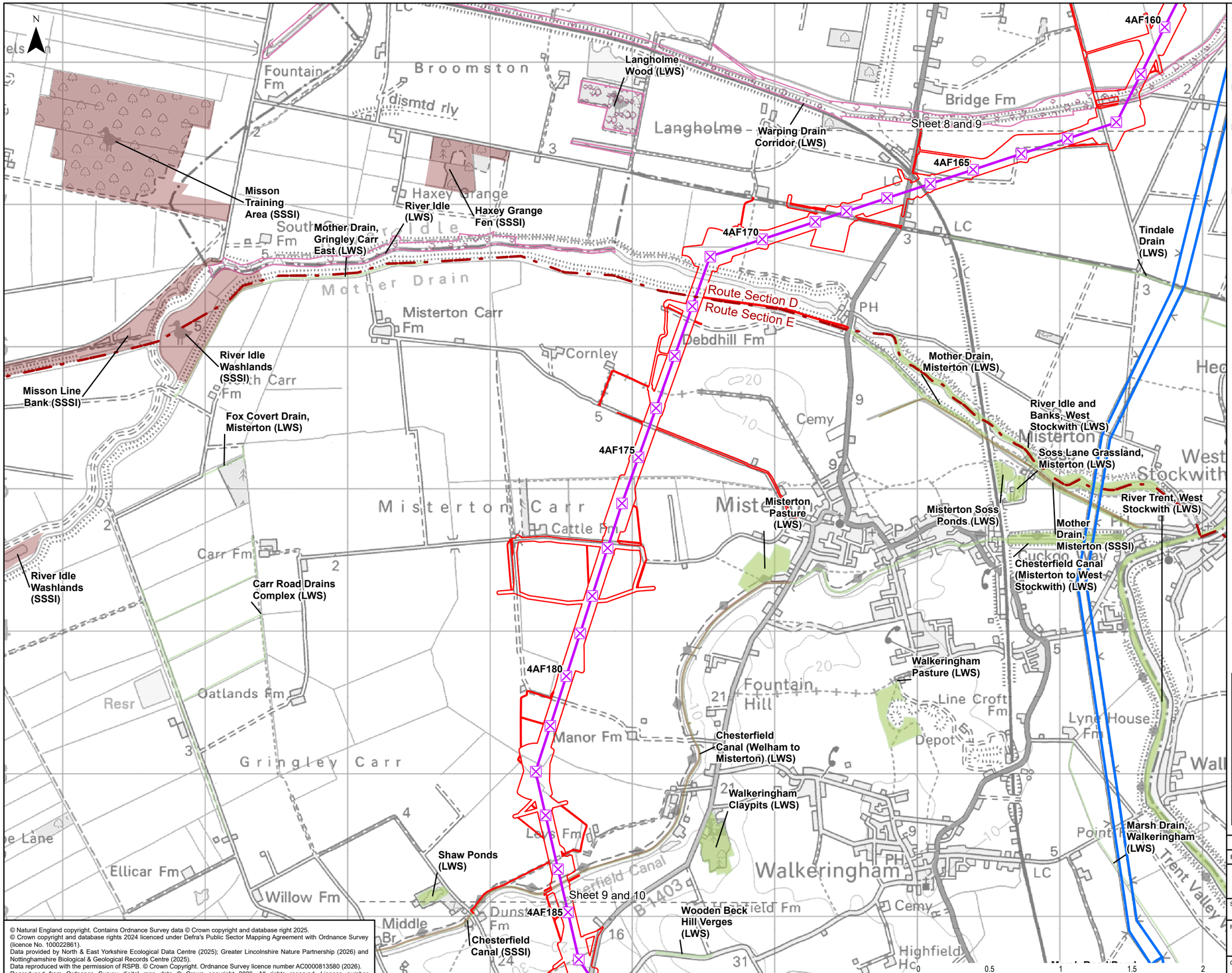
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Legend

