

Figure 9.1a - Site Location & Layout Wind Farm - Tile 01 WDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - Metmast
 - grading
 - Drainage
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

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 9.1a - Site Location & Layout Wind Farm - Tile 02 WDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
 - ▭ CC Stockpile
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
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 Global Digital Elevation Model (GDEM)

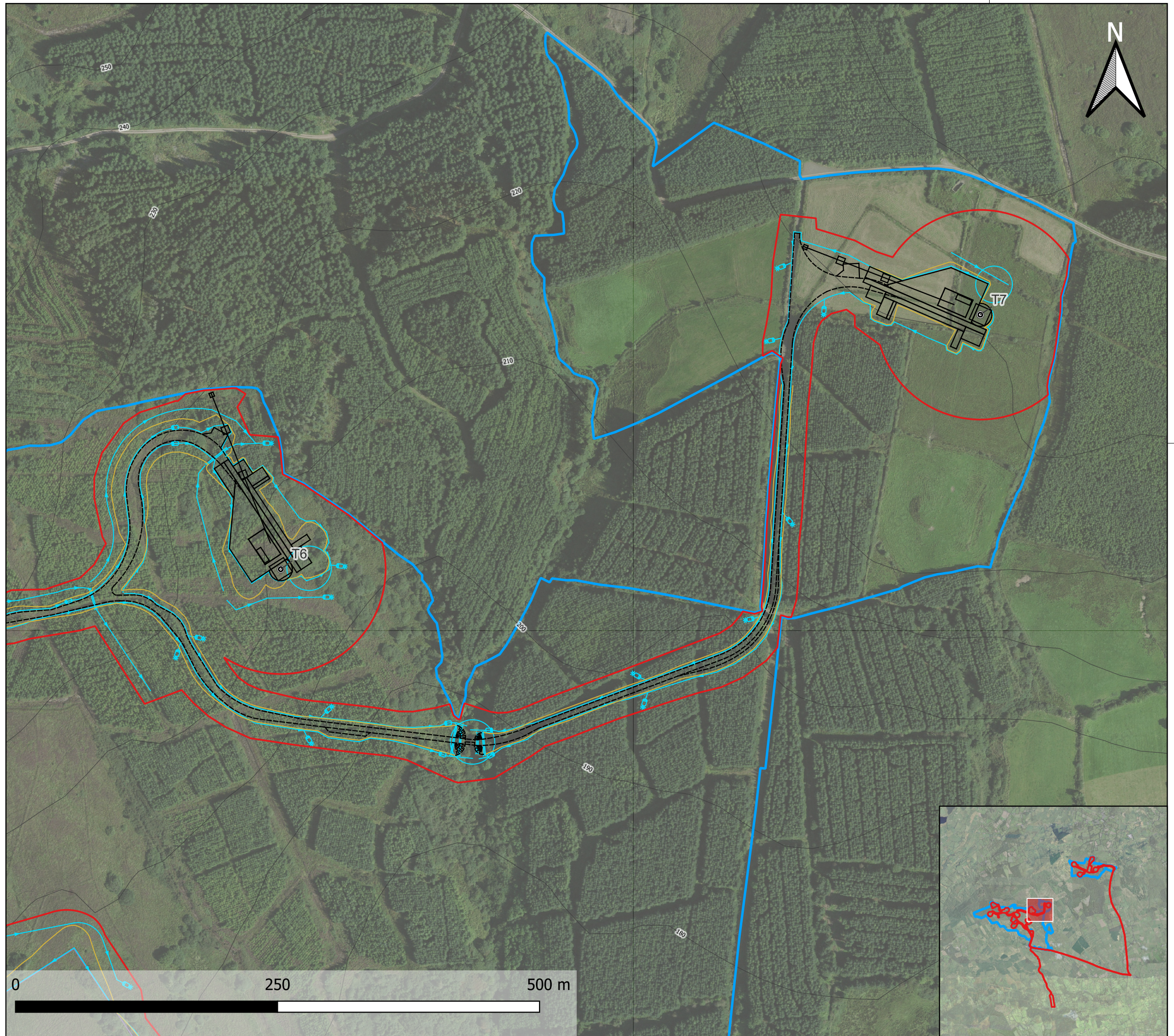


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Figure 9.1a - Site Location & Layout Wind Farm - Tile 03 WDA

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- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery



Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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Version	18/12/2023

References/Sources:
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 Bing Aerial / GeoHive / Open Street Map / Google Roads
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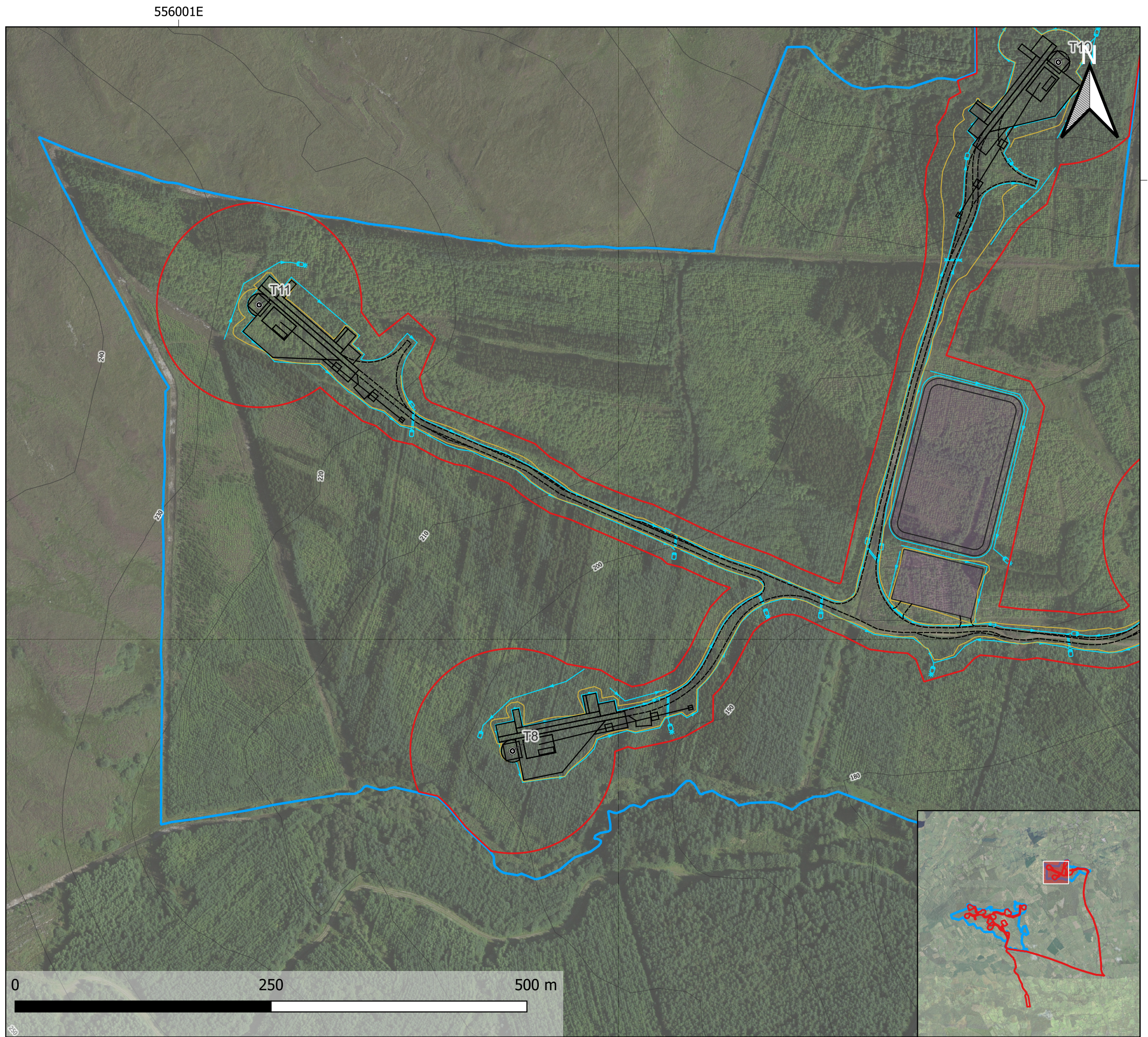
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Figure 9.1a - Site Location & Layout Wind Farm - Tile 04 EDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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Projection	ITM
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Version	18/12/2023

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Figure 9.1a - Site Location & Layout Wind Farm - Tile 05 EDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - ▭ CC Stockpile
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery






Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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References/Sources:
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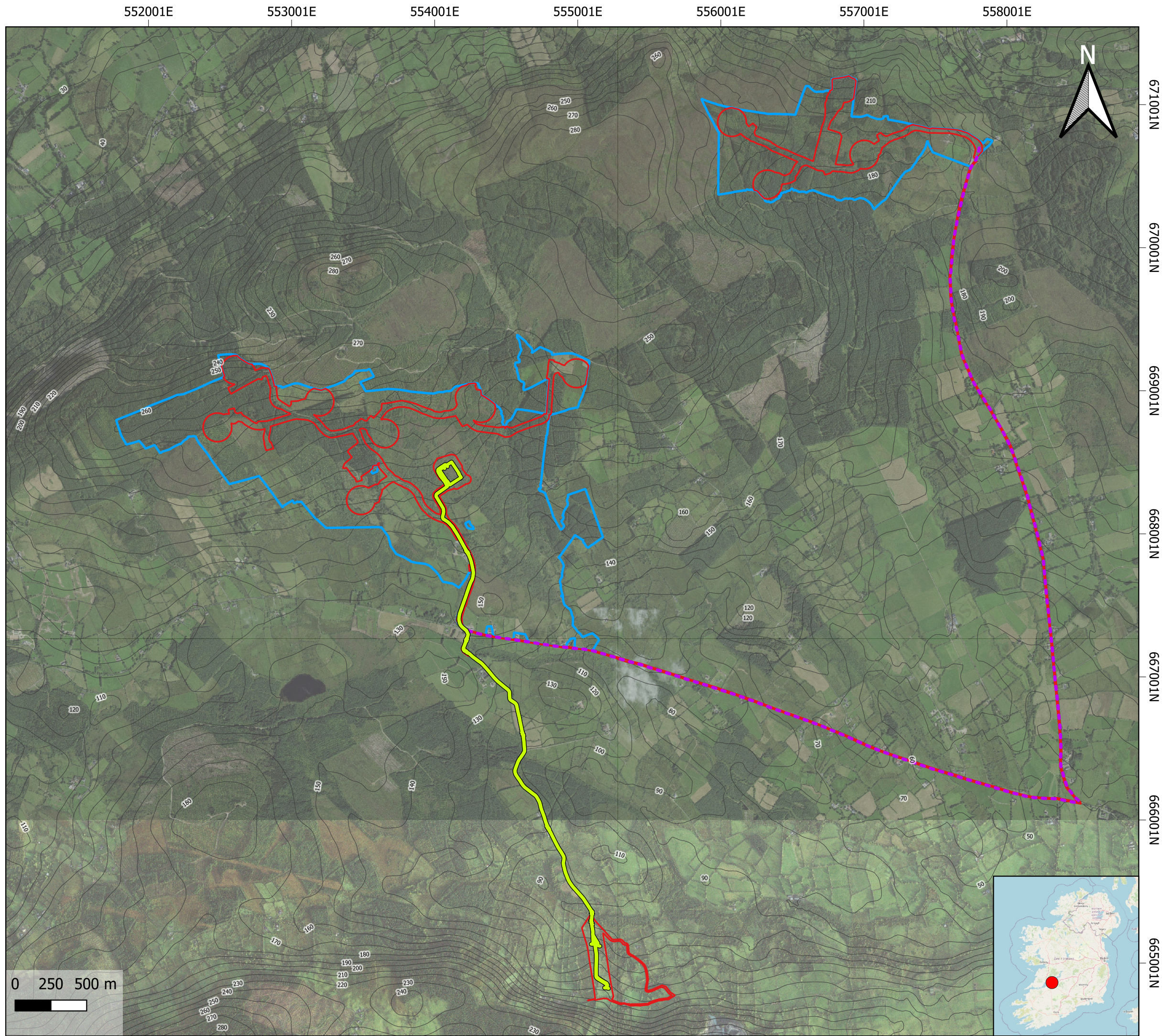
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Figure 9.1b - Site Location and Layout GCR and IPP

- Legend
- Project related data
- Site Layout
- Grid Connection
-  GCR
- IPP Alternate
-  IPP
- Site Layout
-  Red Line Boundary
 -  Blue Line Boundary
- Topography
- Contours
-  10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

References/Sources:
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 Global Digital Elevation Model (GDEM)



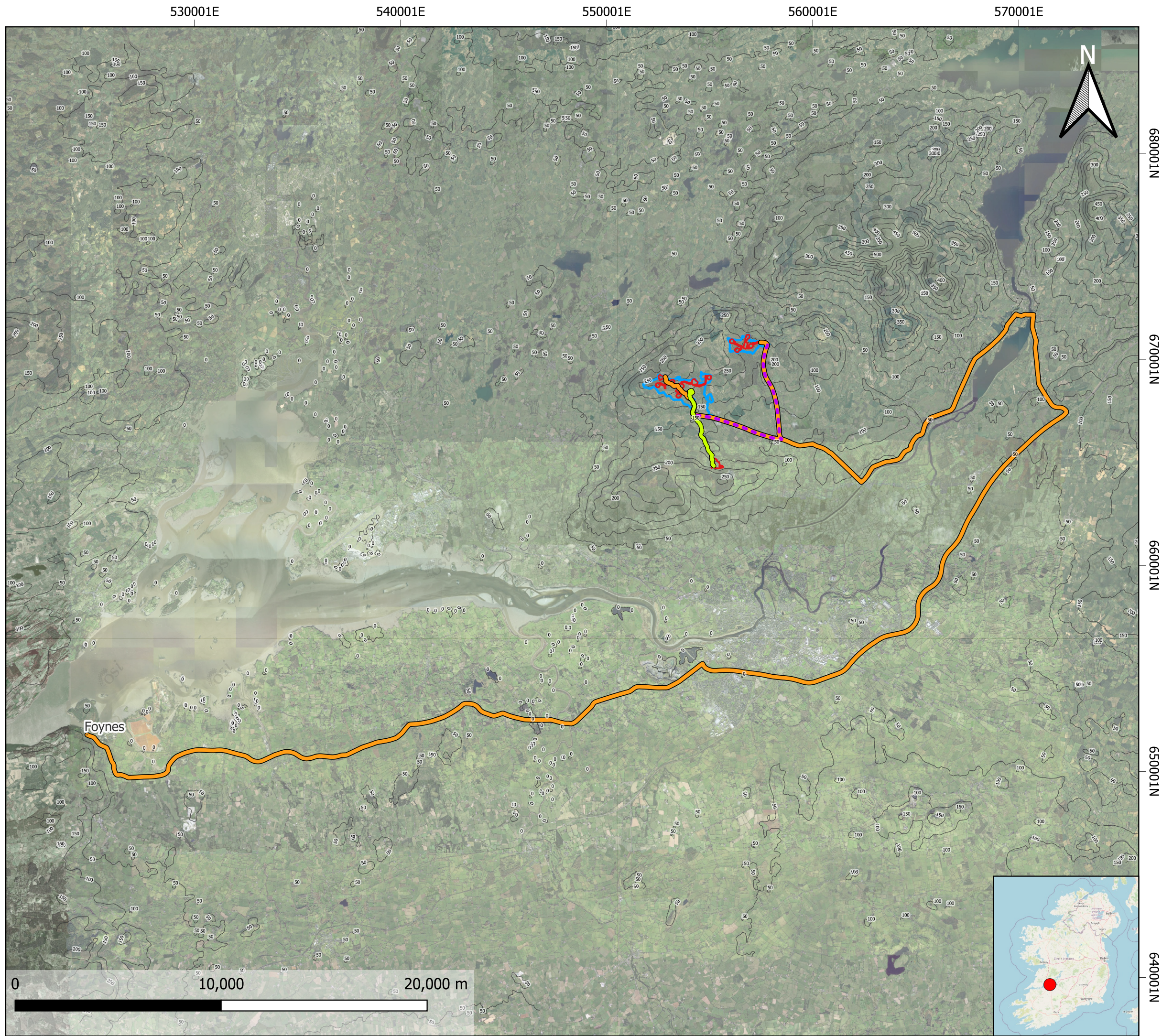
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Figure 9.1c - Site Location and Layout TDR

- Legend**
- Project related data**
- Site Layout**
- Grid Connection**
- GCR
 - IPP Alternate
 - IPP
- Turbine Delivery Route**
- TDR Route
- Site Layout**
- Red Line Boundary
 - Blue Line Boundary
- Topography**
- Contours**
- 50m Elevation Countours
- Base Layers**
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Reviwed by	SK
Version	18/12/2023

References/Sources:
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 Bing Aerial / GeoHive / Open Street Map / Google Roads
 Global Digital Elevation Model (GDEM)



