The Great Grid Upgrade

Chesterfield to Willington

Preliminary Environmental Information Report

Volume 2: Chapter 6 Landscape and Visual - Figures

March 2026

nationalgrid

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FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Legend

- Study Area (5km)
- Draft Order Limits

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative New Chesterfield Substation Site Boundary
- Indicative Statutory Undertaker Diversion Works

Notes

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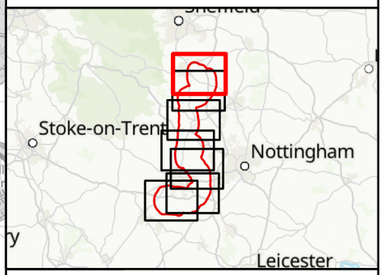

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Title

CHESTERFIELD TO WILLINGTON
LANDSCAPE AND VISUAL STUDY AREA

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Figure Number: Figure 6.1

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FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Route Section 1
Route Section 2

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
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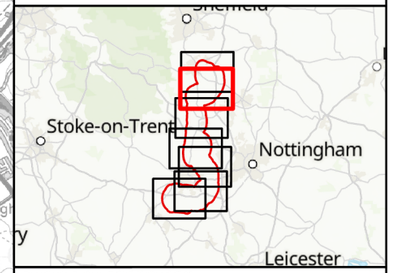

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FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA

Route Section 1
Route Section 2
Route Section 2
Route Section 3

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
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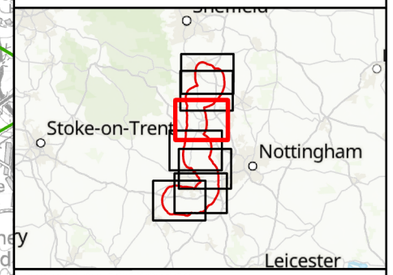

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LANDSCAPE AND VISUAL STUDY AREA

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	Figure 6.1

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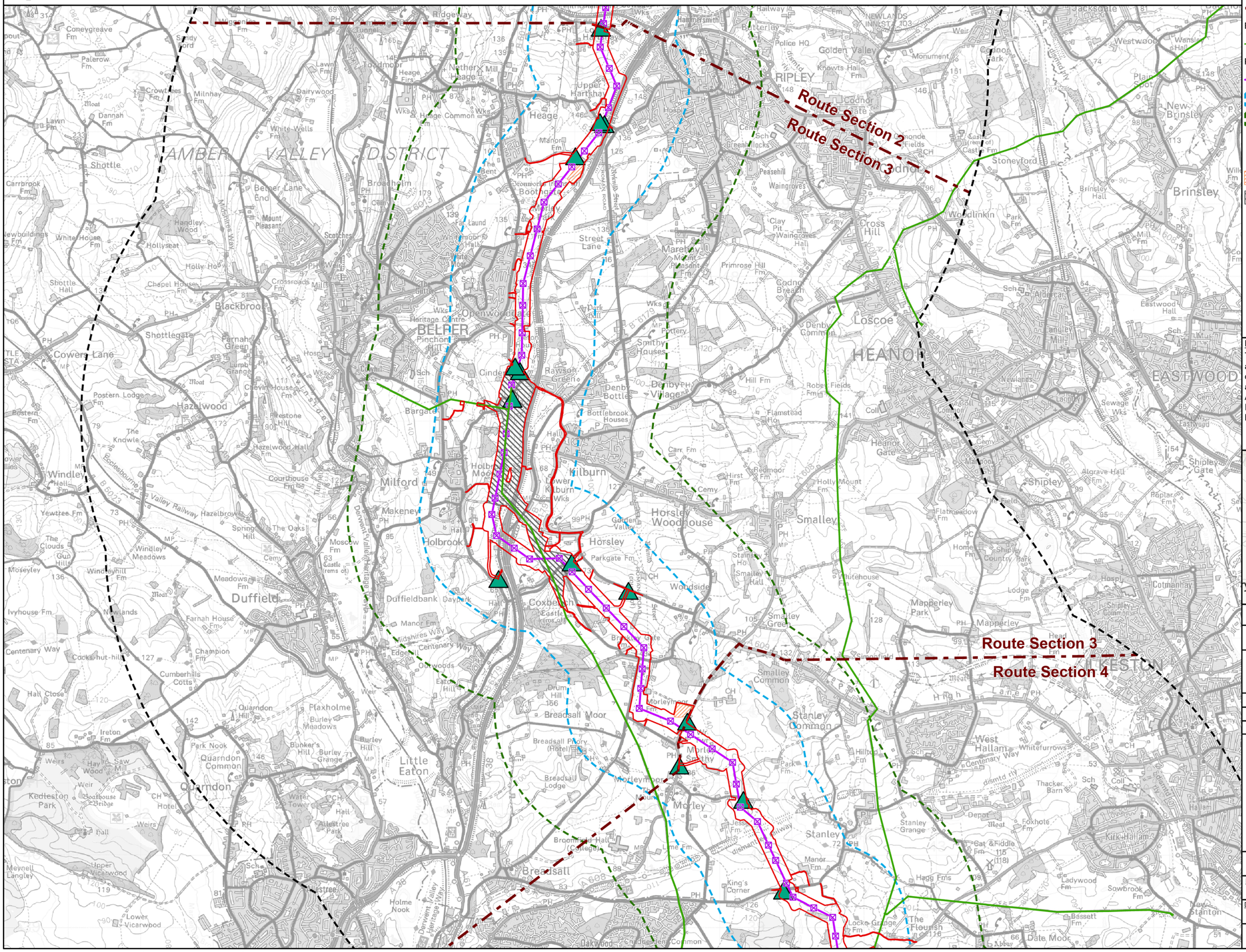
FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

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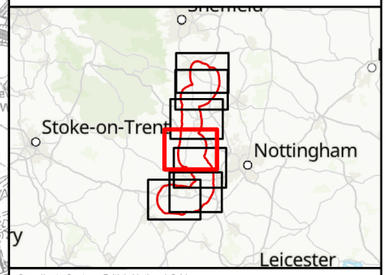

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FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA

Route Section 3
Route Section 4
Route Section 4
Route Section 5

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
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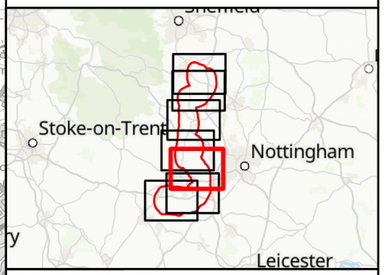

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FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA

Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

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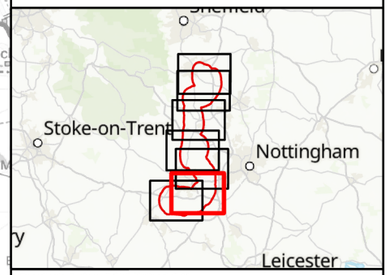

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FIGURE 6.1:
LANDSCAPE AND VISUAL STUDY AREA

Route Section 5
Route Section 6

EXISTING WILLINGTON
132kV SUBSTATION

WILLINGTON SUBSTATION
EXTENSION

EXISTING WILLINGTON
400kV SUBSTATION

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Willington Substation Extension
- Indicative Statutory Undertaker Diversion Works

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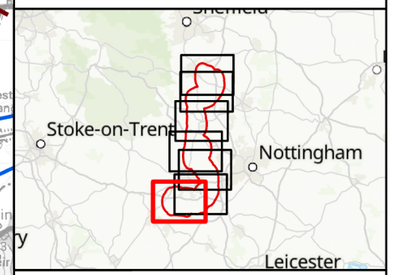

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CHESTERFIELD TO WILLINGTON
LANDSCAPE AND VISUAL STUDY AREA

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FIGURE 6.2:
NATIONAL CHARACTER AREA PROFILE

Route Section 1
Route Section 2
Route Section 2
Route Section 3

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Indicative New Overhead Line

National Character Area Profile

- NCA 30: Southern Magnesian Limestone
- NCA 37: Yorkshire Southern Pennine Fringe
- NCA 38: Nottinghamshire, Derbyshire and Yorkshire Coalfield
- NCA 49: Sherwood
- NCA 50: Derbyshire Peak Fringe and Lower Derwent
- NCA 51: Dark Peak
- NCA 52: White Peak

Notes

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CHESTERFIELD TO WILLINGTON
NATIONAL CHARACTER AREA PROFILE

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Figure Number	Drawing Reference		
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FIGURE 6.2:
NATIONAL CHARACTER AREA PROFILE

Route Section 3
Route Section 4
Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Indicative New Overhead Line

National Character Area Profile

- NCA 30: Southern Magnesian Limestone
- NCA 38: Nottinghamshire, Derbyshire and Yorkshire Coalfield
- NCA 48: Trent and Belvoir Vales
- NCA 49: Sherwood
- NCA 50: Derbyshire Peak Fringe and Lower Derwent
- NCA 68: Needwood and South Derbyshire Claylands
- NCA 69: Trent Valley Washlands
- NCA 70: Melbourne Parklands
- NCA 71: Leicestershire and Nottinghamshire Wolds

Notes

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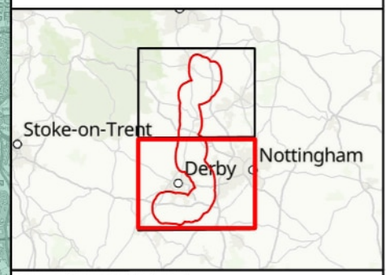

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NATIONAL CHARACTER AREA PROFILE

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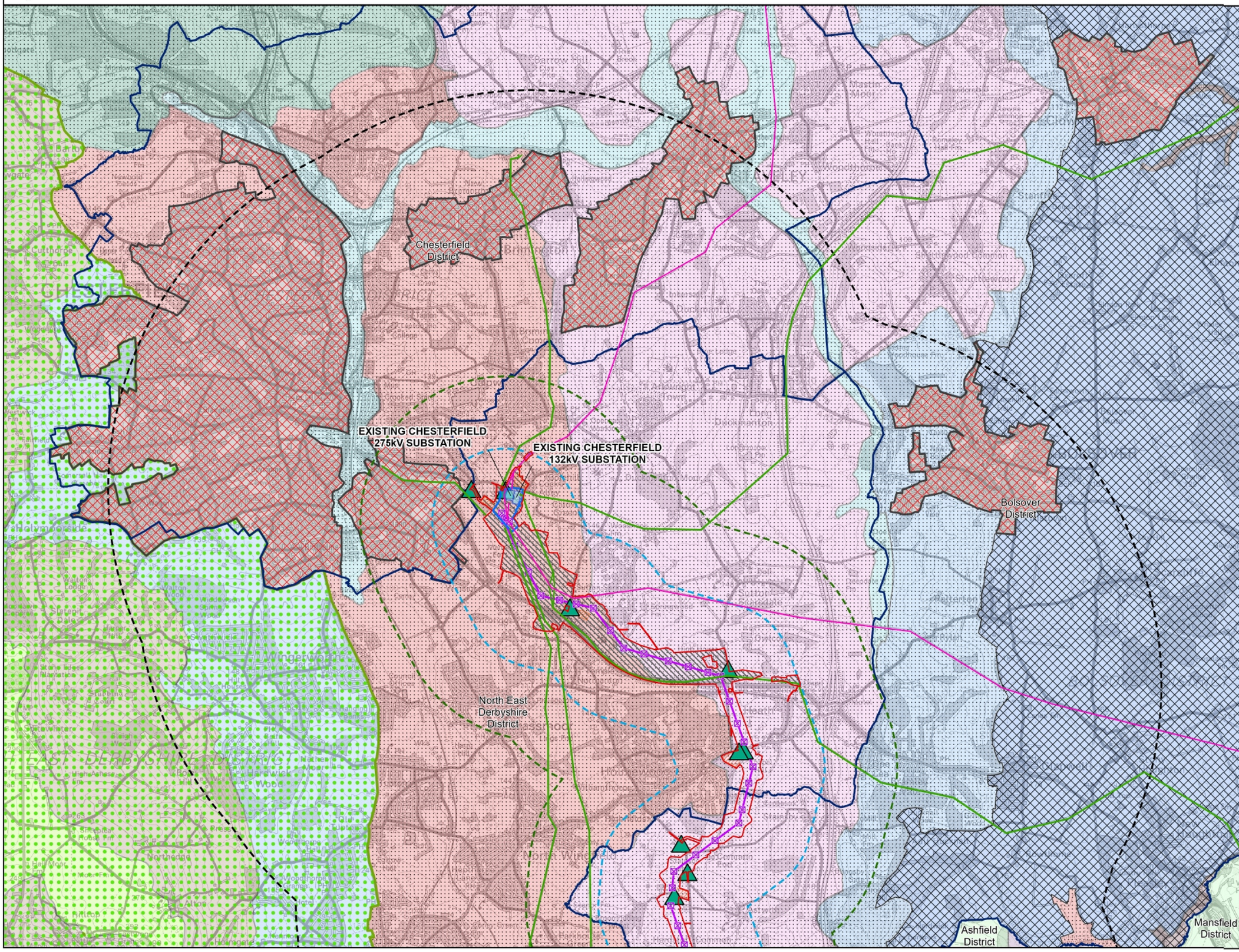
FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS



Legend

- Study Area (5km)
- Draft Order Limits
- Districts Boundary

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative New Chesterfield Substation Site Boundary
- Indicative Statutory Undertaker Diversion Works

Greater Nottingham Landscape Character Assessment

Regional Character Areas

- Nottinghamshire Coalfields
- Magnesian Limestone Ridge

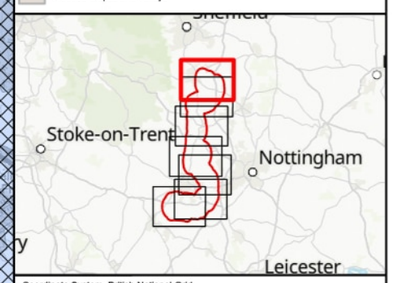
The Landscape Character of Derbyshire

Character Areas

- Southern Magnesian Limestone
- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Derbyshire Peak Fringe and Lower Derwent
- Urban

Landscape Character Type

- Coalfield Village Farmlands
- Enclosed Moors and Heaths
- Estate Farmlands
- Limestone Farmlands
- Limestone Gorges
- Riverside Meadows
- Urban
- Wooded Farmlands
- Wooded Hills and Valleys
- Wooded Slopes and Valleys



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COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

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Figure Number: Figure 6.3

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FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Chesterfield District

North East Derbyshire District

Bolsover District

Mansfield District

Ashfield District

Derbyshire Dales District

Amber Valley District

Route Section 1

Route Section 2

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Districts Boundary

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative New Chesterfield Substation Site Boundary
- Indicative Statutory Undertaker Diversion Works

Greater Nottingham Landscape Character Assessment

Regional Character Areas

- Nottinghamshire Coalfields
- Magnesian Limestone Ridge
- Urban

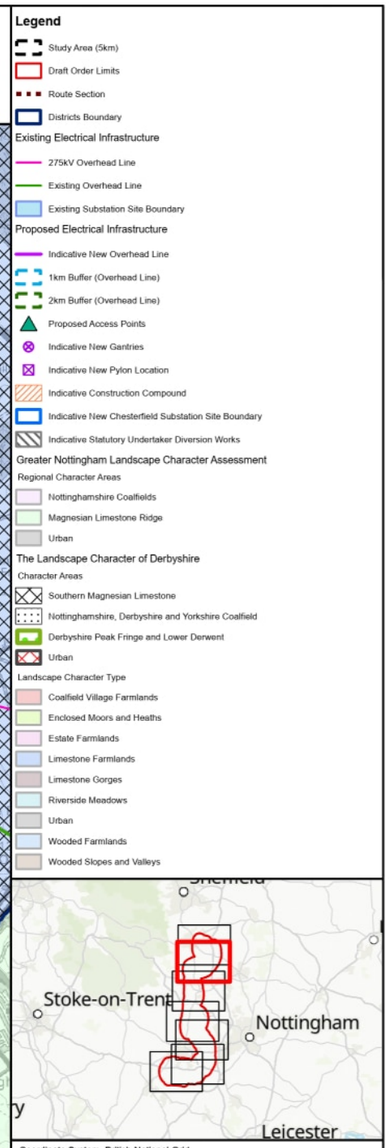
The Landscape Character of Derbyshire

Character Areas

- Southern Magnesian Limestone
- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Derbyshire Peak Fringe and Lower Derwent
- Urban

Landscape Character Type

- Coalfield Village Farmlands
- Enclosed Moors and Heaths
- Estate Farmlands
- Limestone Farmlands
- Limestone Gorges
- Riverside Meadows
- Urban
- Wooded Farmlands
- Wooded Slopes and Valleys



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COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

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FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS

Route Section 1
Route Section 2
Route Section 2
Route Section 3

Derbyshire Dales District
North East Derbyshire District
Bolsover District
Ashfield District
Amber Valley District
Broxtowe District

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Districts Boundary

Existing Electrical Infrastructure
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

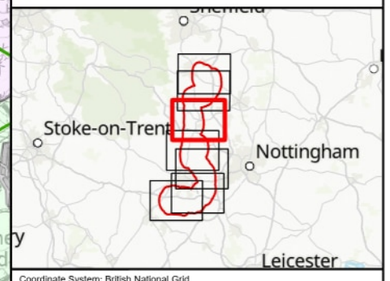
Greater Nottingham Landscape Character Assessment

Regional Character Areas
- Nottinghamshire Coalfields
- Magnesian Limestone Ridge
- Urban

The Landscape Character of Derbyshire

Character Areas
- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Derbyshire Peak Fringe and Lower Derwent
- Dark Peak
- Urban

Landscape Character Type
- Coalfield Estatelands
- Coalfield Village Farmlands
- Enclosed Moors and Heaths
- Gritstone Heaths and Commons
- Riverside Meadows
- Settled Valley Pastures
- Urban
- Wooded Farmlands
- Wooded Slopes and Valleys



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Title

CHESTERFIELD TO WILLINGTON
COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

nationalgrid

Figure Number			
Figure 6.3			
Drawing Reference			
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FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS

Route Section 2
Route Section 3
Route Section 3
Route Section 4

Ashfield District
Broxtowe District
Amber Valley District
Erewash District
City of Derby

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Districts Boundary

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Greater Nottingham Landscape Character Assessment

Regional Character Areas

- Nottinghamshire Coalfields

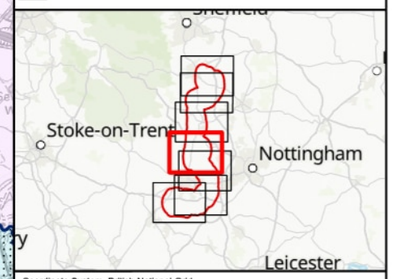
The Landscape Character of Derbyshire

Character Areas

- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Derbyshire Peak Fringe and Lower Derwent
- Needwood and South Derbyshire Claylands
- Urban

Landscape Character Type

- Coalfield Estatelands
- Coalfield Village Farmlands
- Enclosed Moors and Heaths
- Estate Farmlands
- Gritstone Heaths and Commons
- Plateau Estate Farmlands
- Riverside Meadows
- Sandstone Slopes and Heaths
- Settled Farmlands
- Urban
- Wooded Farmlands
- Wooded Slopes and Valleys



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Title

CHESTERFIELD TO WILLINGTON
COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

nationalgrid

Figure Number	Drawing Reference		
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FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS

Amber Valley District

Route Section 3

Route Section 4

Broxtowe District

Erewash District

City of Derby

Route Section 4

Route Section 5

South Derbyshire District

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Districts Boundary

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Greater Nottingham Landscape Character Assessment

Regional Character Areas

- Nottinghamshire Coalfields
- Magnesian Limestone Ridge
- Urban

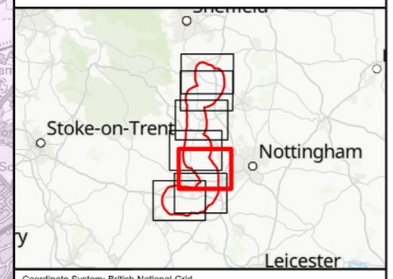
The Landscape Character of Derbyshire

Character Areas

- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Derbyshire Peak Fringe and Lower Derwent
- Needwood and South Derbyshire Claylands
- Trent Valley Washlands
- Urban

Landscape Character Type

- Coalfield Estatelands
- Coalfield Village Farmlands
- Estate Farmlands
- Gritstone Heaths and Commons
- Lowland Village Farmlands
- Plateau Estate Farmlands
- Riverside Meadows
- Sandstone Slopes and Heaths
- Urban
- Wooded Farmlands
- Wooded Slopes and Valleys



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COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

nationalgrid

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FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS

Amber Valley District
City of Derby
South Derbyshire District
Erewash District
Broxtowe District
North West Leicestershire District
Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Districts Boundary

Existing Electrical Infrastructure
- 400kV Overhead Line
- Existing Overhead Line

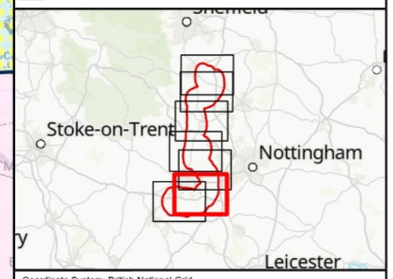
Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

North West Leicestershire Landscape Character Assessment
Character Areas
- Langley Lowlands
- Trent Valley

Greater Nottingham Landscape Character Assessment
Regional Character Areas
- Nottinghamshire Coalfields

The Landscape Character of Derbyshire
Character Areas
- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Needwood and South Derbyshire Claylands
- Trent Valley Washlands
- Melbourne Parklands
- Urban

Landscape Character Type
- Coalfield Village Farmlands
- Estate Farmlands
- Lowland Village Farmlands
- Plateau Estate Farmlands
- Riverside Meadows
- Sandstone Slopes and Heaths
- Settled Farmlands
- Urban
- Wet Pasture Meadows



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CHESTERFIELD TO WILLINGTON
COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

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FIGURE 6.3:
COUNTY/DISTRICT LEVEL LANDSCAPE CHARACTER UNITS

Route Section 5
Route Section 6
City of Derby
Erewash District
EXISTING WILLINGTON 132kV SUBSTATION
South Derbyshire District
WILLINGTON SUBSTATION EXTENSION
EXISTING WILLINGTON 400kV SUBSTATION
East Staffordshire District
North West Leicestershire District

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Districts Boundary

Existing Electrical Infrastructure
- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

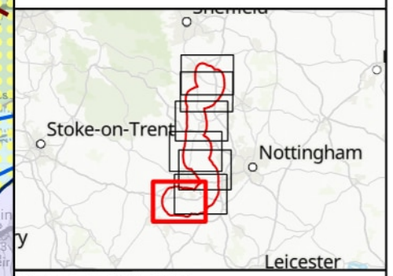
Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Willington Substation Extension
- Indicative Statutory Undertaker Diversion Works

North West Leicestershire Landscape Character Assessment
Character Areas
- Langley Lowlands
- Trent Valley

The Landscape Character of Derbyshire
Character Areas
- Needwood and South Derbyshire Claylands
- Trent Valley Washlands
- Melbourne Parklands
- Leicestershire and South Derbyshire Coalfield
- Urban

Landscape Character Type
- Coalfield Village Farmlands
- Estate Farmlands
- Lowland Village Farmlands
- Riverside Meadows
- Sandstone Slopes and Heaths
- Settled Farmlands
- Urban
- Wet Pasture Meadows
- Wooded Estatelands

Staffordshire Planning for Landscape Change SPG
Landscape Character Types
- Riparian alluvial lowlands
- Settled plateau farmland slopes



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COUNTY/DISTRICT LEVEL
LANDSCAPE CHARACTER UNITS

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FIGURE 6.4:
LANDFORM AND DRAINAGE

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Legend

- Study Area (5km)
- Draft Order Limits

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative New Chesterfield Substation Site Boundary
- Indicative Statutory Undertaker Diversion Works

Watercourses

- Statutory Main Rivers
- Ordinary Watercourses

Elevation AOD (m)

637 (High)

0 (Low)

Notes

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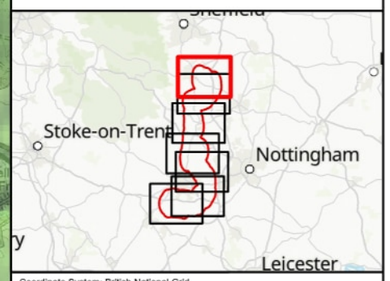

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CHESTERFIELD TO WILLINGTON
LANDFORM AND DRAINAGE

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Figure Number: Figure 6.4

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FIGURE 6.4:
LANDFORM AND DRAINAGE

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Route Section 1

Route Section 2

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative New Chesterfield Substation Site Boundary
- Indicative Statutory Undertaker Diversion Works

Watercourses

- Statutory Main Rivers
- Ordinary Watercourses

Elevation AOD (m)

637 (High)

0 (Low)

Notes

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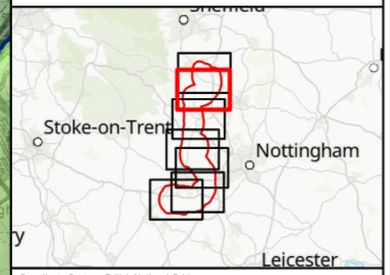

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CHESTERFIELD TO WILLINGTON
LANDFORM AND DRAINAGE

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Figure Number: Figure 6.4

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FIGURE 6.4:
LANDFORM AND DRAINAGE

Route Section 1
Route Section 2
Route Section 2
Route Section 3

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Watercourses

- Statutory Main Rivers
- Ordinary Watercourses

Elevation AOD (m)

637 (High)

0 (Low)

Notes

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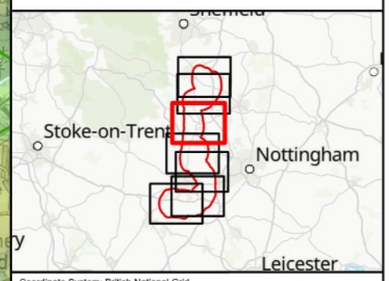

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CHESTERFIELD TO WILLINGTON
LANDFORM AND DRAINAGE

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Figure Number	Drawing Reference		
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FIGURE 6.4:
LANDFORM AND DRAINAGE

Route Section 2
Route Section 3
Route Section 3
Route Section 4

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Watercourses
- Statutory Main Rivers
- Ordinary Watercourses

Elevation AOD (m)
- 637 (High)
- 0 (Low)

Notes

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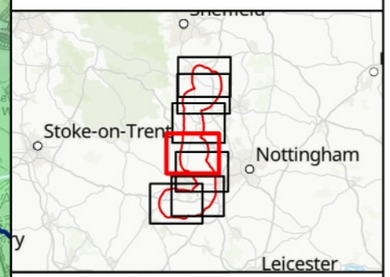

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LANDFORM AND DRAINAGE

nationalgrid

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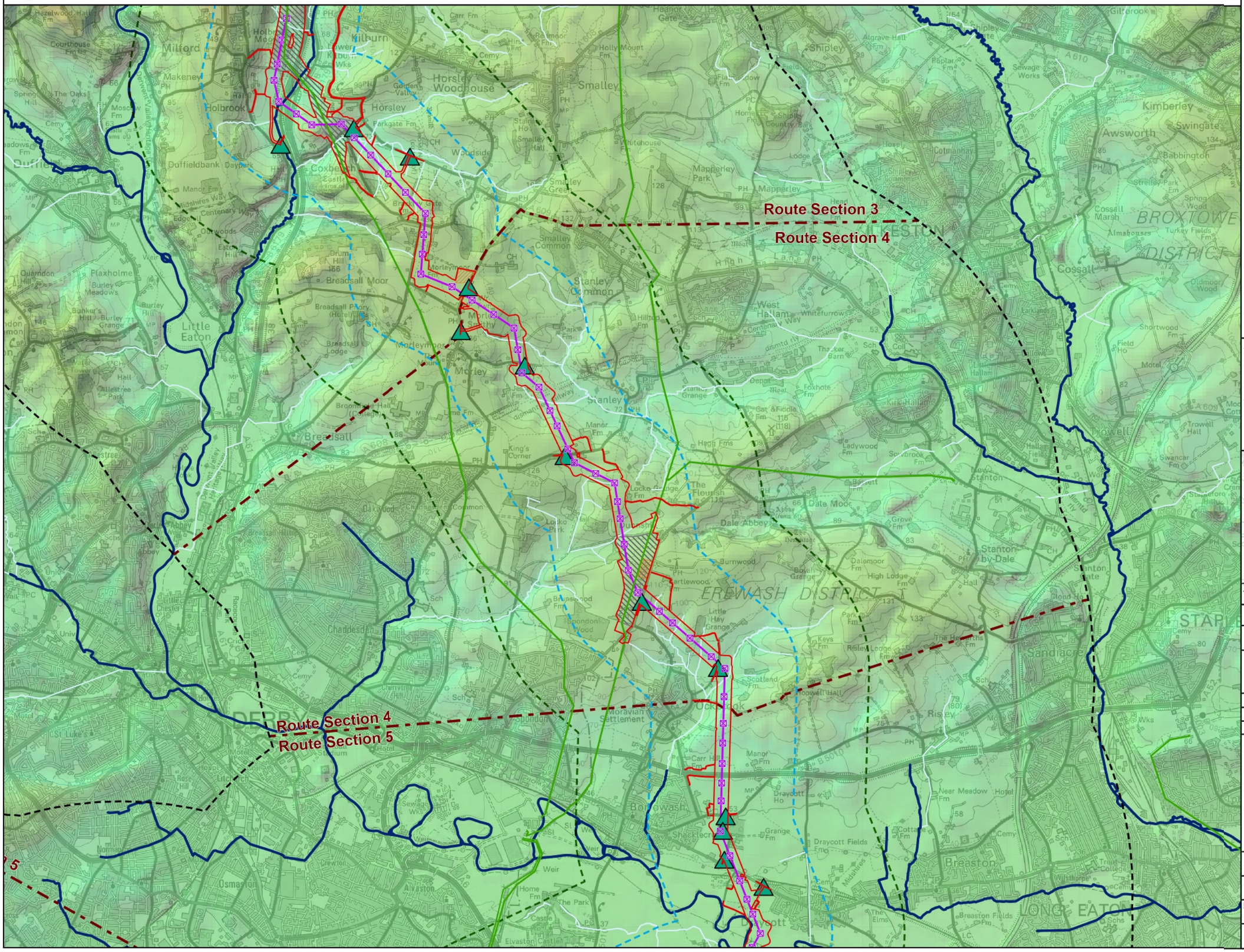
FIGURE 6.4:
LANDFORM AND DRAINAGE



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Watercourses

- Statutory Main Rivers
- Ordinary Watercourses

Elevation AOD (m)

637 (High)

0 (Low)

Notes

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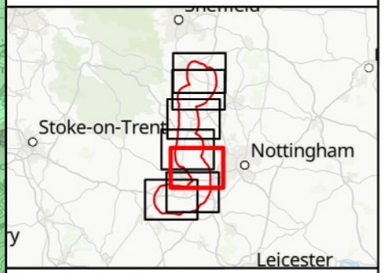

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LANDFORM AND DRAINAGE

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Figure Number	Drawing Reference		
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FIGURE 6.4:
LANDFORM AND DRAINAGE

Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Watercourses

- Statutory Main Rivers
- Ordinary Watercourses

Elevation AOD (m)

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0 (Low)

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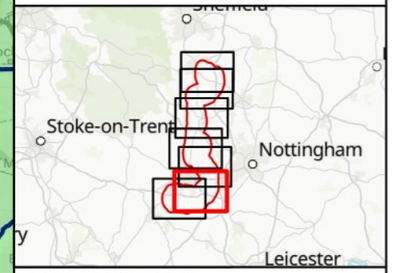

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Sheet X Centroid Coordinate: 440284.4E Sheet Y Centroid Coordinate: 331292.95N

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Metres

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Title

CHESTERFIELD TO WILLINGTON
LANDFORM AND DRAINAGE

nationalgrid

Figure Number			
Figure 6.4			
Drawing Reference			
EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000007			
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FIGURE 6.4:
LANDFORM AND DRAINAGE

Route Section 5
Route Section 6

EXISTING WILLINGTON
132kV SUBSTATION

WILLINGTON SUBSTATION
EXTENSION

EXISTING WILLINGTON
400kV SUBSTATION

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Proposed Access Points
- Indicative New Gantries
- Indicative New Pylon Location
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Watercourses

- Statutory Main Rivers
- Willington Substation Extension
- Ordinary Watercourses

Elevation AOD (m)

637 (High)
0 (Low)

