

Figure 9.14d - Constraints TDR Option 2
Tile_06

Legend

Tullacondra Wind Farm

Water Course Crossings

- ◆ TDR2 WCC

Turbine Delivery Route (TDR)

- 25m Intervals TDR2

- TDR Option 2

Constraints

Hydrology

- 604162_WFD_Riverwaterbodies

-
- WFD_Subcatchments

-
- WFD_RiverSubBasins_Cycle3

Hydrogeology

Groundwater

IRL_VULNERABILITY_ITM

- X

- ☐ E

Wells

- Wells 250m Buffer Total

Wells polygons

- Wells500_250B

Designated Areas

- SAC_ITM_2023_02

Topography

- 10m Elevation Contours

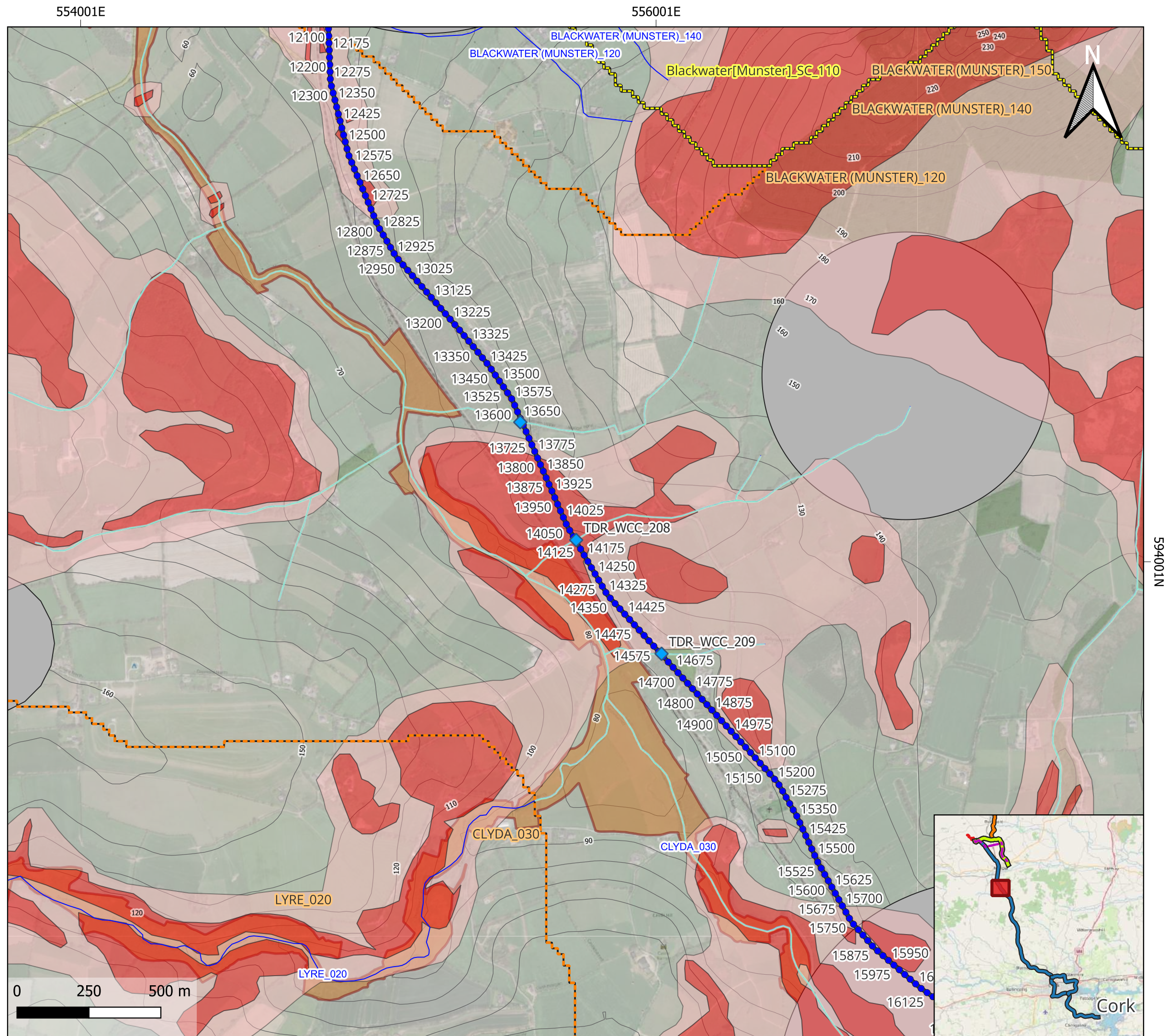
Base Layers

OpenStreetMap

Bing Aerial

Project ID	604162
Project Name	Tullacondra WF, Co. Cork (TWF)
Projection	ITM
Drawn by	CCa
Revised by	SK
Version	20/11/2023

References/Sources:
Environmental Protection Agency (EPA)
Geological Services Ireland (GSI)
Bing Aerial / GeoHive / Open Street Map / Google Roads
Global Digital Elevation Model (GDEM)



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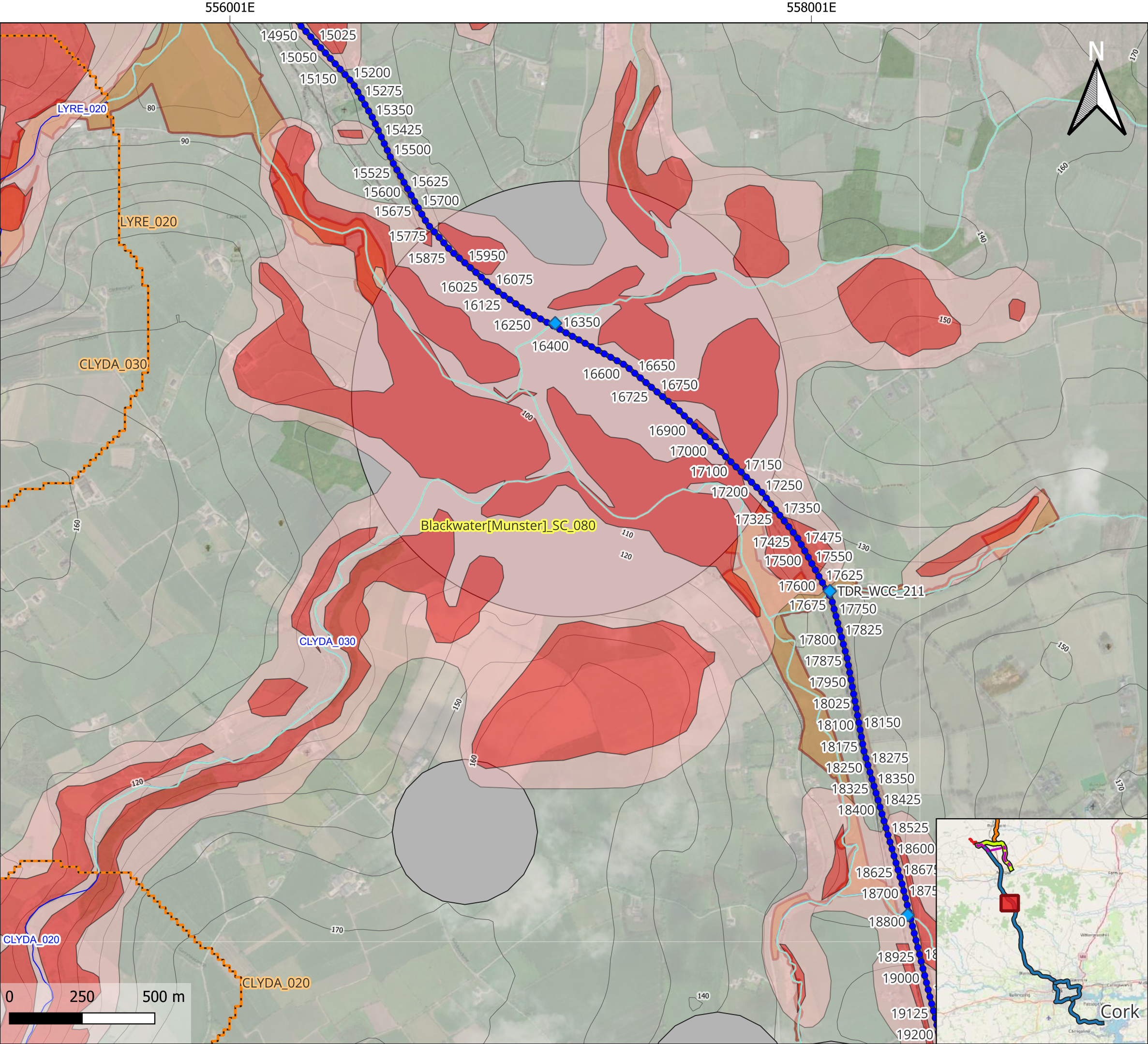
Figure 9.14d - Constraints TDR Option 2
Tile_07