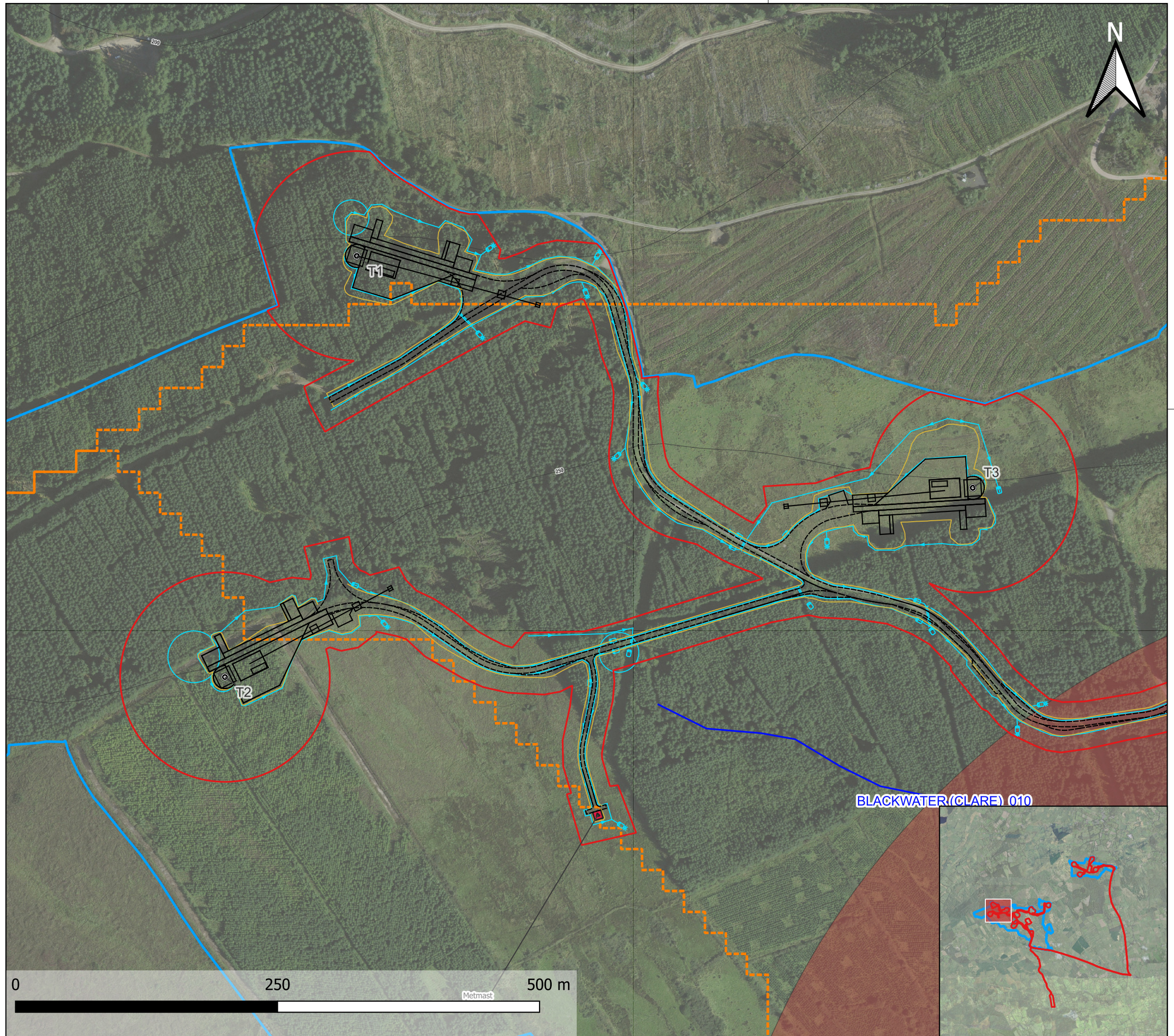
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Figure 9.2a - Wind Farm Hydrology - Tile 01 WDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - Metmast
 - grading
 - Drainage
- Constraints
- Hydrology
- 604569 WFD RiverWaterBodiesActive_Cycle3
 - 604569 Clipped WFD River Basin
- Hydrogeology
- Wells
- Wells_total
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Reviwed by	SK
Version	18/12/2023

References/Sources:
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Figure 9.2a - Wind Farm Hydrology - Tile 02 WDA

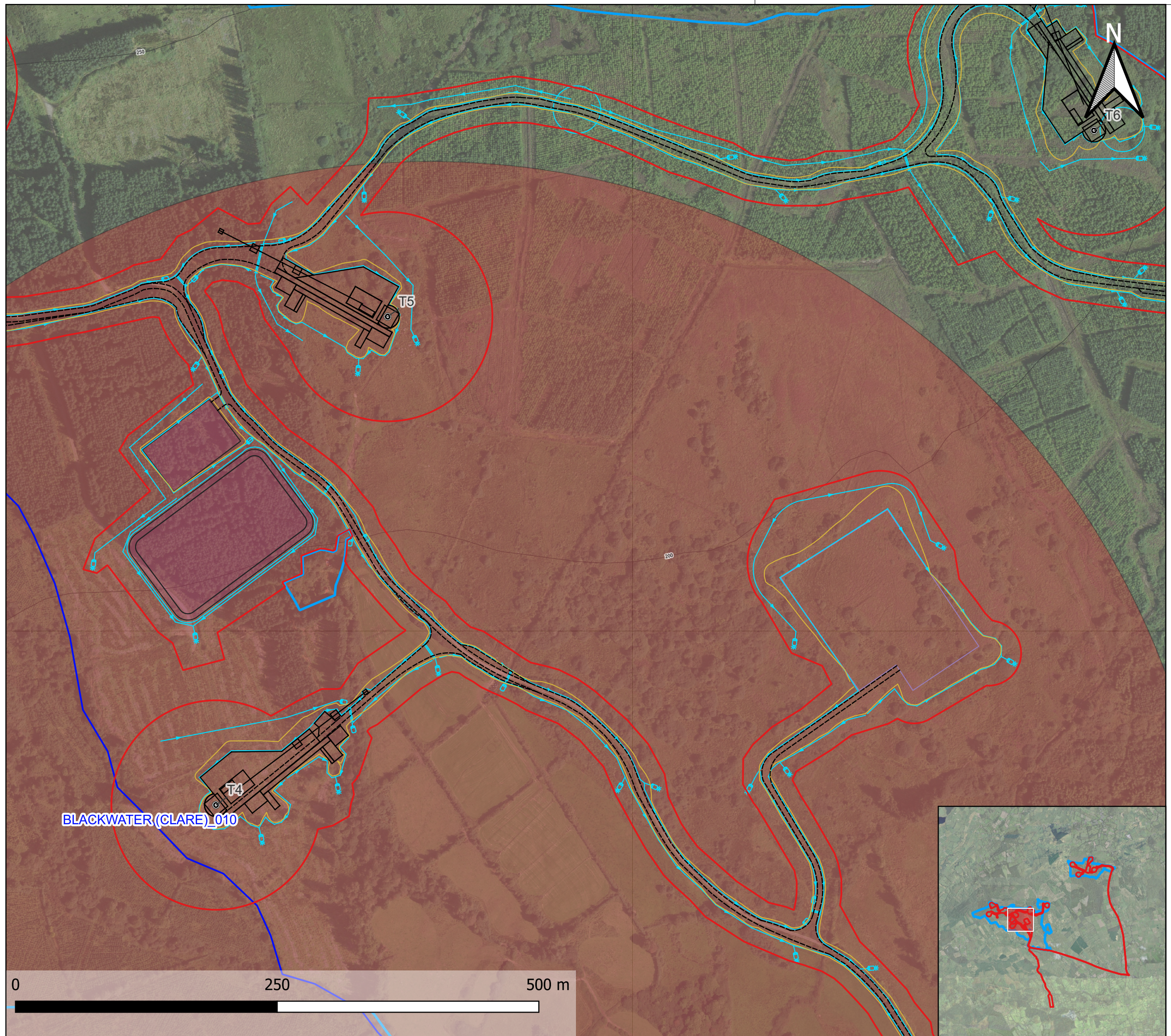
554001E

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- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
 - ▭ CC Stockpile
- Constraints
- Hydrology
- 604569 WFD RiverWaterBodiesActive_Cycle3
 - ▭ 604569 Clipped WFD River Basin
- Hydrogeology
- Wells
- ▭ Wells_total
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Reviwed by	SK
Version	18/12/2023