Notes

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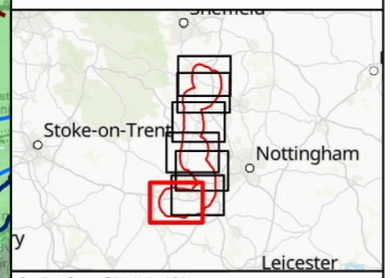

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Title

CHESTERFIELD TO WILLINGTON
LANDFORM AND DRAINAGE

nationalgrid

Figure Number	Drawing Reference		
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FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Legend

- Study Area (5km)
- Draft Order Limits

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Registered Parks and Gardens
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way

- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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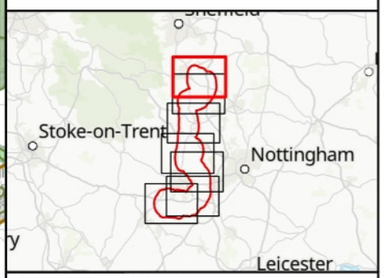

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Title

CHESTERFIELD TO WILLINGTON LANDSCAPE FEATURES AND DESIGNATIONS

nationalgrid

Figure Number	
	Figure 6.5

Drawing Reference	
	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000008

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FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

Route Section 1

Route Section 2

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Registered Parks and Gardens
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way

- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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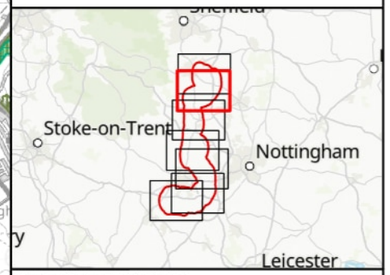

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Title

CHESTERFIELD TO WILLINGTON
LANDSCAPE FEATURES AND DESIGNATIONS

nationalgrid

Figure Number	Drawing Reference		
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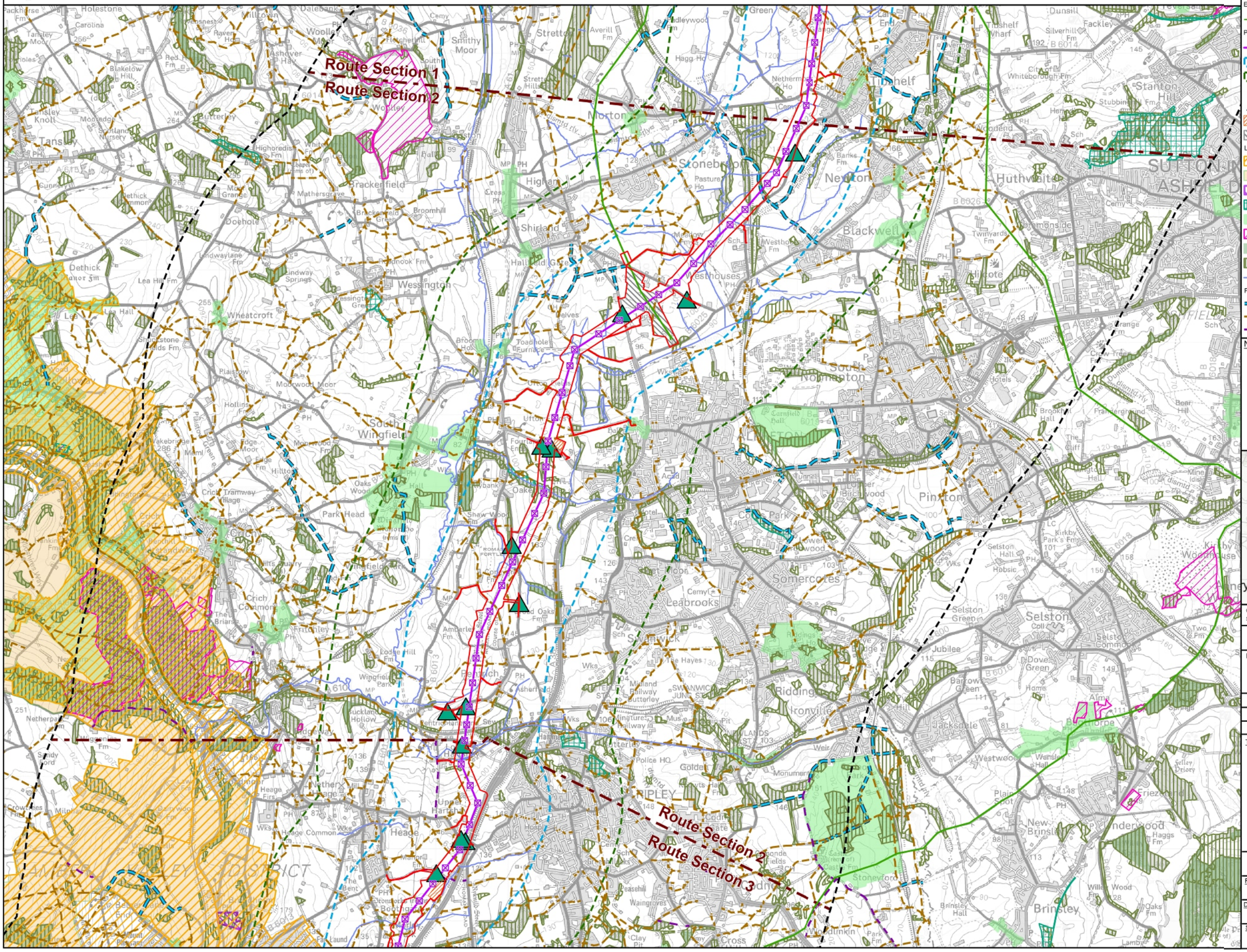
FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Landscape Features and Designations

- World Heritage Sites
- Amber Valley Special Landscape Area
- Registered Parks and Gardens
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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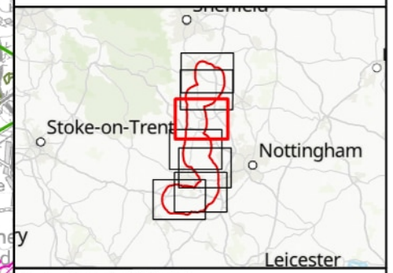

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LANDSCAPE FEATURES AND DESIGNATIONS

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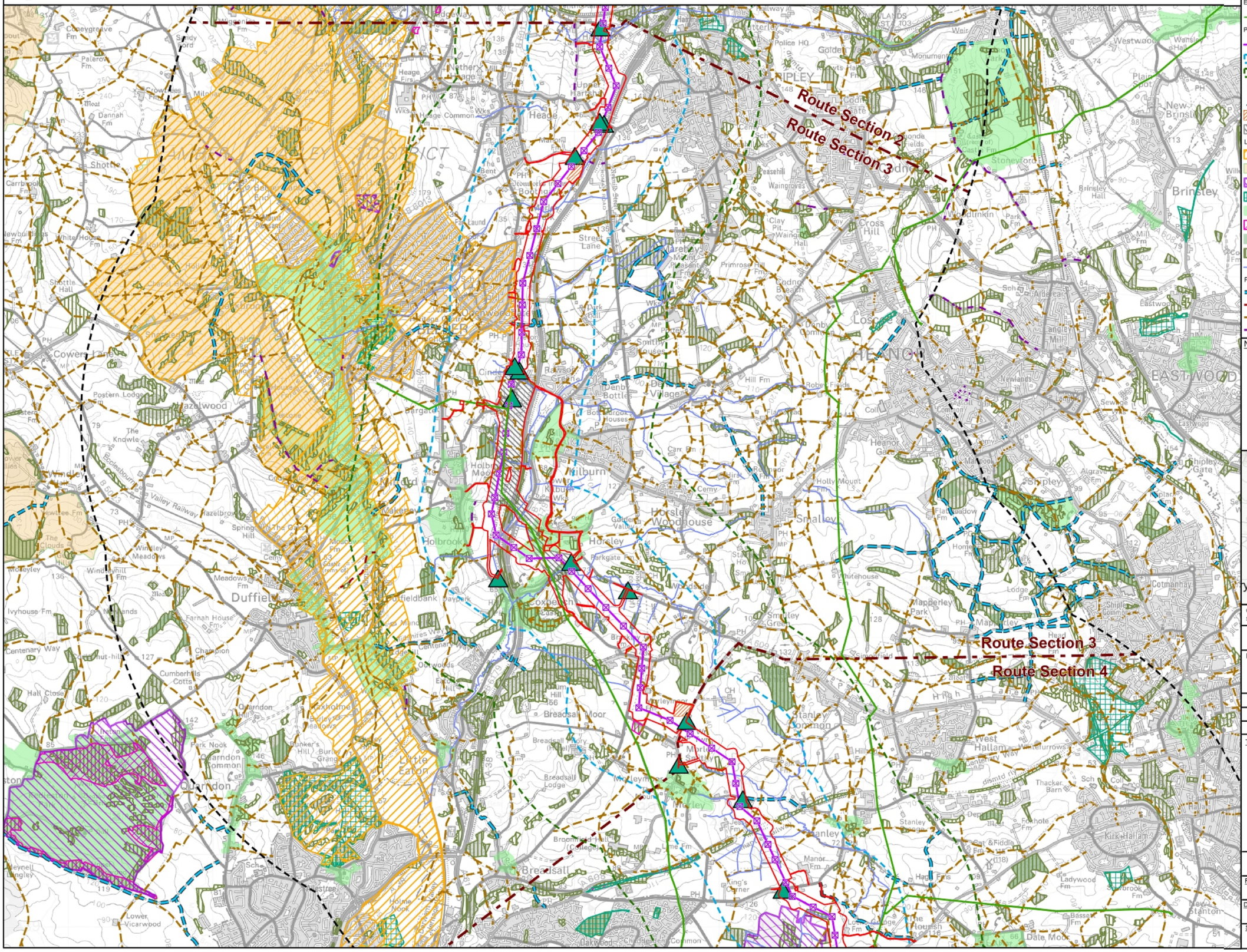
FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Landscape Features and Designations

- World Heritage Sites
- Amber Valley Special Landscape Area
- Registered Parks and Gardens
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way

- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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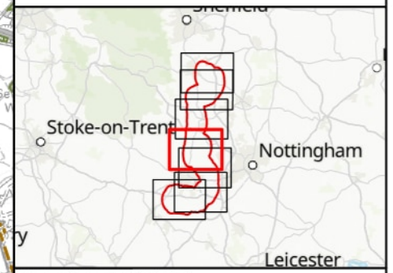

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LANDSCAPE FEATURES AND DESIGNATIONS

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Figure Number	Drawing Reference		
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FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS

Route Section 3
Route Section 4
Route Section 4
Route Section 5

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Landscape Features and Designations
- World Heritage Sites
- Amber Valley Special Landscape Area
- Registered Parks and Gardens
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way
- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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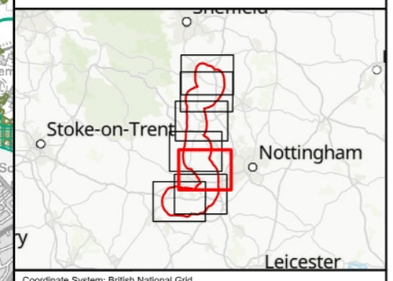

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LANDSCAPE FEATURES AND
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Figure Number	
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FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS

Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Landscape Features and Designations

- World Heritage Sites
- Registered Parks and Gardens
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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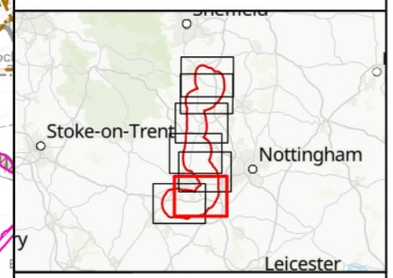

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LANDSCAPE FEATURES AND DESIGNATIONS

nationalgrid

Figure Number	Drawing Reference		
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FIGURE 6.5:
LANDSCAPE FEATURES AND DESIGNATIONS

Route Section 5
Route Section 6

EXISTING WILLINGTON
132kV SUBSTATION

WILLINGTON SUBSTATION
EXTENSION

EXISTING WILLINGTON
400kV SUBSTATION

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Registered Parks and Gardens
- National Nature Reserves (England)
- Local Nature Reserves (England)
- Conservation Areas
- Sites of Special Scientific Interest (England)
- Ancient Woodland (England)
- Woodland (National Forest Inventory)
- Watercourses

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway
- Willington Substation Extension

Notes

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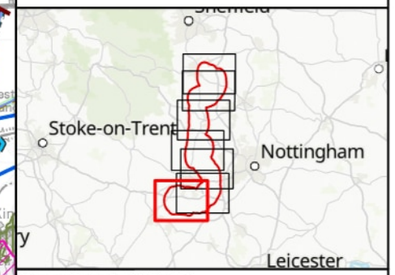

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Sheet X Centroid Coordinate: 433317.55E Sheet Y Centroid Coordinate: 328889.36N

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LANDSCAPE FEATURES AND
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Figure Number: Figure 6.5

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FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE

VP1
VP2
VP4
VP5
VP6
VP7
VP80
EXISTING CHESTERFIELD 275kV SUBSTATION
EXISTING CHESTERFIELD 132kV SUBSTATION
CHESTERFIELD
CHESTERFIELD DISTRICT
NORTH EAST DERBYSHIRE DISTRICT
STAVELEY

Legend

- Study Area (5km)
- Draft Order Limits

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Peak District National Park

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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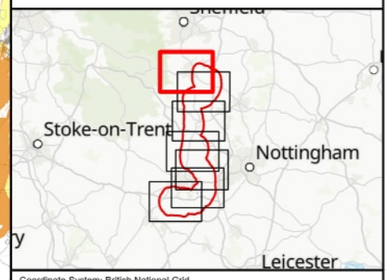
The Screened Zone of Theoretical Visibility (ZTV) has been generated using the Environment Agency LIDAR Composite Digital Surface Model (DSM) at 2m Spatial Resolution. The DSM accounts for the screening effects of vegetation, buildings, and other structures. The extent of buildings derived from OS Open Map Local and woodlands derived from the National Forest Inventory and Ancient Woodlands (Natural England) has been deleted from the ZTV.

The ZTV is based on the centre points of each of the pylons at different heights, showing potential visibility of pylons between the base and first arm, base and second arm, base and third arm and total height of the pylons, with an observer height at 1.6m. The ZTV has been modelled to a 10km extent. All heights indicated are above ground level (AGL) unless otherwise specified.



Coordinate System: British National Grid
Sheet X Centroid Coordinate: 436609.52E Sheet Y Centroid Coordinate: 371156.6N

0 500 1,000 2,000 Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number: Figure 6.6

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1

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FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

VP2
VP3
VP4
VP5
VP6
VP7
VP8
VP9
VP10
VP11
VP12
VP13
VP14
VP15
VP16
VP17
VP18
VP19
VP20
VP21
VP22
VP23

Route Section 1
Route Section 2

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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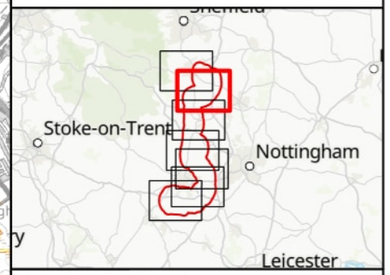

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 442213.25E Sheet Y Centroid Coordinate: 364677.41N

0 500 1,000 2,000 Metres

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1	Jan 2026	FIRST ISSUE	RS	BS	LM

Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number: Figure 6.6

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE

Route Section 1
Route Section 2
Route Section 2
Route Section 3

VP19
VP20
VP21
VP22
VP23
VP24
VP25
VP26
VP27
VP28
VP29
VP30
VP31
VP32
VP33
VP34
VP35
VP36
VP37
VP81

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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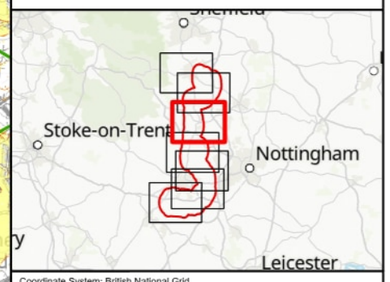

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 440581.3E Sheet Y Centroid Coordinate: 355146.92N

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Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number: Figure 6.6

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE

VP32
VP33
VP34
VP35
VP36
VP37
VP38
VP39
VP40
VP41
VP42
VP43
VP44
VP45
VP46
VP47
VP63
VP82

Route Section 2
Route Section 3
Route Section 3
Route Section 4

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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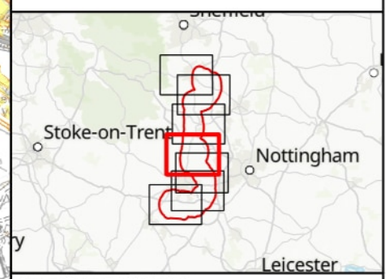

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 438666.33E Sheet Y Centroid Coordinate: 345227.65N

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number	Drawing Reference		
Figure 6.6	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1		
Scale	Sheet Size	Sheet	Issue
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FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE

VP40
VP41
VP42
VP43
VP63
VP82
VP44
VP45
VP46
VP47
VP48
VP49
VP50
VP51
VP52
VP53
VP54
VP55

Route Section 3
Route Section 4
Route Section 4
Route Section 5

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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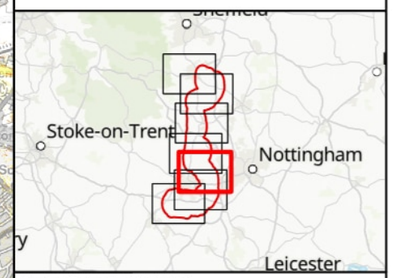

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 441679.12E Sheet Y Centroid Coordinate: 339231.85N

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Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number	Drawing Reference		
Figure 6.6	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1		
Scale	**Sheet Size**	**Sheet**	**Issue**
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FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE

VP46
VP47
VP48
VP49
VP50
VP51
VP52
VP53
VP54
VP55
VP56
VP57
VP59
VP60
VP61
VP62
VP64
VP65
VP68
VP69
VP71
VP72
VP74
VP75

Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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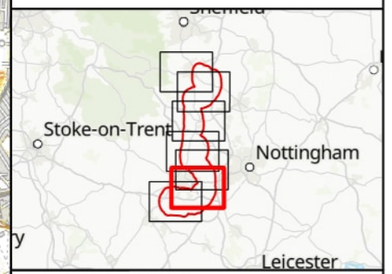

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Sheet X Centroid Coordinate: 440284.4E Sheet Y Centroid Coordinate: 333385.31N

0 500 1,000 2,000 Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number: Figure 6.6

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1

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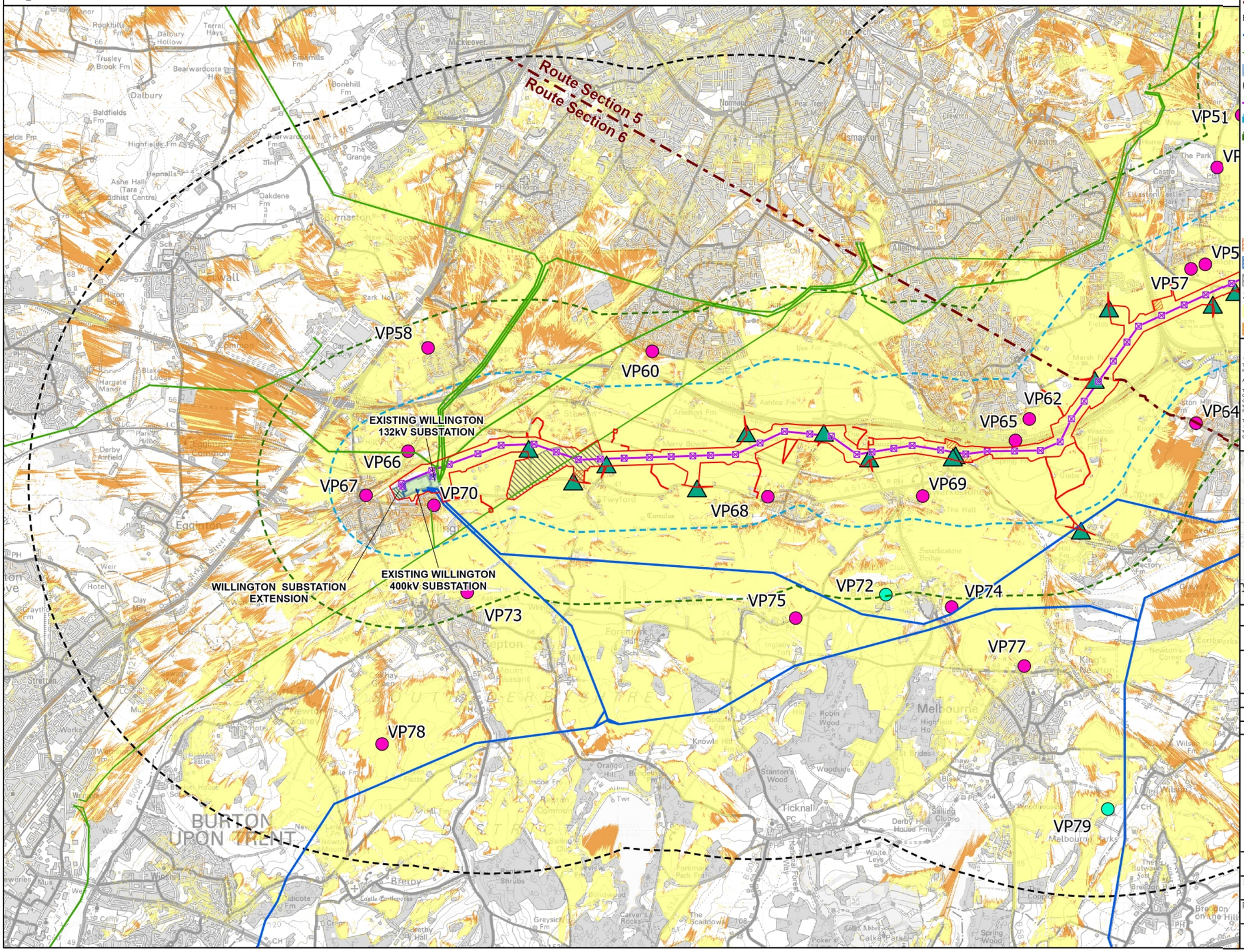
FIGURE 6.6:
SCREENED ZTV OVERHEAD LINE



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Willington Substation Extension
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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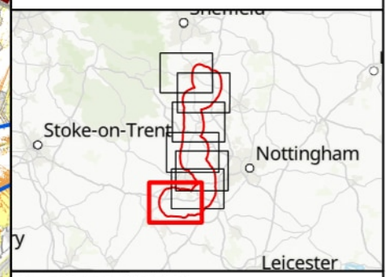

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE

nationalgrid

Figure Number: Figure 6.6

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-1

Scale	Sheet Size	Sheet	Issue
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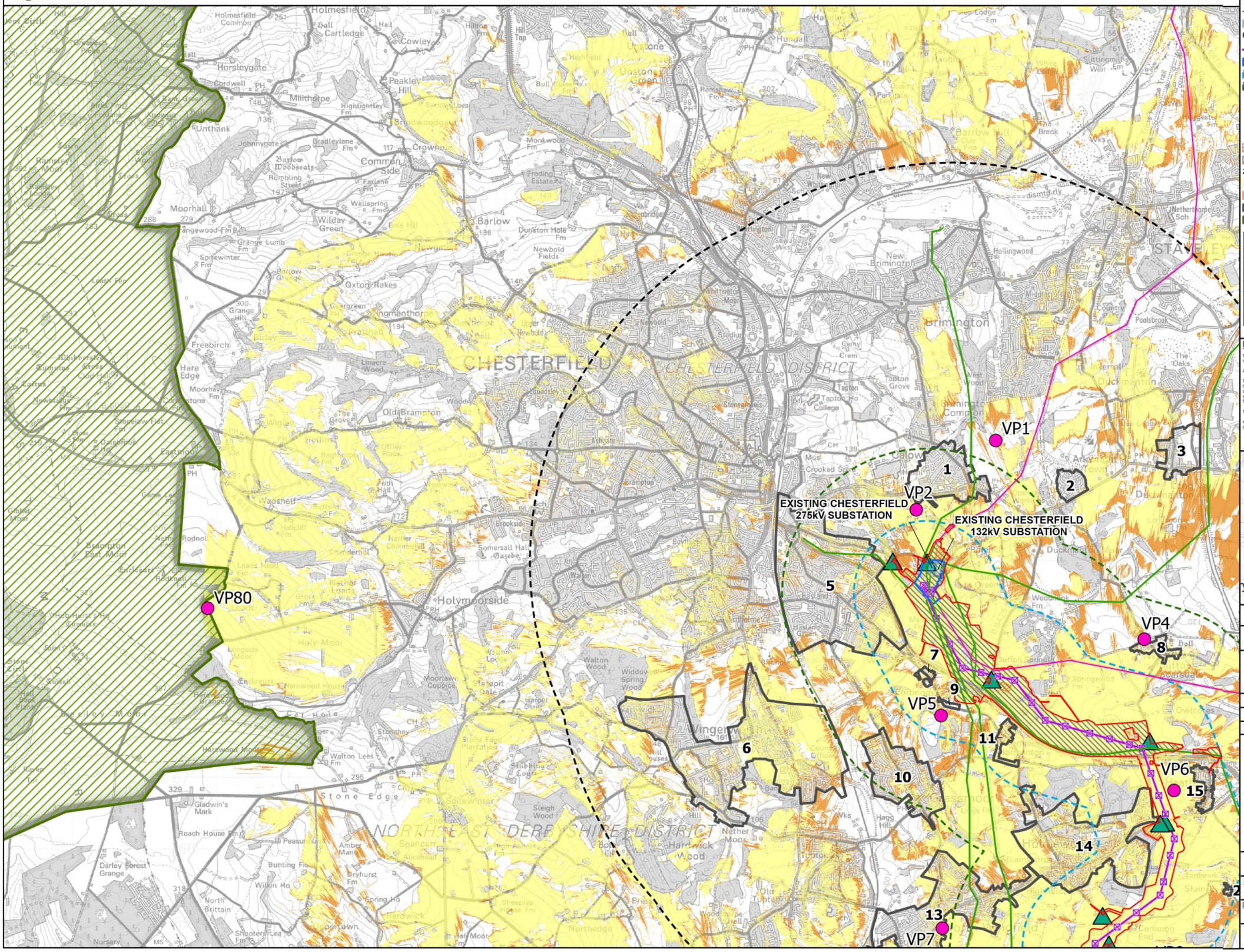
FIGURE 6.7:
SCREENED ZTV WITH RESIDENTIAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors
- Peak District National Park

ID	Settlements	ID	Settlements
1	Calow	9	Corbriggs
2	Arkwright Town	10	Grassmoor
3	Long Duckmanton	11	Temple Normanton
5	Hasland	13	North Wingfield
6	Wingerworth	14	Holmewood
7	Winsick	15	Heath
8	Sutton Scarsdale	21	Stainsby

Notes

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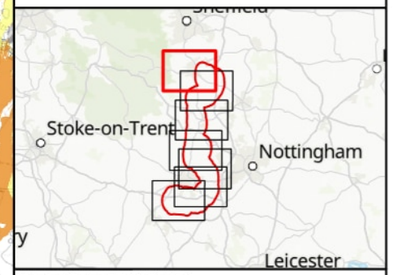

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Sheet X Centroid Coordinate: 436609.52E Sheet Y Centroid Coordinate: 371156.6N

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV WITH RESIDENTIAL RECEPTORS

nationalgrid

Figure Number: Figure 6.7

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-3

Scale	Sheet Size	Sheet	Issue
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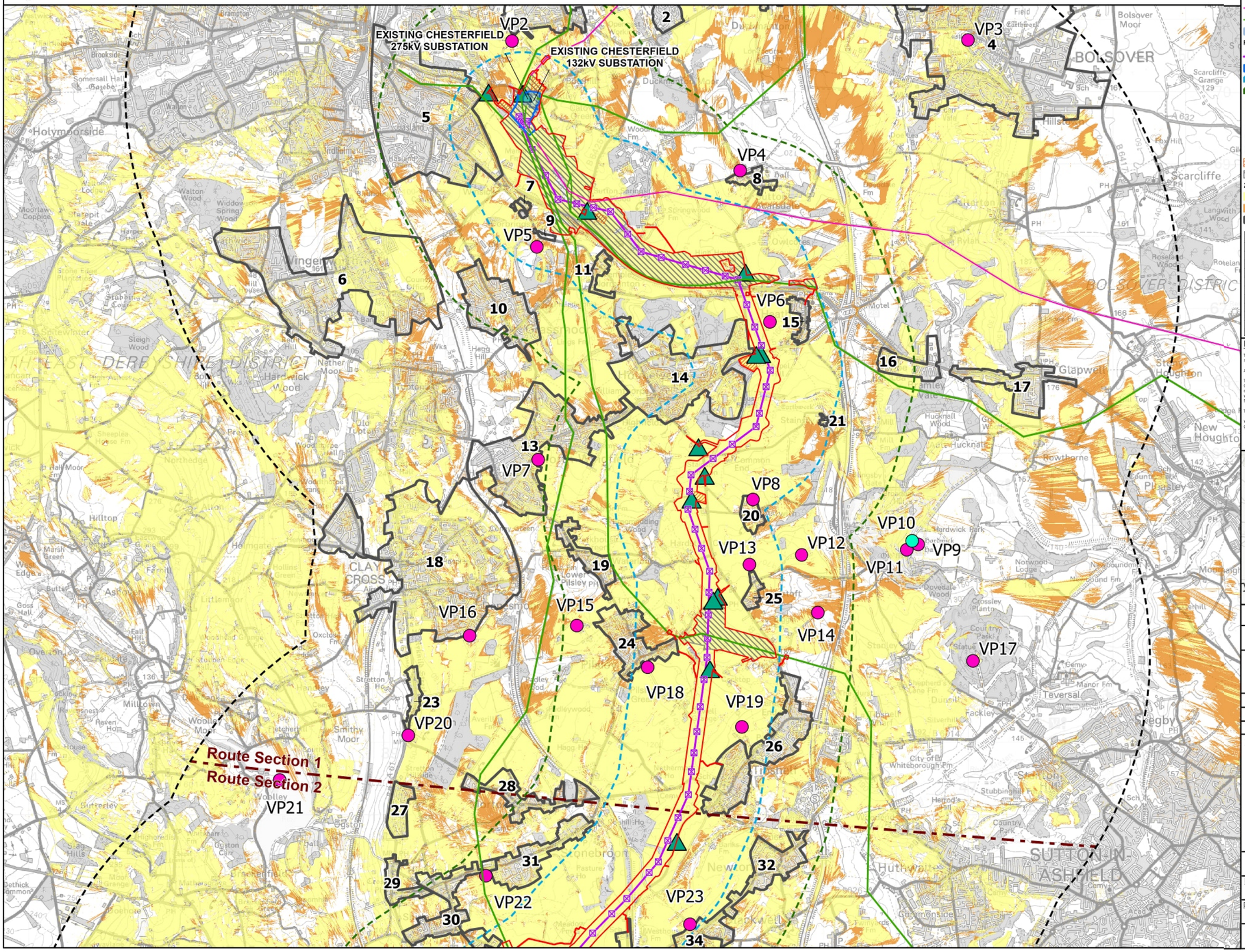
SCREENED ZTV WITH RESIDENTIAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors

ID	Settlements	ID	Settlements	ID	Settlements
1	Calow	13	North Wingfield	25	Hardstoft
2	Arkwright Town	14	Holmewood	26	Tibshelf
3	Long Duckmanton	15	Heath	27	Mickley Estate
4	Bolsover	16	Bramley Vale area	28	Morton
5	Hasland	17	Glapwell	29	Higham
6	Wingerworth	18	Clay Cross	30	Shirland
7	Winsick	19	Lower Pilsley	31	Stonebroom
8	Sutton Scarsdale	20	Aswith	32	Westhouses
9	Corbriggs	21	Stainsby	33	Westhouses
10	Grassmoor	23	Stretton	34	Blackwall
11	Temple Normanton	24	Pilsley		

Notes

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Sheet X Centroid Coordinate: 442213.25E Sheet Y Centroid Coordinate: 364677.41N

0 500 1,000 2,000 Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RESIDENTIAL RECEPTORS

nationalgrid

Figure Number	Drawing Reference		
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FIGURE 6.7:
SCREENED ZTV WITH RESIDENTIAL RECEPTORS

Route Section 1
Route Section 2
Route Section 2
Route Section 3

VP19 VP20 VP21 VP22 VP23 VP24 VP25 VP26 VP27 VP28 VP29 VP30 VP31 VP32 VP33 VP34 VP35 VP36 VP37 VP81

23 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 49

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Amber Valley Special Landscape Area