Legend
Tullacondra Wind Farm
Water Course Crossings
TDR2 WCC
Turbine Delivery Route (TDR)
25m Intervals TDR2
TDR Option 2
Constraints
Hydrology
604162_WFD_Riverwaterbodies
WFD_Subcatchments
WFD_RiverSubBasins_Cycle3
Hydrogeology
Groundwater
IRL_VULNERABILITY_ITM
X
E
Wells
Wells 250m Buffer Total
Wells10to50
Wells polygons
Wells1km_500B
Designated Areas
SAC_ITM_2023_02
Topography
10m Elevation Contours
Base Layers
OpenStreetMap
Bing Aerial

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Figure 9.14d - Constraints TDR Option 2
Tile_08

Legend

Tullacondra Wind Farm

Water Course Crossings

Turbine Delivery Route (TDR)

Constraints

Hydrology

Hydrogeology

Groundwater

IRL_VULNERABILITY_ITM

Wells

Wells polygons

Designated Areas

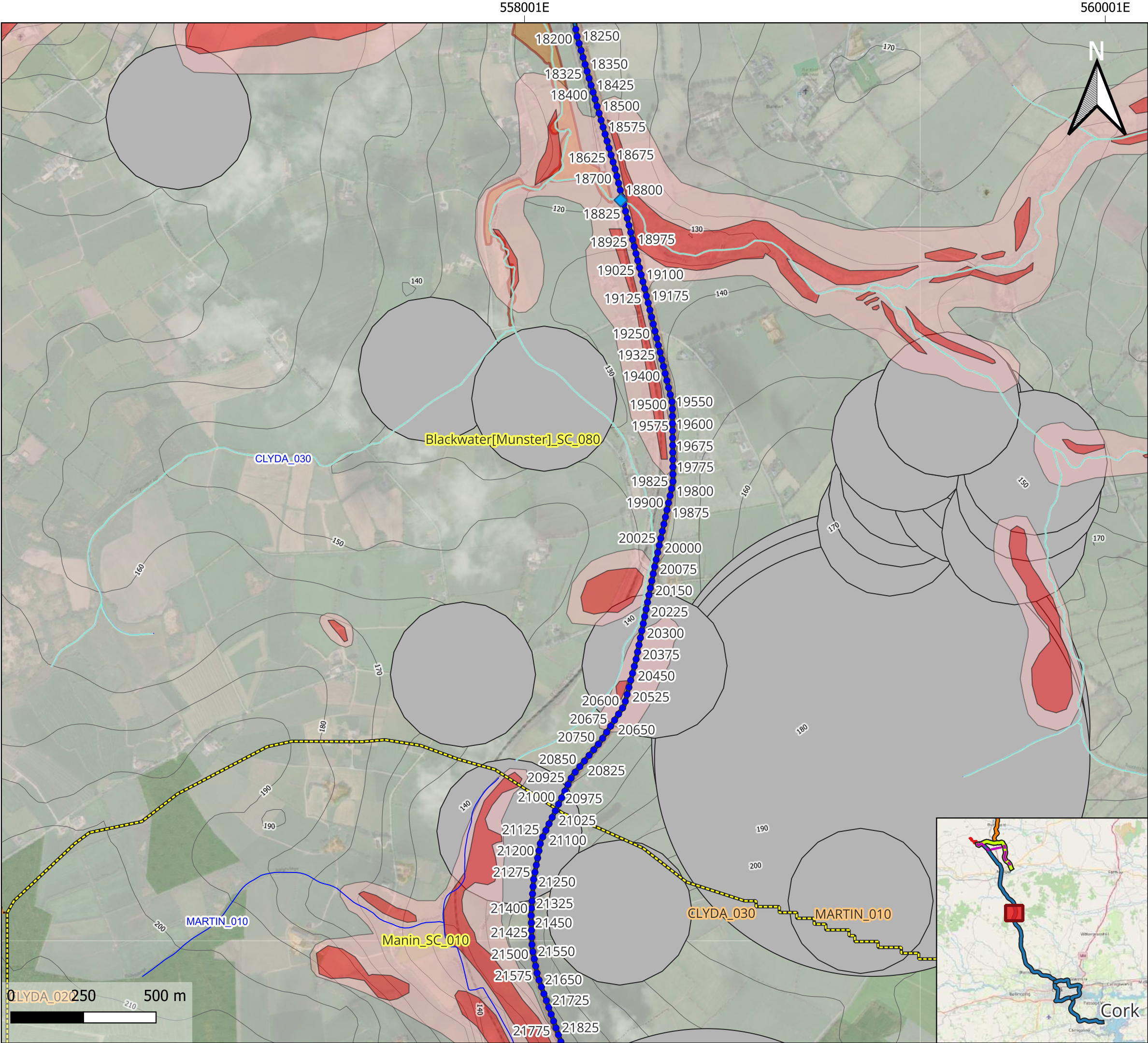
Topography

Base Layers

OpenStreetMap

Bing Aerial

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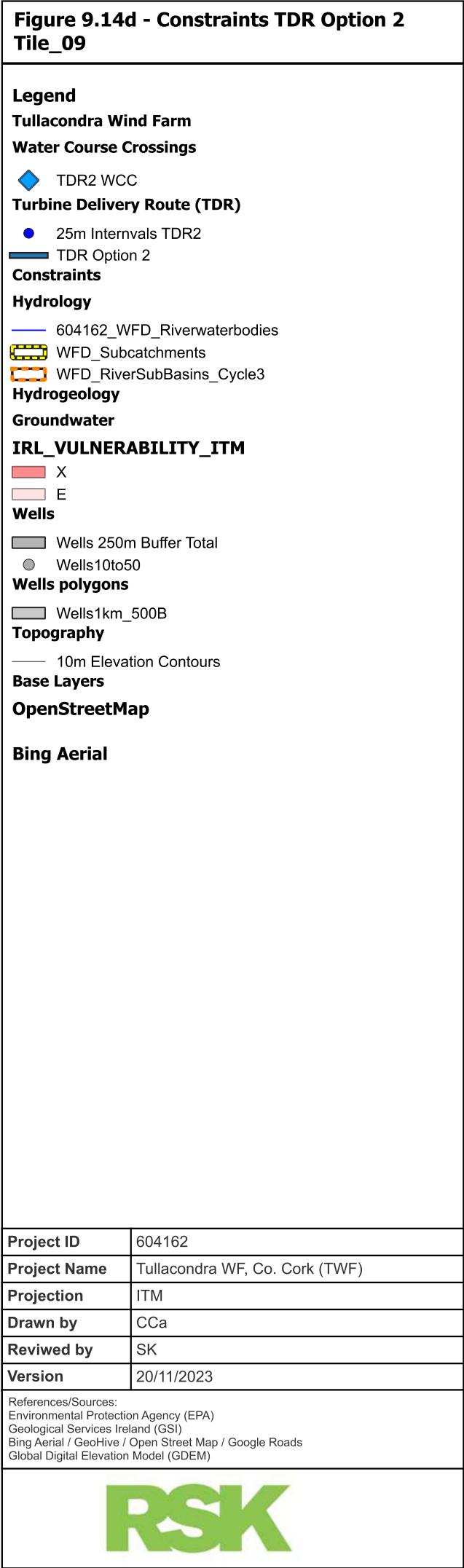


Figure 9.14d - Constraints TDR Option 2
Tile_10

Legend

Tullacondra Wind Farm

Water Course Crossings

◆ TDR2 WCC

Turbine Delivery Route (TDR)