References/Sources:
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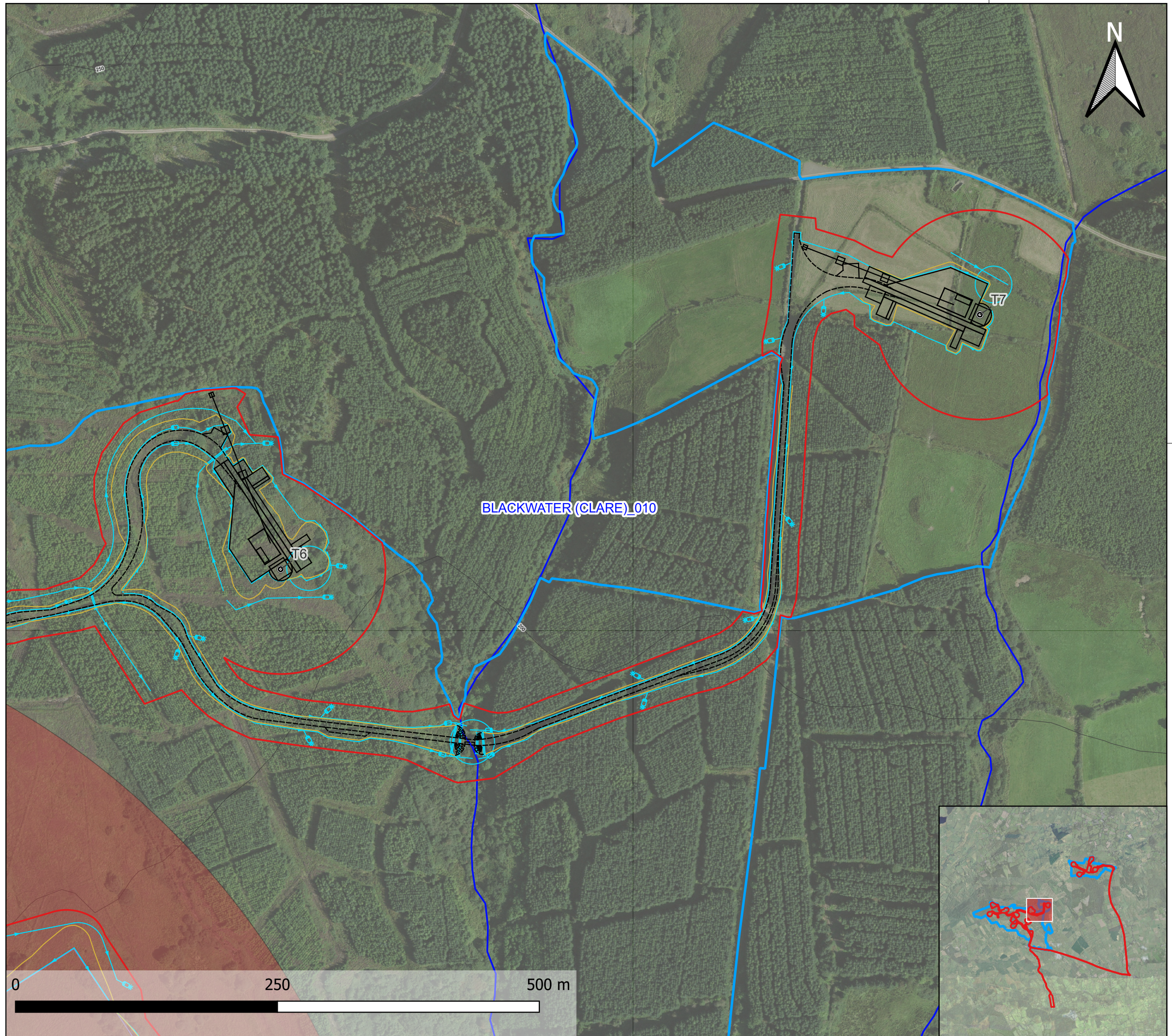
Figure 9.2a - Wind Farm Hydrology - Tile 03 WDA

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- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
- Constraints
- Hydrology
- 604569 WFD RiverWaterBodiesActive_Cycle3
 - 604569 Clipped WFD River Basin
- Hydrogeology
- Wells
- Wells_total
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
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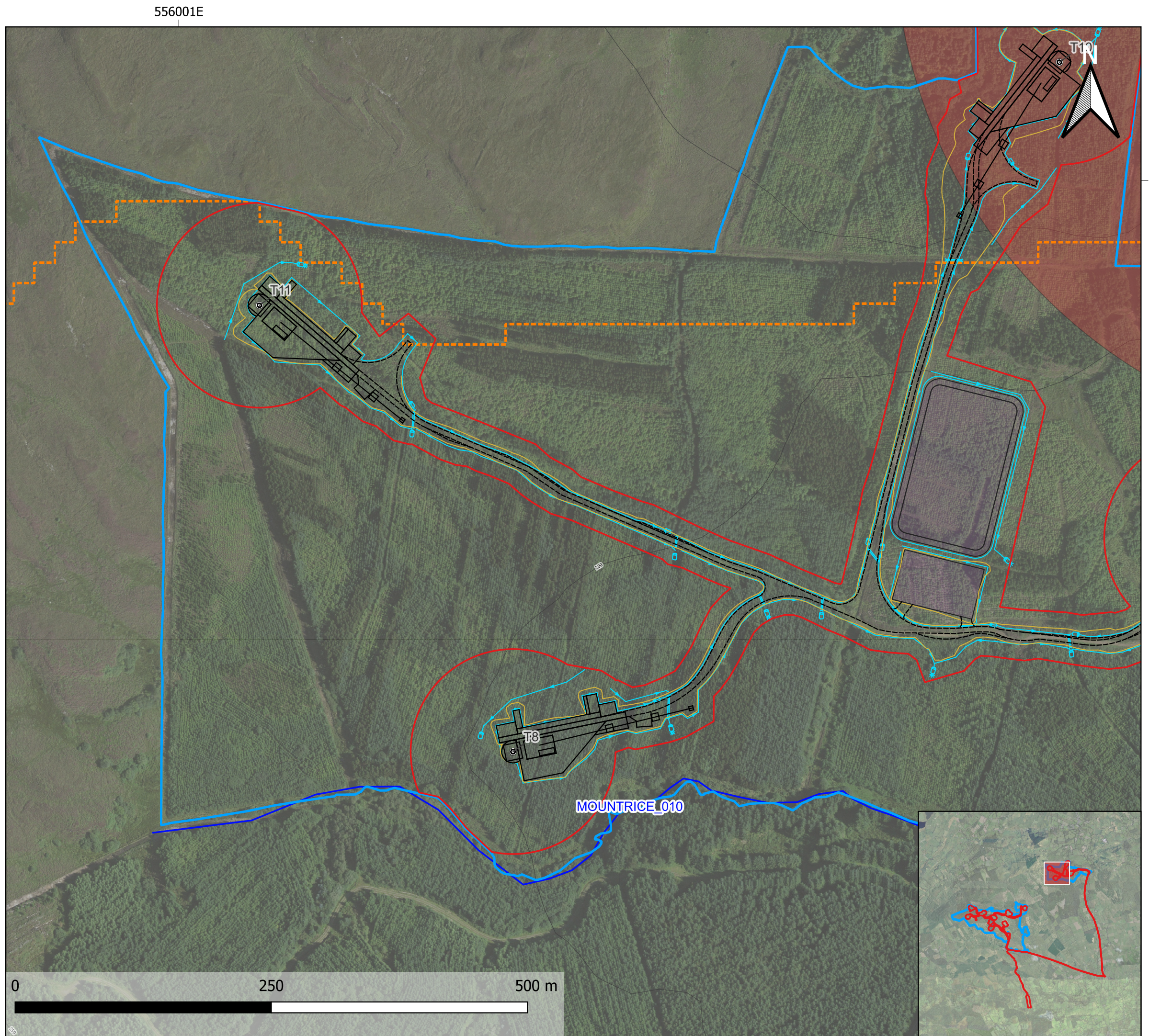
Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing / map is considered a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design puporses.