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors

ID	Settlements	ID	Settlements	ID	Settlements
23	Stretton	34	Blackwell	43	Lower Hartshay
26	Tibshelf	35	South Wingfield	44	Butterley
27	Mickley Estate	36	Fourlane Ends	45	Heage
28	Morton	37	Alfreton	46	Upper Hartshay
29	Higham	38	South Normanton	47	Ripley
30	Shirland	39	Oakerthorpe	48	Belper
31	Stonebroom	40	Swanwick	49	Street Lane
32	Newton	41	Pentrich		
33	Westhouses	42	Fritchley		

Notes

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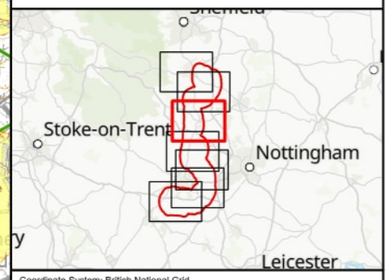

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 440581.3E Sheet Y Centroid Coordinate: 355146.92N

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	RS	BS	LM

Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RESIDENTIAL RECEPTORS

nationalgrid

Figure Number	Drawing Reference		
Figure 6.7	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-3		
Scale	Sheet Size	Sheet	Issue
1:50,000	A3	SHEET 3 OF 7	1

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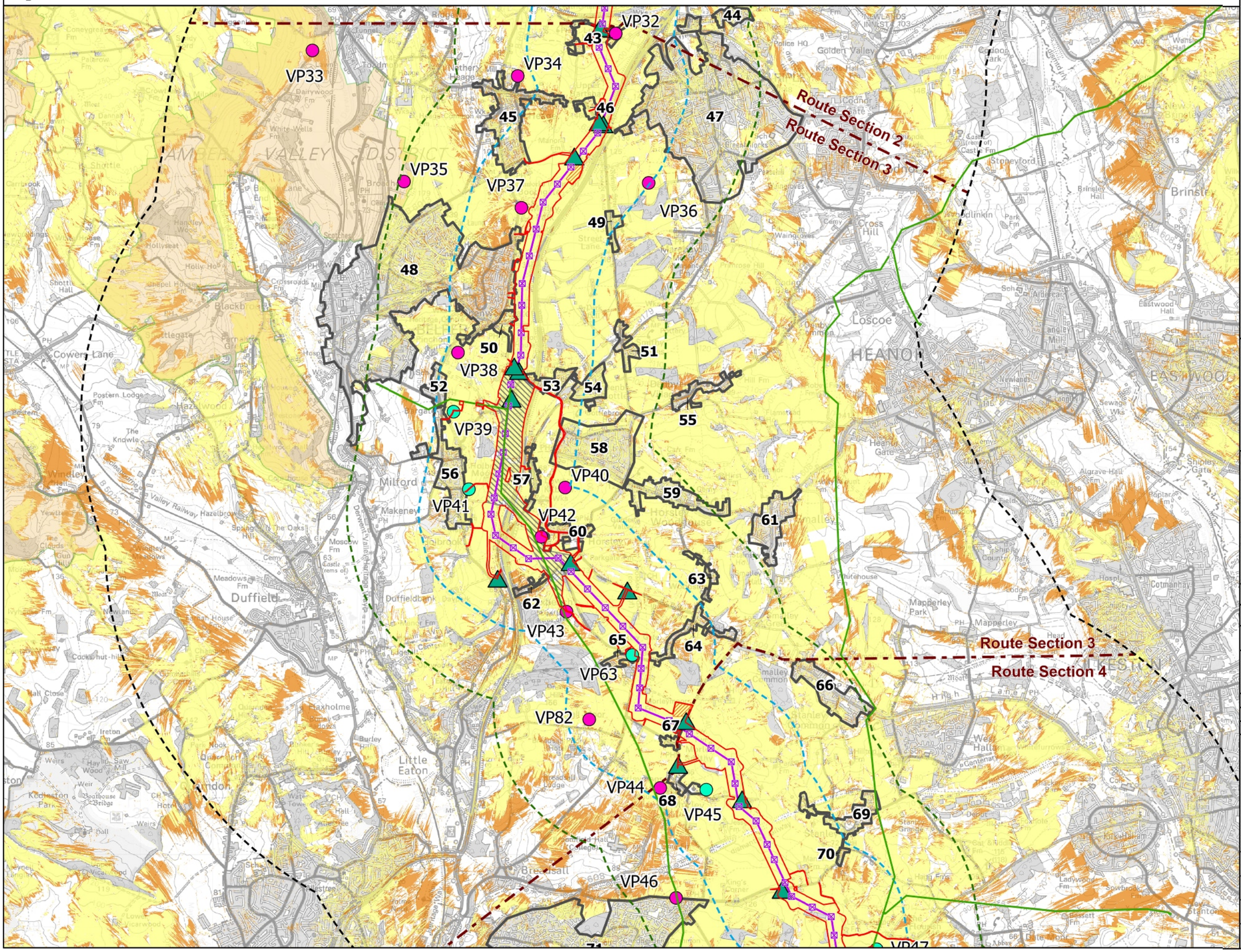
FIGURE 6.7:
SCREENED ZTV WITH RESIDENTIAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Amber Valley Special Landscape Area

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors

ID	Settlements	ID	Settlements	ID	Settlements
43	Lower Hartshay	53	Rawson Green	63	Woodside
44	Butterley	54	Denby Bottles	64	Cloves Hill
45	Heage	55	Denby Village	65	Brackley Gate
46	Upper Hartshay	56	Holbrook	66	Stanley Common
47	Ripley	57	Lower Kilbrn	67	Morley Smithy
48	Belper	58	Kilburn	68	Morley
49	Street Lane	59	Horsley Woodhouse	69	Stanley 1of2
50	Openwoodgate	60	Horsley	70	Stanley 2of2
51	Smithy Houses	61	Smalley	71	Oakwood
52	Bargate	62	Coxbench		

Notes

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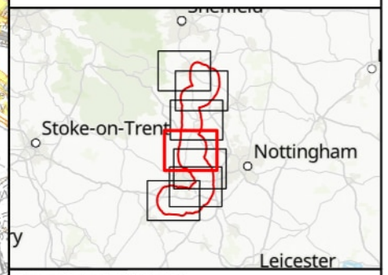

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RESIDENTIAL RECEPTORS

nationalgrid

Figure Number: Figure 6.7

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-3

Scale	Sheet Size	Sheet	Issue
1:50,000	A3	SHEET 4 OF 7	1

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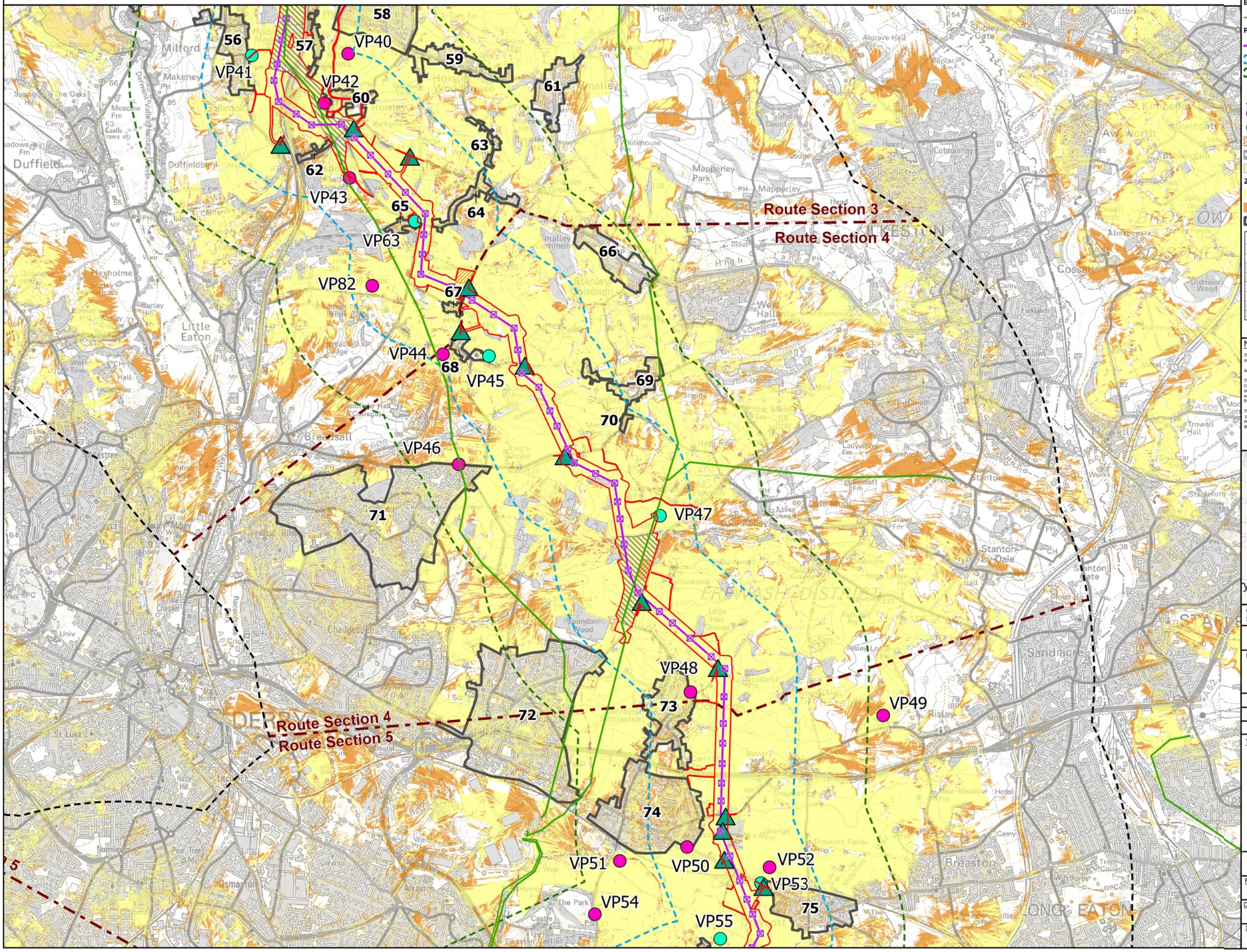
FIGURE 6.7:
SCREENED ZTV WITH RESIDENTIAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Amber Valley Special Landscape Area

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors

ID	Settlements	ID	Settlements	ID	Settlements
48	Belper	63	Woodside	71	Oakwood
56	Holbrook	64	Cloves Hill	72	Spondon
57	Lower Kilbrn	65	Brackley Gate	73	Ockbrook
58	Kilburn	66	Stanley Common	74	Borrowash
59	Horsley Woodhouse	67	Morley Smithy	75	Draycott
60	Horsley	68	Morley	76	Ambaston
61	Smalley	69	Stanley 1of2		
62	Coxbench	70	Stanley 2of2		

Notes

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RESIDENTIAL RECEPTORS

nationalgrid

Figure Number	Drawing Reference		
Figure 6.7	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-3		
Scale	Sheet Size	Sheet	Issue
1:50,000	A3	SHEET 5 OF 7	1

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FIGURE 6.7:
SCREENED ZTV WITH RESIDENTIAL RECEPTORS

VP46 VP47 VP48 VP49 VP50 VP51 VP52 VP53 VP54 VP55 VP56 VP57 VP59 VP60 VP61 VP62 VP64 VP65 VP68 VP69 VP71 VP72 VP74 VP75

71 72 73 74 75 76 77 78 79 80 82 83 85 86 87 88 89 94

Route Section 4
Route Section 5
Route Section 5
Route Section 6

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors

ID	Settlements	ID	Settlements
70	Stanley 2of2	80	Stenson Fields & Sinfin South
71	Oakwood	82	Stenson
72	Spondon	83	Arleston
73	Ockbrook	85	Twyford
74	Borrowash	86	Barrow upon Trent
75	Draycott	87	Swarkestone 1of2
76	Ambaston	88	Swarkestone 2of2
77	Thulston	89	Stanton by Bridge
78	Boulton Moor	94	Shardlow
79	Chellaston		

Notes

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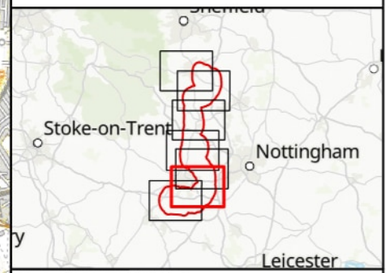

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RESIDENTIAL RECEPTORS

nationalgrid

Figure Number: Figure 6.7

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Scale	Sheet Size	Sheet	Issue
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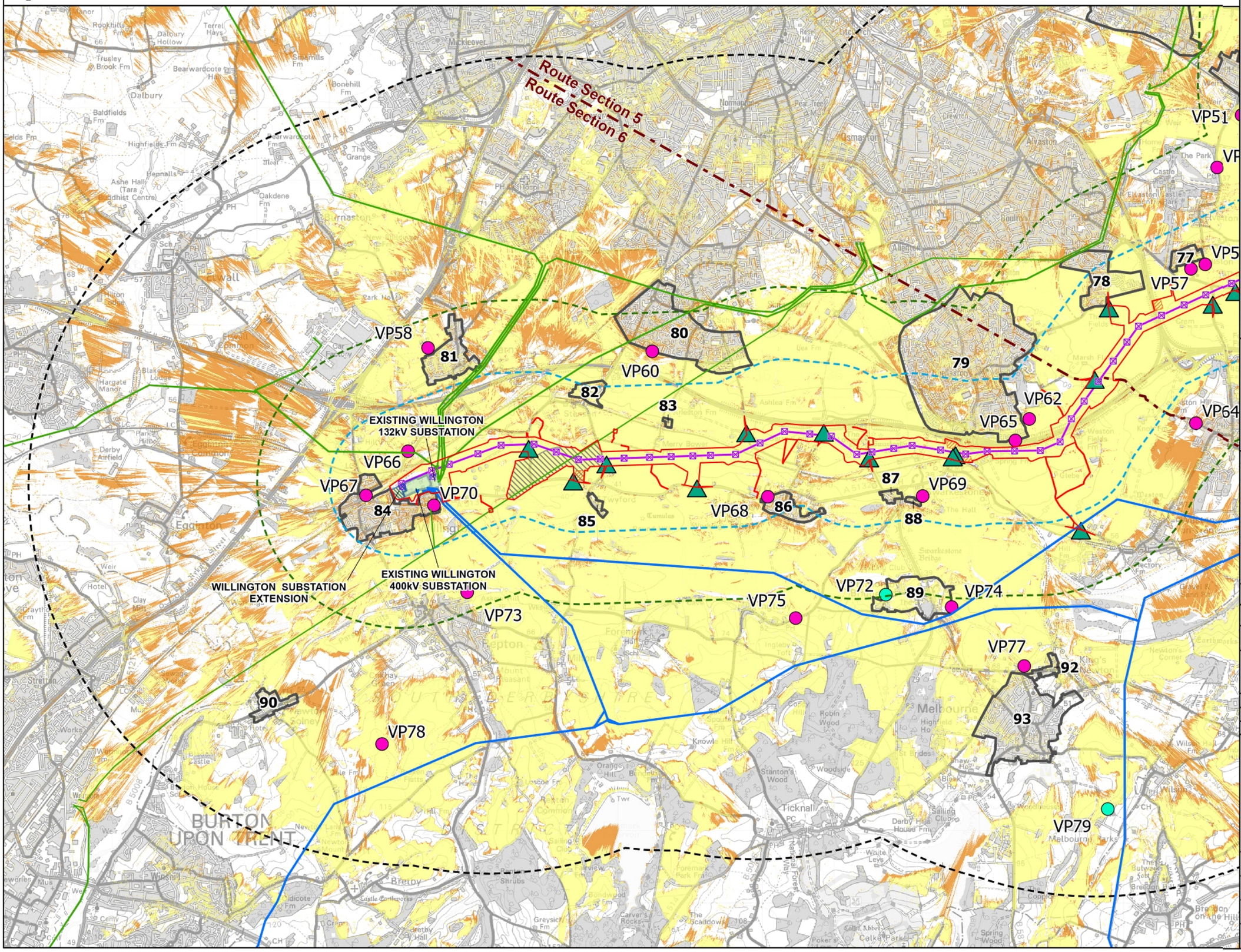
FIGURE 6.7:
SCREENED ZTV WITH RESIDENTIAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Willington Substation Extension
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Residential Receptors

ID	Settlements	ID	Settlements
72	Spondon	84	Willington
74	Borrowash	85	Twyford
77	Thulston	86	Barrow upon Trent
78	Boulton Moor	87	Swarkestone 1of2
79	Chellaston	88	Swarkestone 2of2
80	Stenson Fields & Sinfin South	89	Stanton by Bridge
81	Findern	90	Newton Solney
82	Stenson	92	Kings Newton
83	Arleston	93	Melbourne

Notes

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Sheet X Centroid Coordinate: 433056.17E Sheet Y Centroid Coordinate: 328896.62N

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RESIDENTIAL RECEPTORS

nationalgrid

Figure Number
Figure 6.7

Drawing Reference
EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-3

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS

VP1
VP2
VP4
VP5
VP6
VP7
VP80
EXISTING CHESTERFIELD 275kV SUBSTATION
EXISTING CHESTERFIELD 132kV SUBSTATION
South Chesterfield Golf Club
Grassmoor Country Park
CHESTERFIELD
CHESTERFIELD DISTRICT
NORTH EAST DERBYSHIRE DISTRICT

Legend

- Study Area (5km)
- Draft Order Limits

Existing Electrical Infrastructure
- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)
- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Peak District National Park
- Recreational Receptors

Long Distance Path
- Chesterfield Round
- Dronfield 2000 Rotary Walk
- Five Pits Trail

Public Rights of Way
- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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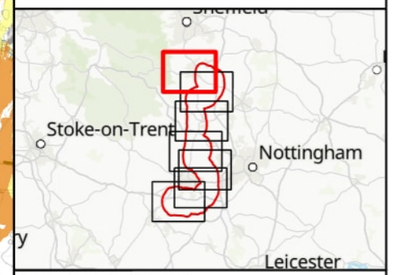

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number: Figure 6.8

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-2

Scale	Sheet Size	Sheet	Issue
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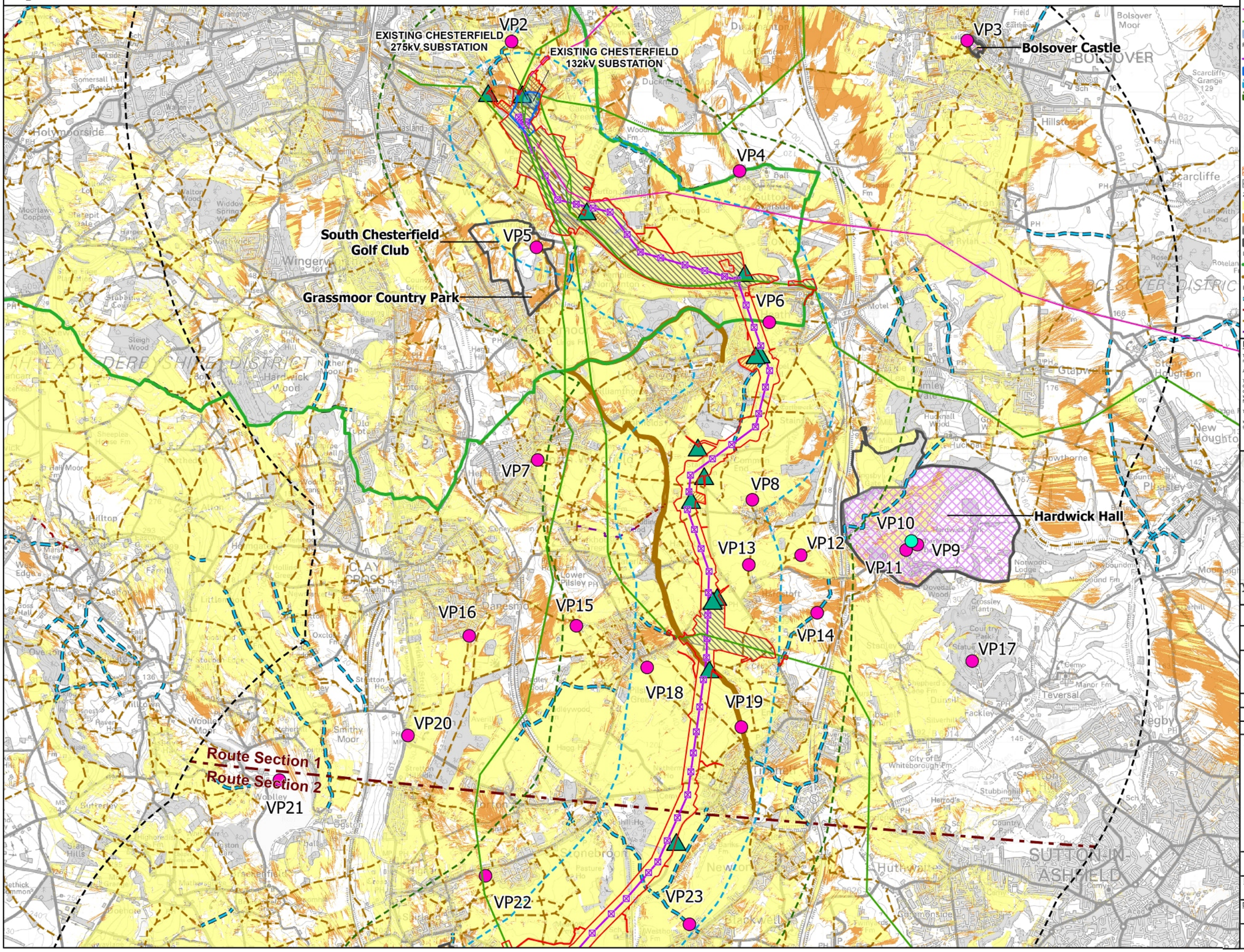
FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path

- Chesterfield Round
- Five Pits Trail

Public Rights of Way

- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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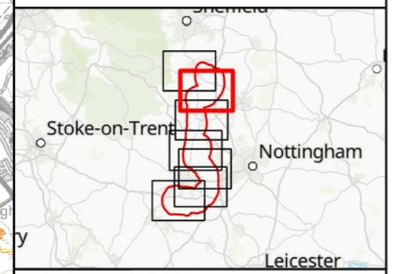

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Sheet X Centroid Coordinate: 442213.25E Sheet Y Centroid Coordinate: 364677.41N

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number: Figure 6.8

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-2

Scale	Sheet Size	Sheet	Issue
1:50,000	A3	SHEET 2 OF 7	1

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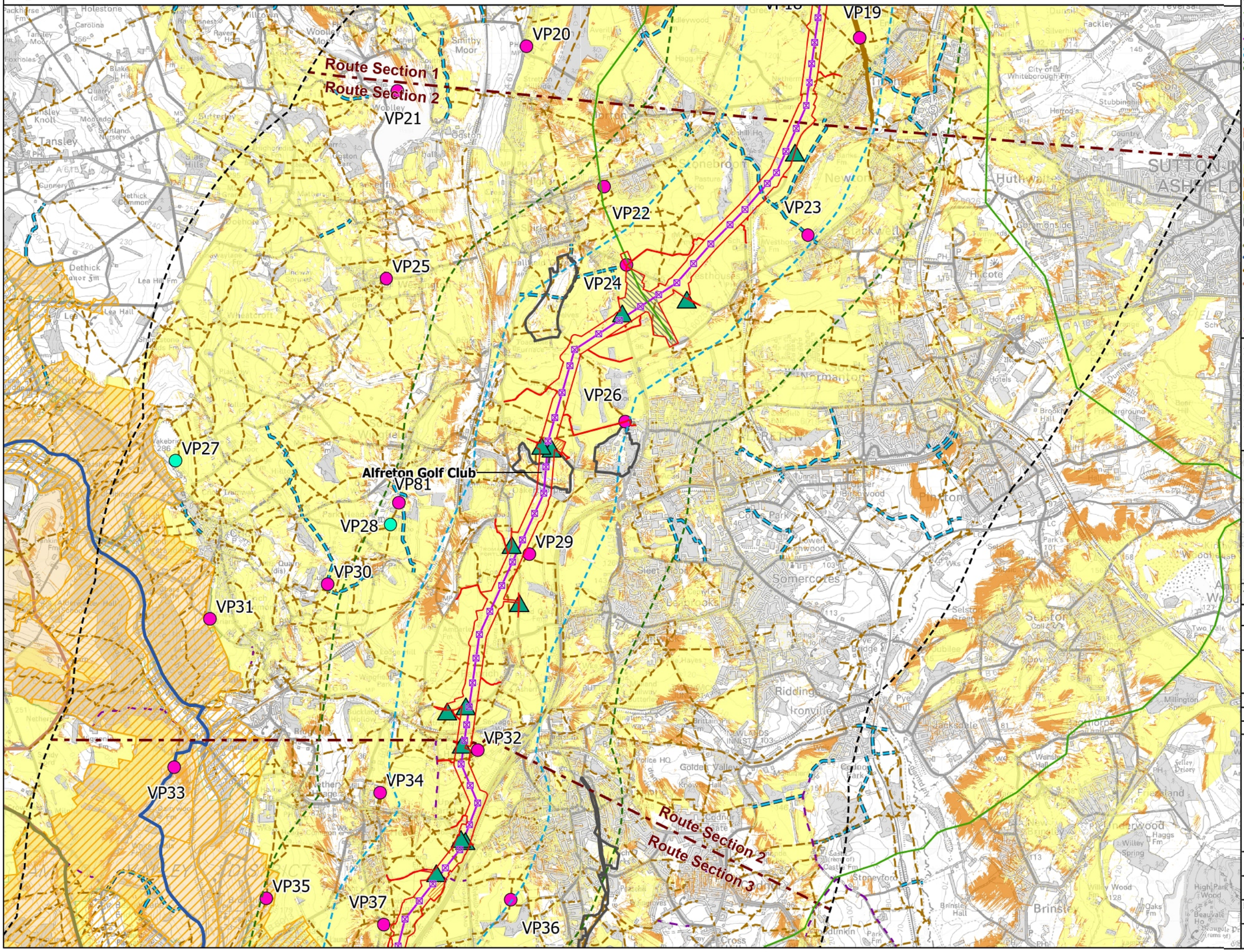
FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)
- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area
- Recreational Receptors

Long Distance Path
- Derbyshire Portway
- Derwent Valley Heritage Way
- Five Pits Trail
- Midshires Way

Public Rights of Way
- Bridleway
- Footpath
- Restricted Byway

Notes

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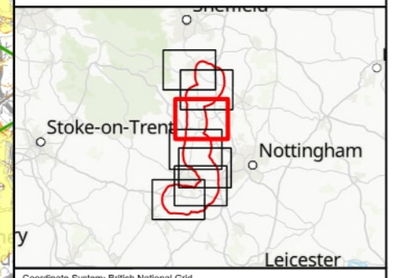

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 440581.3E Sheet Y Centroid Coordinate: 355146.92N

0 500 1,000 2,000 Metres

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	RS	BS	LM

Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number	Drawing Reference		
Figure 6.8	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-2		
Scale	**Sheet Size**	**Sheet**	**Issue**
1:50,000	A3	SHEET 3 OF 7	1

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FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS

VP32
VP33
VP34
VP35
VP36
VP37
VP38
VP39
VP40
VP41
VP42
VP43
VP44
VP45
VP46
VP47
VP63
VP82

Route Section 2
Route Section 3
Route Section 4

Legend

Study Area (5km)
Draft Order Limits
Route Section

Existing Electrical Infrastructure
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)
- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path
- Derby Nomad Way
- Derbyshire Portway
- Derwent Valley Heritage Way
- Centenary Way
- Midshires Way

Public Rights of Way
- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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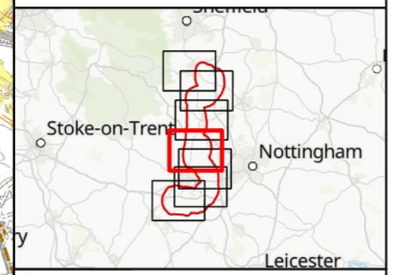

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 438666.33E Sheet Y Centroid Coordinate: 345227.65N

0 500 1,000 2,000
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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number	Drawing Reference		
Figure 6.8	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-2		
Scale	**Sheet Size**	**Sheet**	**Issue**
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FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS

VP40
VP41
VP42
VP43
VP63
VP82
VP44
VP45
VP46
VP47
VP48
VP49
VP50
VP51
VP52
VP53
VP54
VP55
Locko Park
Route Section 3
Route Section 4
Route Section 4
Route Section 5

Legend

Study Area (5km)
Draft Order Limits
Route Section

Existing Electrical Infrastructure
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)
- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path
- Derby Canal Ring
- Derby Nomad Way
- Derbyshire Portway
- Derwent Valley Heritage Way
- Centenary Way
- Midshires Way

Public Rights of Way
- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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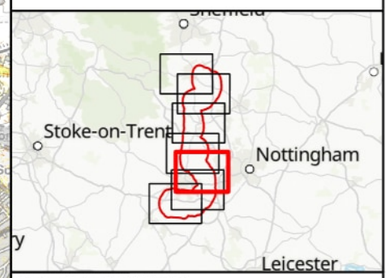

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 441679.12E Sheet Y Centroid Coordinate: 339231.85N

0 500 1,000 2,000 Metres

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CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number	Figure 6.8		
Drawing Reference	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-2		
Scale	Sheet Size	Sheet	Issue
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FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS

VP46
VP47
Locko Park
VP48
VP49
Route Section 4
Route Section 5
Route Section 5
Route Section 6
VP51
VP50
VP52
VP53
VP54
VP55
VP56
VP57
VP59
VP61
VP60
VP62
VP64
VP65
VP69
Swarkestone Old Hall
VP68
VP71
VP72
VP74
VP75

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure
- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)
- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path
- Derby Canal Ring
- Derby Nomad Way
- Derbyshire Portway
- Derwent Valley Heritage Way
- Midshires Way

Public Rights of Way
- Bridleway
- Footpath
- Restricted Byway

Notes

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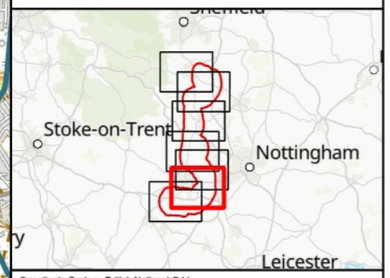

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 440284.4E Sheet Y Centroid Coordinate: 333385.31N

0 500 1,000 2,000 Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number: Figure 6.8

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000003-2

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.8:
SCREENED ZTV WITH RECREATIONAL RECEPTORS

Route Section 5
Route Section 6

VP51
VP
VP5
VP57
VP58
VP60
VP62
VP65
VP64
VP66
VP67
VP70
VP68
VP69
Swarkestone Old Hall
EXISTING WILLINGTON 132kV SUBSTATION
WILLINGTON SUBSTATION EXTENSION
EXISTING WILLINGTON 400kV SUBSTATION
VP73
VP75
VP72
VP74
VP77
VP78
VP79
BURTON UPON TRENT
Melbourne

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Willington Substation Extension
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path

- Derby Canal Ring
- Derby Nomad Way
- Derwent Valley Heritage Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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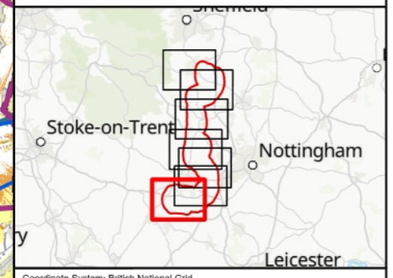

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 433056.17E Sheet Y Centroid Coordinate: 328896.62N