● 25m Intervals TDR2

— TDR Option 2

Constraints

Hydrology

— 604162_WFD_Riverwaterbodies

▨ WFD_Subcatchments

▨ WFD_RiverSubBasins_Cycle3

Hydrogeology

Groundwater

▨ Source Protection Areas

IRL_VULNERABILITY_ITM

■ X

■ E

Wells

■ Wells 250m Buffer Total

● Wells10to50

Wells polygons

■ Wells1km_500B

Topography

— 10m Elevation Contours

Base Layers

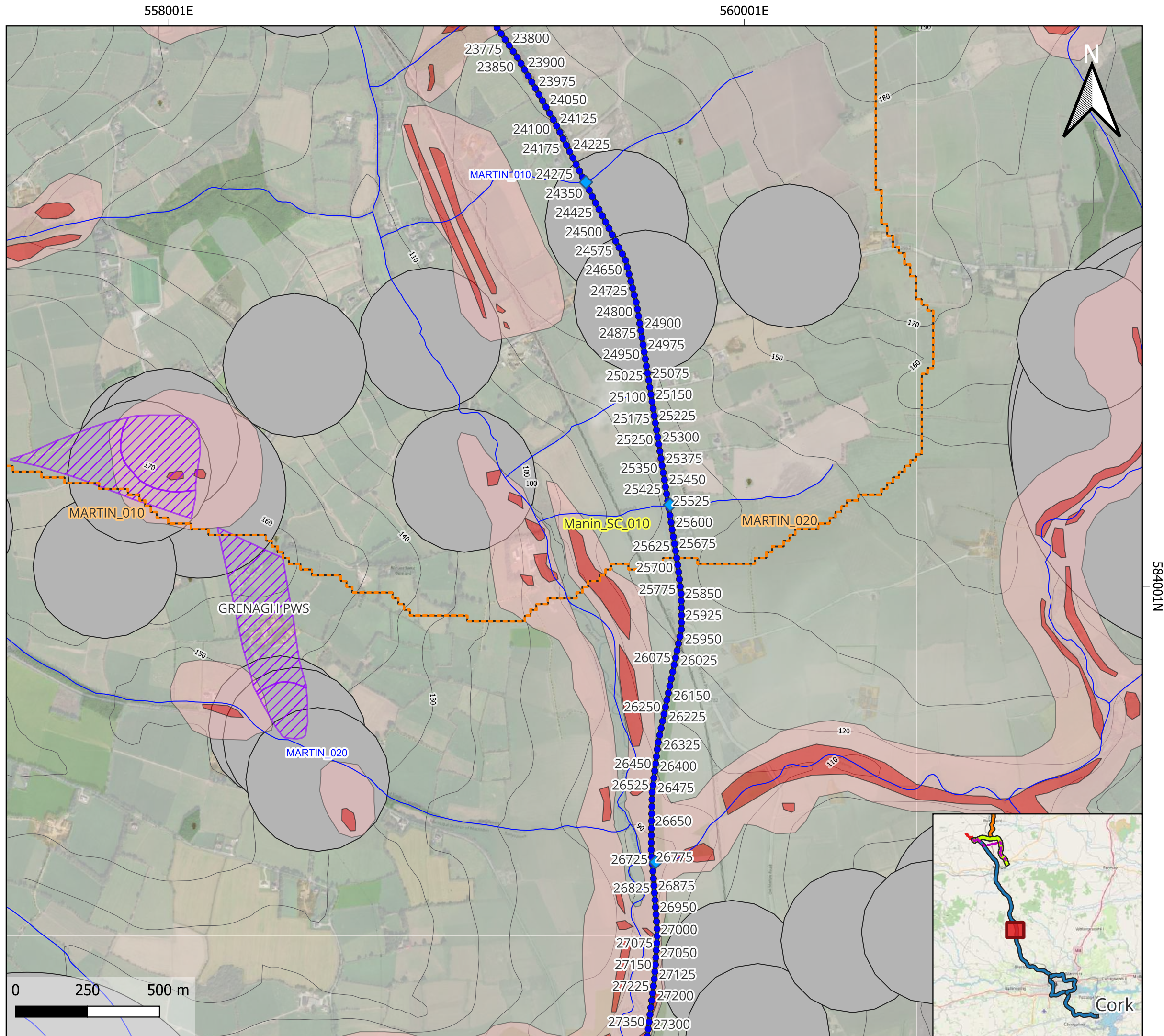
OpenStreetMap

Bing Aerial

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RSK



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Figure 9.14d - Constraints TDR Option 2

Tile_12

Legend

Tullacondra Wind Farm

Water Course Crossings

TDR2 WCC

Turbine Delivery Route (TDR)

25m Intervals TDR2

TDR Option 2

Constraints

Hydrology

604162_WFD_Riverwaterbodies

WFD_Subcatchments

WFD_RiverSubBasins_Cycle3

Hydrogeology

Groundwater

IRL_VULNERABILITY_ITM

X

E

Wells

Wells 250m Buffer Total

Wells10to50

Wells polygons

Wells1km_500B

Wells200_100B

Topography

10m Elevation Contours

Base Layers

OpenStreetMap

Bing Aerial

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RSK

This figure is a detailed topographic map of a rural area in County Cork, Ireland, showing the proposed Turbine Delivery Route (TDR) Option 2. The map features a central blue line representing the TDR route, which is marked with 25m elevation intervals. The route starts at an elevation of 28800m and descends to 32475m. Key locations along the route include MARTIN_030, MARTIN_040, SHOURNAGH_030, and TDR_WCC_220. The map also displays various constraints, including WFD_RiverSubBasins_Cycle3 (orange dashed line), WFD_Subcatchments (yellow dashed line), and IRL_VULNERABILITY_ITM (red and pink shaded areas). Elevation contours are shown at 10m intervals, ranging from 80m to 160m. A scale bar at the bottom left indicates distances of 0, 250, and 500 meters. A north arrow is located in the top right corner. An inset map in the bottom right corner shows the location of the study area within the Cork region. The map is labeled with coordinates 560001E and 562001E at the top, and 578001N and 580001N on the right side.

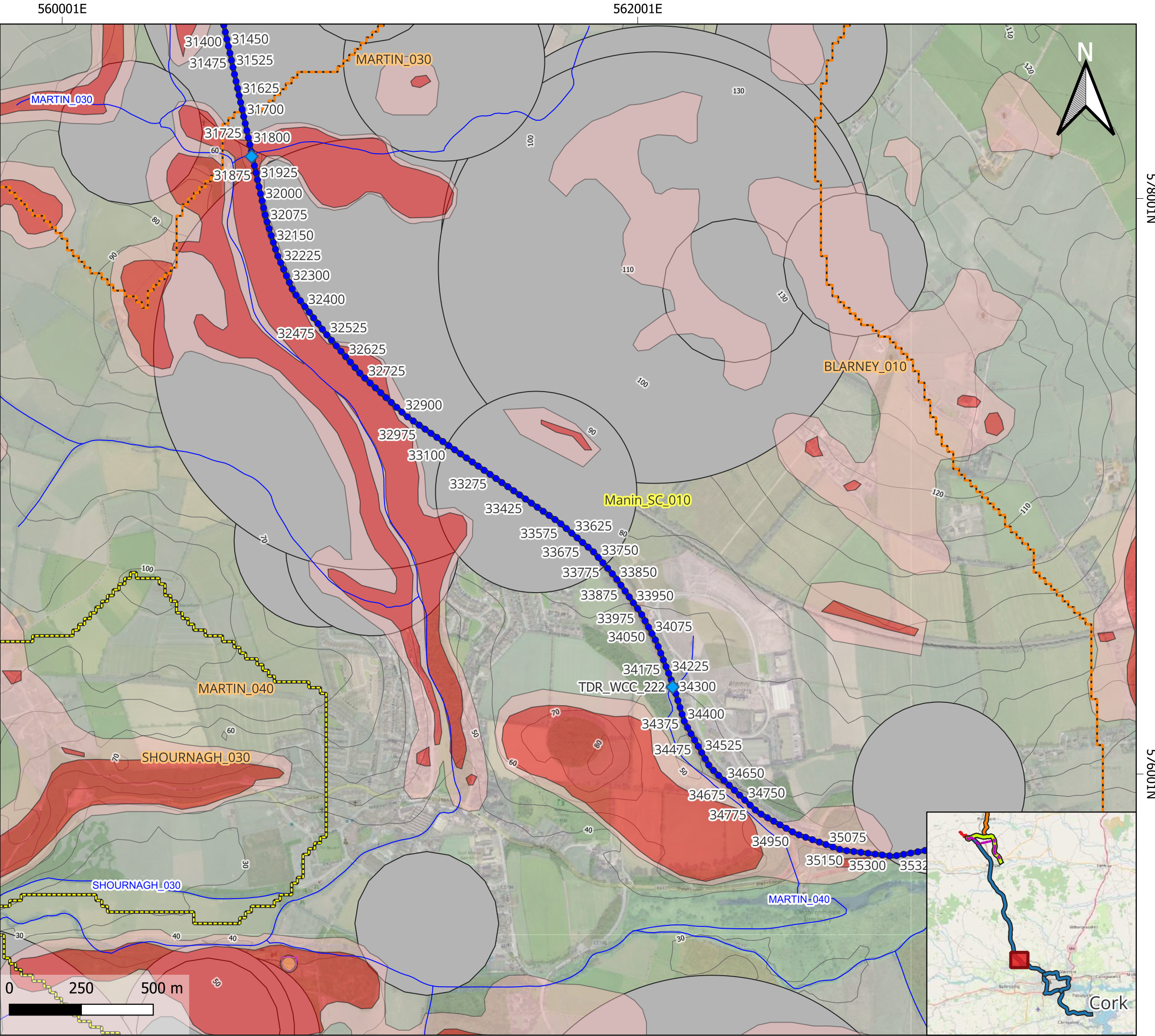
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Figure 9.14d - Constraints TDR Option 2
Tile_13

Legend
Tullacondra Wind Farm
Water Course Crossings
TDR2 WCC
Turbine Delivery Route (TDR)
25m Intervals TDR2
TDR Option 2
Constraints
Hydrology
604162_WFD_Riverwaterbodies
WFD_Subcatchments
WFD_RiverSubBasins_Cycle3
Hydrogeology
Groundwater
IRL_VULNERABILITY_ITM
X
E
Wells
Wells 250m Buffer Total
Wells10to50
Wells polygons
Wells1km_500B
Wells200_100B
Topography
10m Elevation Contours
Base Layers
OpenStreetMap
Bing Aerial

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Figure 9.14d - Constraints TDR Option 2
Tile_14

Legend

Tullacondra Wind Farm

Water Course Crossings

◆ TDR2 WCC

Turbine Delivery Route (TDR)