- Order Limits
- Route Section

Existing Overhead Line
- 400 kV

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

Ecological Site
- Site of Special Scientific Interest (SSSI)
- Lincolnshire Local Wildlife Site (LWS)
- Nottinghamshire Local Wildlife Site (LWS)

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Carr Road Drains Complex (LWS)
Shaw Ponds (LWS)
Walkeringham Claypits (LWS)
Marsh Drain, Walkeringham (LWS)
Sheet 9 and 10
4AF185
Wooden Beck Hill Verges (LWS)
Chesterfield Canal (SSSI)
Scott's Wood (LWS)
Marsh Road Pond, Walkeringham (LWS)
River Trent, West Stockwith (LWS)
Mill Road Verge (LWS)
4AF190
Beckingham Old Marshes (LWS)
Chesterfield Canal (SSSI)
Lancaster Lane Hedge, Gringley (LWS)
Lover's Lane, Clayworth (LWS)
Beckingham Wood (LWS)
Clayworth Woodhouse Pond (LWS)
4AF195
Saundby Marsh Drains (LWS)
Tongs and Dogholes Woods (LWS)
Saundby Park Wood (LWS)
Wheatley Wood (Ancient Woodland)
Chesterfield Canal (Welham to Misterton) (LWS)
Mill Lane, Clayworth (LWS)
Wheatley Wood (LWS)
4AF200
Bole Ings Drains (LWS)
Bole Ings (LWS)
West Burton Power Station (LWS)
Sheet 10 and 11
Chesterfield Canal (SSSI)
4AF205

Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Lattice Pylon
  - Indicative New Overhead Line
- Ecological Site
  - Site of Special Scientific Interest (SSSI)
  - Ancient Woodland
  - Nottinghamshire Local Wildlife Site (LWS)

1:2,000,000 @ A3
0 10 20 30 km

0 0.5 1 1.5 2 Km

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Scheme: NORTH HUMBER TO HIGH MARNHAM

Figure Title: FIGURE 15.4 - AIR QUALITY BASELINE

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Chesterfield Canal (Welham to Misterton) (LWS)

Chesterfield Canal (SSSI)

Sheet 10 and 11

North Wheatley Beck (LWS)

4AF205

Muspitt Lane (LWS)

4AF210

Blue Stocking Lane, Clarborough (LWS)

High House Road Verges, Sturton le Steeple (LWS)

Maumhill Wood (LWS)

4AF215

Clarborough Gypsum Pits (LWS)

Whinley's Road Woodland (LWS)

Clarborough Tunnel (LWS)

Clarborough Tunnel (SSSI)

Caddow Wood (Southern Assarts) (LWS)

Hutchinson's Holt (LWS)

4AF220

Caddow Wood (Northern Assart) (LWS)

Retford Gate Green Lane (LWS)

Cowsland Stripe (LWS)

Plaster Hill Plantation (LWS)

Durham Hill Pasture (LWS)

Castle Hill Wood, Horse Close Plantation and Swindell

Sheet 11 and 12

4AF225

Bole Ings (LWS)

Bole Ings Drains (LWS)

Bole Ings Flood Pasture (LWS)

West Burton Power Station (LWS)

Lea Marsh (SSSI)

West Burton Reedbed (LWS)

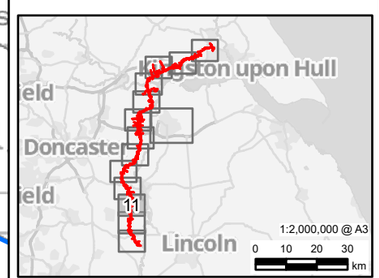
Burton Round Ditch (LWS)

West Burton Meadow (LWS)

Broad Lane Grassland, North Leverton (LWS)

Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Lattice Pylon
  - Indicative New Overhead Line
- Ecological Site
  - Site of Special Scientific Interest (SSSI)
  - Ancient Woodland
  - Nottinghamshire Local Wildlife Site (LWS)