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV WITH
RECREATIONAL RECEPTORS

nationalgrid

Figure Number	Drawing Reference		
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Scale	Sheet Size	Sheet	Issue
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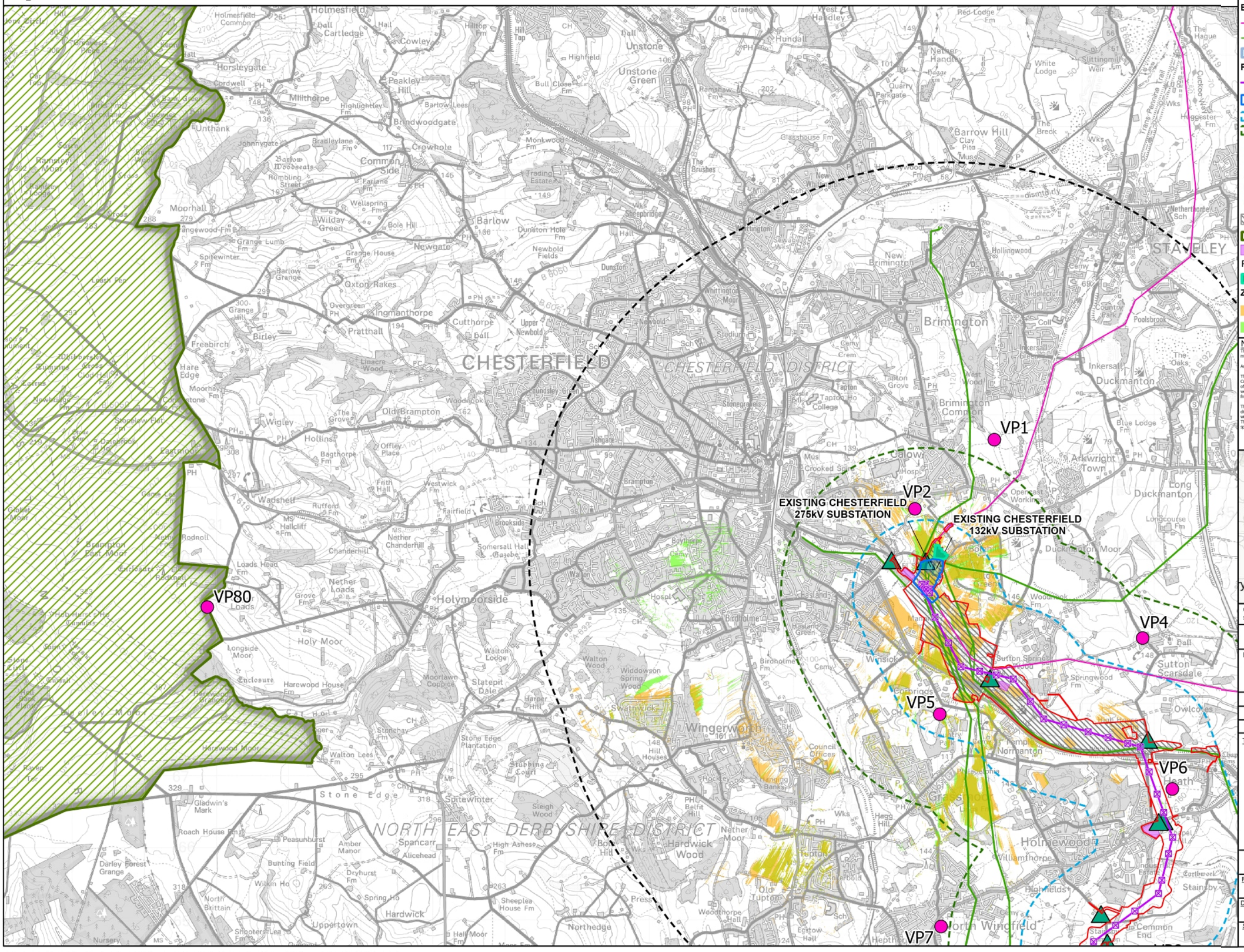
FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works
- Peak District National Park
- Proposed Satellite Construction Compound

Proposed Main Construction Compound

- Cock Alley

Zones of Theoretical Visibility (ZTV)

- New Chesterfield Substation - Indicative Boundary
- Main Construction Compound - Cock Alley

Notes

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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 436609.52E Sheet Y Centroid Coordinate: 371156.6N

0 500 1,000 2,000 Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

nationalgrid

Figure Number: Figure 6.9

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000106

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FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

EXISTING CHESTERFIELD 275kV SUBSTATION

EXISTING CHESTERFIELD 132kV SUBSTATION

VP2
VP3
VP4
VP5
VP6
VP7
VP8
VP9
VP10
VP11
VP12
VP13
VP14
VP15
VP16
VP17
VP18
VP19
VP20
VP21
VP22
VP23

Route Section 1
Route Section 2

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works
- Proposed Satellite Construction Compound

Proposed Main Construction Compound

- Cock Alley

Zones of Theoretical Visibility (ZTV)

- New Chesterfield Substation - Indicative Boundary
- Main Construction Compound - Cock Alley

Notes

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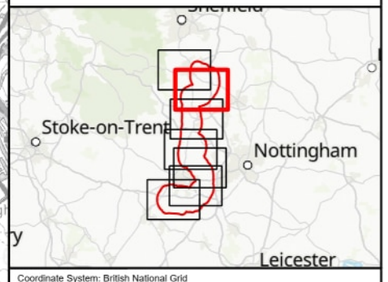

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Sheet X Centroid Coordinate: 442213.25E Sheet Y Centroid Coordinate: 364677.41N

0 500 1,000 2,000 Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

nationalgrid

Figure Number	Drawing Reference		
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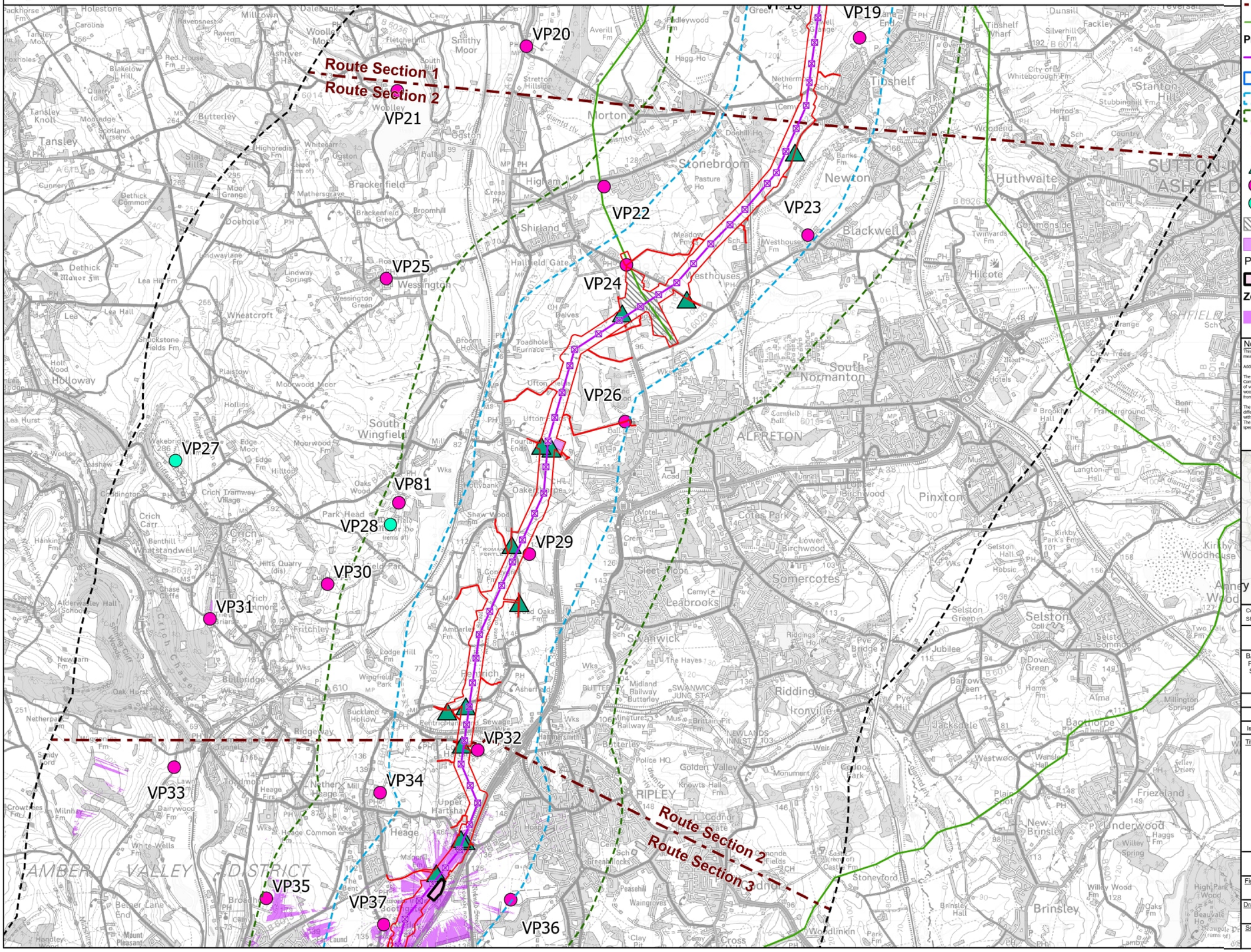
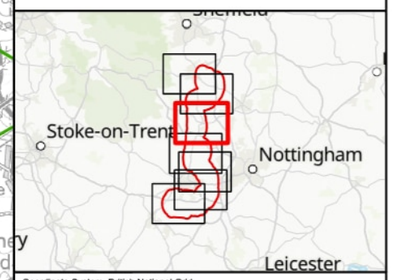
FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS





Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works
- Proposed Satellite Construction Compound

Proposed Main Construction Compound

- Upper Hartsway

Zones of Theoretical Visibility (ZTV)

- Main Construction Compound - Upper Hartsway

Notes

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0 500 1,000 2,000 Metres

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nationalgrid

Figure Number	Drawing Reference		
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FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

VP32
VP33
VP34
VP35
VP36
VP37
VP38
VP39
VP40
VP41
VP42
VP43
VP44
VP45
VP46
VP47
VP63
VP82

Route Section 2
Route Section 3
Route Section 4

AMBER VALLEY DISTRICT
BELPER
RIPLEY
HEANOR
EASTWOOD
Loscoe
Denby Village
Denby Bottles
Horsley
Horsley Woodhouse
Smalley
Smalley Common
Stanley Common
Stanley
Morley
Breadsall
Little Eaton
Duffield
Milford
Heage
Openwood
Blackbrook
Hazelwood
Shottle
Windley
Quarndon
Kirk Hallam
West Hallam
Brinsley
New Brinsley
Eastwood
Stoneyford
Mapperley
Shipley
Leicester
Nottingham
Stoke-on-Trent

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works

Proposed Main Construction Compound

- Upper Hartsway
- Morley Hayes

Zones of Theoretical Visibility (ZTV)

- Main Construction Compound - Upper Hartsway
- Main Construction Compound - Morley Hayes
- Main Construction Compound - Ockbrook

Notes

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Coordinate System: British National Grid
Sheet X Centroid Coordinate: 438666.33E Sheet Y Centroid Coordinate: 345227.65N

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	RS	BS	LM

Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

nationalgrid

Figure Number	Drawing Reference	Scale	Sheet Size	Sheet	Issue
Figure 6.9	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000106	1:50,000	A3	SHEET 4 OF 7	1

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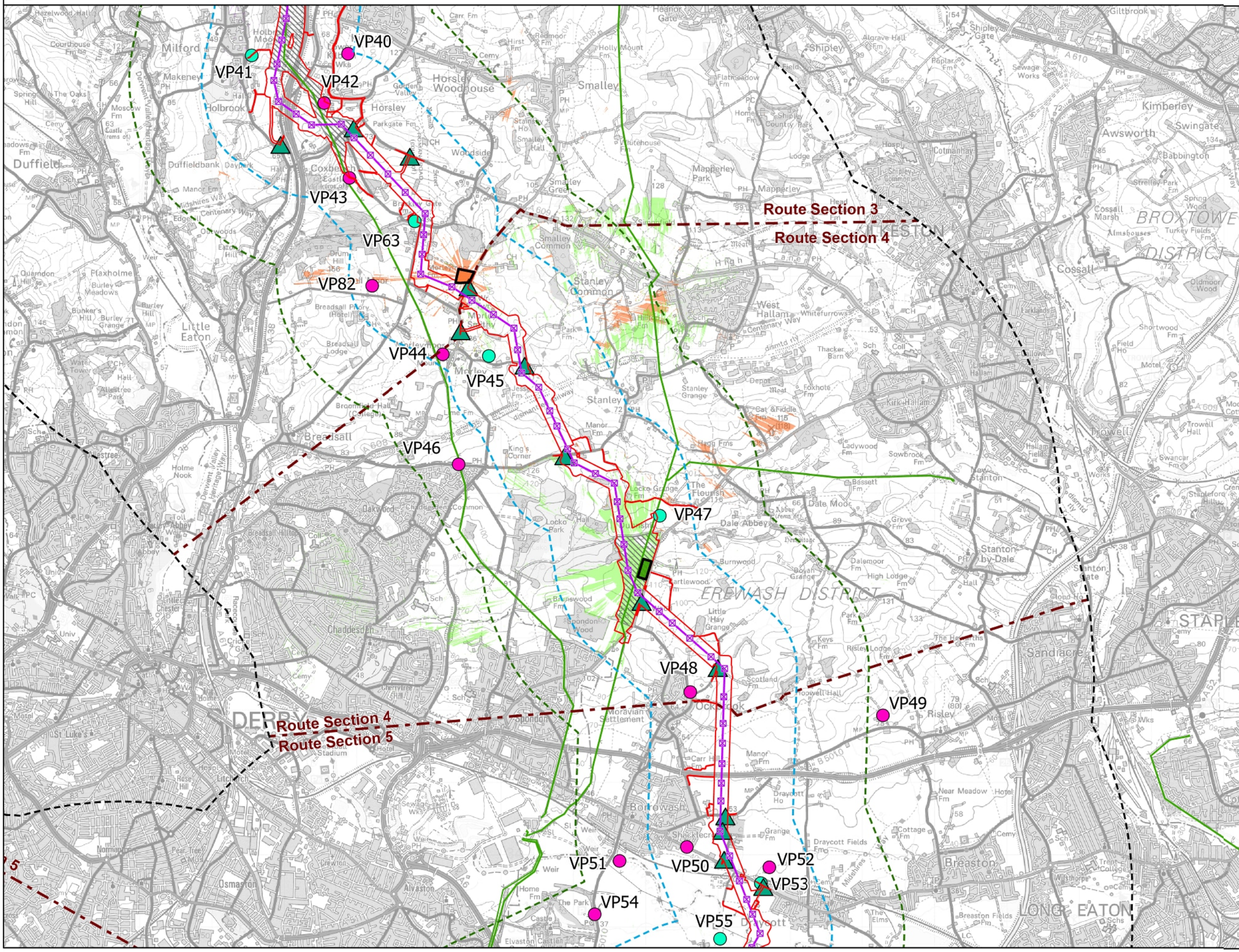
FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works

Proposed Main Construction Compound

- Morley Hayes
- Ockbrook

Zones of Theoretical Visibility (ZTV)

- Main Construction Compound - Upper Hartsway
- Main Construction Compound - Morley Hayes
- Main Construction Compound - Ockbrook

Notes

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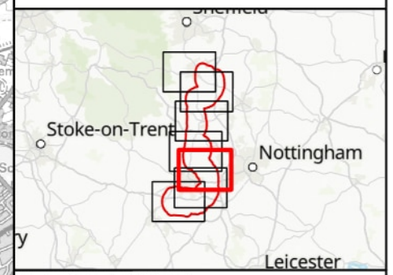

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 441679.12E Sheet Y Centroid Coordinate: 339231.85N

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

nationalgrid

Figure Number: Figure 6.9

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000106

Scale	Sheet Size	Sheet	Issue
1:50,000	A3	SHEET 5 OF 7	1

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FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

VP46
VP47
VP48
VP49
VP50
VP51
VP52
VP53
VP54
VP55
VP56
VP57
VP59
VP60
VP61
VP62
VP64
VP65
VP68
VP69
VP71
VP72
VP74
VP75

Route Section 4
Route Section 5
Route Section 5
Route Section 6

EREWASH DISTRICT

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works
- Proposed Satellite Construction Compound

Proposed Main Construction Compound

- Ockbrook

Zones of Theoretical Visibility (ZTV)

- Main Construction Compound - Morley Hayes
- Main Construction Compound - Ockbrook

Notes

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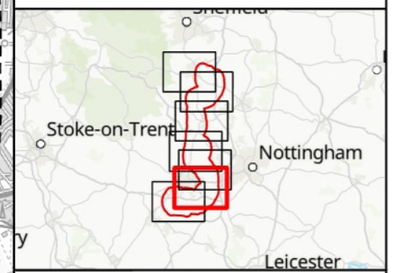

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Sheet X Centroid Coordinate: 440284.4E Sheet Y Centroid Coordinate: 333385.31N

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

nationalgrid

Figure Number: Figure 6.9

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000106

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.9:
SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

Route Section 5
Route Section 6

VP51
VP57
VP58
VP60
VP62
VP64
VP65
VP66
VP67
VP68
VP69
VP70
VP72
VP73
VP74
VP75
VP77
VP78
VP79

EXISTING WILLINGTON 132kV SUBSTATION
EXISTING WILLINGTON 400kV SUBSTATION
WILLINGTON SUBSTATION EXTENSION

SOUTH DERBYSHIRE DISTRICT
BURTON UPON TRENT

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation Site Boundary

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- Indicative New Chesterfield Substation Site Boundary
- 1km Buffer (Overhead Line)
- 2km Buffer (Overhead Line)
- Indicative New Gantries
- Indicative New Pylon Location
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Statutory Undertaker Diversion Works
- Proposed Satellite Construction Compound
- Willington Substation Extension

Zones of Theoretical Visibility (ZTV)

- Main Construction Compound - Ockbrook

Notes

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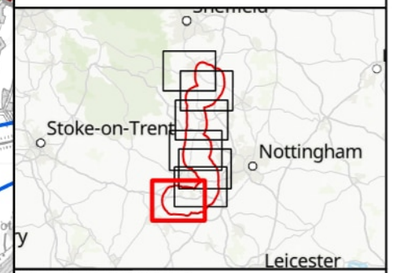

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Sheet X Centroid Coordinate: 433056.17E Sheet Y Centroid Coordinate: 328896.62N

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV CHESTERFIELD NEW-BUILD 400KV SUBSTATION AND MAIN CONSTRUCTION COMPOUNDS

nationalgrid

Figure Number: Figure 6.9

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000106

Scale	Sheet Size	Sheet	Issue
1:50,000	A3	SHEET 7 OF 7	1

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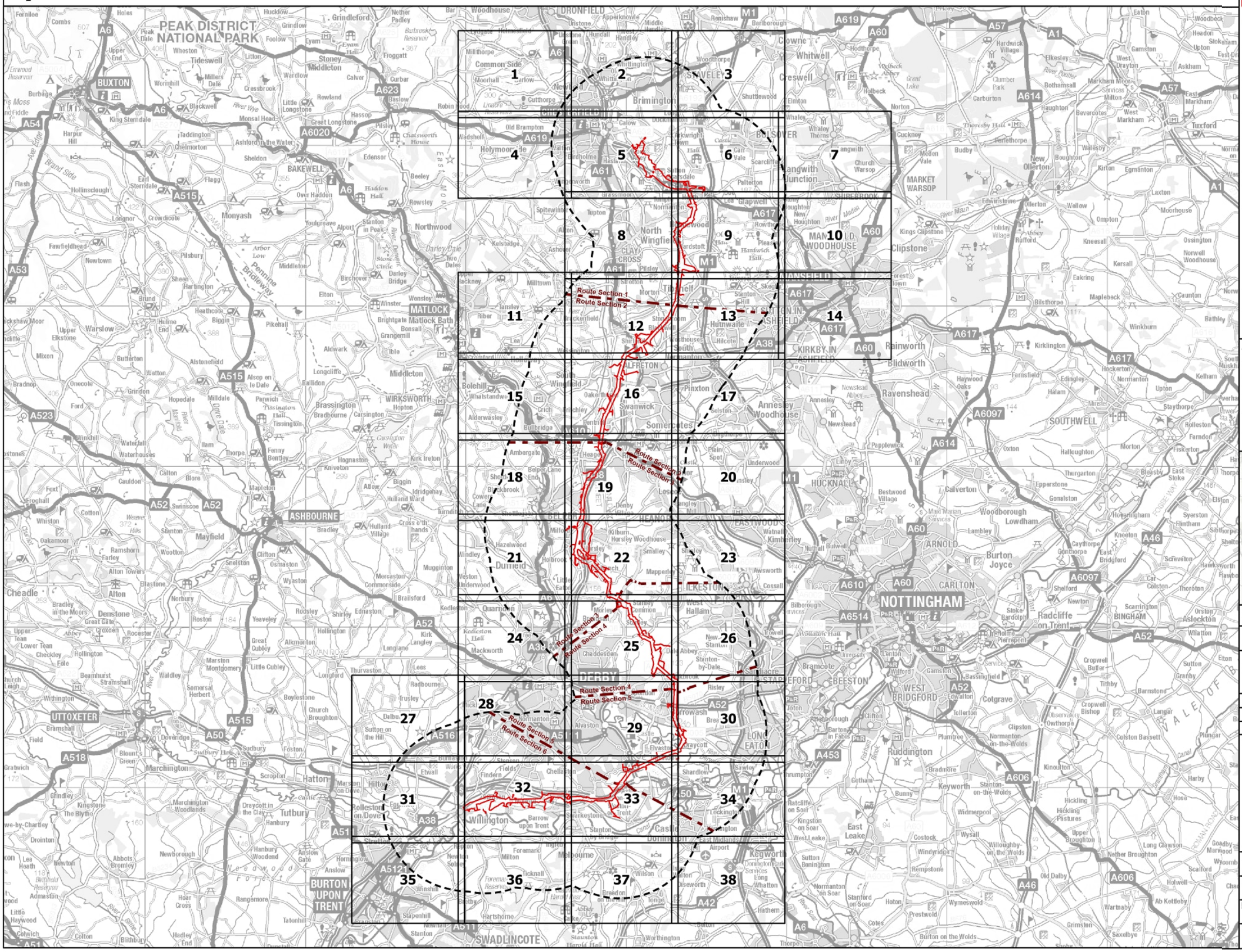
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Notes

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
1:225,000	A3	Overview	1

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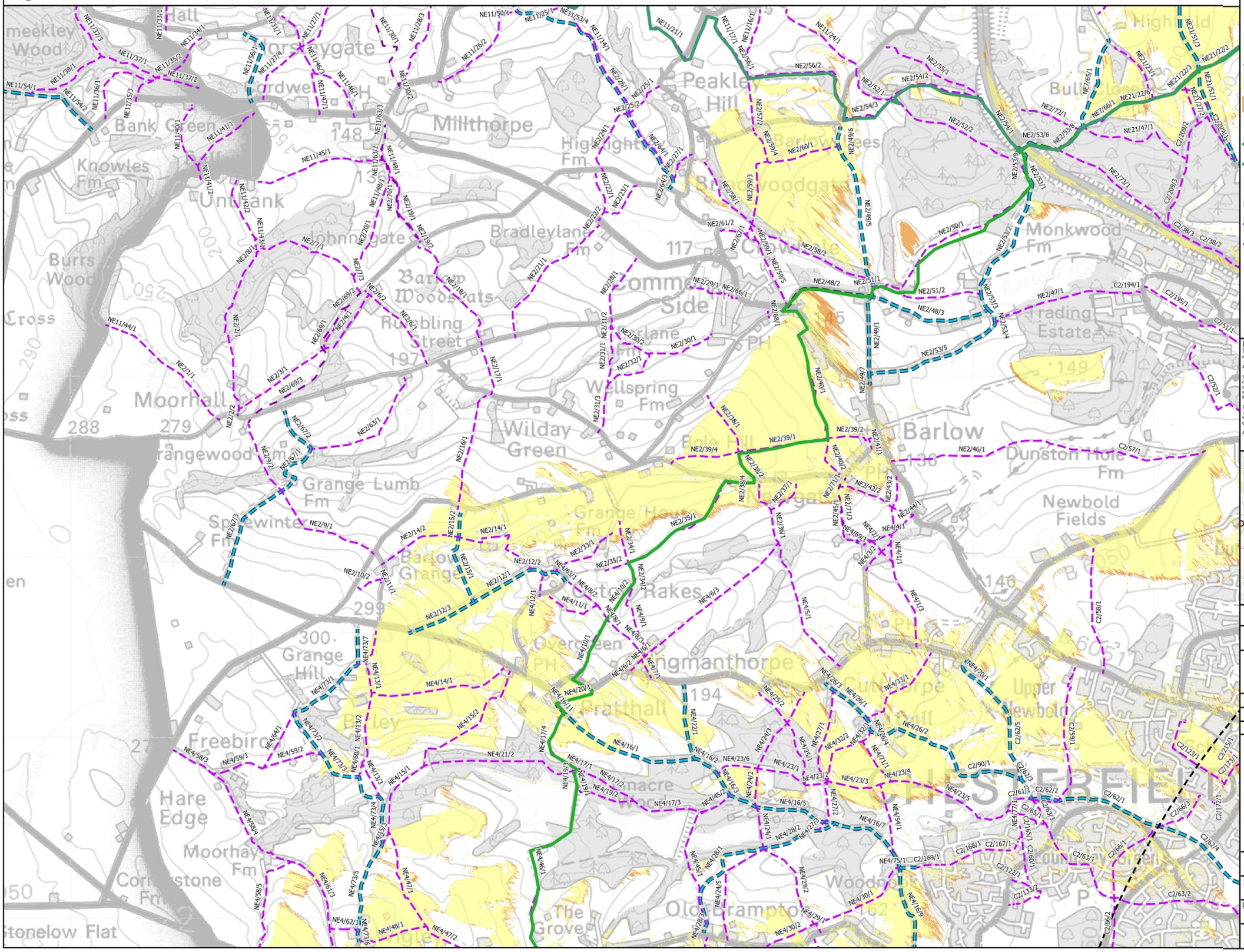
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Chesterfield Round
- Dronfield 2000 Rotary Walk

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 1 OF 38	1

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FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

Legend

- Study Area (5km)
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Chesterfield Round
- Dronfield 2000 Rotary Walk

Public Rights of Way

- Bridleway
- Footpath

Notes

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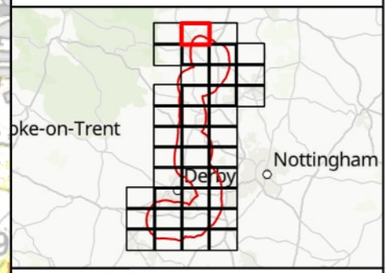

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CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
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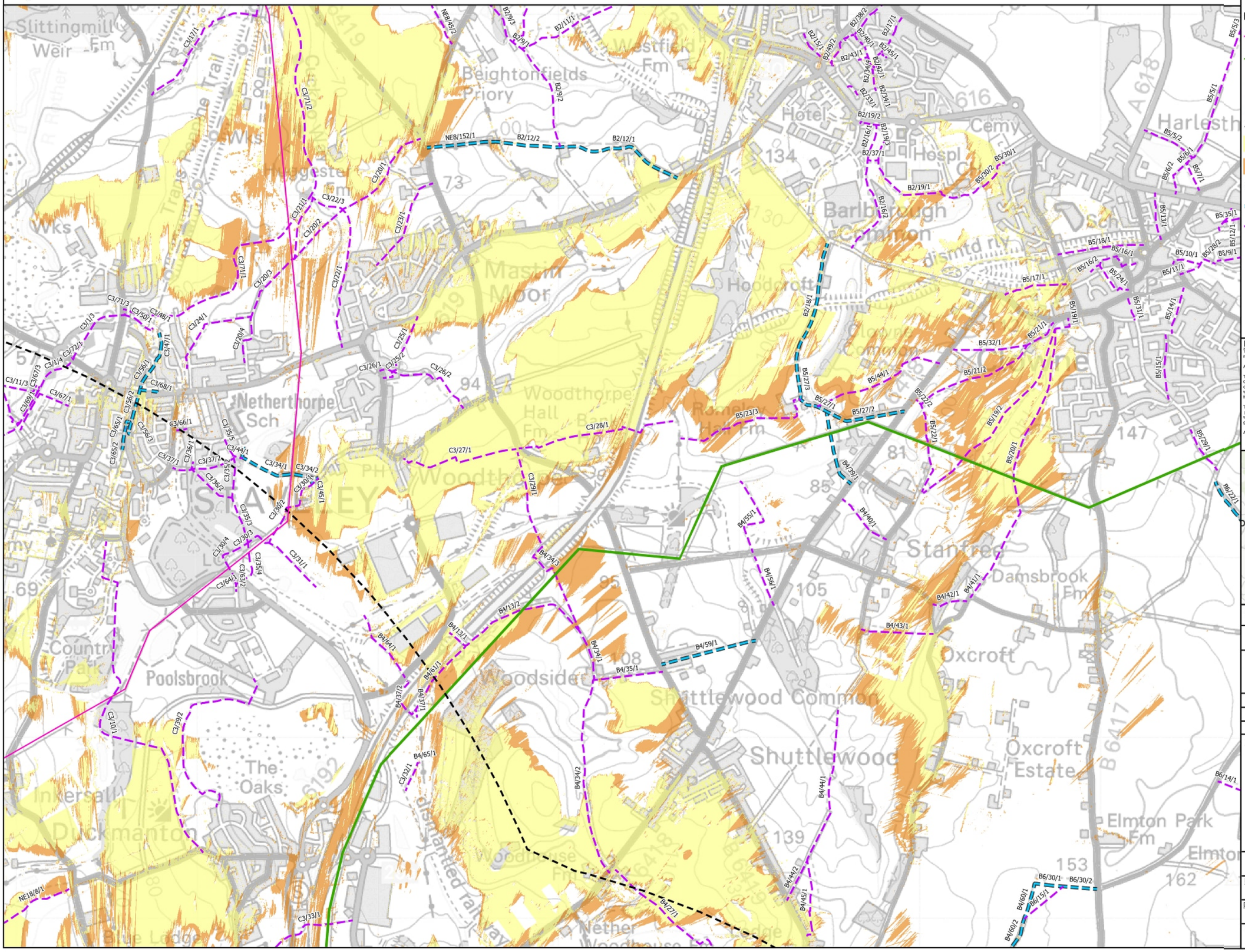
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath

Notes

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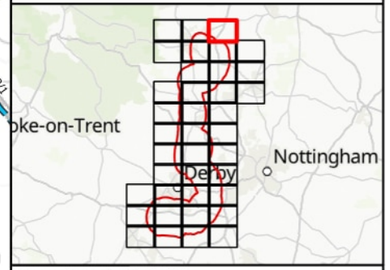

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

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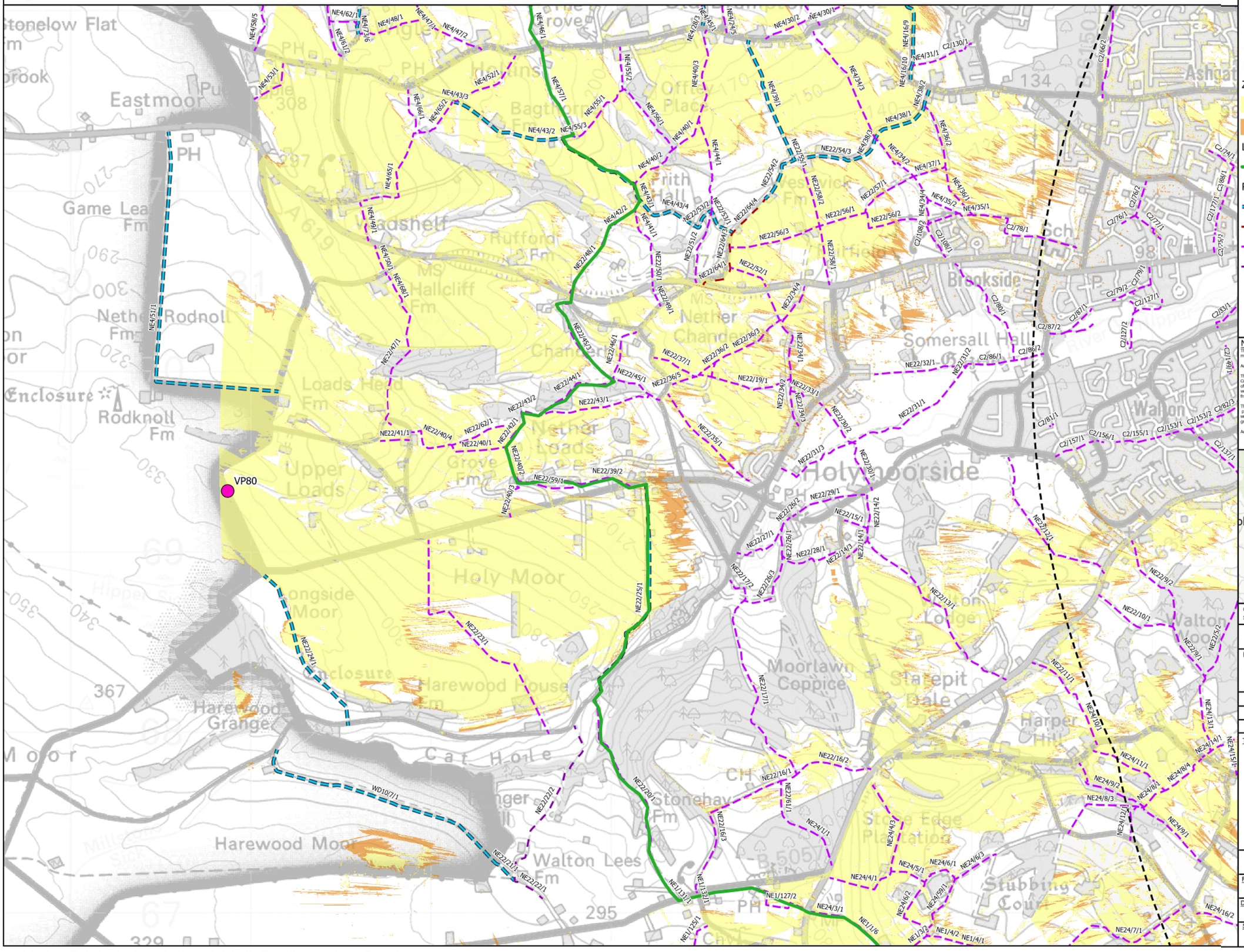
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Chesterfield Round