● 25m Intervals TDR2

— TDR Option 2

Constraints

Hydrology

— 604162_WFD_Riverwaterbodies

▬ WFD_Subcatchments

▬ WFD_RiverSubBasins_Cycle3

Hydrogeology

Groundwater

IRL_VULNERABILITY_ITM

■ X

■ E

Wells

■ Wells 250m Buffer Total

● Wells10to50

Wells polygons

■ Wells1km_500B

Topography

— 10m Elevation Contours

Base Layers

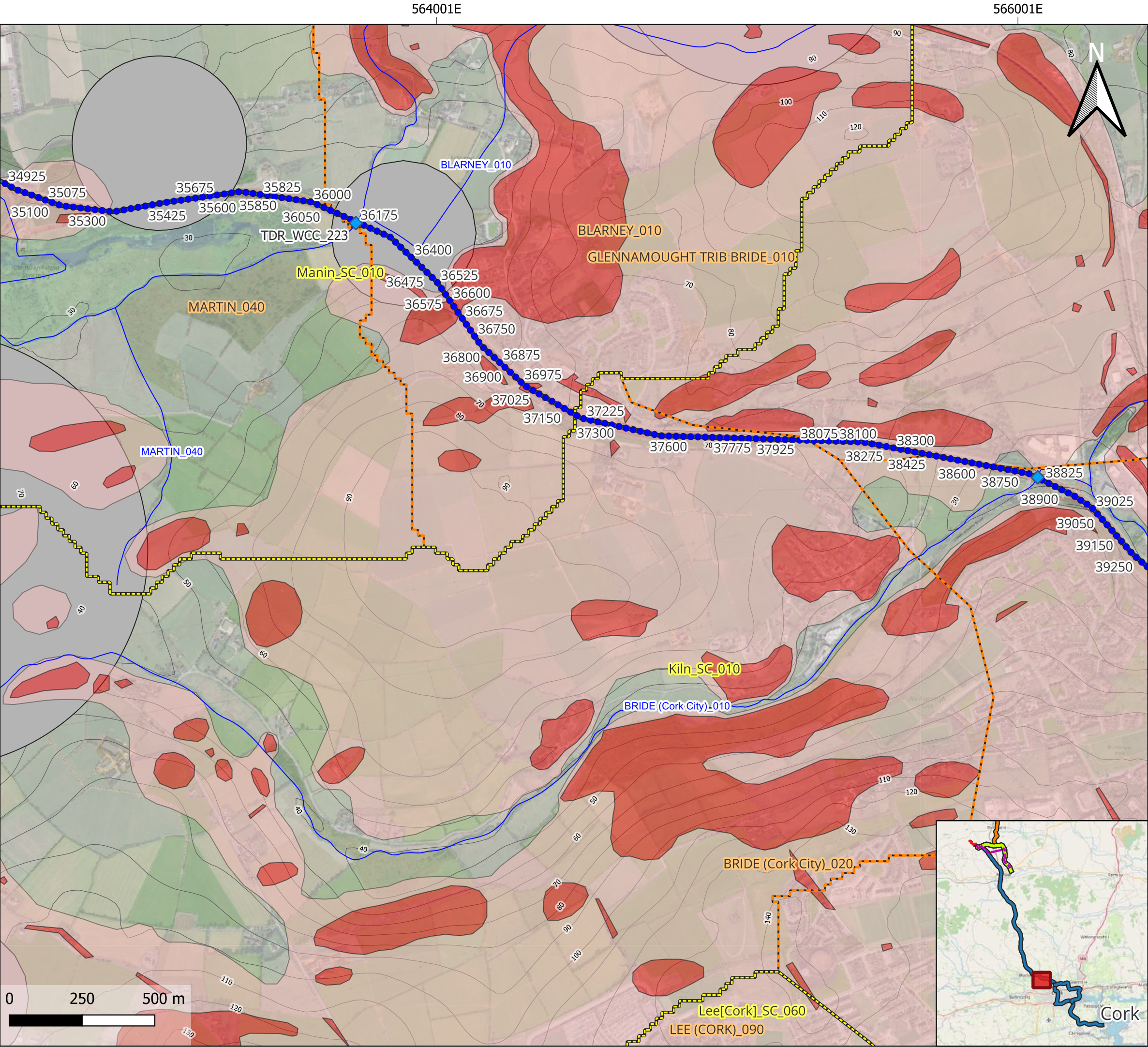
OpenStreetMap

Bing Aerial

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RSK



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Figure 9.14d - Constraints TDR Option 2
Tile_15

Legend

Tullacondra Wind Farm

Water Course Crossings

TDR2 WCC

Turbine Delivery Route (TDR)

25m Intervals TDR2

TDR Option 2

Constraints

Hydrology

604162_WFD_Riverwaterbodies

WFD_Subcatchments

WFD_RiverSubBasins_Cycle3

Hydrogeology

Groundwater

IRL_VULNERABILITY_ITM

X

E

Wells

Wells 250m Buffer Total

Wells10to50

Wells polygons

Wells200_100B

Topography

10m Elevation Contours

Base Layers

OpenStreetMap

Bing Aerial

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References/Sources:

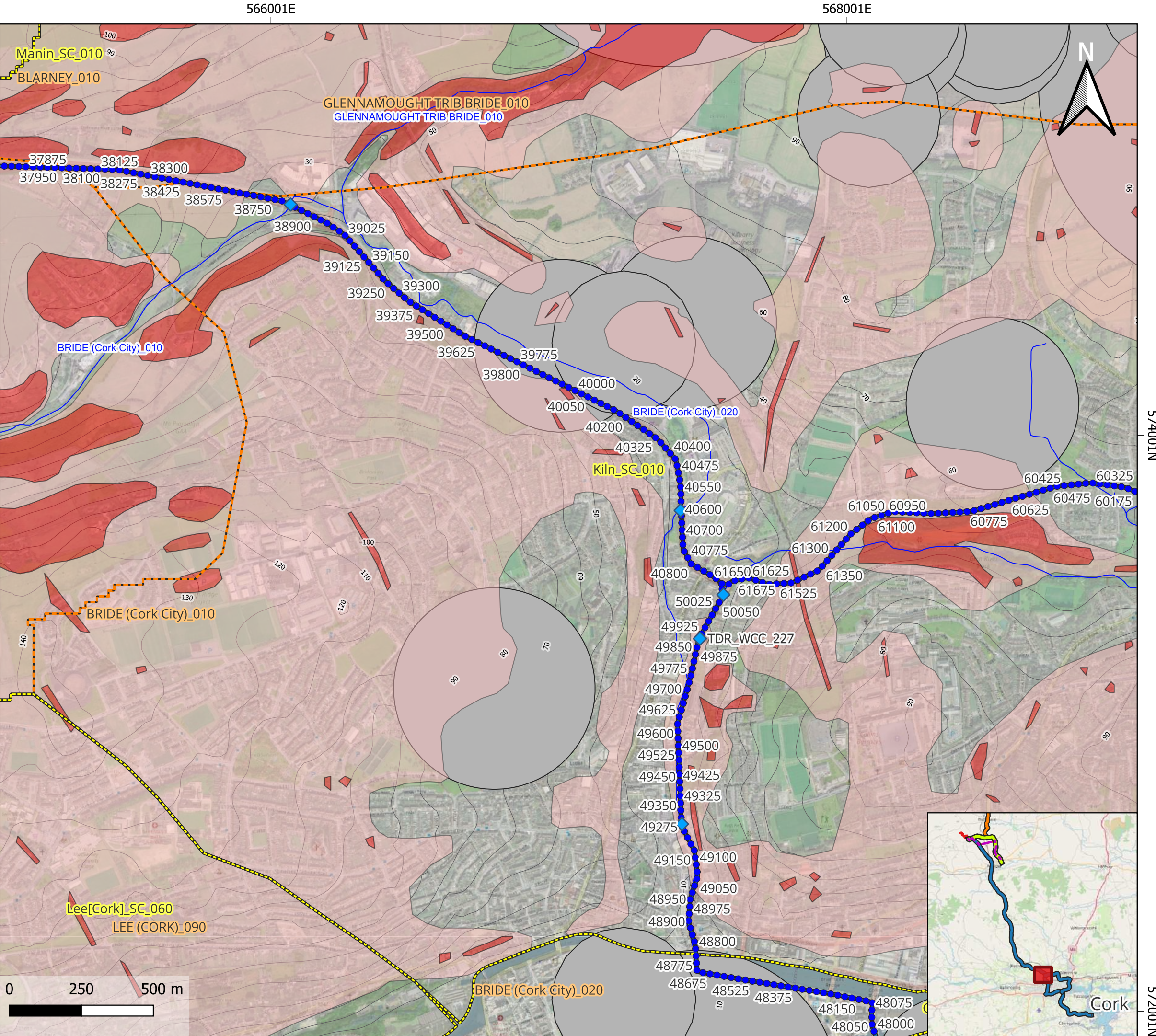
Environmental Protection Agency (EPA)

Geological Services Ireland (GSI)