0 0.5 1 1.5 2 Km

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Plaster Hill Plantation (LWS)
Cowsland Stripe (LWS)
Castle Hill Wood, Horse Close Plantation and Swindell Spring Wood (LWS)
Grove Road Woodland (LWS)
Castle Hill Wood (SSSI)
Castle Hill Wood (Ancient Woodland)
Treswell Wood (SSSI)
Treswell Wood (Ancient Woodland)
Grovefield Stripe (LWS)
Treswell Wood (LWS)
Beverley Spring (Ancient Woodland)
Headon Wood / School House Plantation (LWS)
Headon Verges (LWS)
Upton Notified Roadside Verge (LWS)
Askham Grassland (LWS)
Beast Wood Grassland (LWS)
Dolegate Road, East Drayton (LWS)
Retford Road Wood, Rampton (LWS)
Broad Lane Grassland, North Leverton (LWS)
Ashton's Meadow (LWS)
Ashton's Meadow (SSSI)
Bushstocks Lane Meadow (LWS)
4AF225
4AF230
4AF235
4AF240
Sheet 11 and 12
Sheet 12 and 13
Westholme
Gringley Grange
Little Gringley
Cowsland Fm
Sheds Fm
South Leverton
Grove Moor Fm
Oaklands Fm
Grove
Treswell
Forwood Fm
Stanhope Fm
Bottom Woodbeck Fm
Woodbeck
Hospl
Rampton
Children's Theme Park
Power Station
Manor Ho
Westbrecks Fm
Cottam
Nether Headon
Headon Wood
Mill Hill
Headon
Gamston Wood Fm
Upton
Hardings Fm
Stokeham
East Drayton
Field
Laneham
Church Laneham
Trentfield Fm
Holiday Park
Sluice
Laneham Field Fm
Coate
Doncaster
Lincoln
Kingston upon Hull
Resrs
PH
LC

Legend

- Order Limits
- Existing Overhead Line
  - 400 kV
- Project Design Details
  - Indicative New Lattice Pylon
  - Indicative New Overhead Line
- Ecological Site
  - Site of Special Scientific Interest (SSSI)
  - Ancient Woodland
  - Nottinghamshire Local Wildlife Site (LWS)