Public Rights of Way

- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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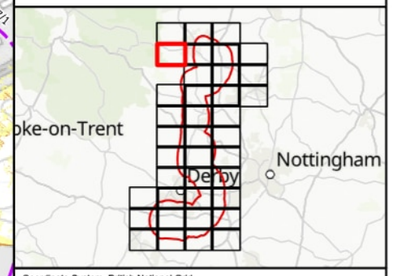

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 433054.93E Sheet Y Centroid Coordinate: 369423.16N

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	AC	BS	LM

Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 4 OF 38	1

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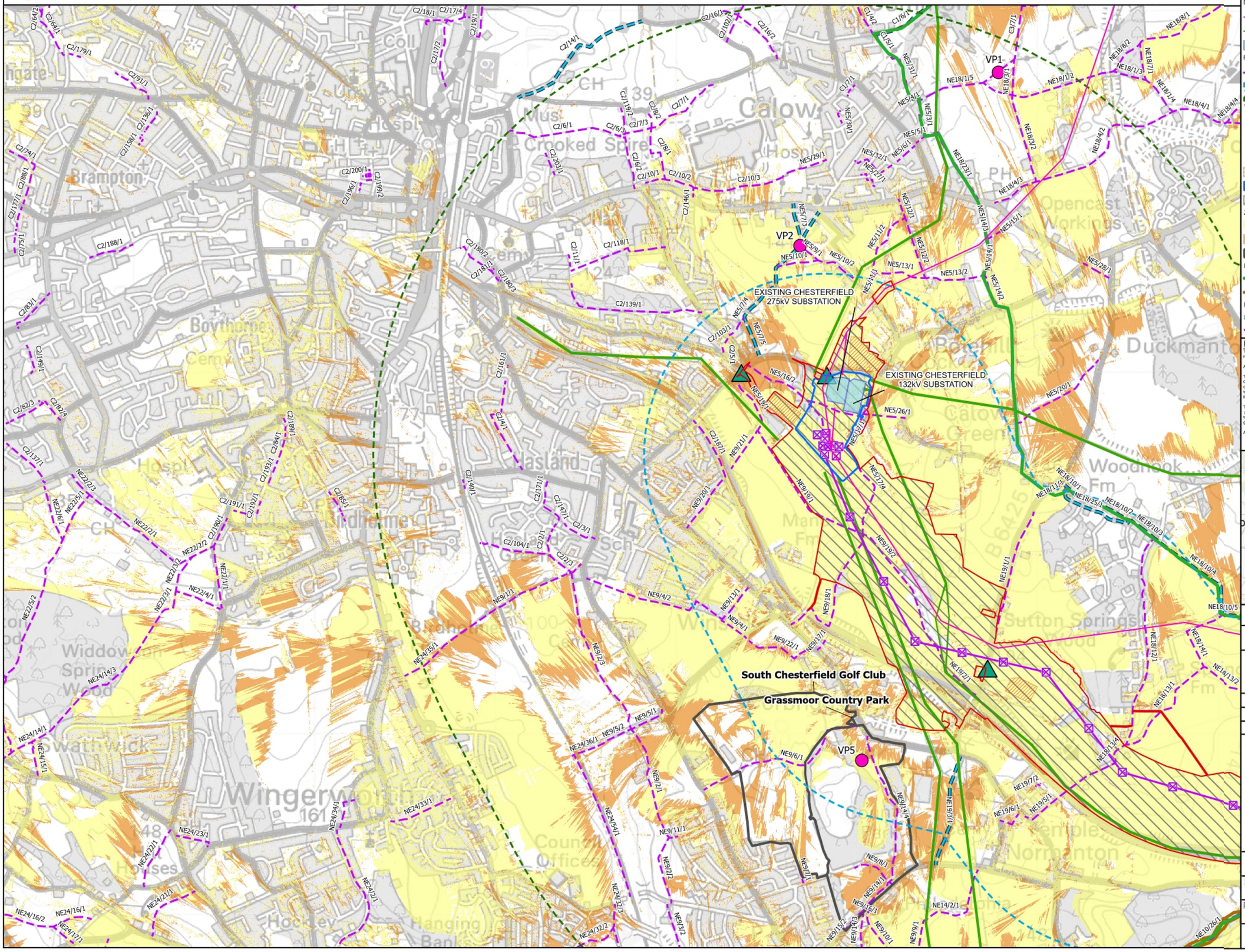
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line
- Existing Substation

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Indicative Construction Compound
- Indicative New Chesterfield Substation Site Boundary
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Recreational Receptors

Long Distance Path

- Chesterfield Round
- Five Pits Trail

Public Rights of Way

- Bridleway
- Footpath

Notes

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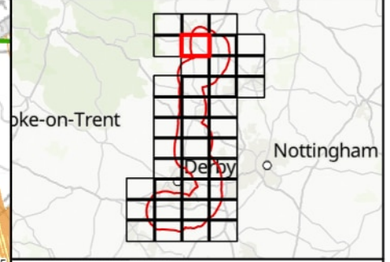

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 439704.93E Sheet Y Centroid Coordinate: 369423.16N

0 200 400 800 Metres

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CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
1:20,000	A3	SHEET 5 OF 38	1

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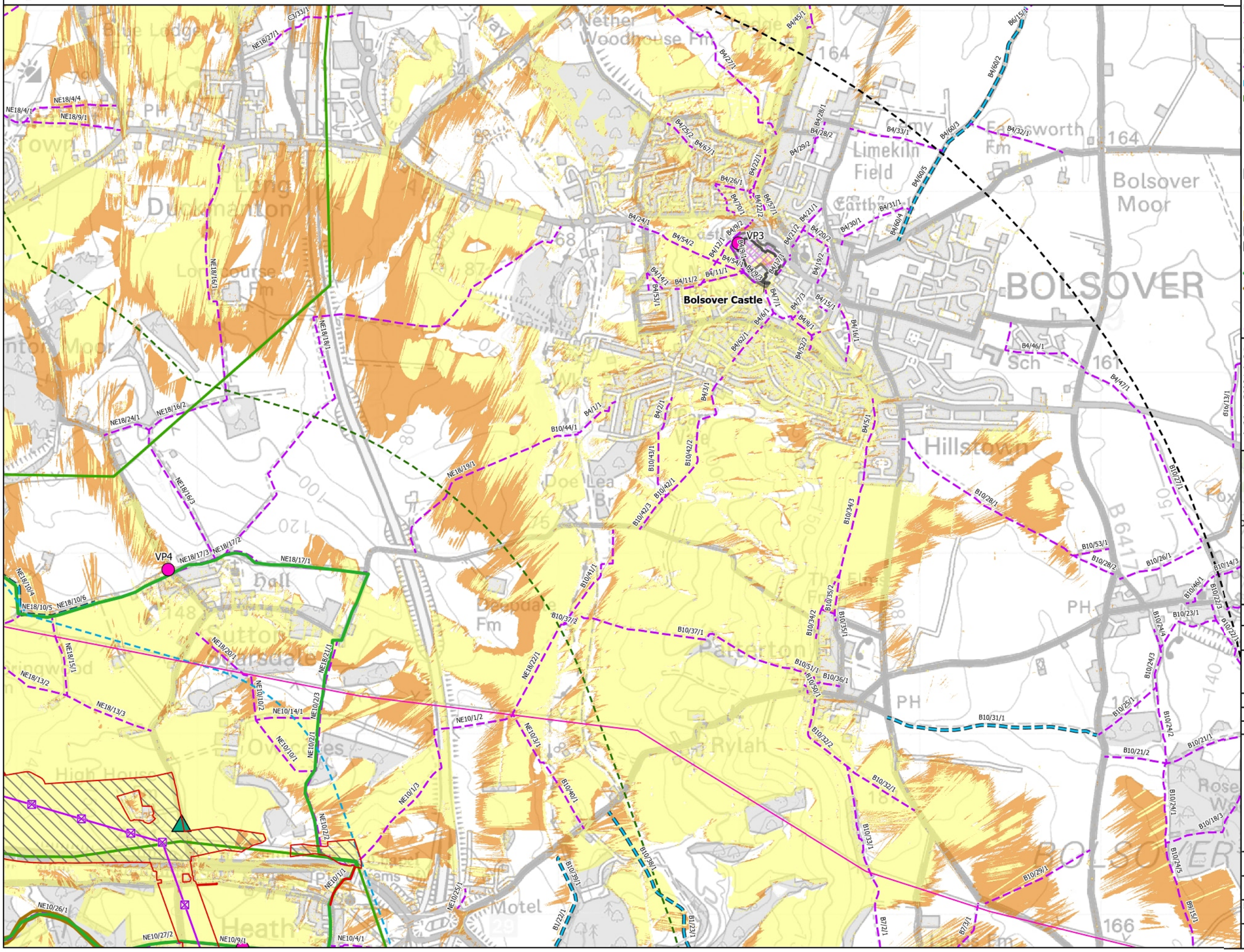
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line

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- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
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- Recreational Receptors

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- Five Pits Trail

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- Footpath

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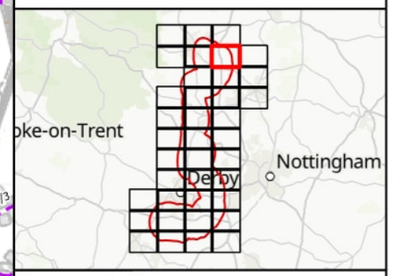

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 446354.93E Sheet Y Centroid Coordinate: 369423.16N

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Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 6 OF 38	1

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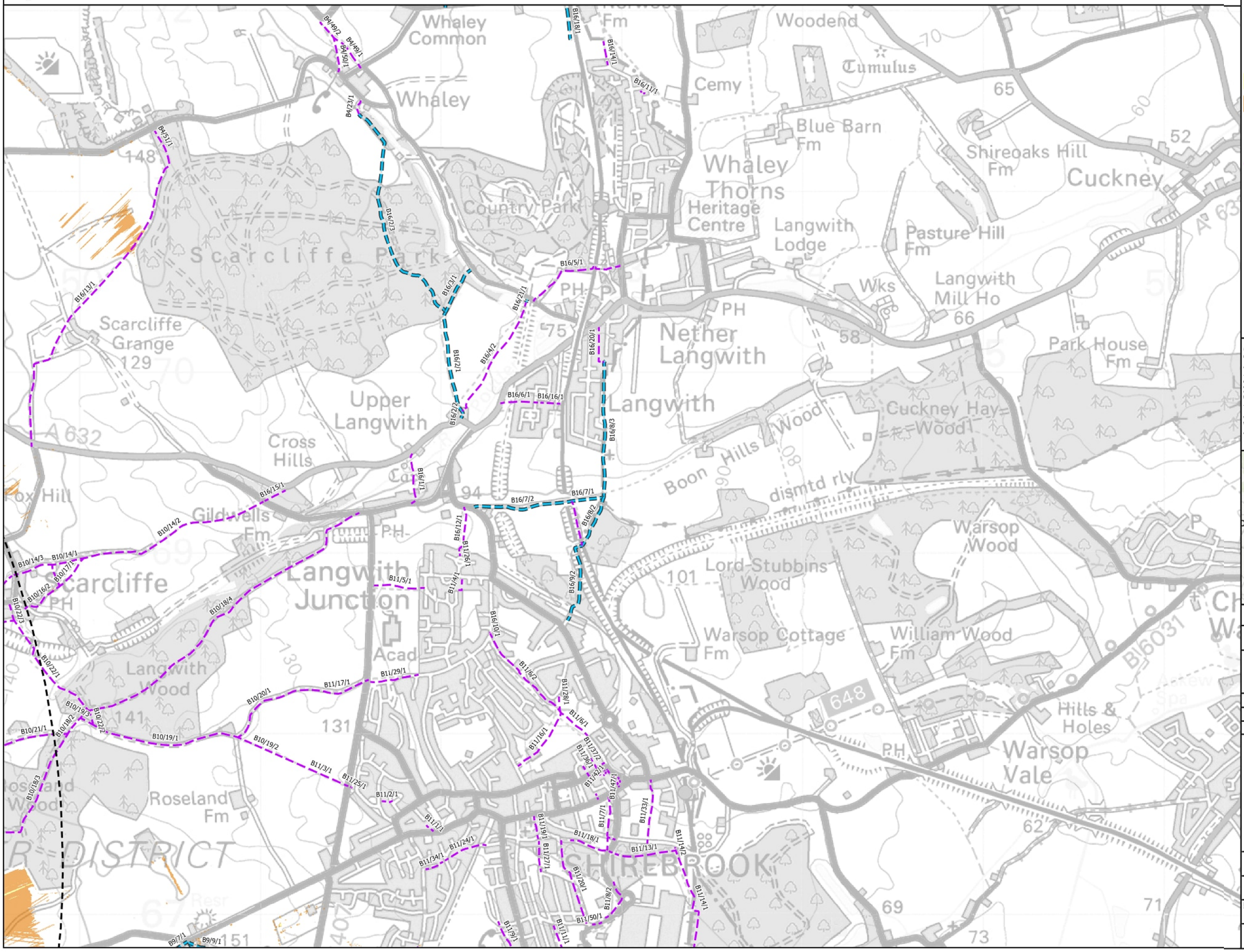
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath

Notes

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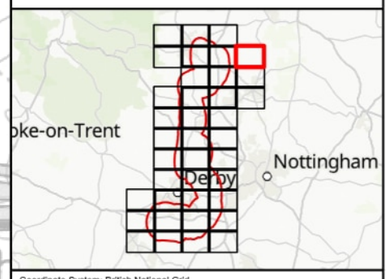

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 453004.93E Sheet Y Centroid Coordinate: 369423.16N

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 7 OF 38	1

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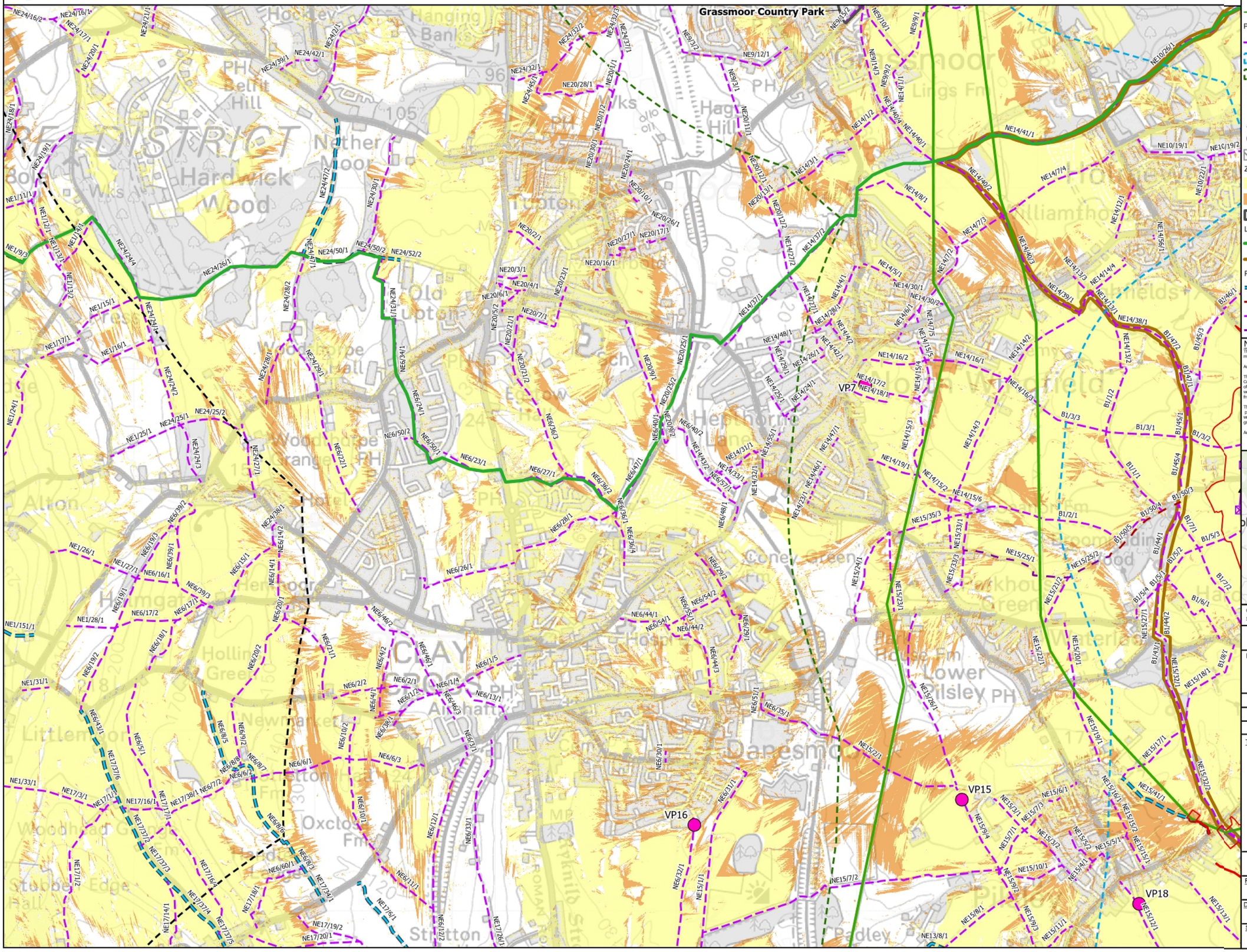
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY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VP15
VP16
VP18
Peak District
Hardwick Wood
Old Tupton
Clay Cross
Dapesmoor
Pilsley
Lower Pilsley
Hollingwood
Stonebroom
Shirland
Alton
Stretton
Oxcroft
Woodthorpe
Tupton
Hardstoft
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Hollingwood Fm
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Shirland Fm
Coney Green
Hagg Hill
Nether Moor
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Hanging Banks
Hockley
Woodthorpe Hall
Tupton Hall
Alton Manor
Hollingwood Hall
Stonebroom Hall
Shirland Hall
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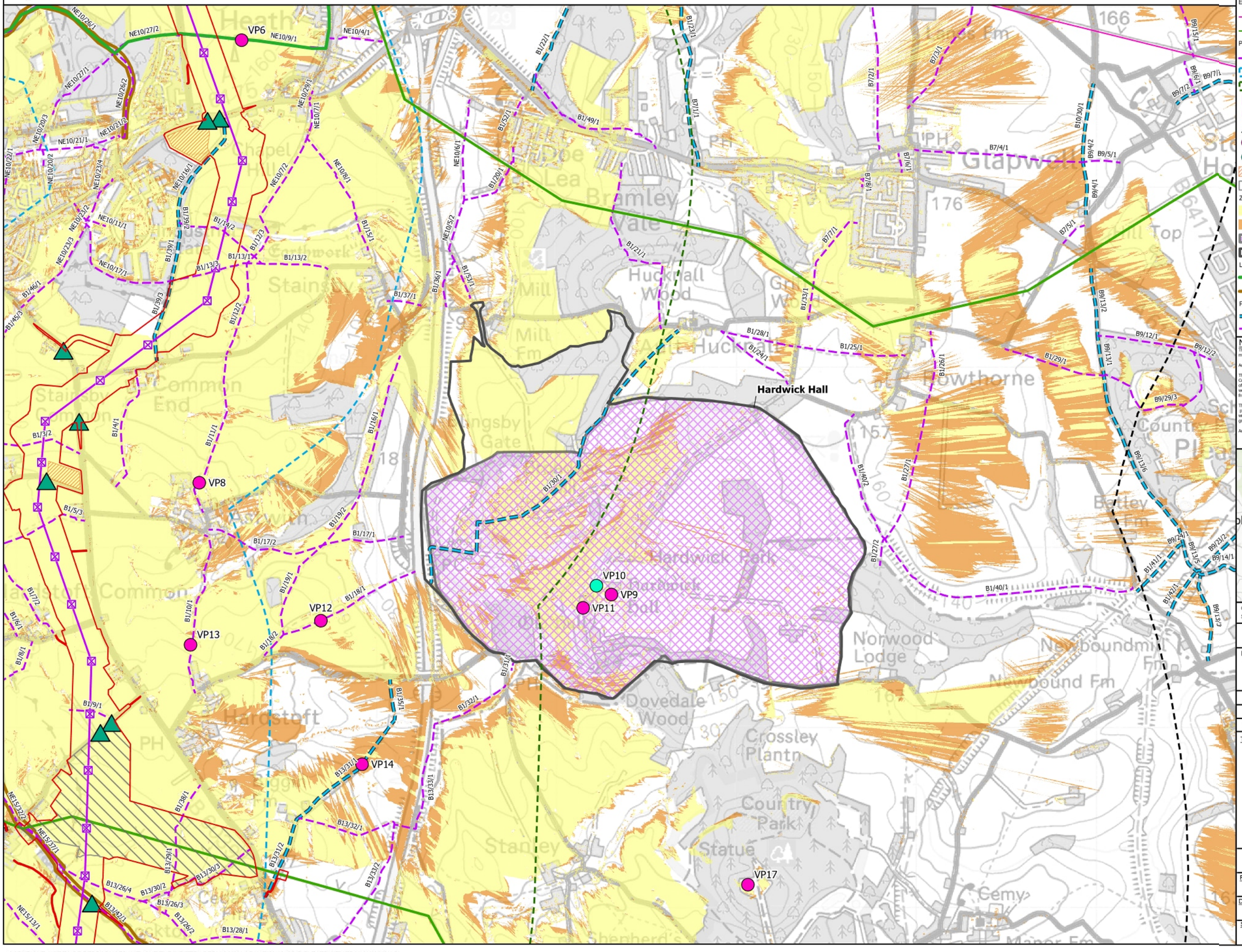
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 275kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
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- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path

- Chesterfield Round
- Five Pits Trail

Public Rights of Way

- Bridleway
- Footpath

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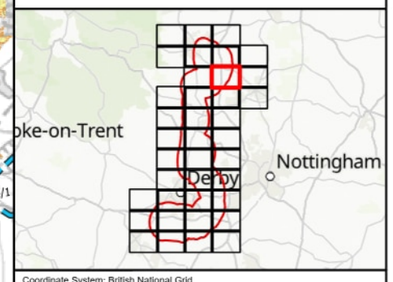

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
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Scale	**Sheet Size**	**Sheet**	**Issue**
1:20,000	A3	SHEET 9 OF 38	1

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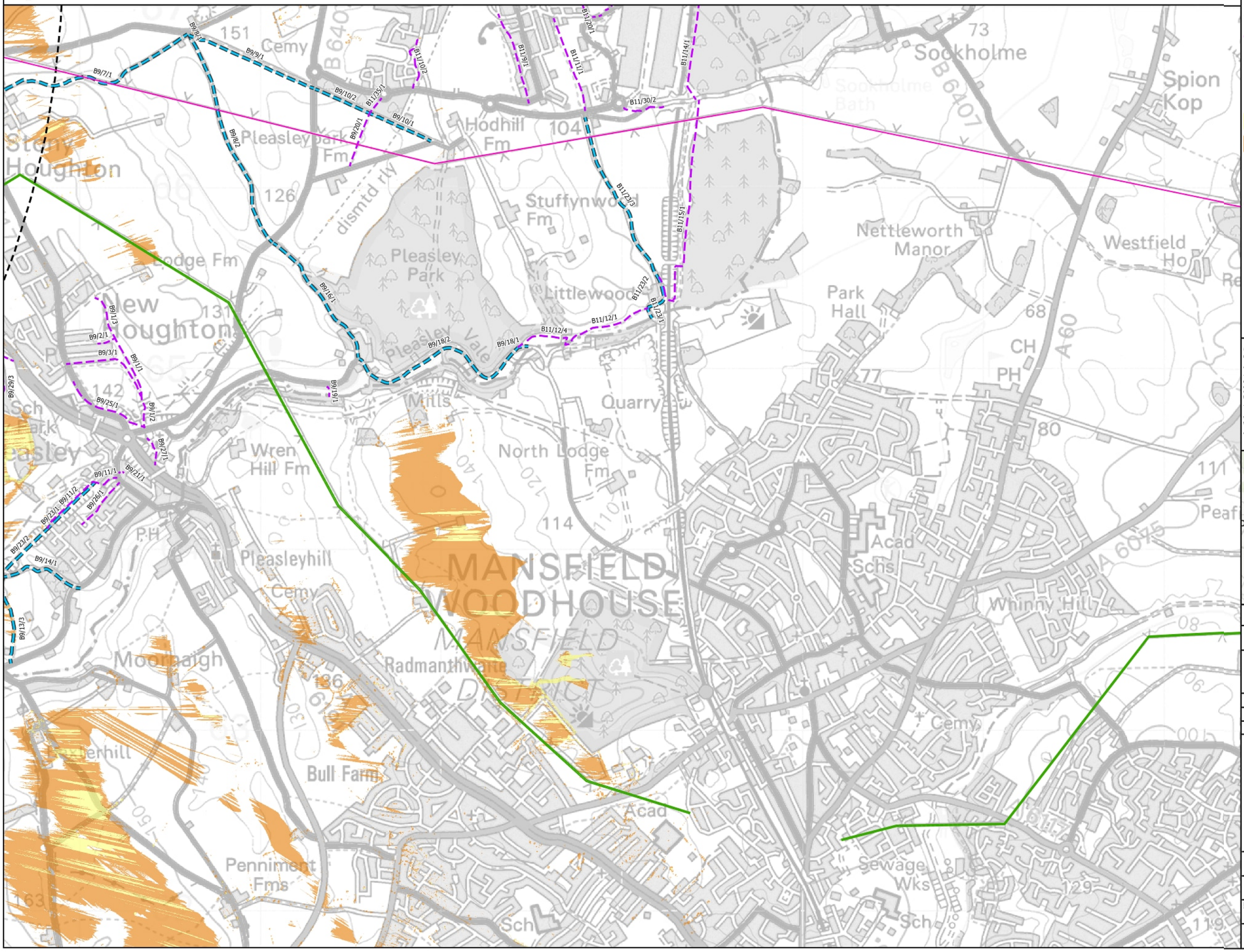
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

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- 275kV Overhead Line
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

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- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath

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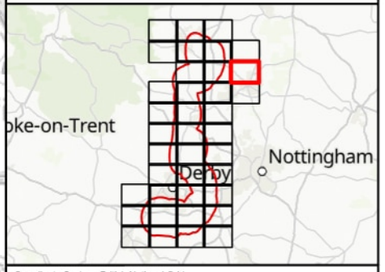

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0 200 400 800 Metres

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	AC	BS	LM

Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 10 OF 38	1

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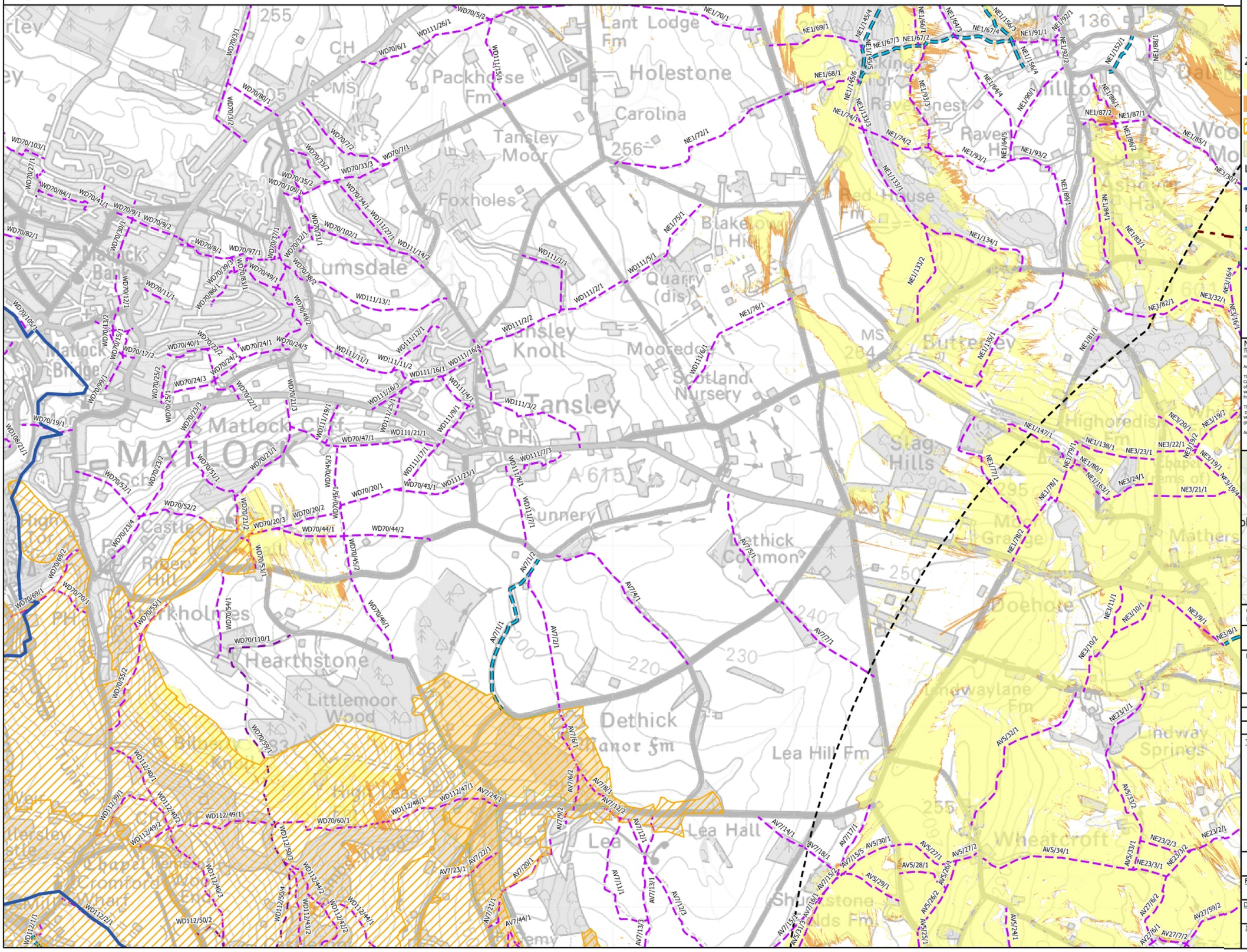
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area

Long Distance Path

- Derwent Valley Heritage Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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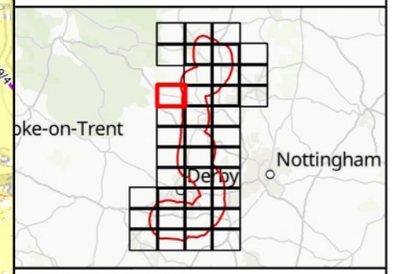

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 433054.93E Sheet Y Centroid Coordinate: 359383.16N

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Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