Bing Aerial / GeoHive / Open Street Map / Google Roads

Global Digital Elevation Model (GDEM)

RSK



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Figure 9.14d - Constraints TDR Option 2
Tile_16

Legend

Tullacondra Wind Farm

Water Course Crossings

TDR2 WCC

Turbine Delivery Route (TDR)

25m Intervals TDR2

TDR Option 2

Constraints

Hydrology

604162_WFD_Riverwaterbodies

WFD_Subcatchments

WFD_RiverSubBasins_Cycle3

Hydrogeology

Groundwater

IRL_VULNERABILITY_ITM

X

E

Wells

Wells 250m Buffer Total

Wells10to50

Wells polygons

Wells200_100B

Topography

10m Elevation Contours

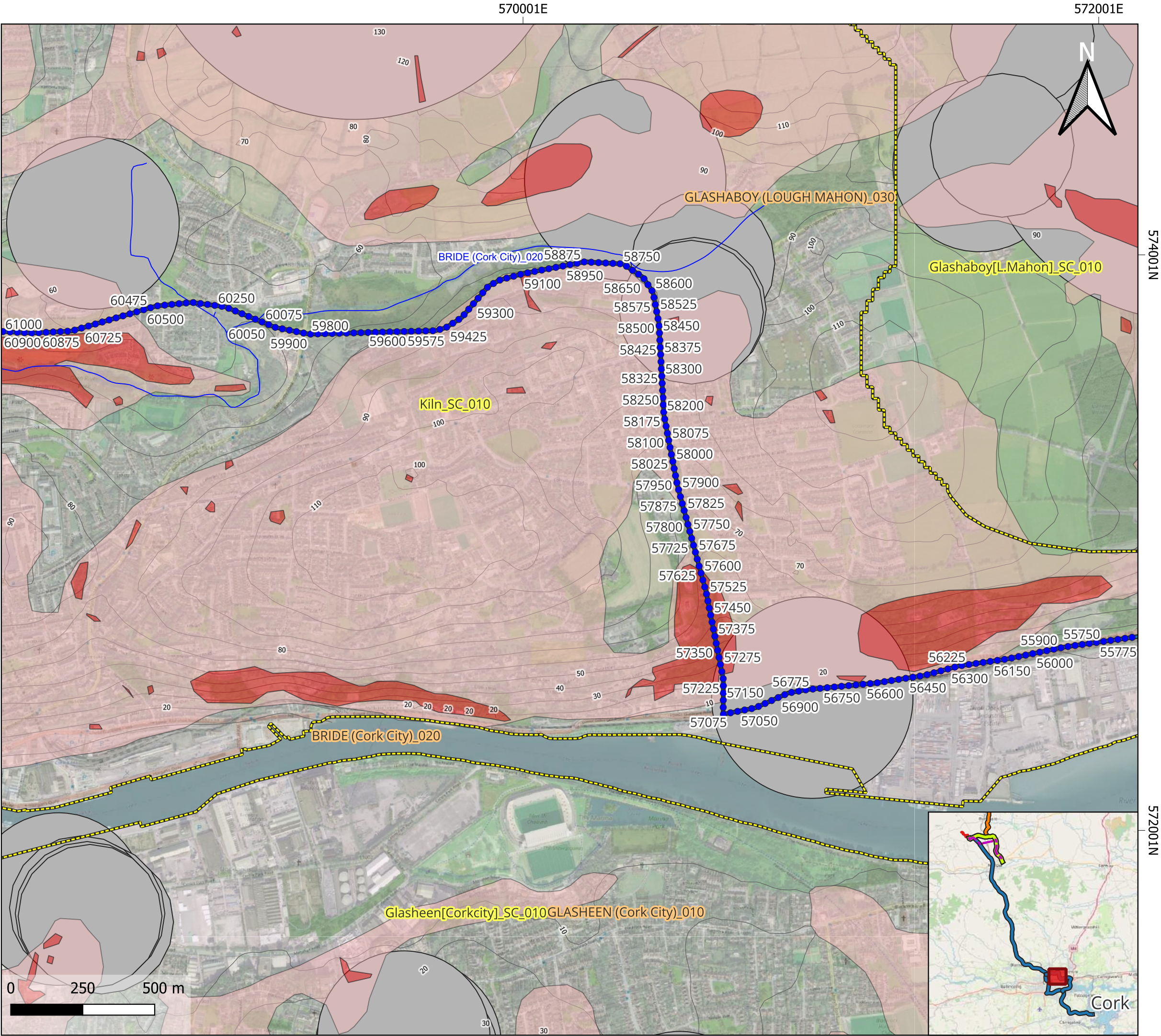
Base Layers

OpenStreetMap

Bing Aerial

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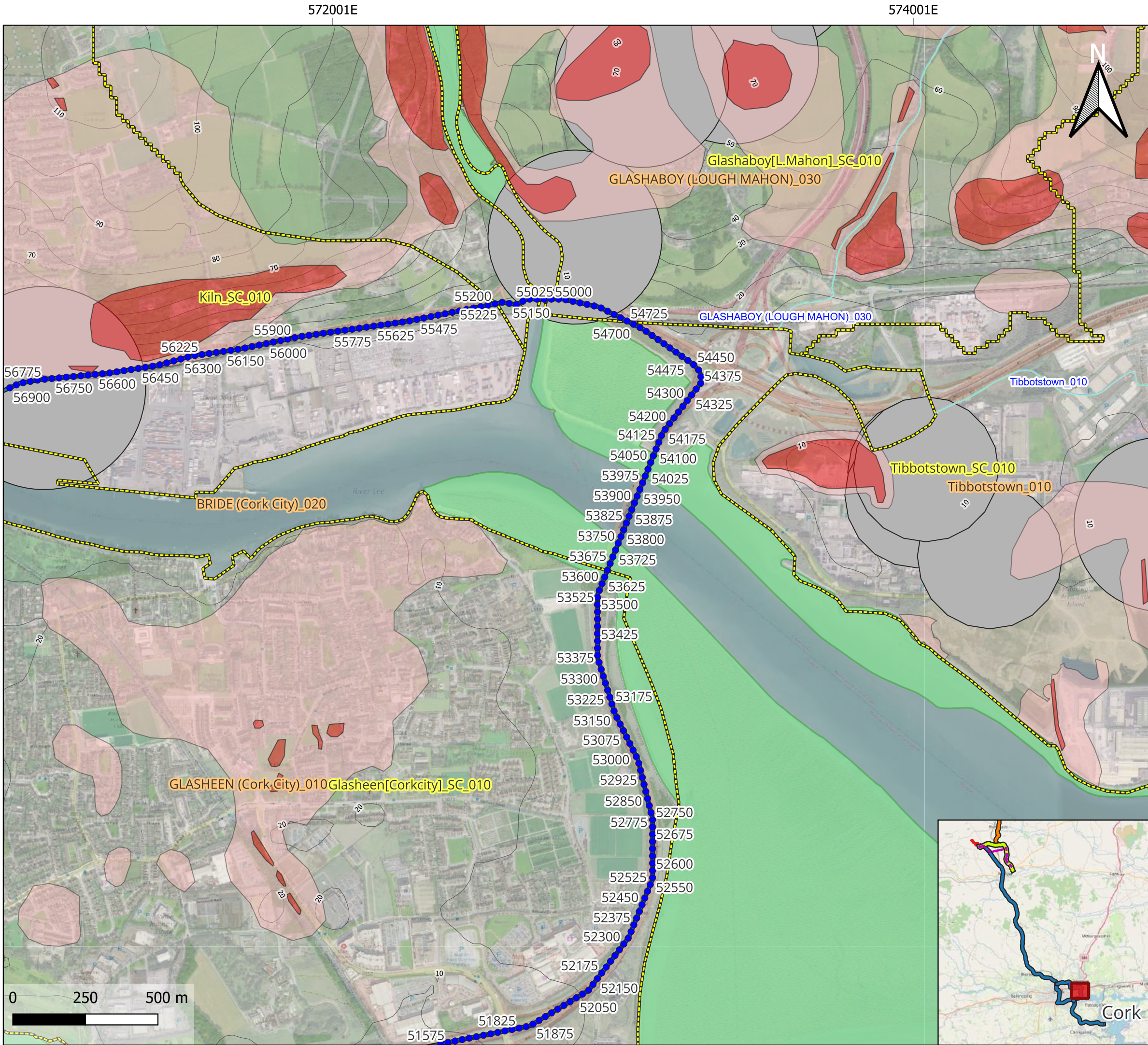
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Figure 9.14d - Constraints TDR Option 2
Tile_17

- Legend**
- Tullacondra Wind Farm**
- Turbine Delivery Route (TDR)**
- 25m Intervals TDR2
 - TDR Option 2
- Constraints**
- Hydrology**
- 604162_WFD_Riverwaterbodies
 - WFD_Subcatchments
 - WFD_RiverSubBasins_Cycle3
- Hydrogeology**
- Groundwater**
- IRL_VULNERABILITY_ITM**
- X
 - E
- Wells**
- Wells 250m Buffer Total
 - Wells10to50
- Wells polygons**
- Wells200_100B
 - Wells100_50B
- Designated Areas**
- SPA_ITM_2021_10
- Topography**
- 10m Elevation Contours
- Base Layers**
- OpenStreetMap**
- Bing Aerial**