1:2,000,000 @ A3
0 10 20 30 km

0 0.5 1 1.5 2 Km

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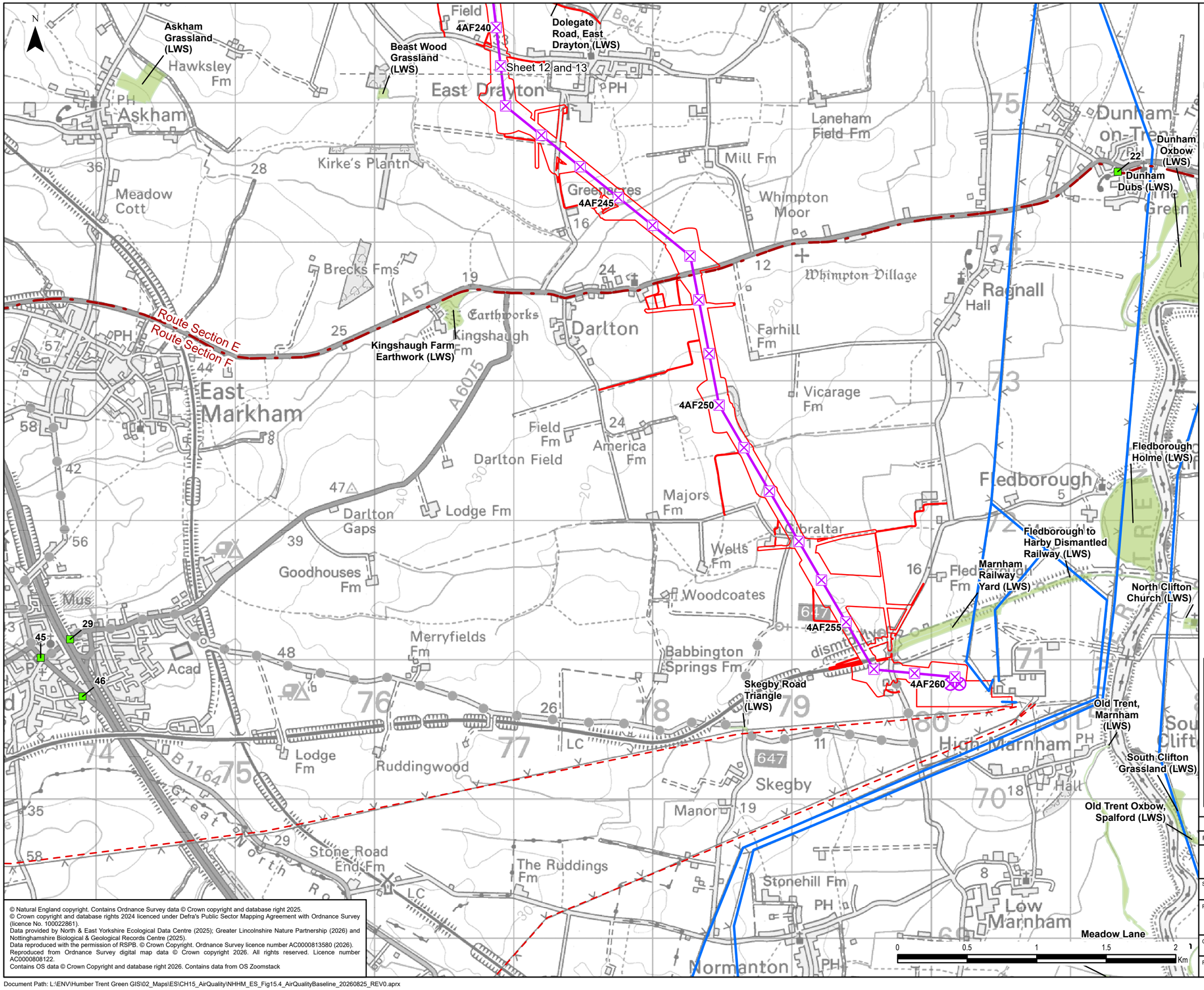
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Legend

- Order Limits
- Route Section

Existing Overhead Line

- 275 kV
- 400 kV

Project Design Details

- Indicative New Gantry
- Indicative New Lattice Pylon
- Indicative New Overhead Line

Local Authority Diffusion Tube Monitoring Site

- Bassetlaw

Ecological Site

- Nottinghamshire Local Wildlife Site (LWS)

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Paupers' Drain (LWS)

Burton Wood, Burton upon Stather (LWS)

Sheet 5 and 14

Humber Estuary (SAC)

4ZQ10

Humber Estuary (SSSI)

Humber Estuary (Ramsar)

Sheet 6 and 14

Route Section B

Route Section C

Route Section C

Route Section D

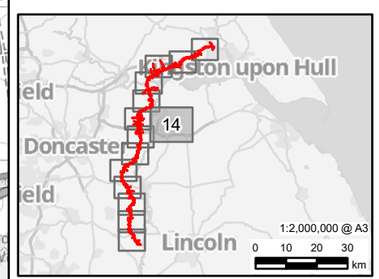
Sheet 7 and 14

SCUNTHORPE AQMA

Broughton Alder Wood (SSSI)

Legend

- Route Section
- Existing Overhead Line
  - 400 kV
  - Existing Lattice Pylon Not Affected
  - Existing Overhead Line Not Affected
- Ecological Site
  - Site of Special Scientific Interest (SSSI)
  - Special Area of Conservation (SAC)
  - Ramsar Site
  - Lincolnshire Local Wildlife Site (LWS)
- Air Quality Management Area



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