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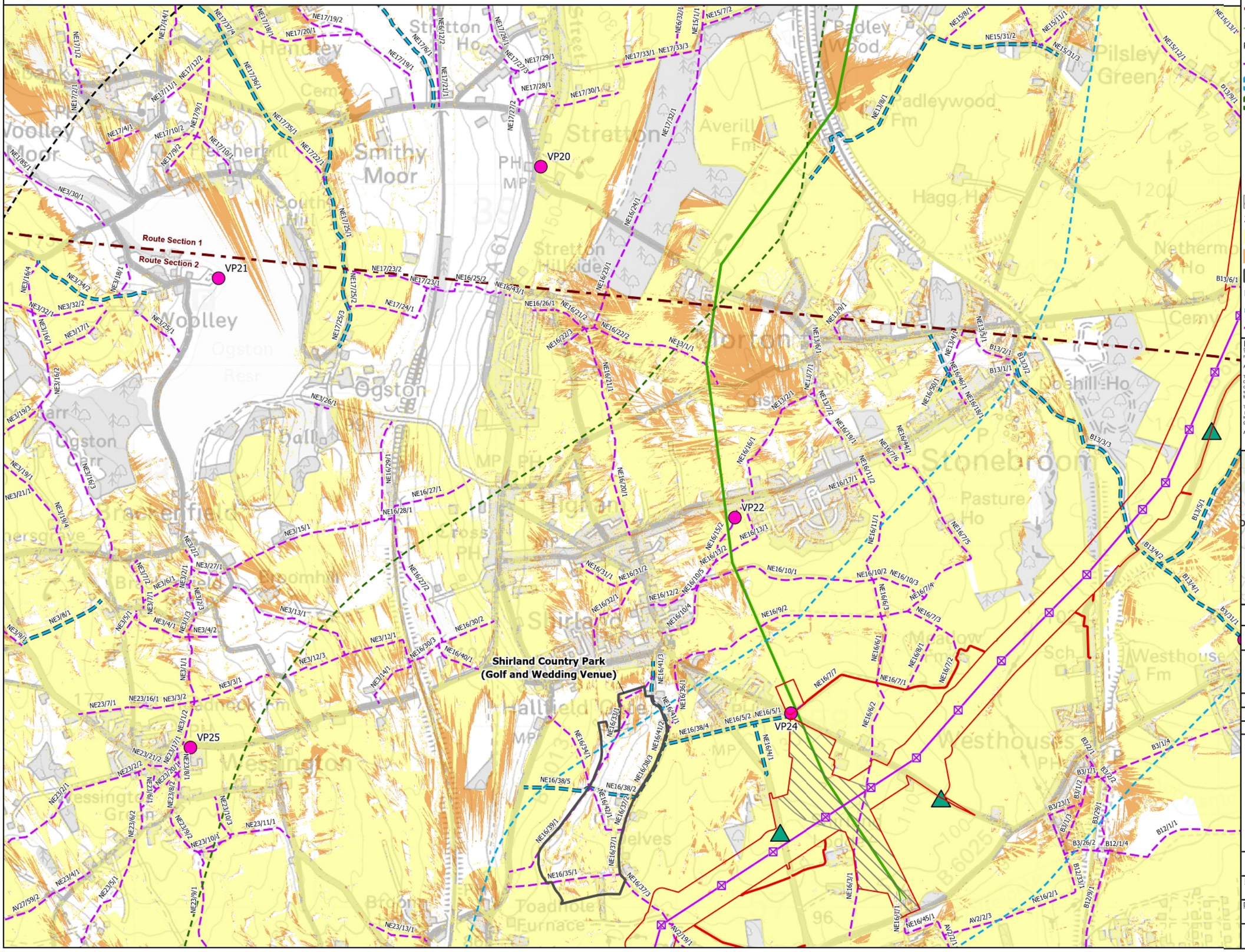
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Recreational Receptors

Public Rights of Way

- Bridleway
- Footpath

Notes

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE -
PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
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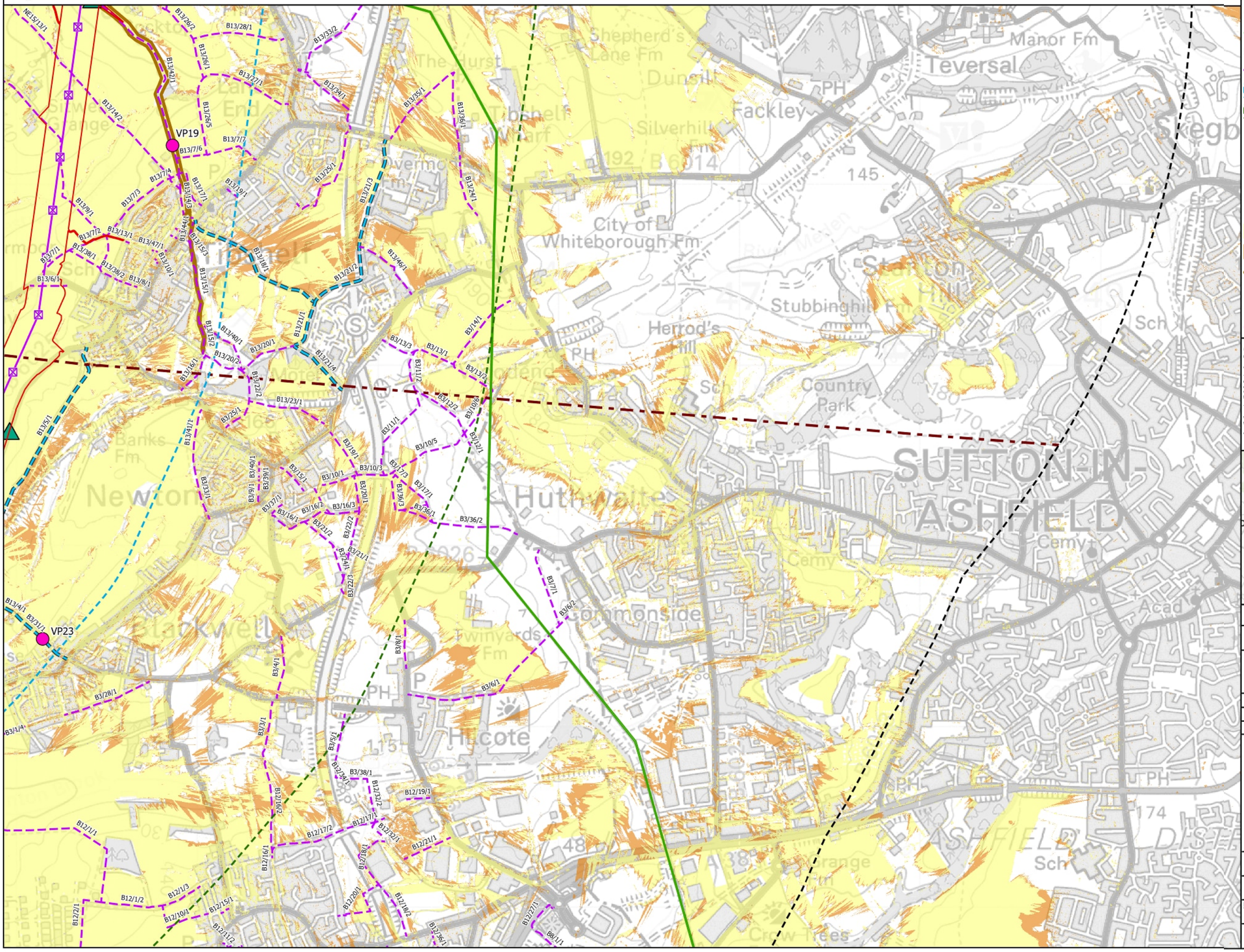
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Five Pits Trail

Public Rights of Way

- Bridleway
- Footpath

Notes

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

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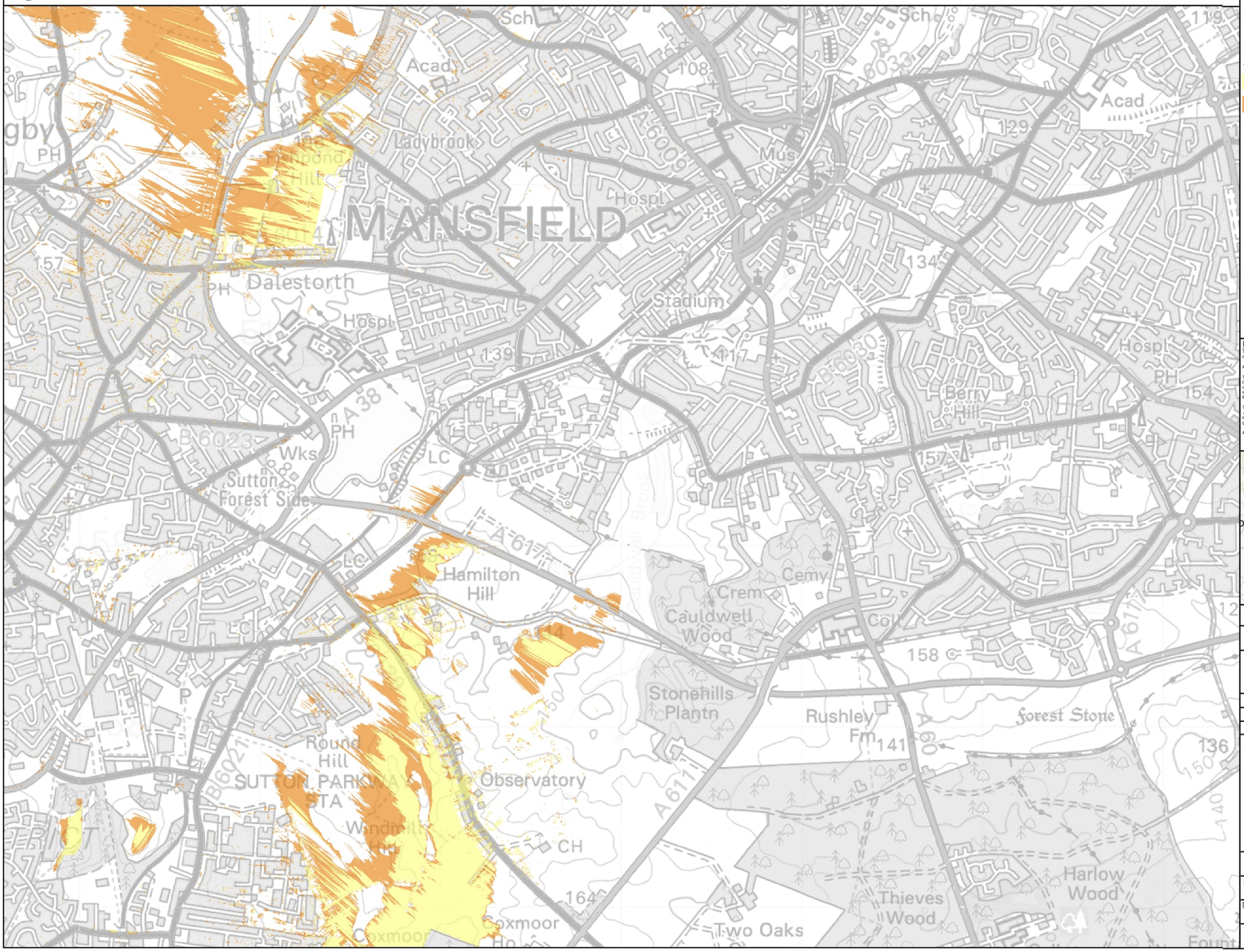
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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Figure Number	Drawing Reference		
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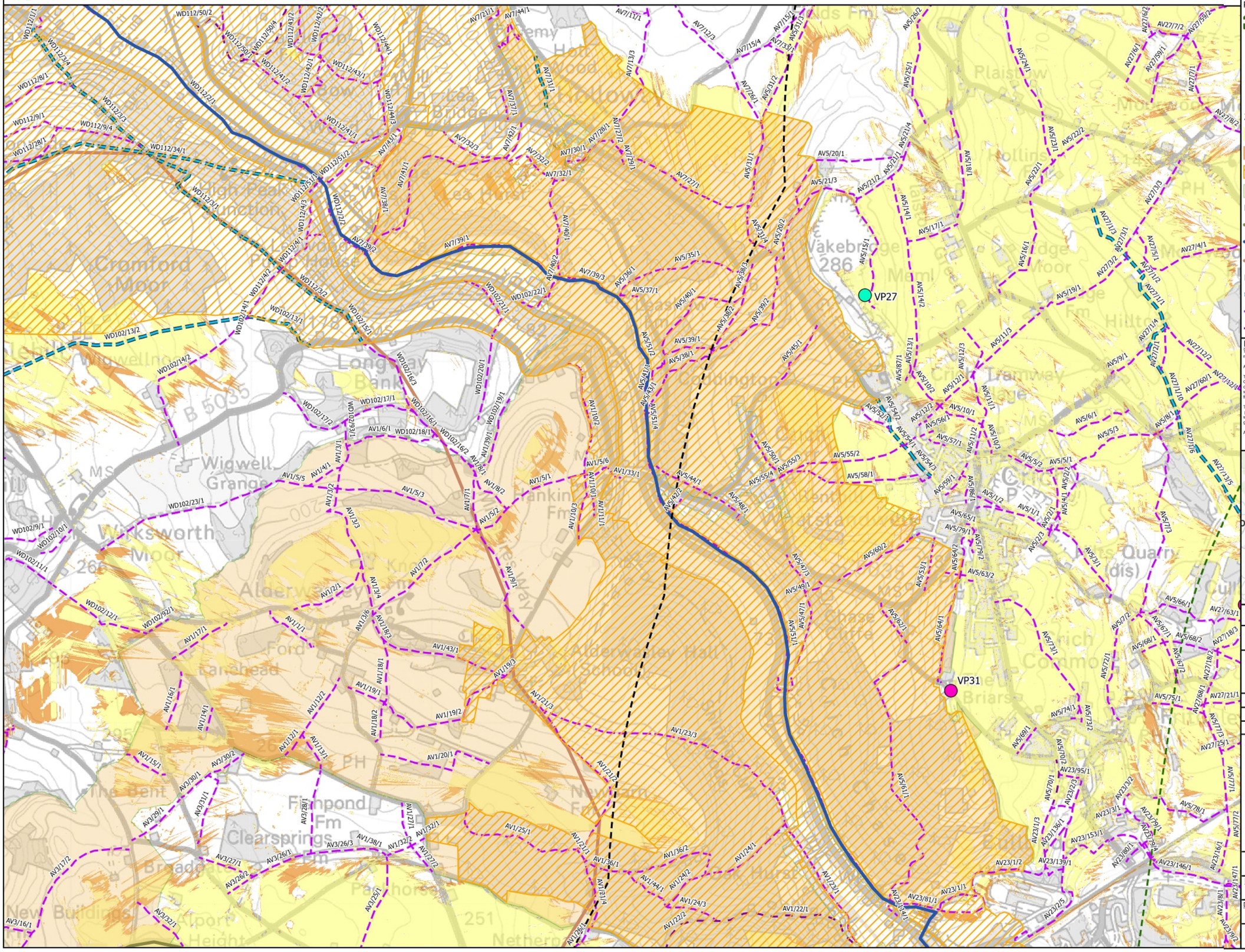
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area

Long Distance Path

- Derbyshire Portway
- Derwent Valley Heritage Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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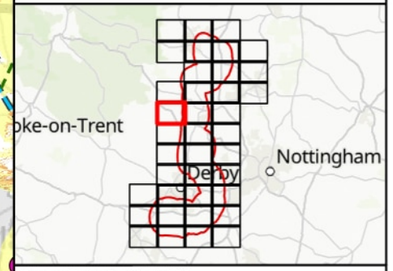

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	
	Figure 6.10
Drawing Reference	
	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

VP26
VP81
VP28
VP30
VP29
Alfreton Park
Alfreton Golf Club

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Recreational Receptors

Public Rights of Way

- Bridleway
- Footpath

Notes

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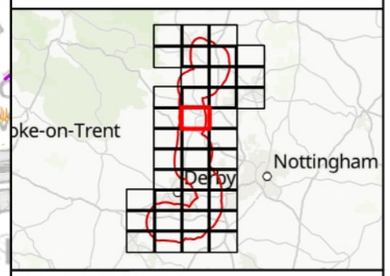

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Metres

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CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

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Scale	Sheet Size	Sheet	Issue
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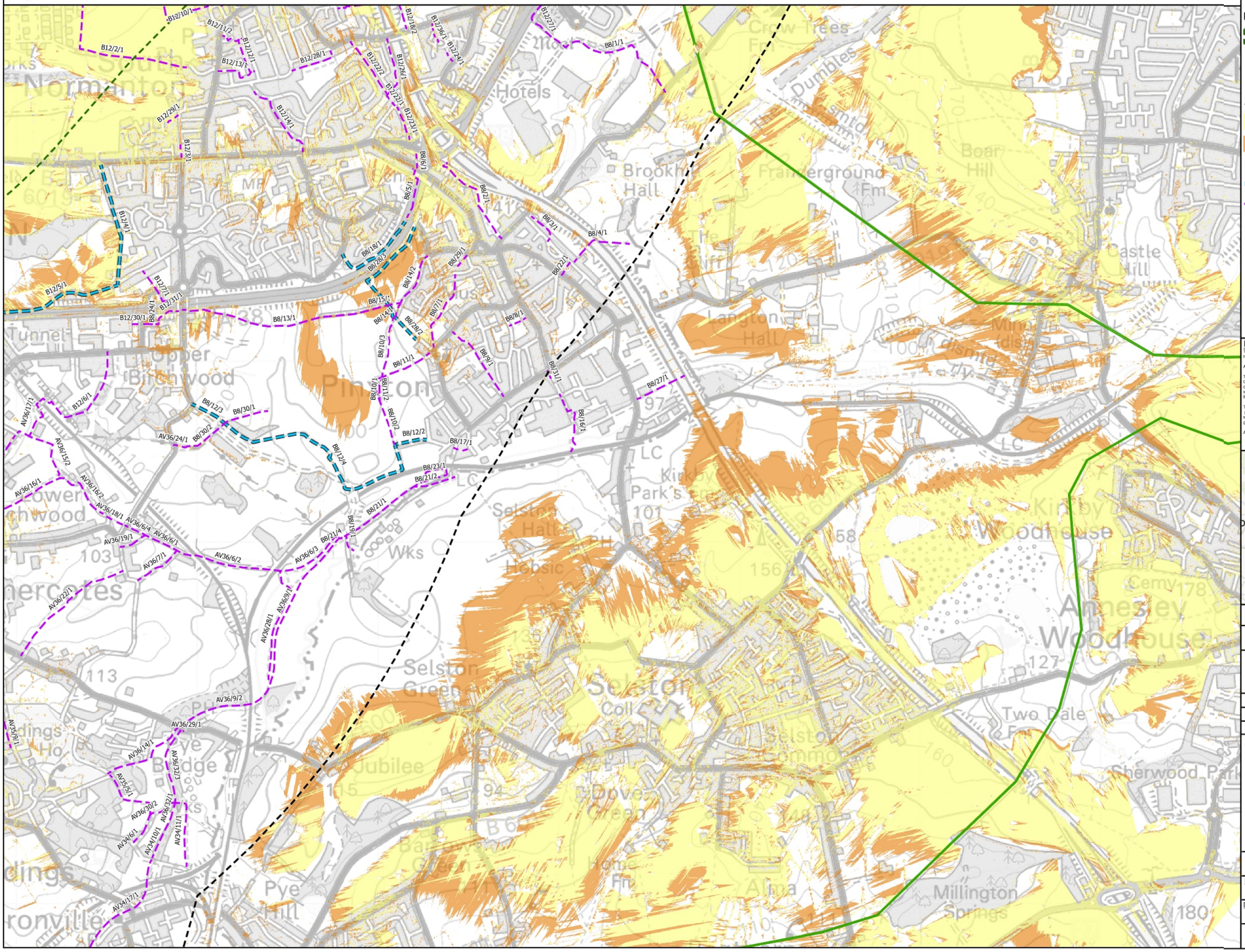
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath

Notes

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nationalgrid

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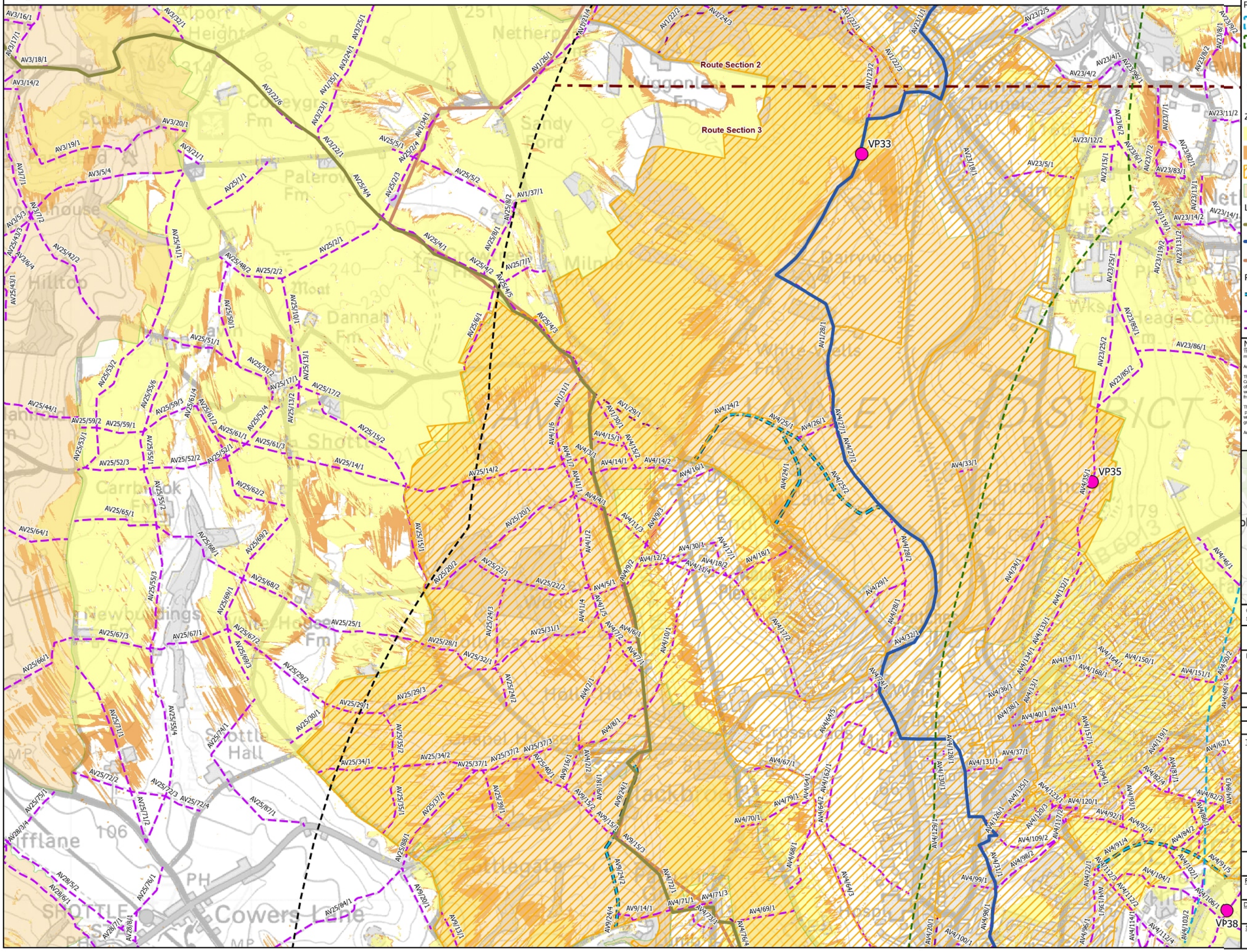

Legend

- Study Area (5km)
- Route Section

Proposed Electrical Infrastructure

- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area

Long Distance Path

- Derbyshire Portway
- Derwent Valley Heritage Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

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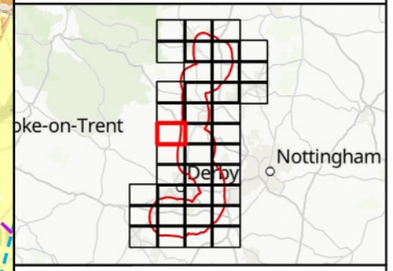

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CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

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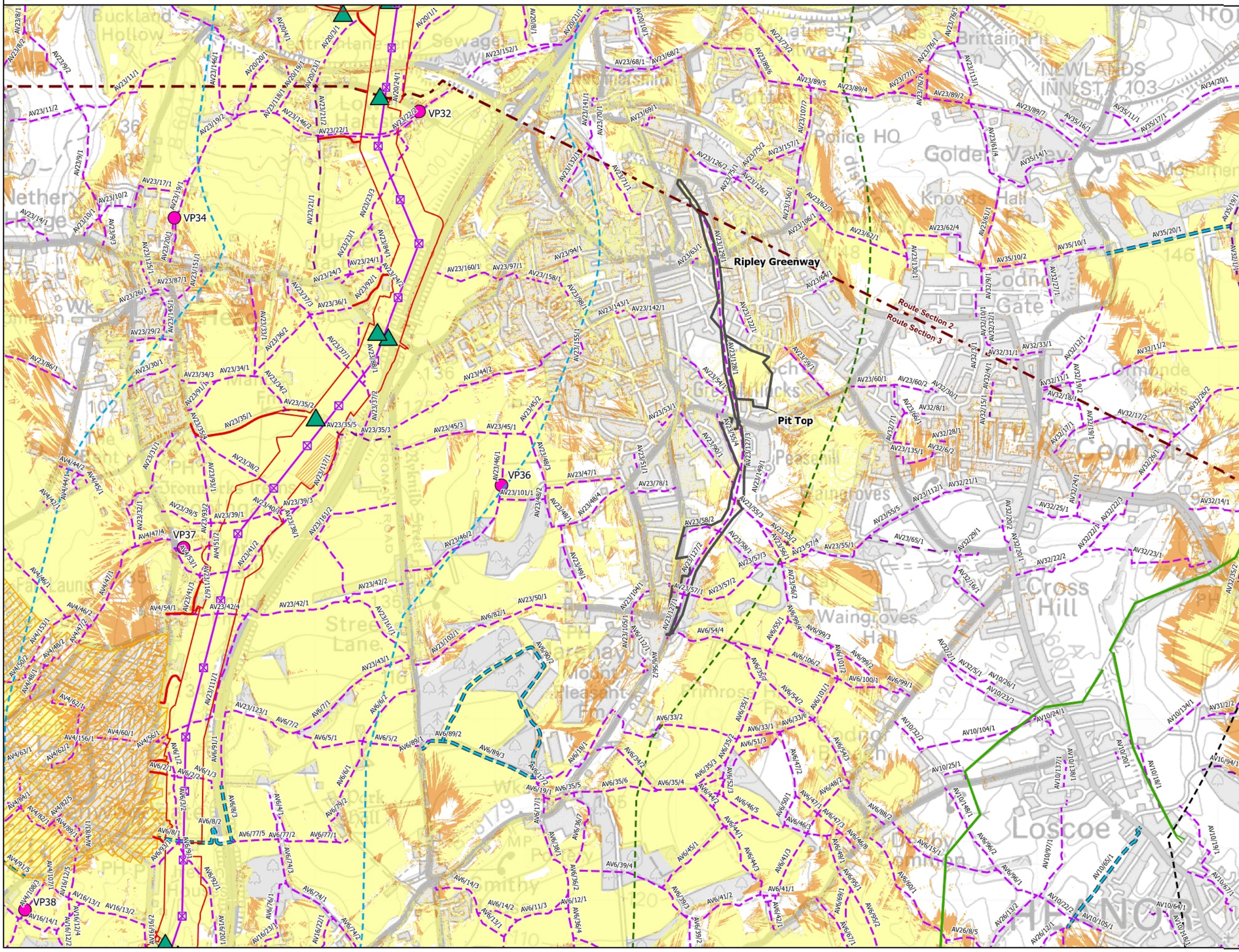
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Recreational Receptors

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

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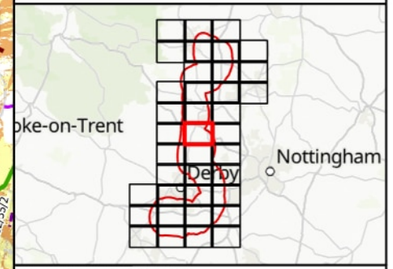

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 439704.93E Sheet Y Centroid Coordinate: 349343.16N

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	AC	BS	LM

Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	
	Figure 6.10
Drawing Reference	
	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 19 OF 38	1

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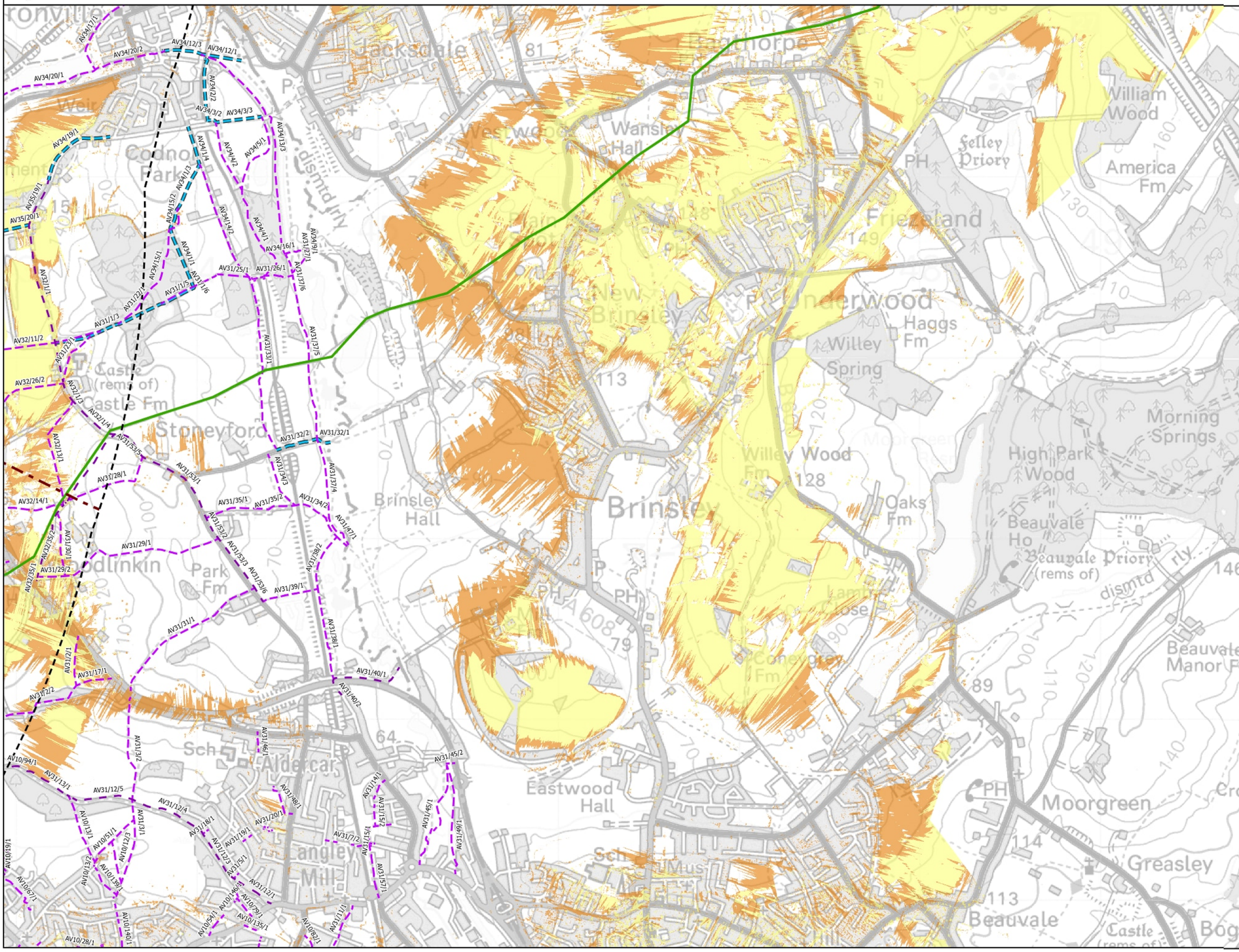
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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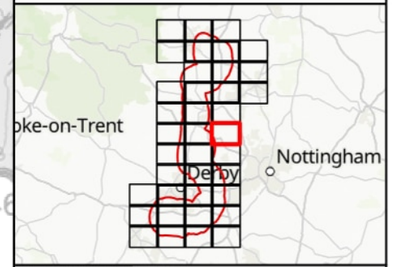

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Issue	Date	Remarks	Drawn	Checked	Approved
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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 20 OF 38	1