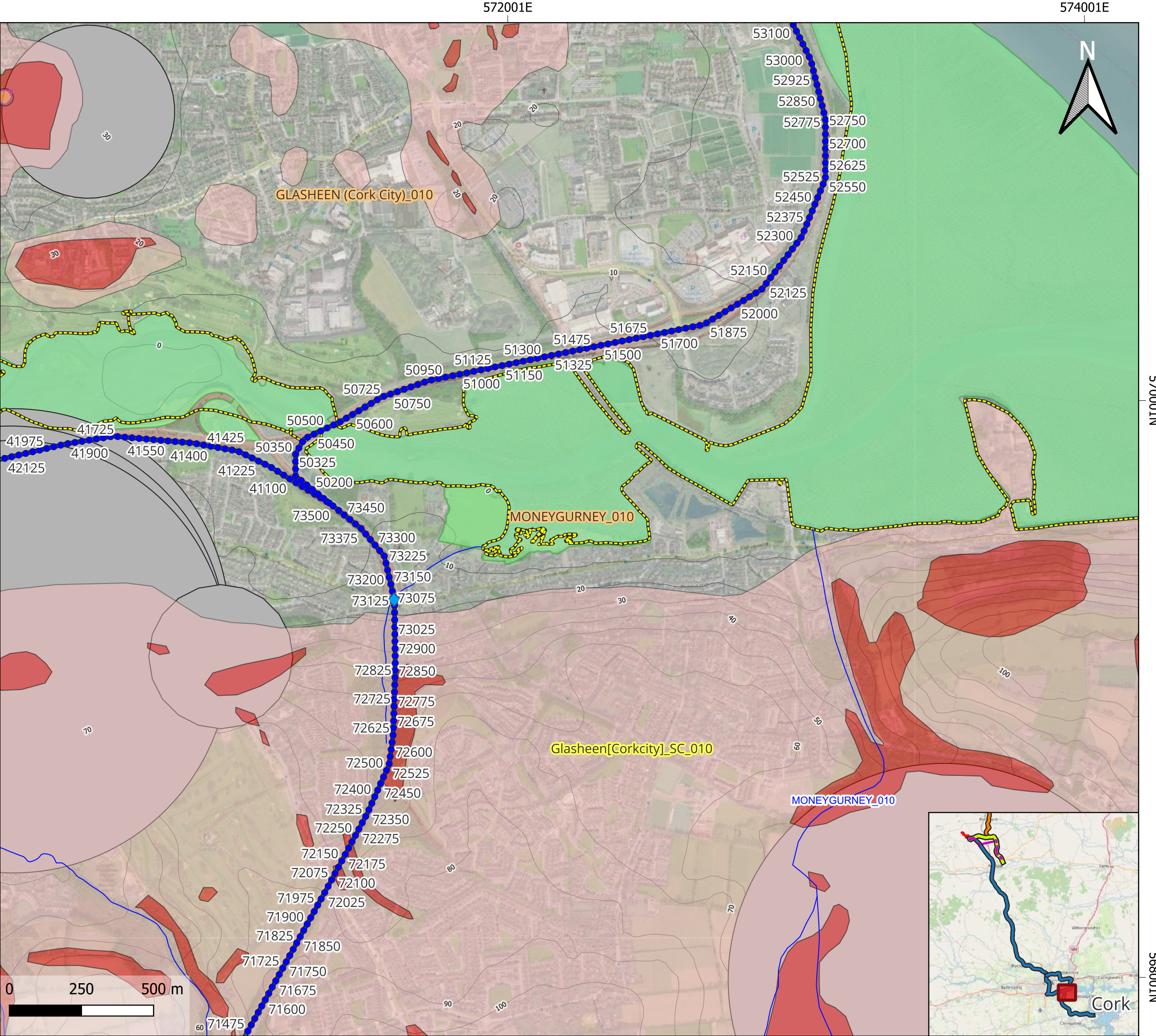
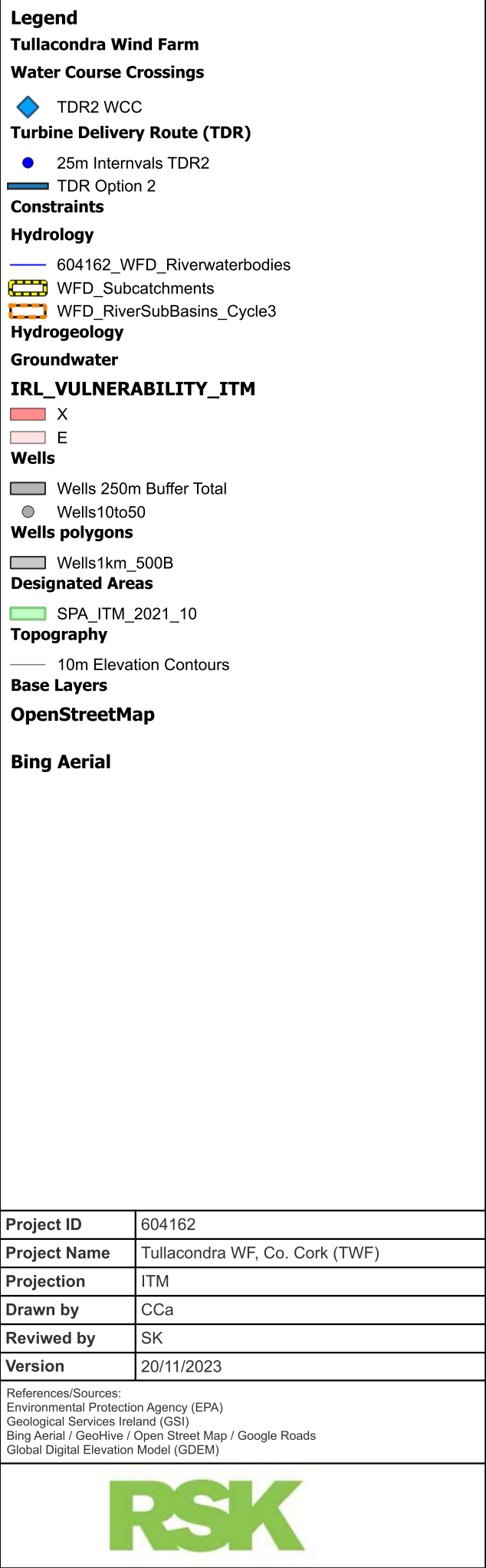
Project ID	604162
Project Name	Tullacondra WF, Co. Cork (TWF)
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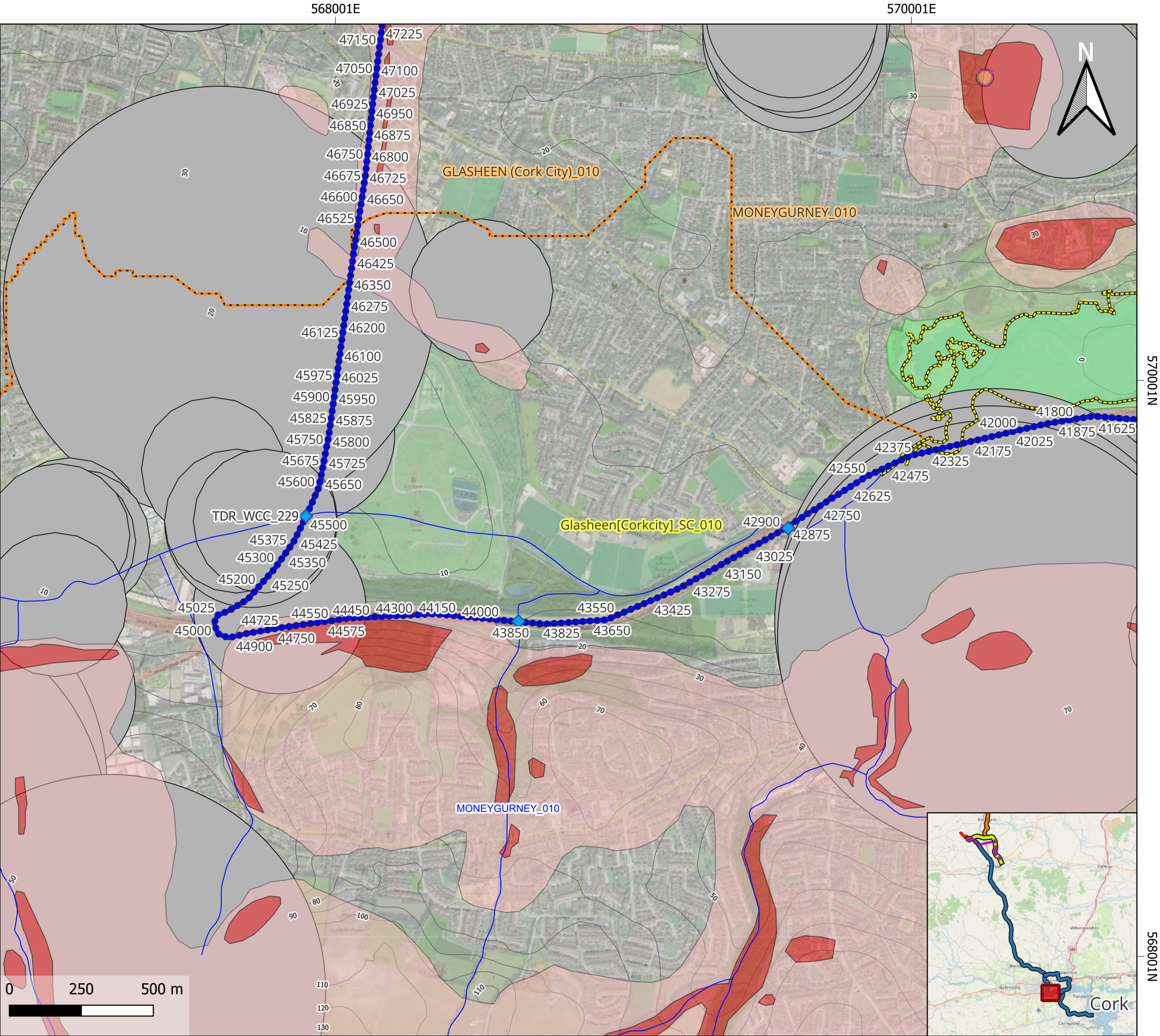
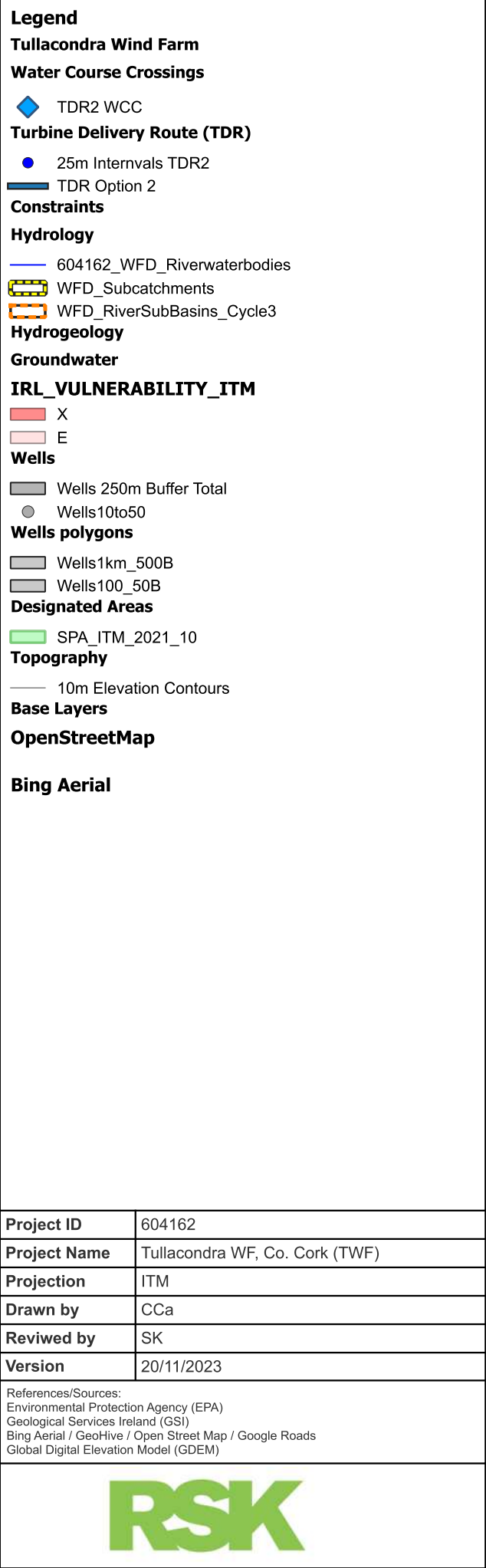
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Figure 9.14d - Constraints TDR Option 2
Tile_18