Figure 9.2a - Wind Farm Hydrology - Tile 04 EDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrology
- 604569 WFD RiverWaterBodiesActive_Cycle3
 - 604569 Clipped WFD River Basin
- Hydrogeology
- Wells
- Wells_total
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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Version	18/12/2023

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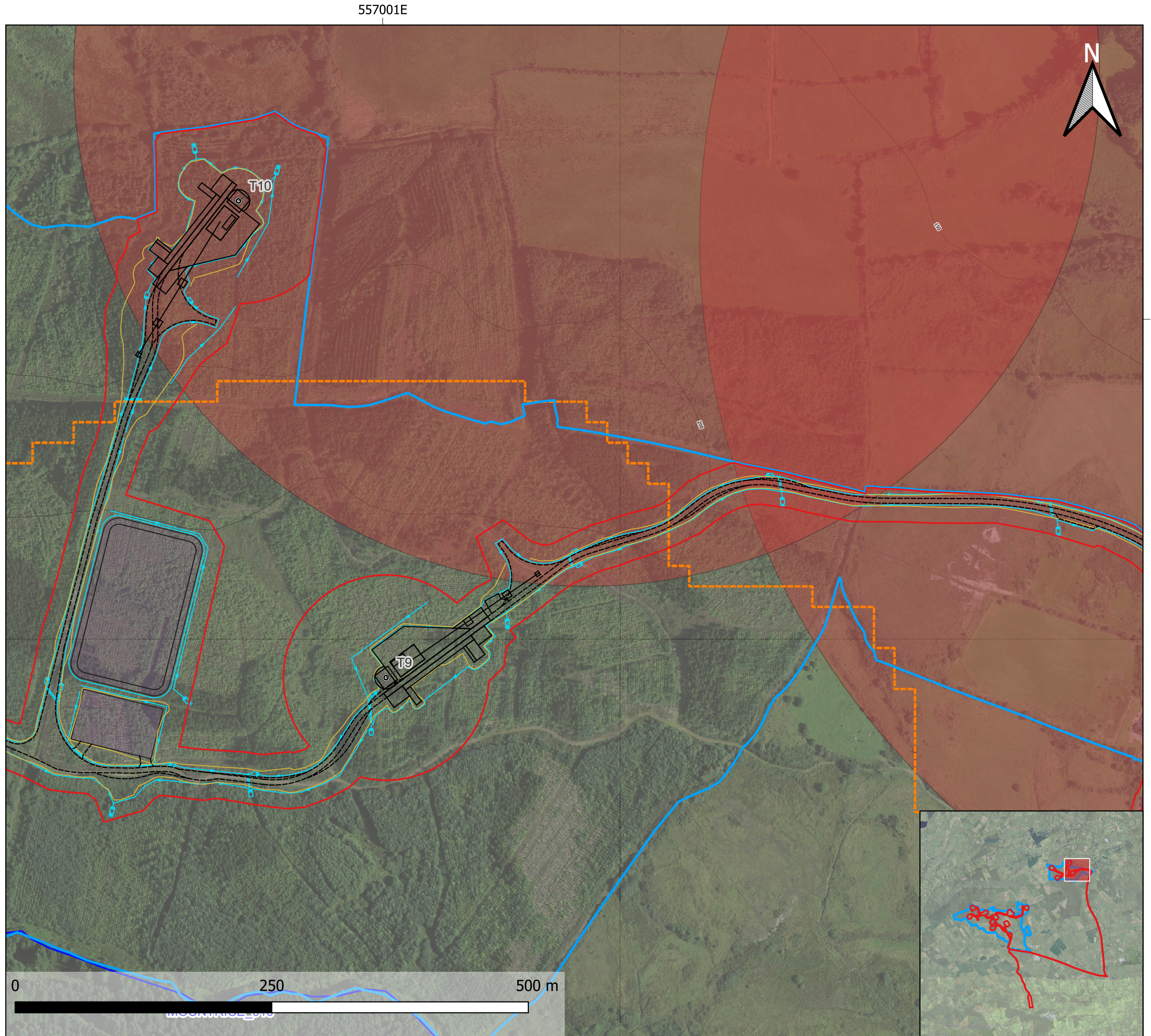
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Figure 9.2a - Wind Farm Hydrology - Tile 05 EDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrology
- 604569 WFD RiverWaterBodiesActive_Cycle3
 - 604569 Clipped WFD River Basin
- Hydrogeology
- Wells
- Wells_total
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Reviwed by	SK
Version	18/12/2023

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Figure 9.2b - GCR and IPP Hydrology

Legend

Project related data

Site Layout

Grid Connection

IPP Alternate

Site Layout

Constraints

Hydrology

Hydrogeology

Wells

Topography

Contours

Base Layers

ITM_National_High_Resolution_Imagery

Wells_total

Topography

Contours

Base Layers

ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

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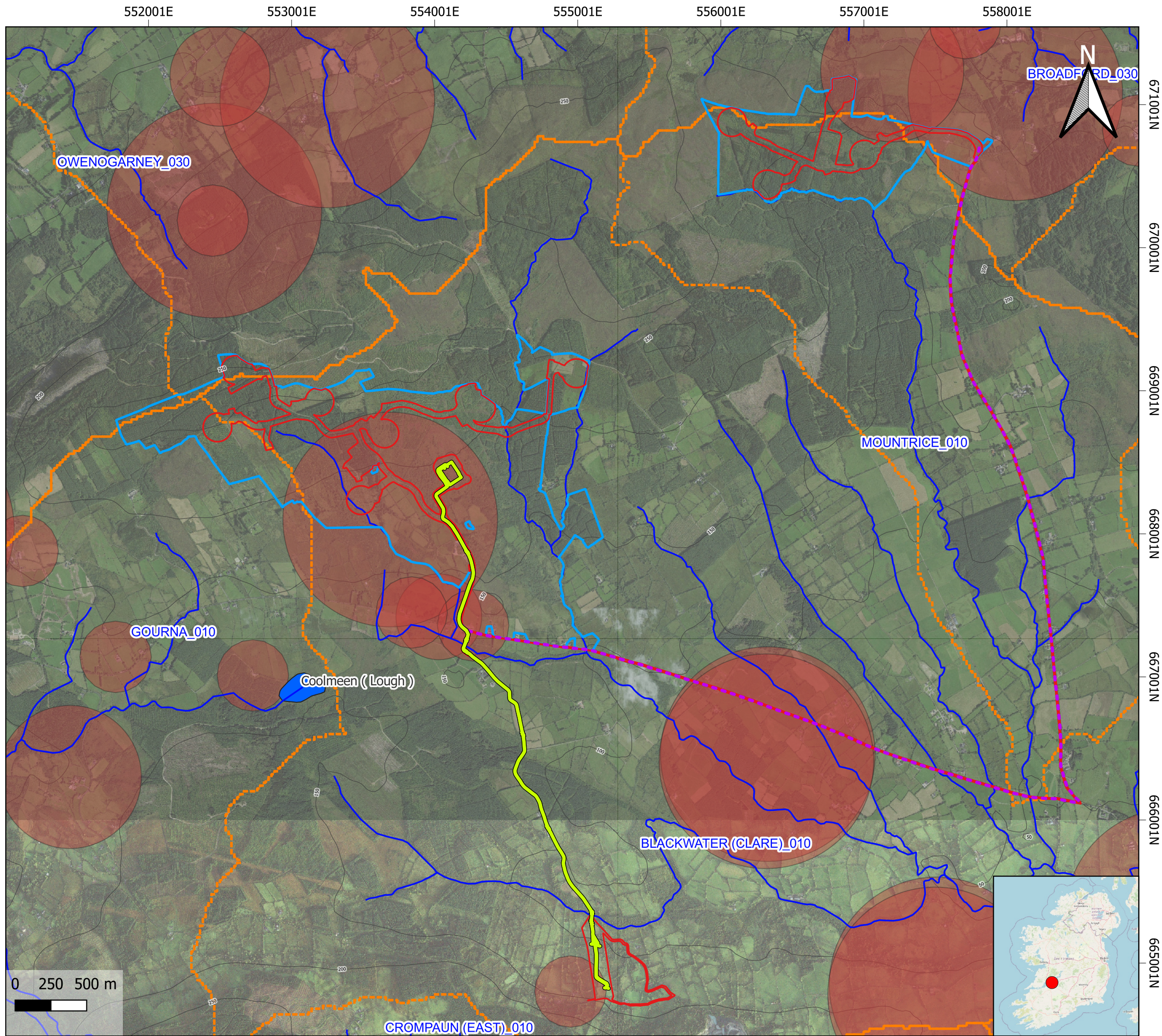




