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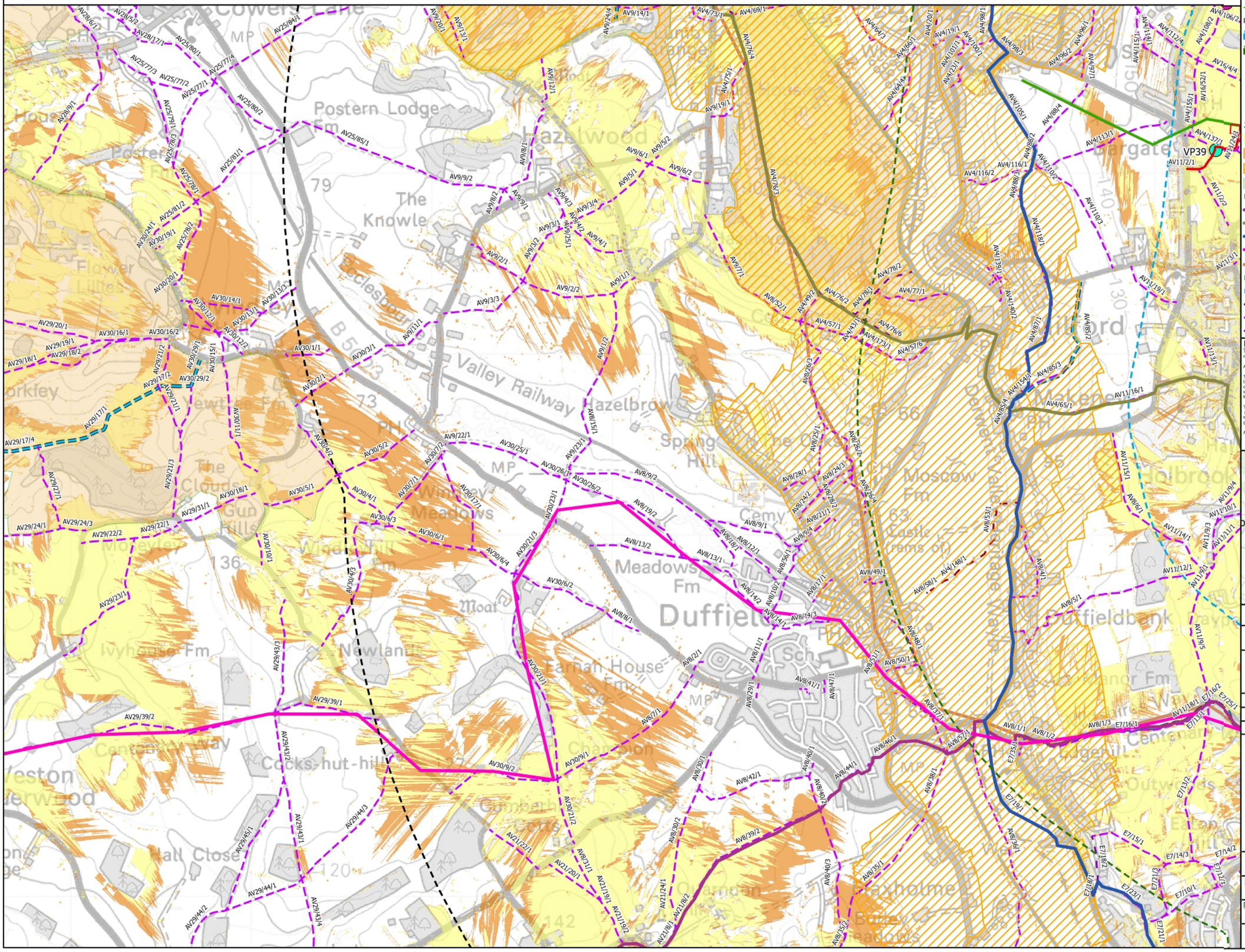
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites
- Amber Valley Special Landscape Area

Long Distance Path

- Derby Nomad Way
- Derbyshire Portway
- Derwent Valley Heritage Way
- Centenary Way
- Midshires Way

Public Rights of Way

- Bridleway
- Byway Open to All Traffic
- Footpath
- Restricted Byway

Notes

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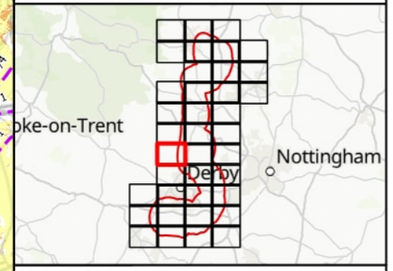

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Figure 6.10
Drawing Reference	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

VP39
VP41
VP40
VP42
VP43
VP63
VP82

Horsley Lodge (golf course and wedding venue)
Morely Hayes Golf Course

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Recreational Receptors

Long Distance Path

- Derby Nomad Way
- Derbyshire Portway
- Centenary Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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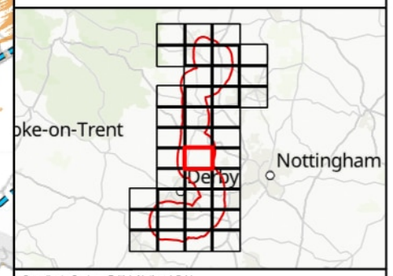

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
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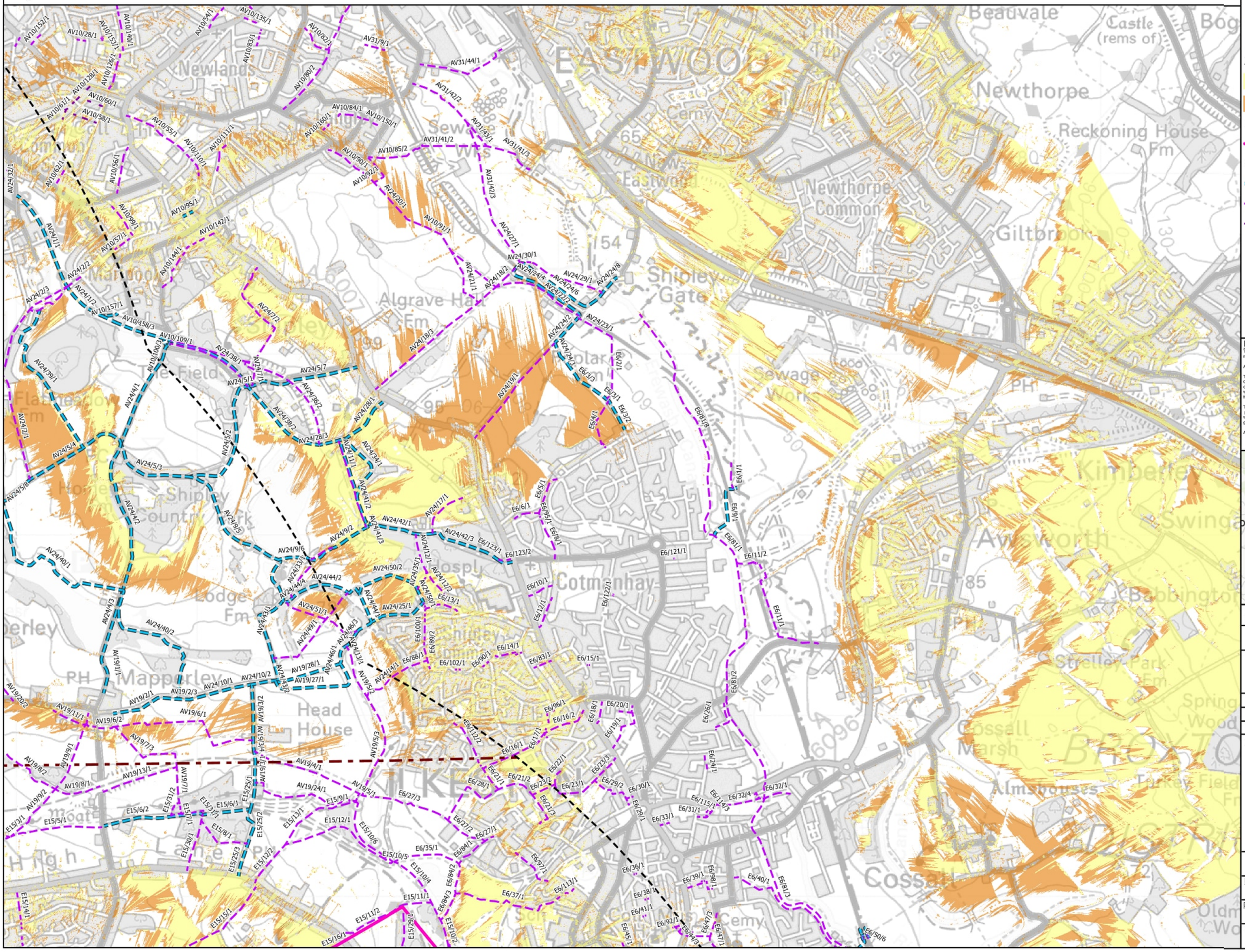
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Centenary Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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nationalgrid

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Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211	1:20,000	A3	SHEET 23 OF 38	1

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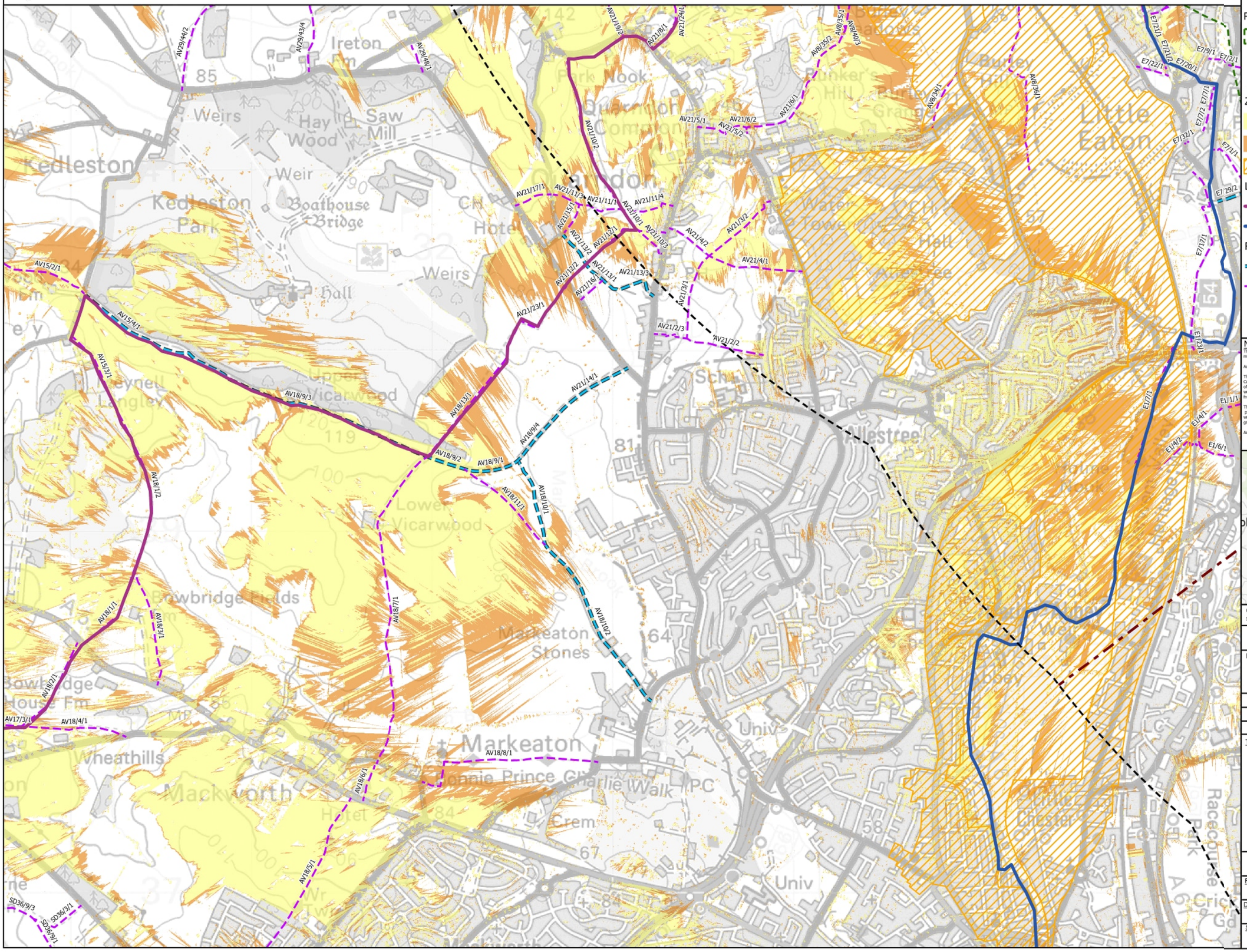

Legend

- Study Area (5km)
- Route Section

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites

Long Distance Path

- Derby Nomad Way
- Derwent Valley Heritage Way

Public Rights of Way

- Bridleway
- Footpath

Notes

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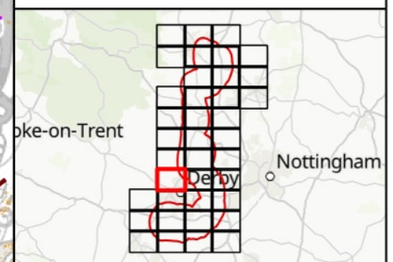

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	
	Figure 6.10

Drawing Reference			
EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211			
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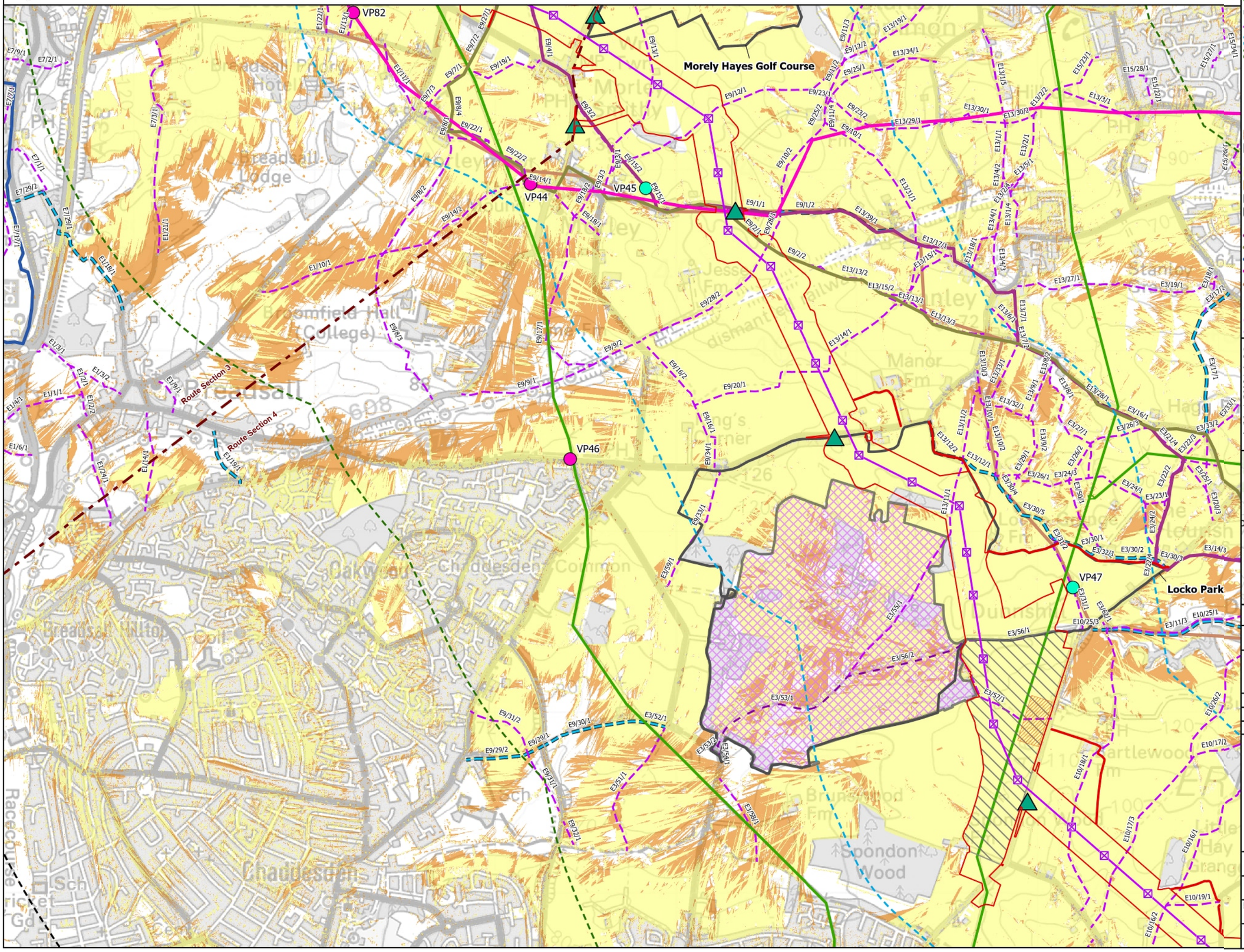
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path

- Derby Nomad Way
- Derbyshire Portway
- Derwent Valley Heritage Way
- Centenary Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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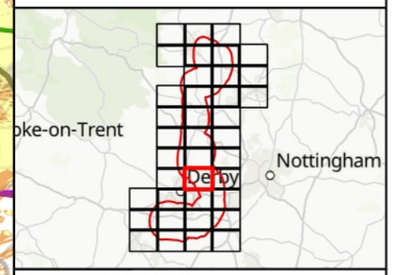

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
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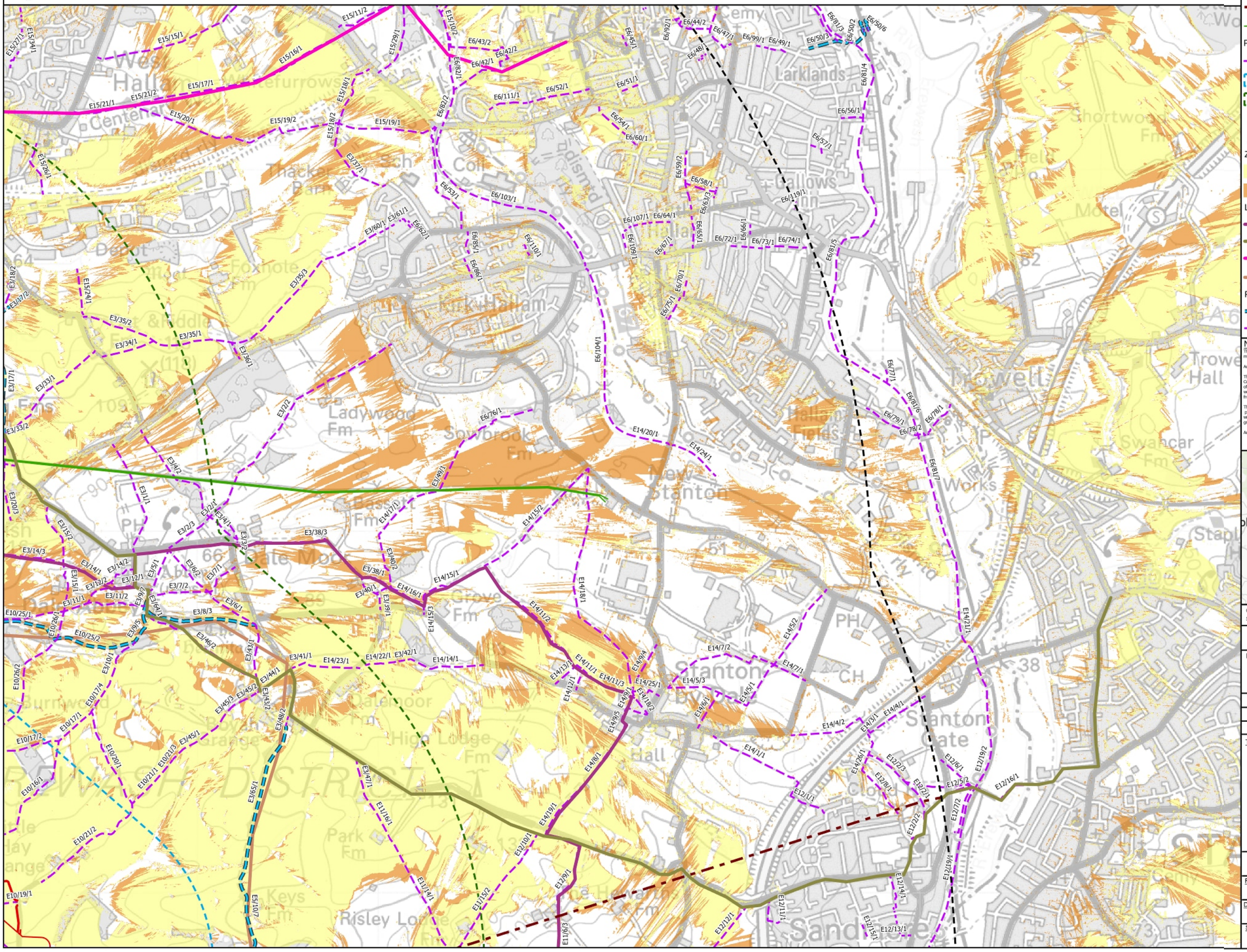

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Derby Nomad Way
- Derbyshire Portway
- Centenary Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath

Notes

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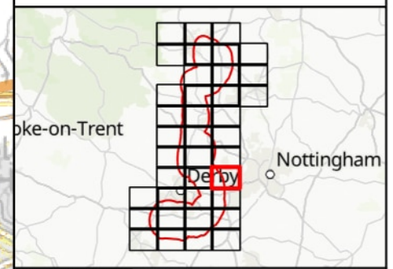

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE -
PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
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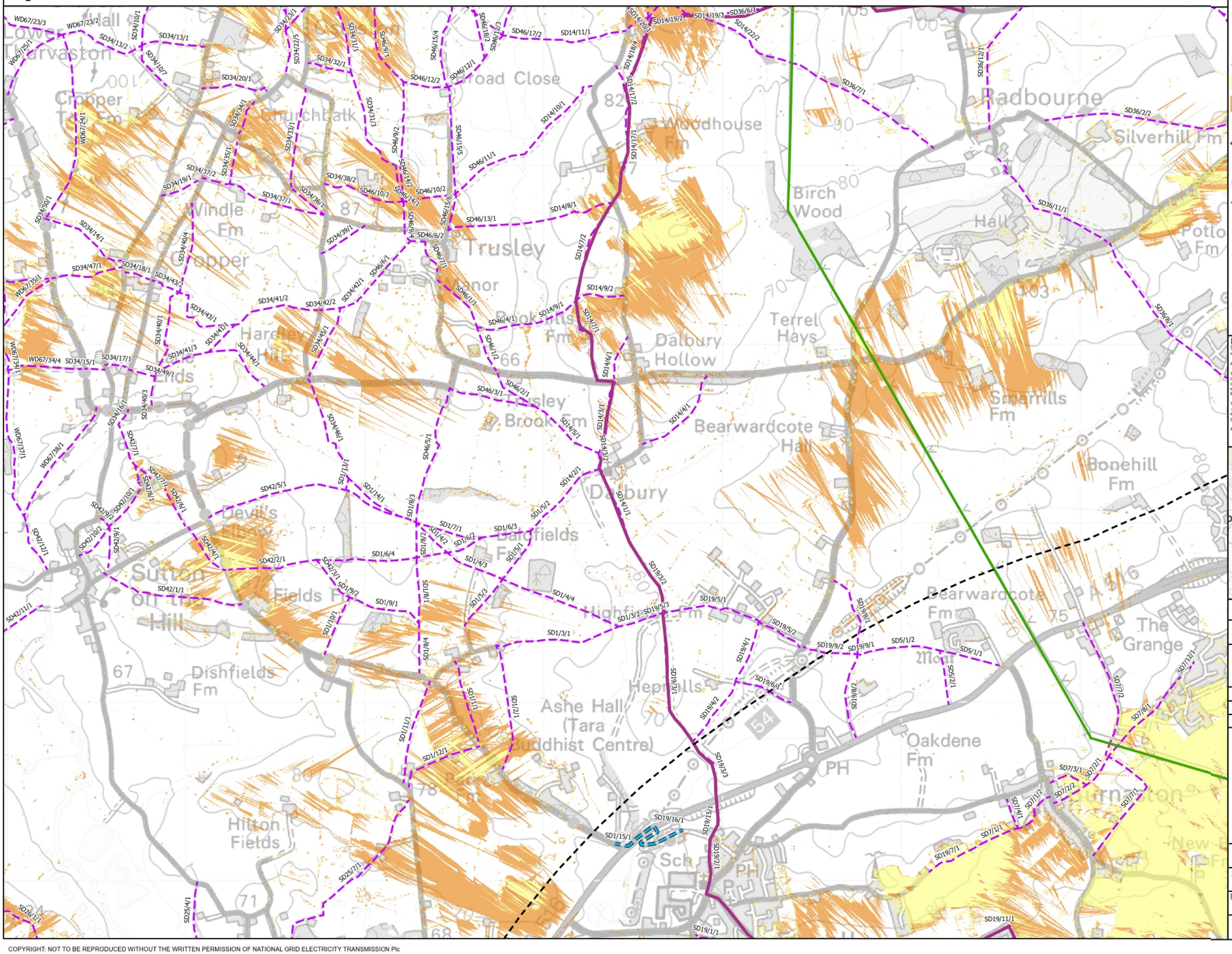
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Derby Nomad Way

Public Rights of Way

- Bridleway
- Footpath

Notes

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0 200 400 800
Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number			
Figure 6.10			
Drawing Reference			
EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211			
Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 27 OF 38	1

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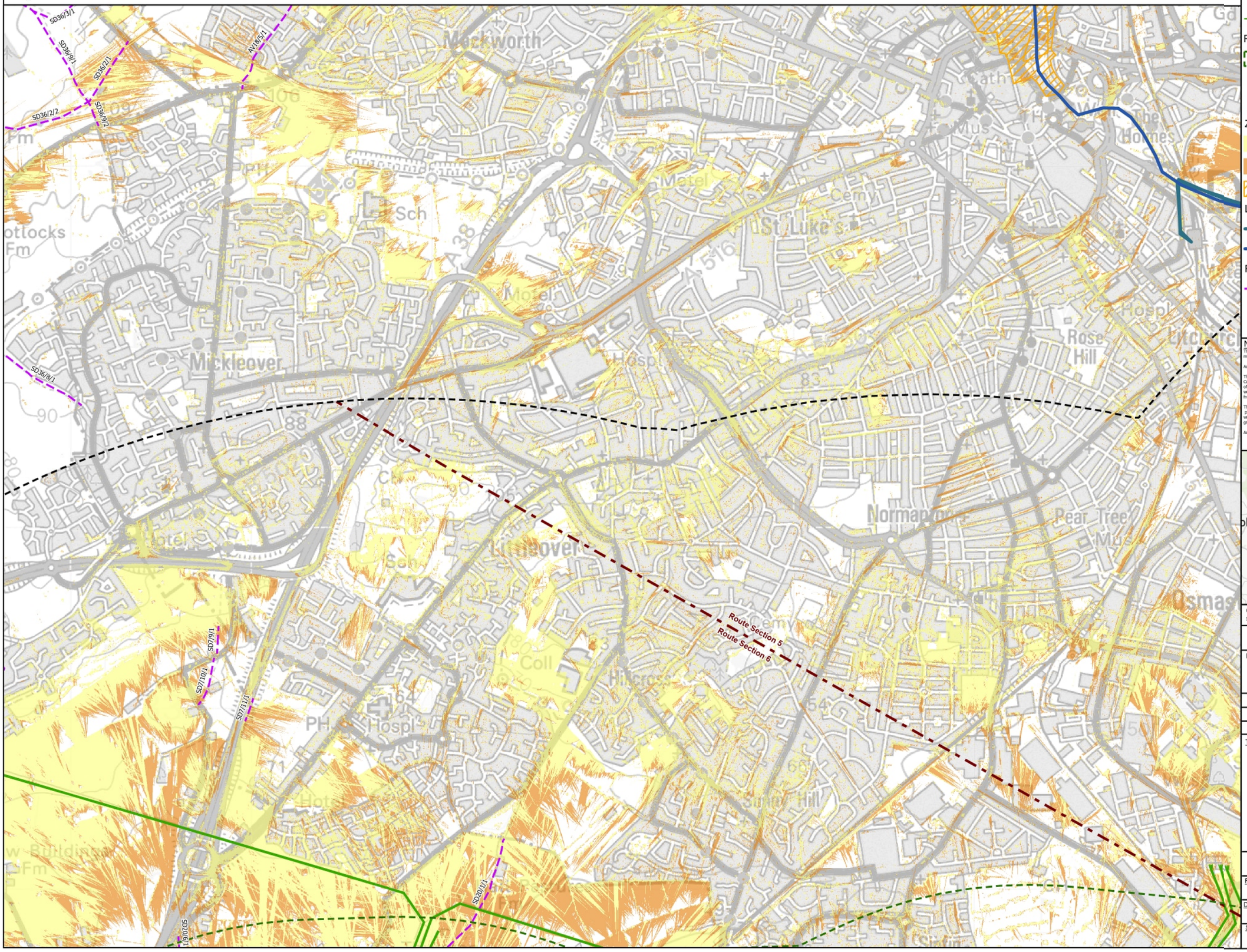
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- World Heritage Sites

Long Distance Path

- Derby Canal Ring
- Derwent Valley Heritage Way

Public Rights of Way

- Footpath

Notes

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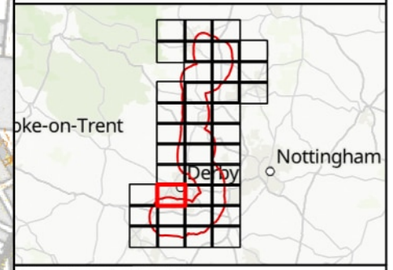

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE -
PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
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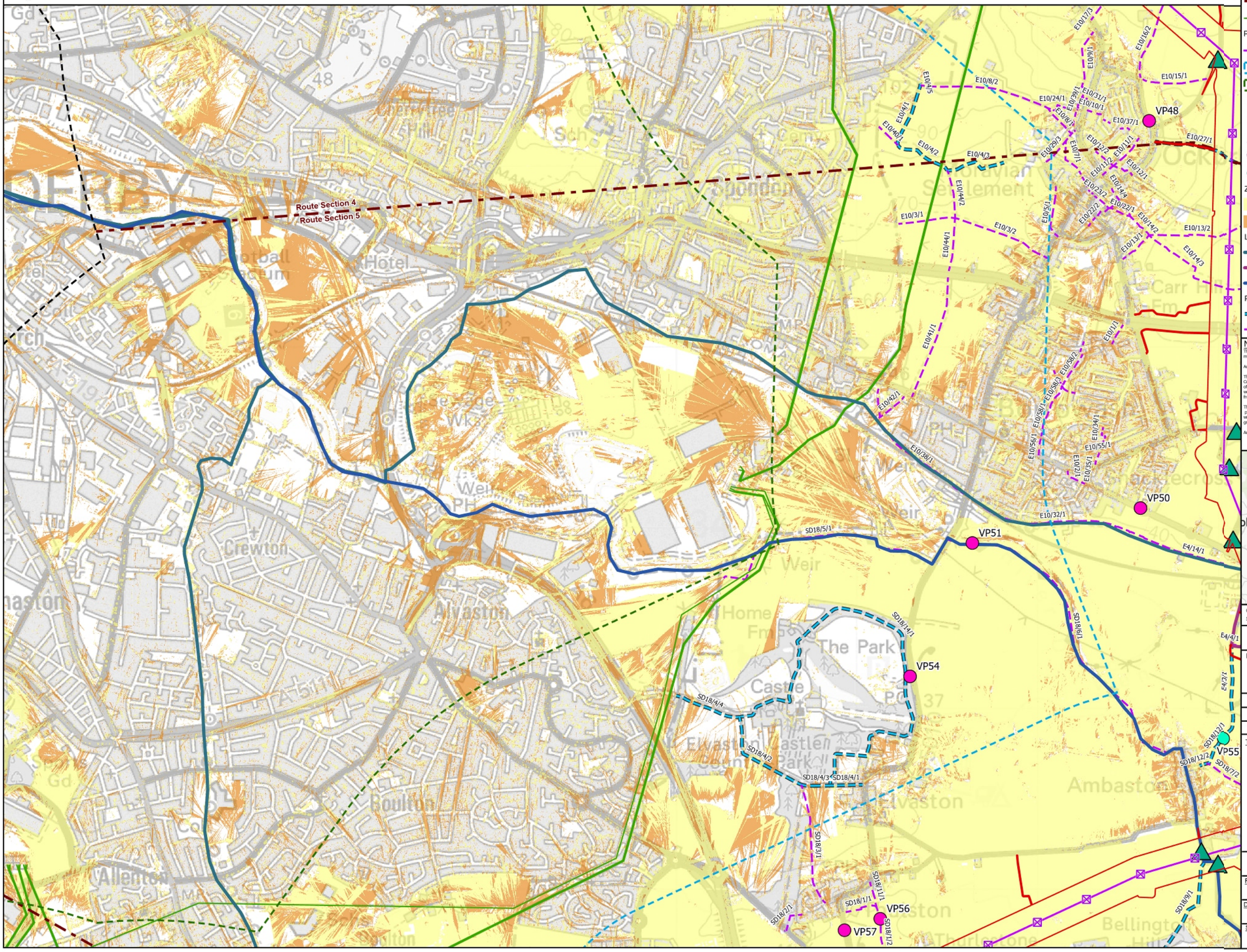
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Derby Canal Ring
- Derby Nomad Way
- Derwent Valley Heritage Way