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Figure 9.14d - Constraints TDR Option 2
Tile_19

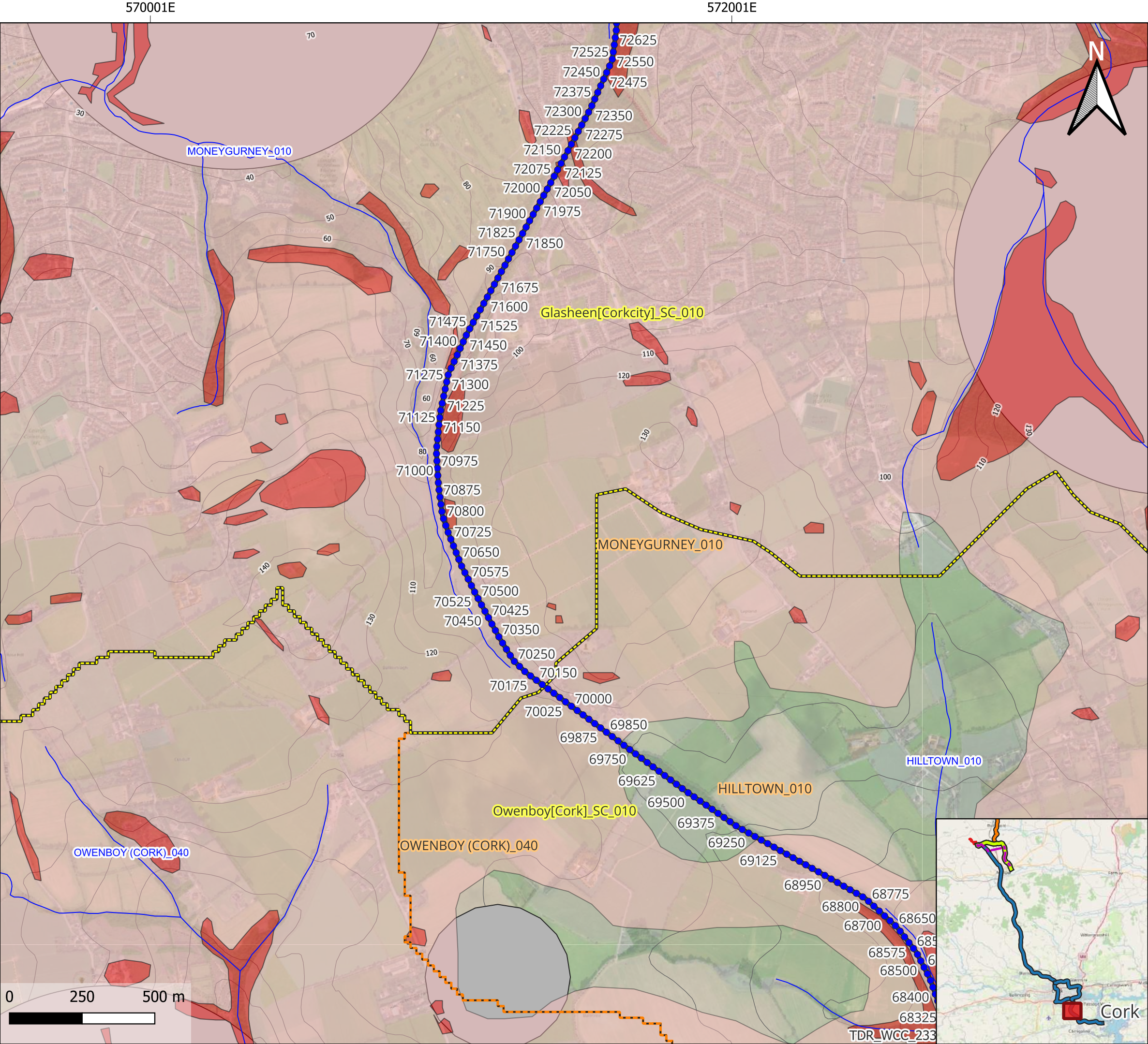


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Figure 9.14d - Constraints TDR Option 2
Tile_21

Legend
Tullacondra Wind Farm
Turbine Delivery Route (TDR)
● 25m Intervals TDR2
— TDR Option 2
Constraints
Hydrology
— 604162_WFD_Riverwaterbodies
▨ WFD_Subcatchments
▨ WFD_RiverSubBasins_Cycle3
Hydrogeology
Groundwater
IRL_VULNERABILITY_ITM
■ X
■ E
Wells
■ Wells 250m Buffer Total
Wells polygons
■ Wells1km_500B
Topography
— 10m Elevation Contours
Base Layers
OpenStreetMap
Bing Aerial