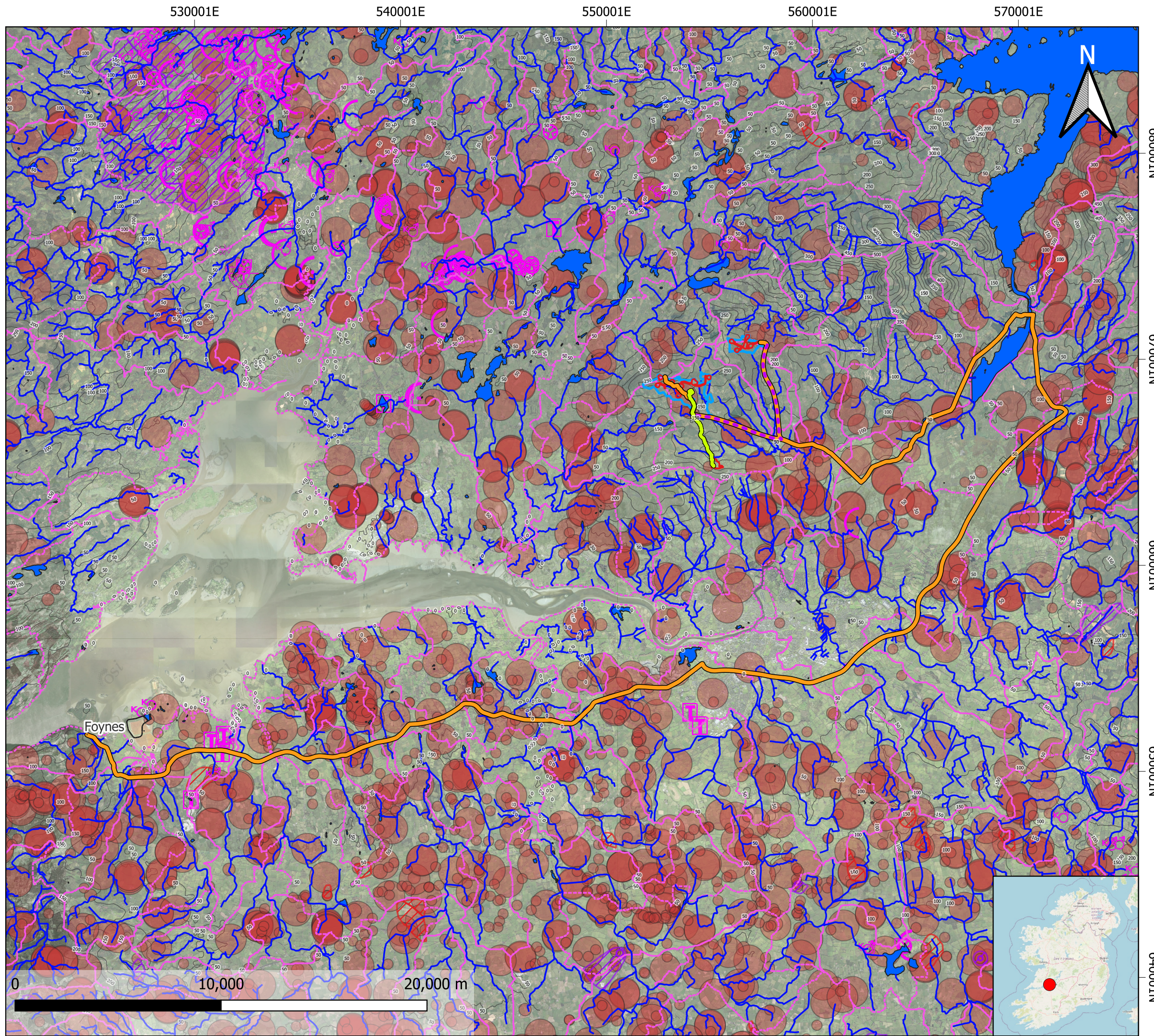


Figure 9.2c - Turbine Delivery Route Hydrology

- Legend**
- Project related data**
- Site Layout
- Grid Connection
-  GCR
 -  IPP Alternate
 -  IPP
- Turbine Delivery Route**
-  TDR Route
- Site Layout**
-  Red Line Boundary
 -  Blue Line Boundary
- Constraints**
- Hydrology**
-  604569 WFD RiverWaterBodiesActive_Cycle3
 -  WFD_LakeSegment
 -  604569 Clipped WFD River Basin
- Hydrogeology**
- KARST**
-  Borehole
 -  Cave
 -  Dry Valley
 -  Enclosed Depression
 -  Spring
 -  Swallow Hole
 -  Turlough
- Groundwater**
-  Zone of Contribution
 -  Source Protection Areas
- Wells**
-  Wells_total
- Topography**
- Contours**
-  50m Elevation Countours
- Base Layers**
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
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Version	18/12/2023

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**Figure 9.4a - WFD Status Wind Farm
- Tile 01 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - Metmast
 - grading
 - Drainage
- Constraints
- Hydrogeology
- Groundwater
- WFD_Status_20162021_GroundWaterBodies
- Good
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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Reviwed by	SK
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**Figure 9.4a - WFD Status Wind Farm
- Tile 02 WDA**

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- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
 - CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- WFD_Status_20162021_GroundWaterBodies
- Good
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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**Figure 9.4a - WFD Status Wind Farm
- Tile 03 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
- Constraints
- Hydrogeology
- Groundwater
- WFD_Status_20162021_GroundWaterBodies
- Good
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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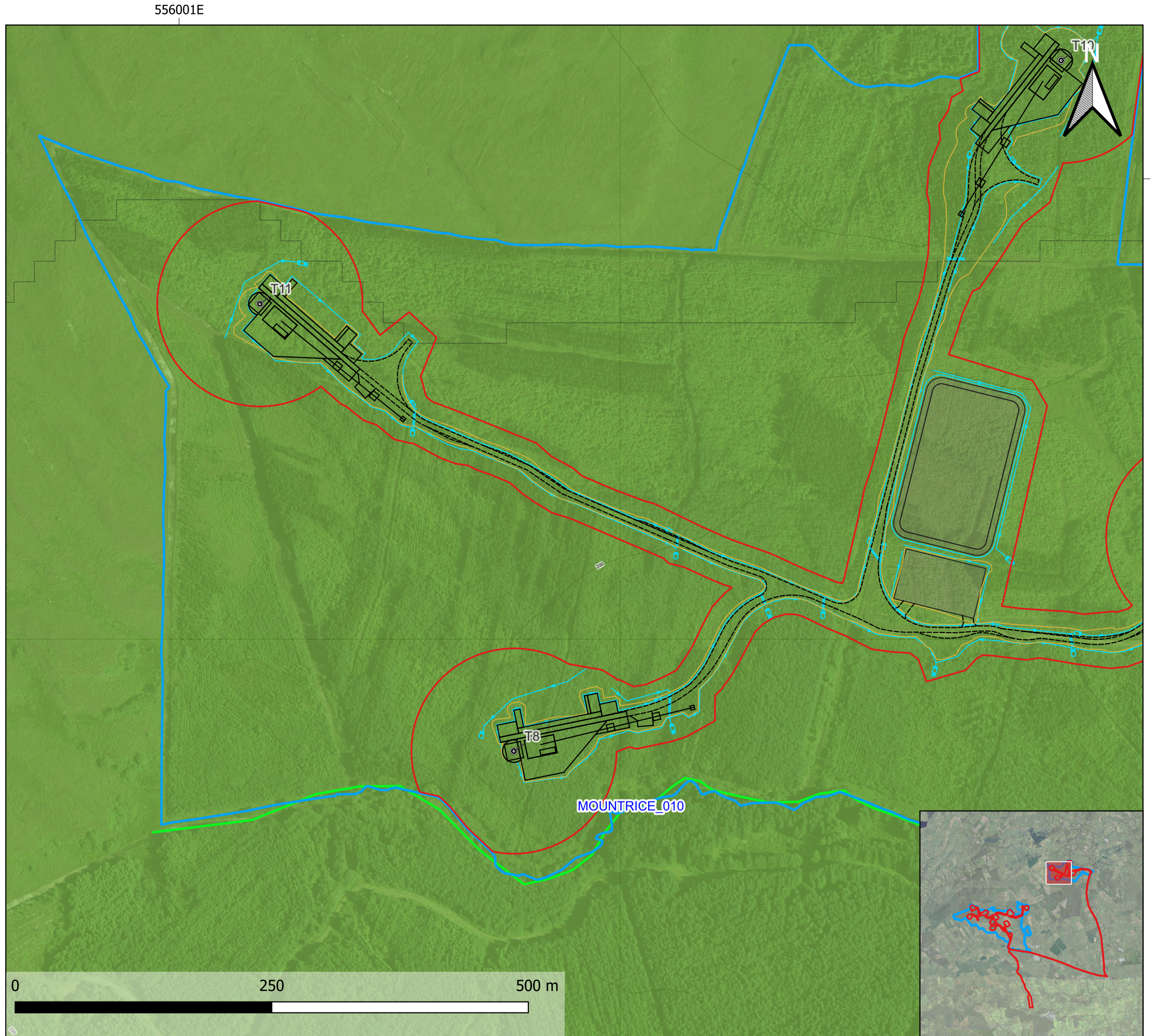
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**Figure 9.4a - WFD Status Wind Farm
- Tile 04 EDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- WFD_Status_20162021_GroundWaterBodies
- Good
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