Public Rights of Way

- Bridleway
- Footpath

Notes

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE -
PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
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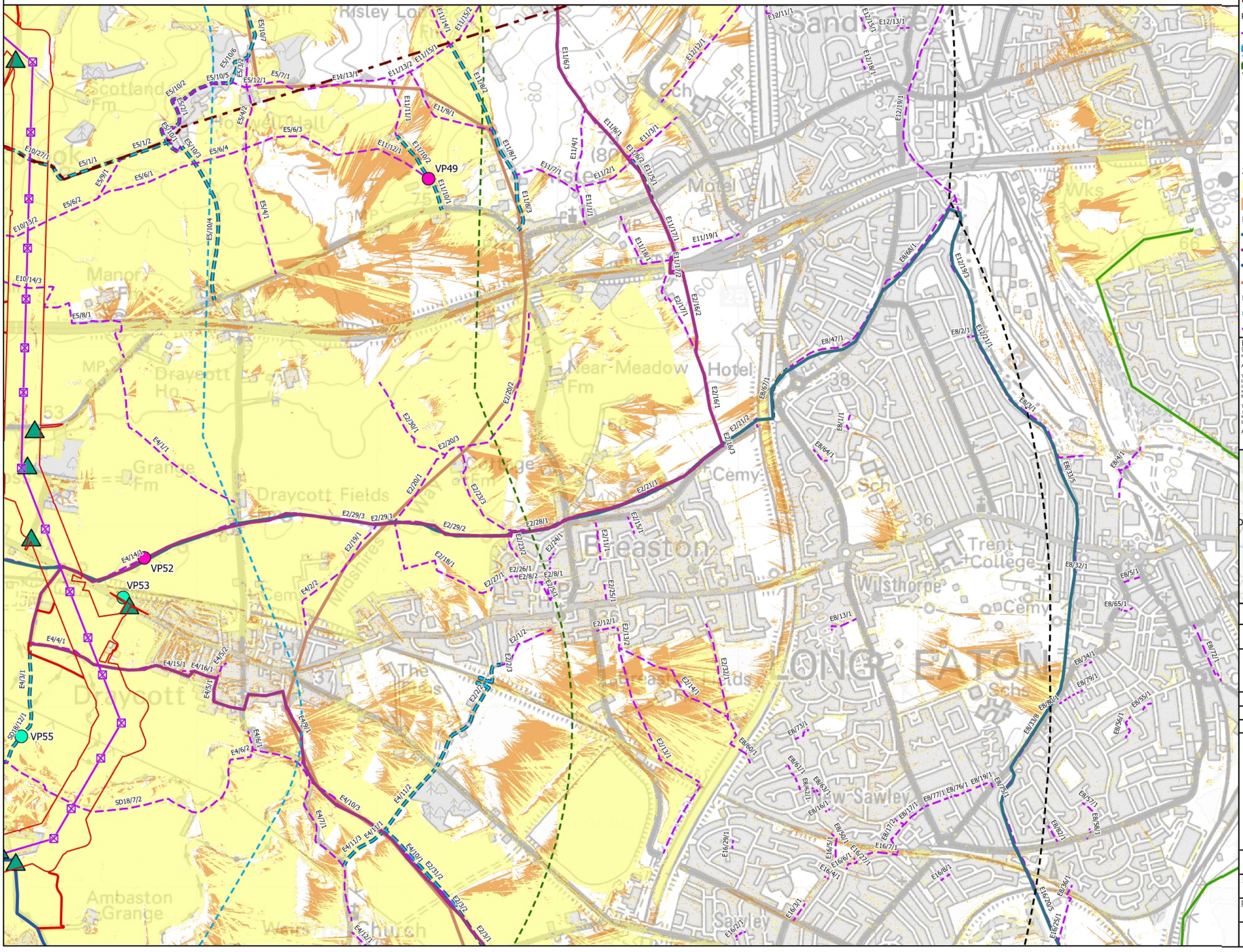
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Derby Canal Ring
- Derby Nomad Way
- Derwent Valley Heritage Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath

Notes

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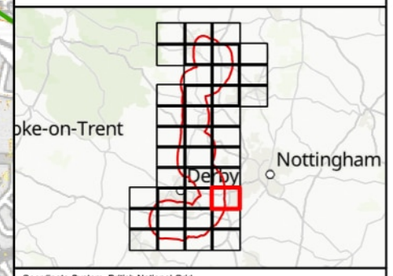

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Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
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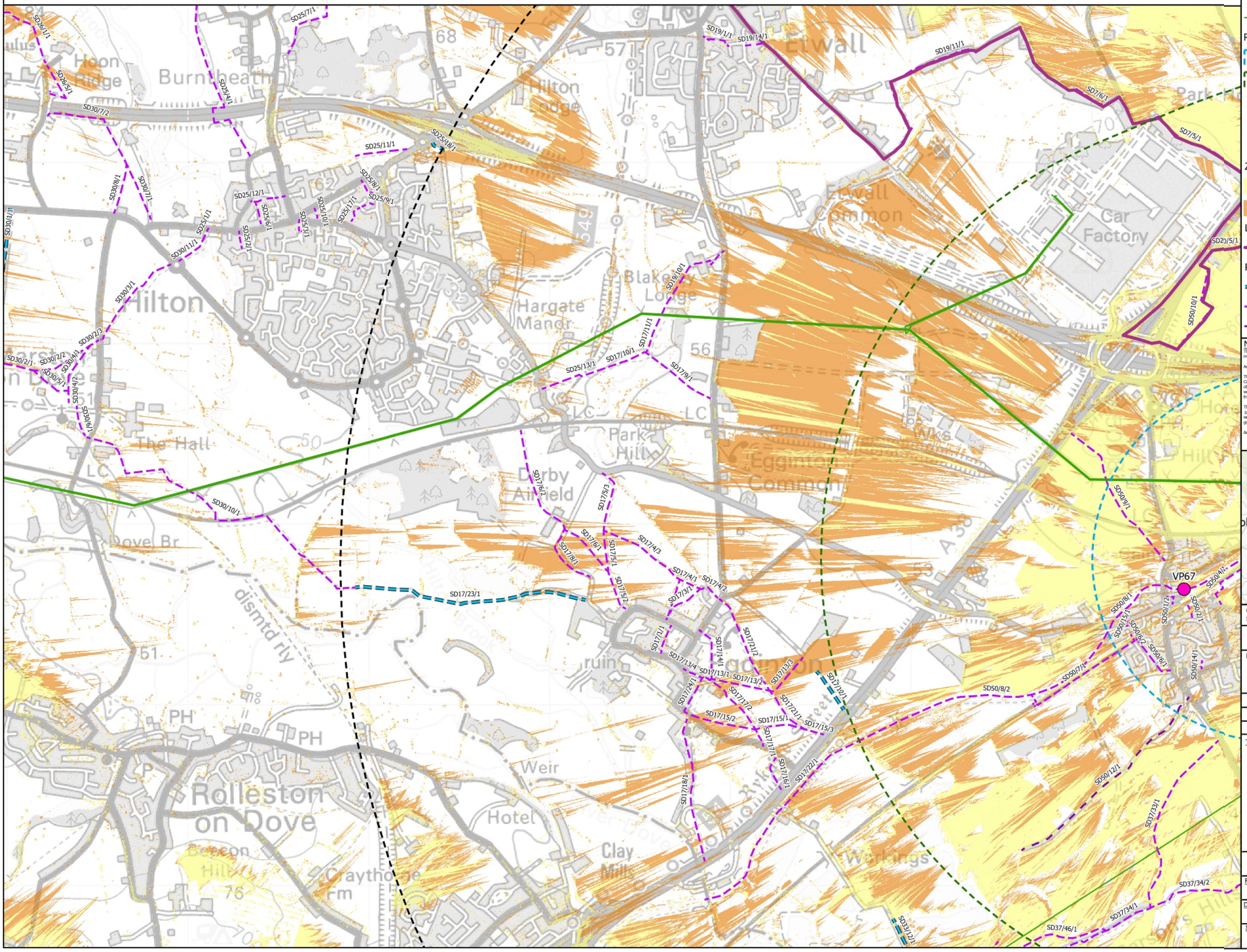
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section
- Existing Overhead Line

Proposed Electrical Infrastructure

- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Derby Nomad Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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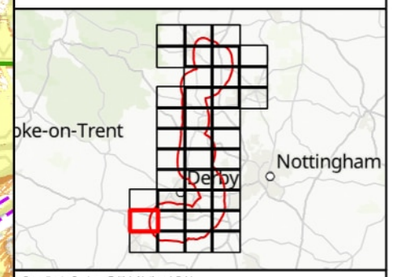

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Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
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FIGURE 6.10:
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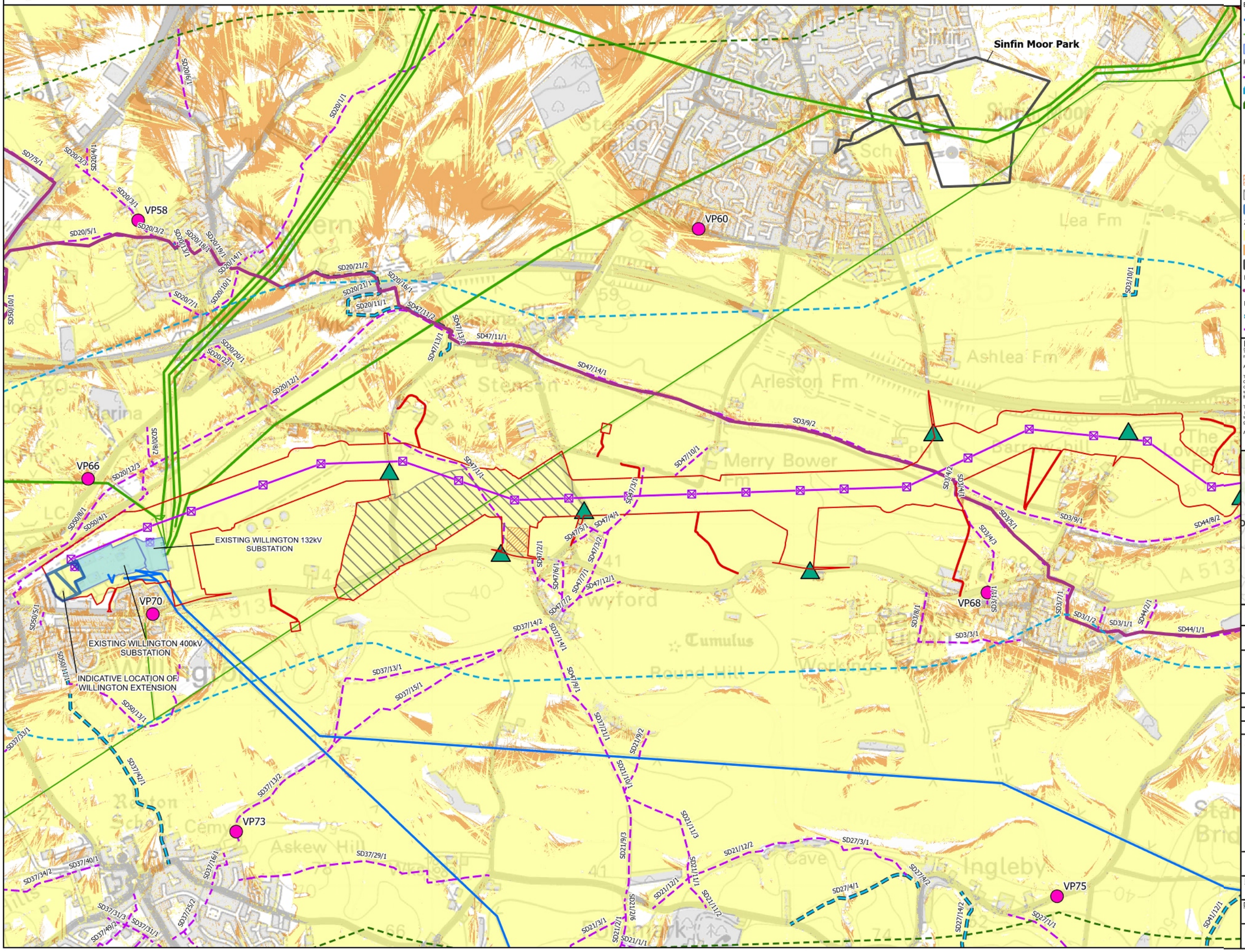

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure
- 400kV Overhead Line
- Existing Overhead Line
- Existing Substation

Proposed Electrical Infrastructure
- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Indicative Construction Compound
- Indicative Statutory Undertaker Diversion Works
- Willington Substation Extension

Zones of Theoretical Visibility (ZTV)
- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Recreational Receptors

Long Distance Path
- Derby Nomad Way

Public Rights of Way
- Bridleway
- Footpath

Notes

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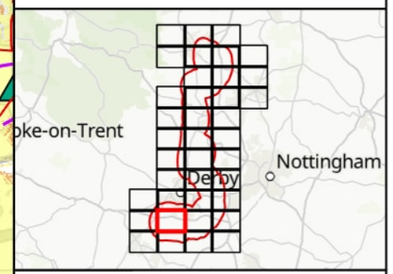

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
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FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

Fullens Lock park
Swarkestone Old Hall
VP56
VP57
VP61
VP62
VP64
VP65
VP69
VP72
VP74

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- Indicative New Overhead Line
- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Pylon Location
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations
- Indicative Construction Compound

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon
- Registered Parks and Gardens
- Recreational Receptors

Long Distance Path

- Derby Canal Ring
- Derby Nomad Way
- Derwent Valley Heritage Way

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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Nottingham
Derby

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE -
PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

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FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

VP59

VP71

Legend

- Study Area (5km)
- Draft Order Limits
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line

Proposed Electrical Infrastructure

- 1km Buffer (Overhead Line)
- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Long Distance Path

- Derby Canal Ring
- Derby Nomad Way
- Derwent Valley Heritage Way
- Midshires Way

Public Rights of Way

- Bridleway
- Footpath

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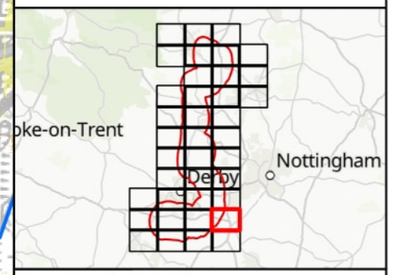

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CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	
	Figure 6.10

Drawing Reference	
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Scale	Sheet Size	Sheet	Issue
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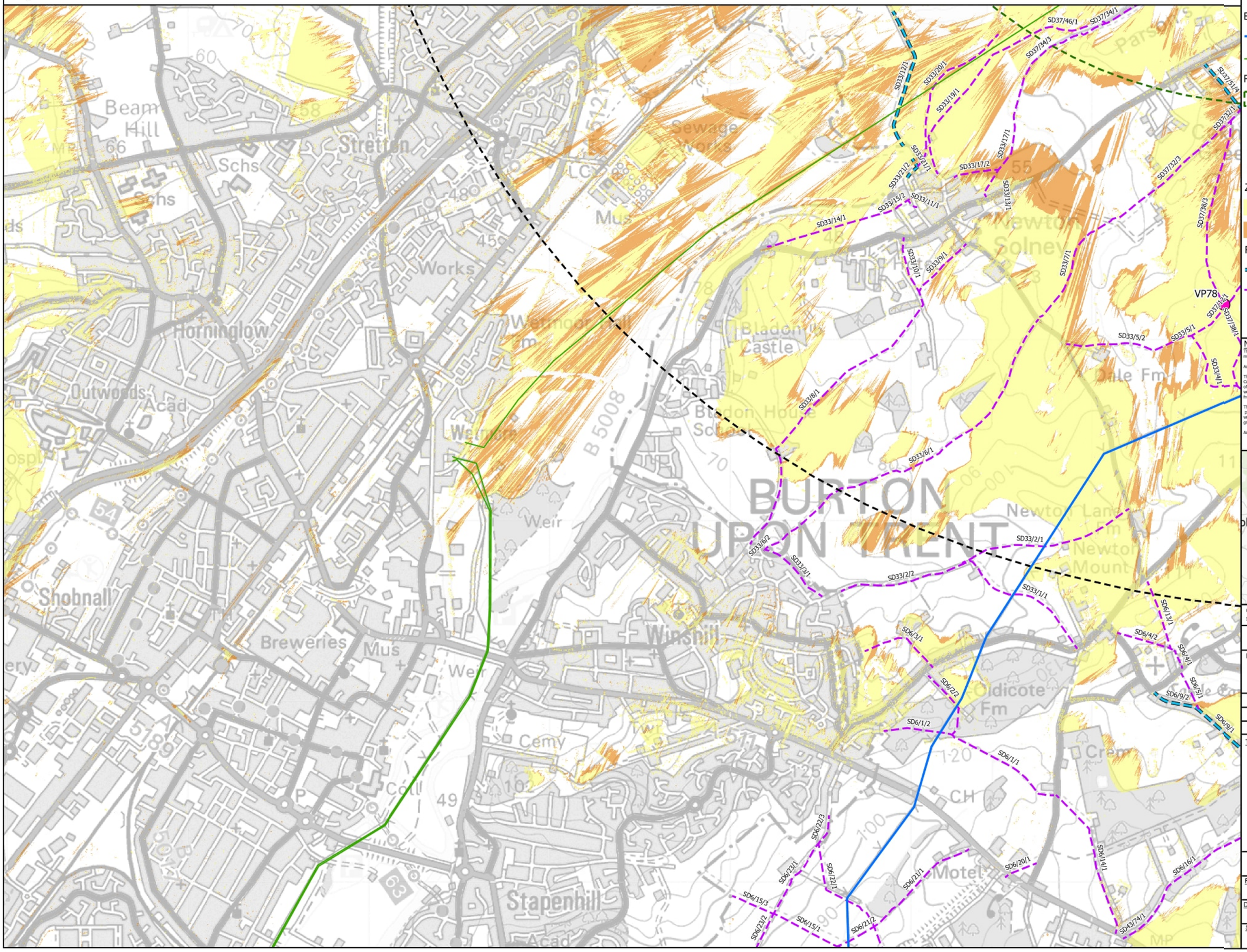
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Existing Overhead Line

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath

Notes

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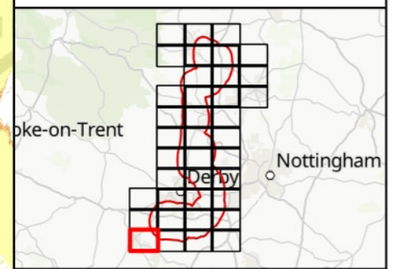

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 426404.93E Sheet Y Centroid Coordinate: 324243.16N

0 200 400 800
Metres

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Issue	Date	Remarks	Drawn	Checked	Approved
1	Jan 2026	FIRST ISSUE	AC	BS	LM

Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	
	Figure 6.10

Drawing Reference	
	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 35 OF 38	1

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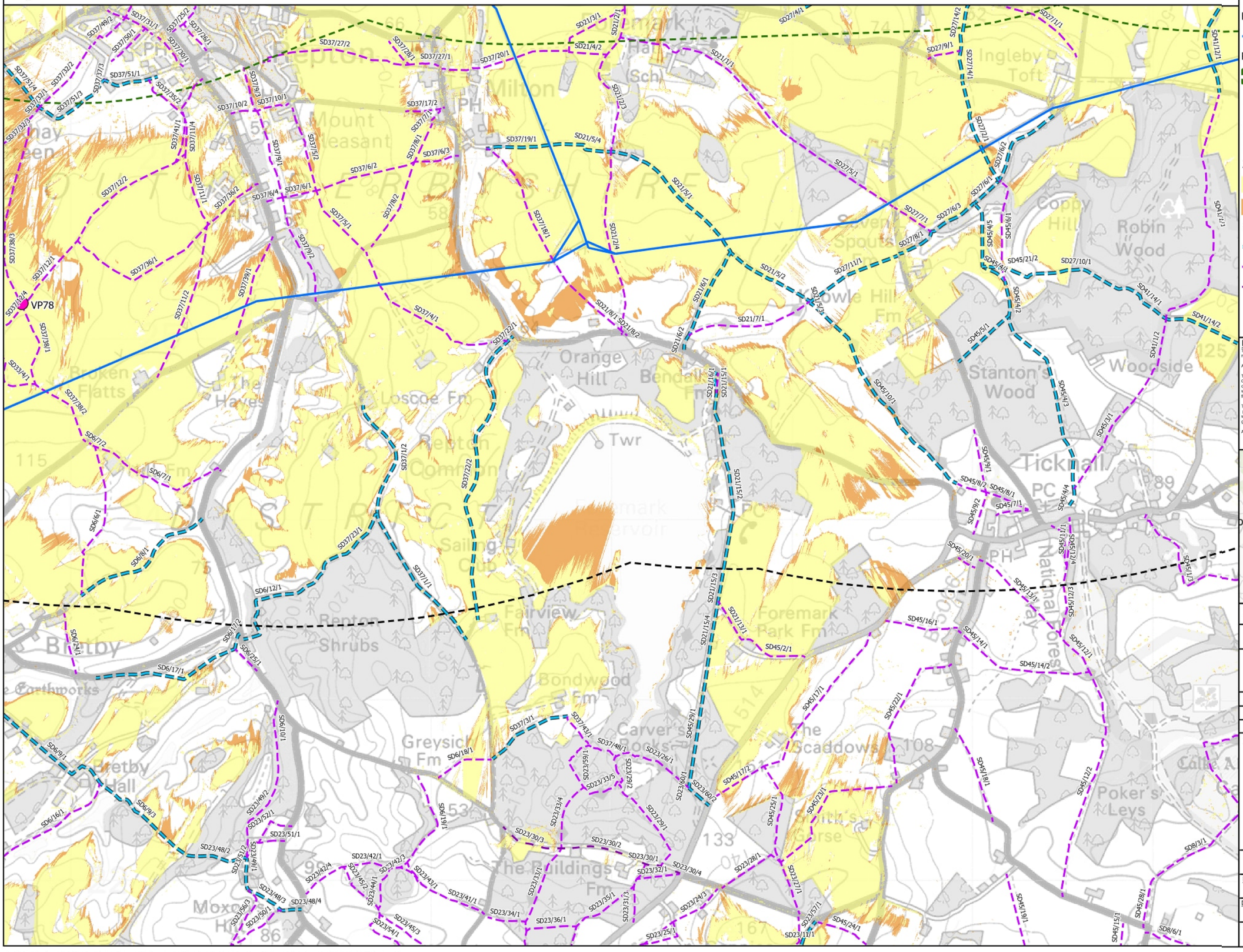
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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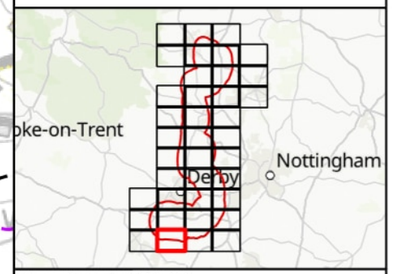

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 433054.93E Sheet Y Centroid Coordinate: 324243.16N

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Metres

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Title

CHESTERFIELD TO WILLINGTON
SCREENED ZTV OVERHEAD LINE -
PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	
	Figure 6.10

Drawing Reference	
	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

Scale	Sheet Size	Sheet	Issue
1:20,000	A3	SHEET 36 OF 38	1

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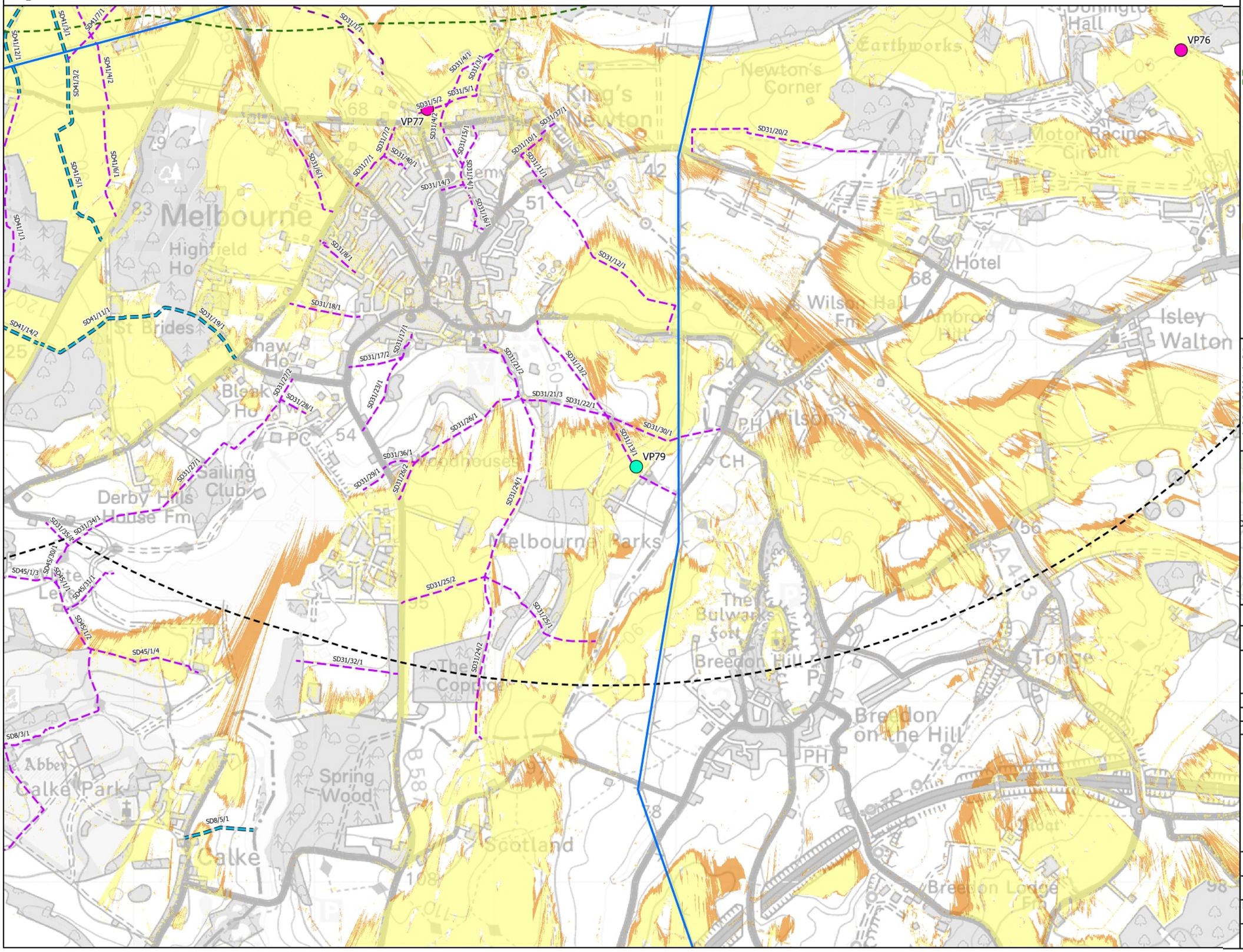
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line

Proposed Electrical Infrastructure

- 2.5km Buffer (Overhead Line)
- Indicative New Gantries
- Proposed Access Points
- Viewpoint Locations
- Photomontage Locations

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Public Rights of Way

- Bridleway
- Footpath
- Restricted Byway

Notes

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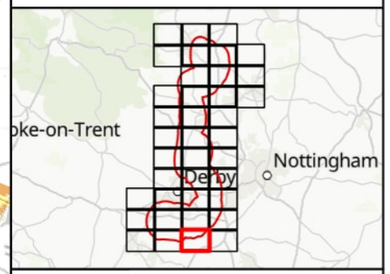

Coordinate System: British National Grid
Sheet X Centroid Coordinate: 439704.93E Sheet Y Centroid Coordinate: 324243.16N

0 200 400 800 Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number	Drawing Reference		
Figure 6.10	EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211		
Scale	**Sheet Size**	**Sheet**	**Issue**
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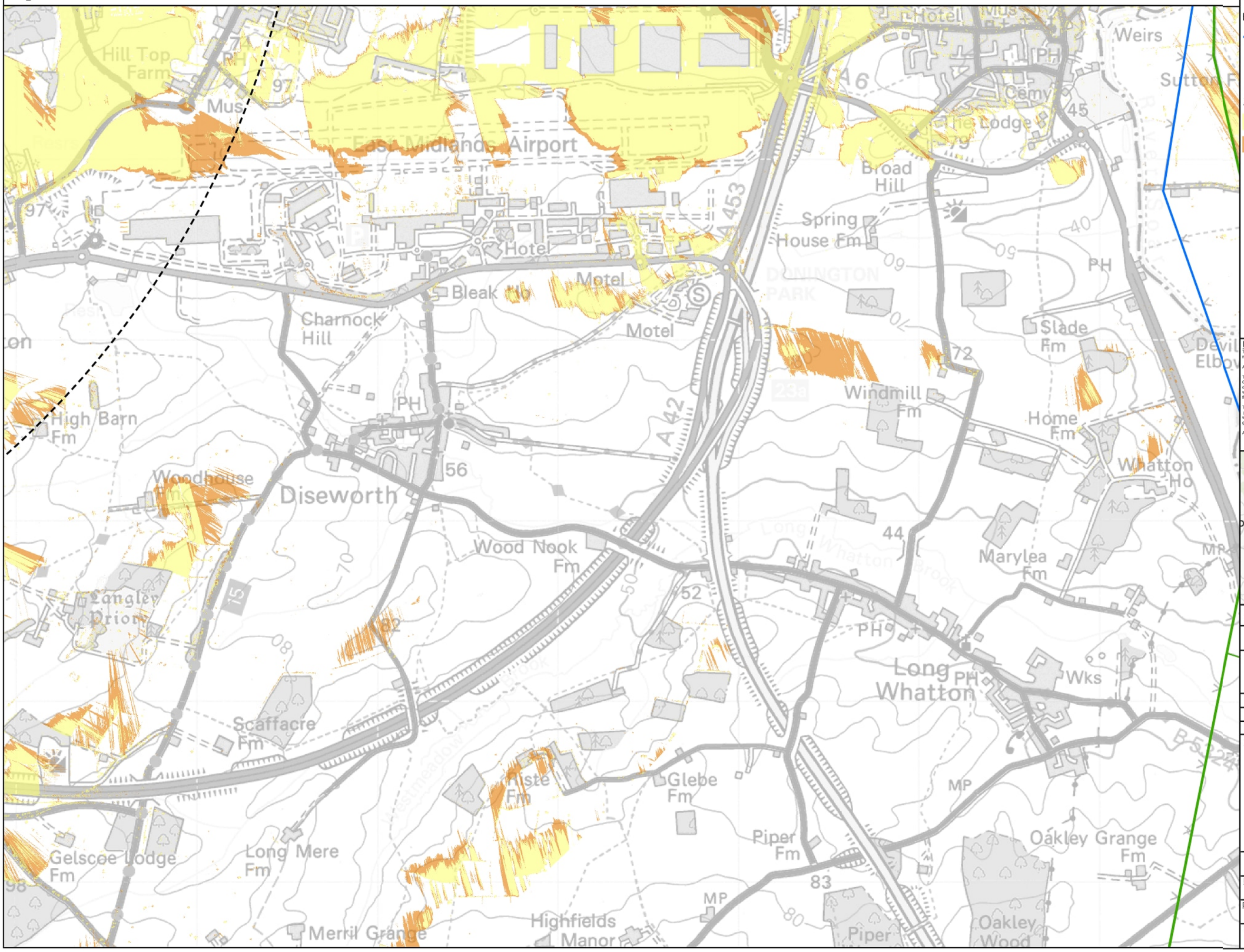
FIGURE 6.10:
SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY



Legend

- Study Area (5km)
- Route Section

Existing Electrical Infrastructure

- 400kV Overhead Line
- Indicative New Gantries
- Proposed Access Points

Zones of Theoretical Visibility (ZTV)

- Potential visibility of the lower arm of the pylon
- Potential visibility of the top of the pylon

Notes

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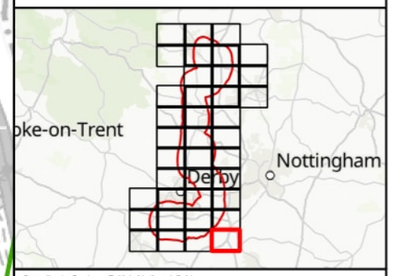

Coordinate System: British National Grid
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Metres

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Title

CHESTERFIELD TO WILLINGTON SCREENED ZTV OVERHEAD LINE - PUBLIC RIGHTS OF WAY

nationalgrid

Figure Number: Figure 6.10

Drawing Reference: EDN2-WSP-CONS-ZZZZZZ-DRW-LA-000211

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