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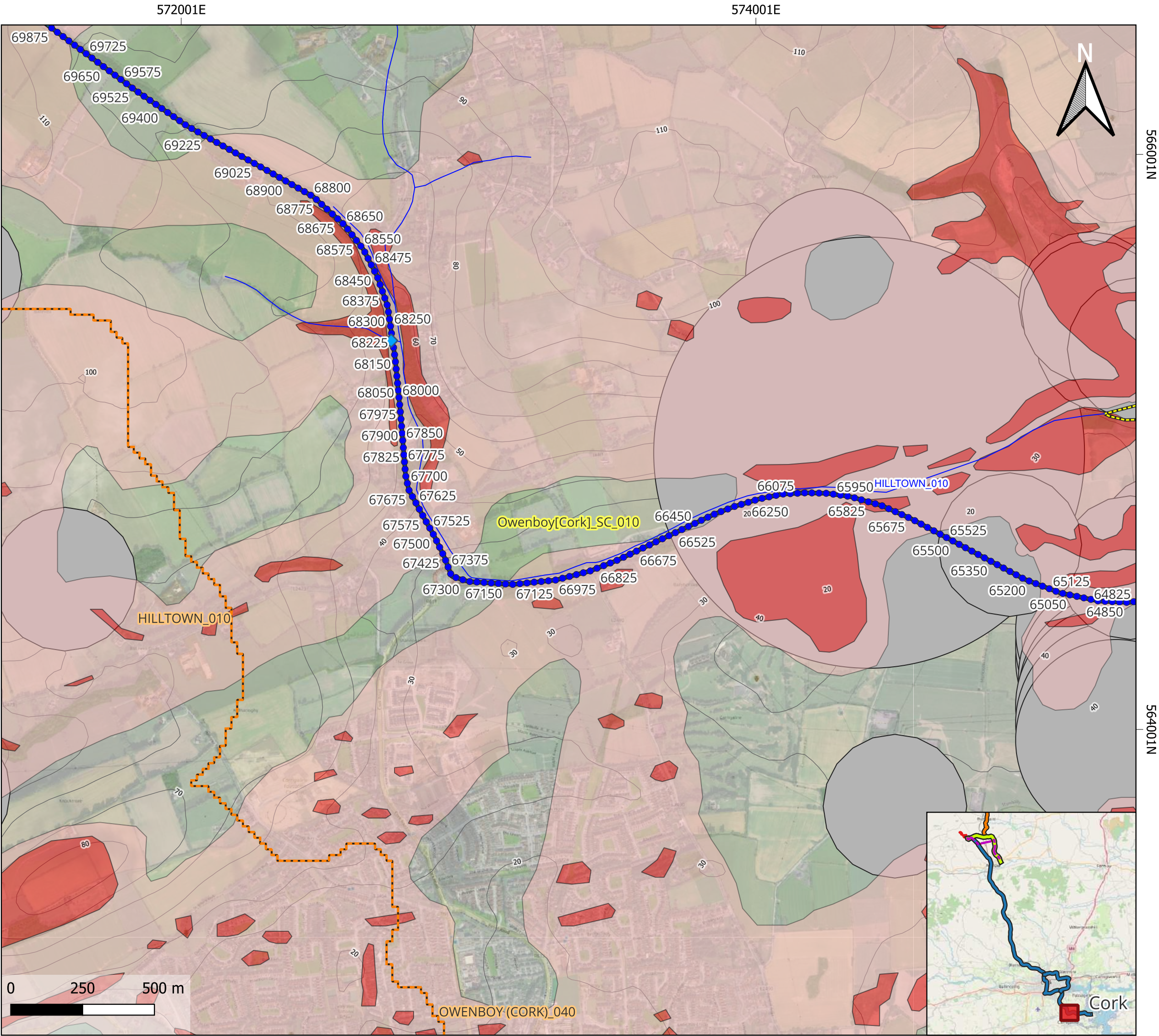
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Figure 9.14d - Constraints TDR Option 2
Tile_22

- Legend**
- Tullacondra Wind Farm**
- Water Course Crossings**
- TDR2 WCC
- Turbine Delivery Route (TDR)**
- 25m Intervals TDR2
 - TDR Option 2
- Constraints**
- Hydrology**
- 604162_WFD_Riverwaterbodies
 - WFD_Subcatchments
 - WFD_RiverSubBasins_Cycle3
- Hydrogeology**
- Groundwater**
- IRL_VULNERABILITY_ITM**
- X
 - E
- Wells**
- Wells 250m Buffer Total
 - Wells10to50
- Wells polygons**
- Wells1km_500B
 - Wells100_50B
- Topography**
- 10m Elevation Contours
- Base Layers**
- OpenStreetMap**
- Bing Aerial**

Project ID	604162
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Figure 9.14d - Constraints TDR Option 2
Tile_23

Legend
Tullacondra Wind Farm
Turbine Delivery Route (TDR)

- 25m Intervals TDR2
- TDR Option 2

Constraints

Hydrology

- 604162_WFD_Riverwaterbodies
- WFD_Subcatchments
- WFD_RiverSubBasins_Cycle3

Hydrogeology

IE_GSI_Karst_Landforms_40K_IE32_ITM

- Borehole
- Cave
- 25m Buffer Karst Features

Groundwater

IRL_VULNERABILITY_ITM

- X
- E

Wells

- Wells 250m Buffer Total
- Wells10to50

Wells polygons

- Wells200_100B
- Wells100_50B

Designated Areas

- SPA_ITM_2021_10

Topography

- 10m Elevation Contours

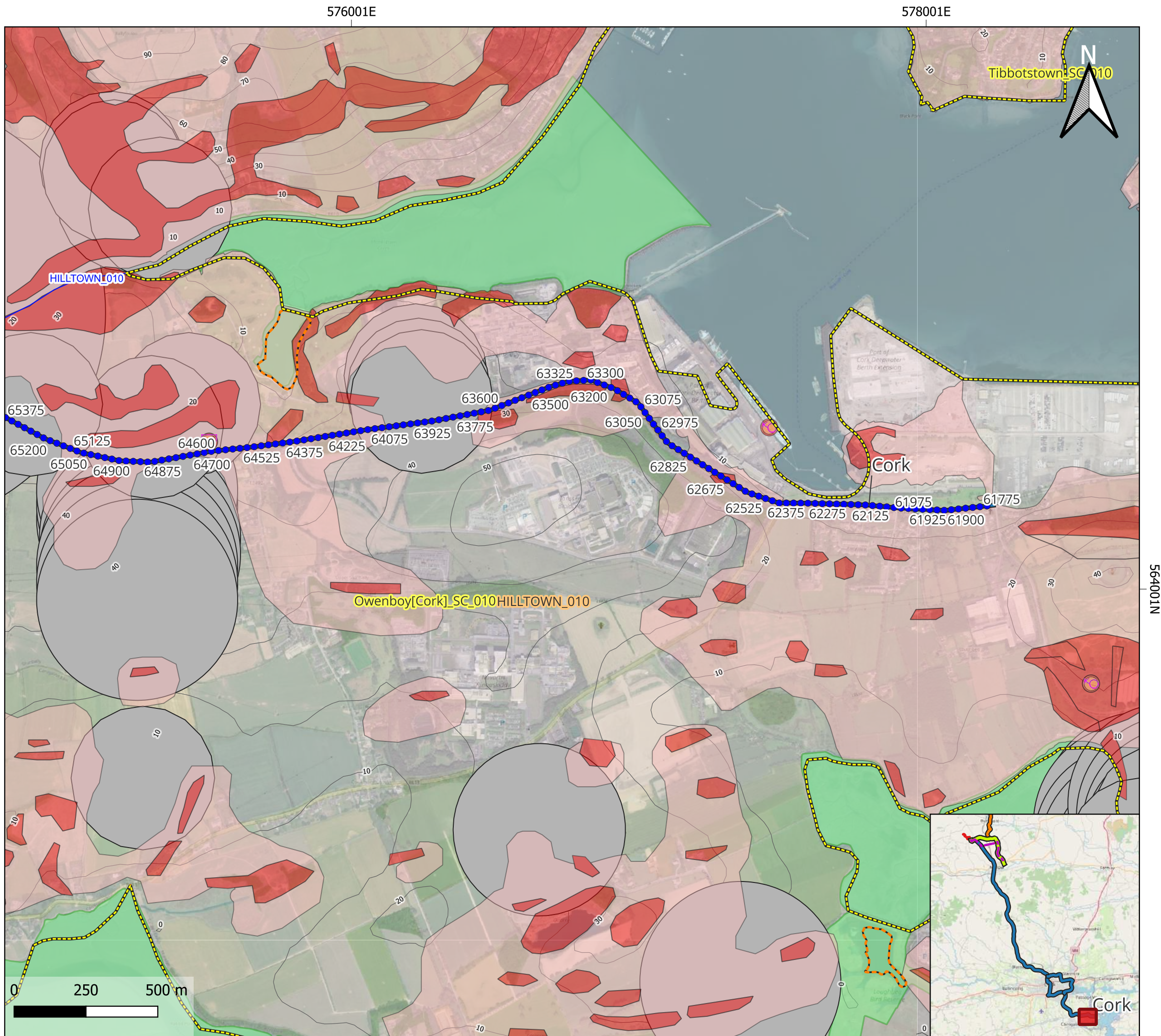
Base Layers

OpenStreetMap

Bing Aerial

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