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**Figure 9.4a - WFD Status Wind Farm
- Tile 05 EDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- WFD_Status_20162021_GroundWaterBodies
- Good
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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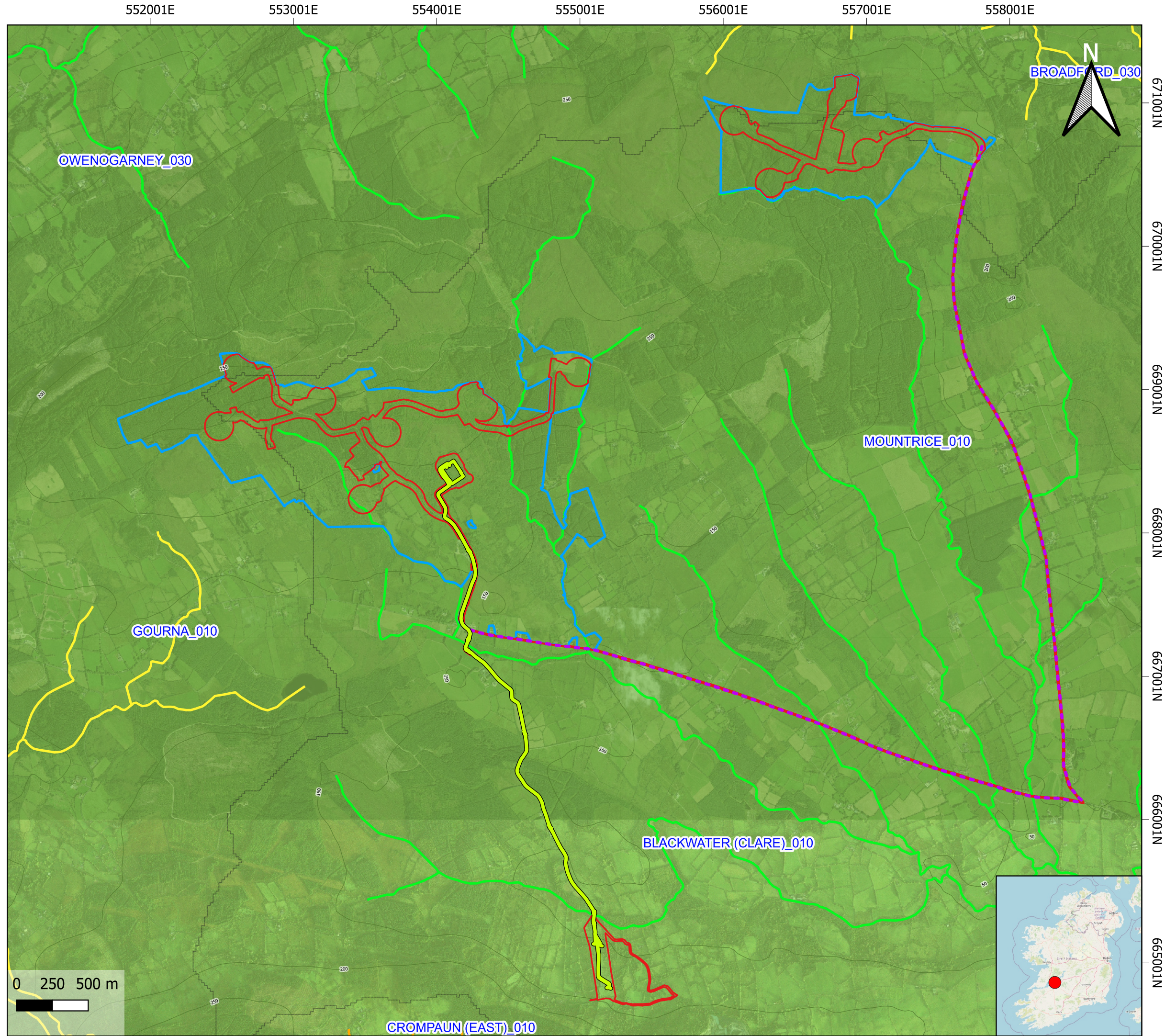
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Figure 9.4b - WFD Status GCR and IPP

- Legend
- Project related data
- Site Layout
- Grid Connection
- GCR
- IPP Alternate
- IPP
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Constraints
- Hydrology
- WFD_Status_202162021_RiverWaterbodiesActive
- Good
 - Moderate
 - Poor
- Hydrogeology
- Groundwater
- WFD_Status_20162021_GroundWaterBodies
- Good
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

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Figure 9.4c - WFD Status TDR

Legend

Project related data

Site Layout

Grid Connection

IPP Alternate

Turbine Delivery Route

Site Layout

Constraints

Hydrology

WFD_Status_20162021_LakeWaterbodiesActive

WFD_Status_202162021_RiverWaterbodiesActive

Hydrogeology

Groundwater

Topography

Contours

Base Layers

ITM_National_High_Resolution_Imagery

WFD_Status_20162021_LakeWaterbodiesActive

WFD_Status_202162021_RiverWaterbodiesActive

Hydrogeology

Groundwater

Topography

Contours

Base Layers

ITM_National_High_Resolution_Imagery

Contours

Base Layers

ITM_National_High_Resolution_Imagery

ITM_National_High_Resolution_Imagery

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ITM_National_High_Resolution_Imagery

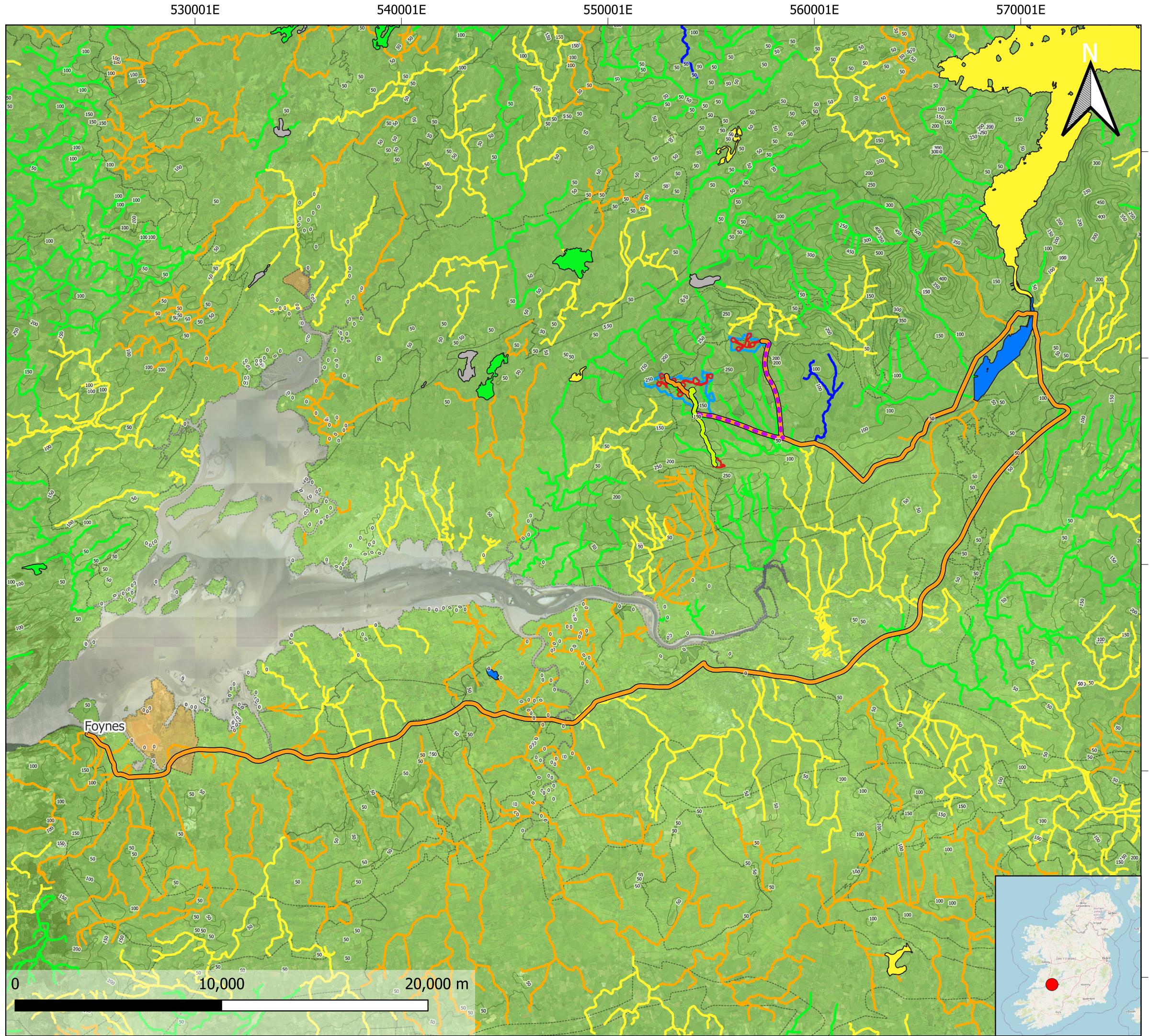
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ITM_National_High_Resolution_Imagery

ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

References/Sources:
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 Bing Aerial / GeoHive / Open Street Map / Google Roads
 Global Digital Elevation Model (GDEM)



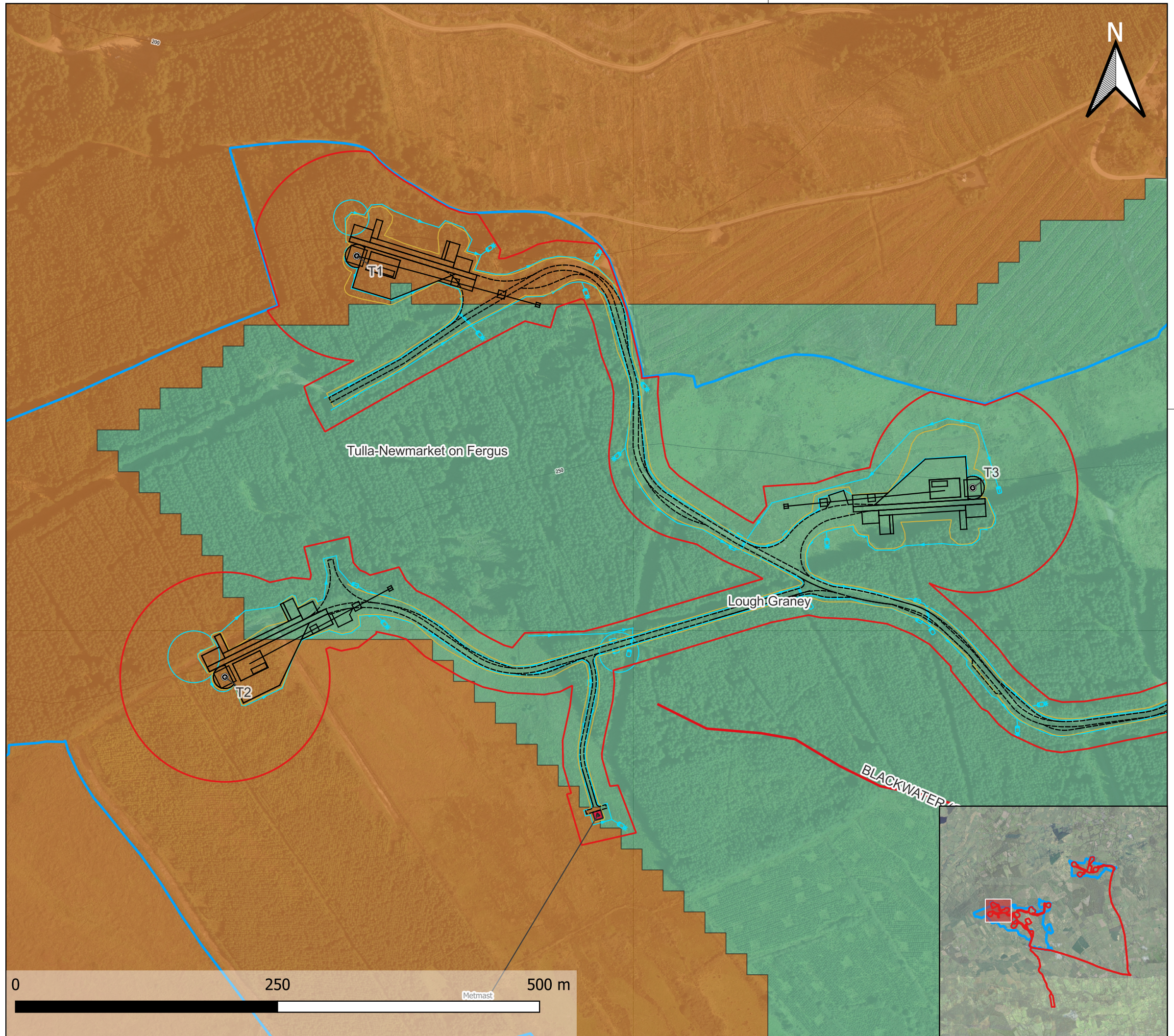
Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing / map is considered a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

**Figure 9.5a - WFD Risk Wind Farm
- Tile 01 WDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - Metmast
 - grading
 - Drainage
- Constraints
- Hydrology
- WFDRiverWaterbodies_Risk_Cycle3
- At risk
- Hydrogeology
- Groundwater
- WFDGroundwaterbodies_Risk_Cycle3
- Not at risk
 - Review
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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**Figure 9.5a - WFD Risk Wind Farm
- Tile 02 WDA**

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- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- - - Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
 - ▭ CC Stockpile
- Constraints
- Hydrology
- WFDRiverWaterbodies_Risk_Cycle3
- At risk
- Hydrogeology
- Groundwater
- WFDGroundwaterbodies_Risk_Cycle3
- Not at risk
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery



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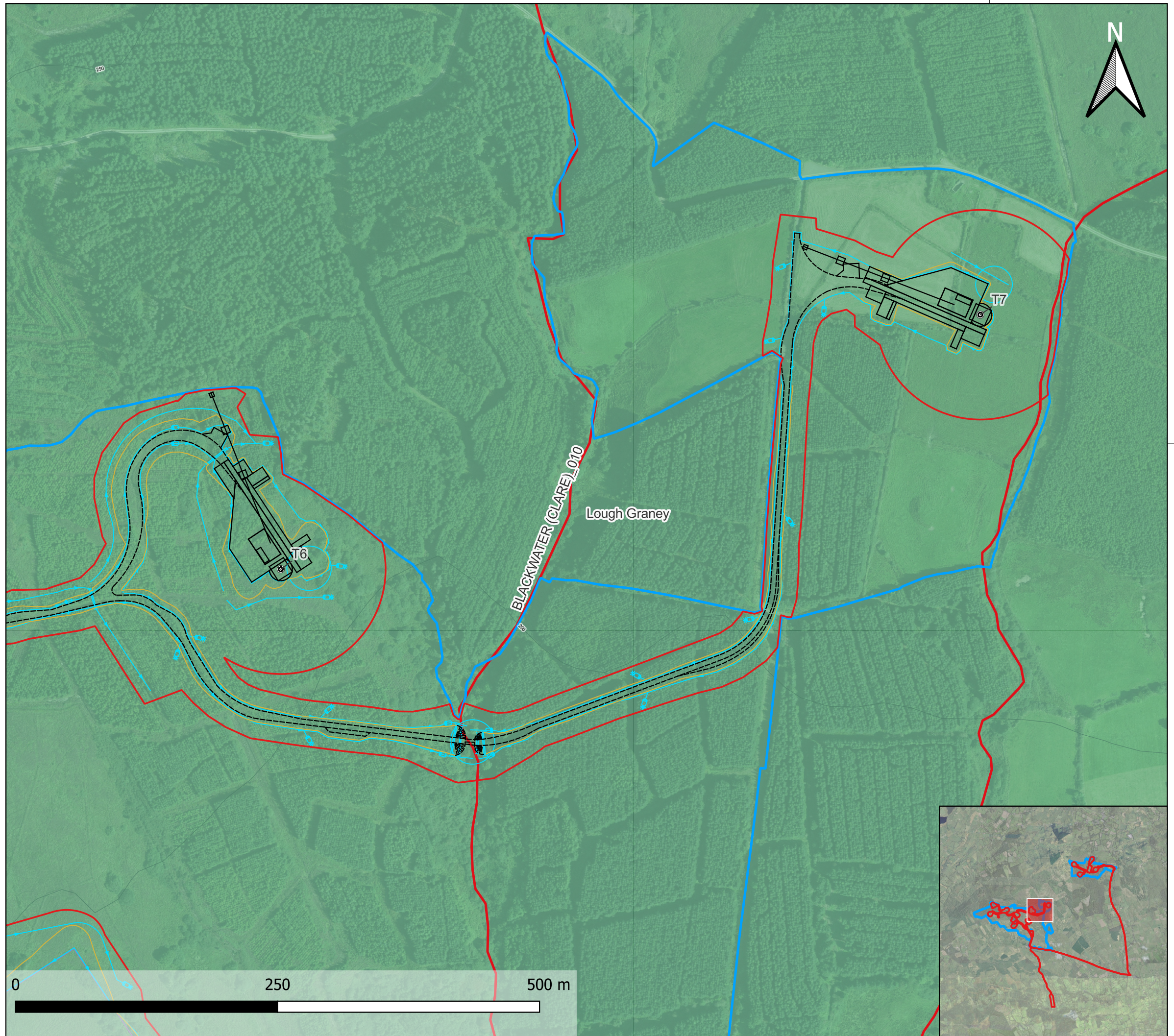
**Figure 9.5a - WFD Risk Wind Farm
- Tile 03 WDA**

555001E

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
- Constraints
- Hydrology
- WFDRiverWaterbodies_Risk_Cycle3
- At risk
- Hydrogeology
- Groundwater
- WFDGroundwaterbodies_Risk_Cycle3
- Not at risk
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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 Global Digital Elevation Model (GDEM)



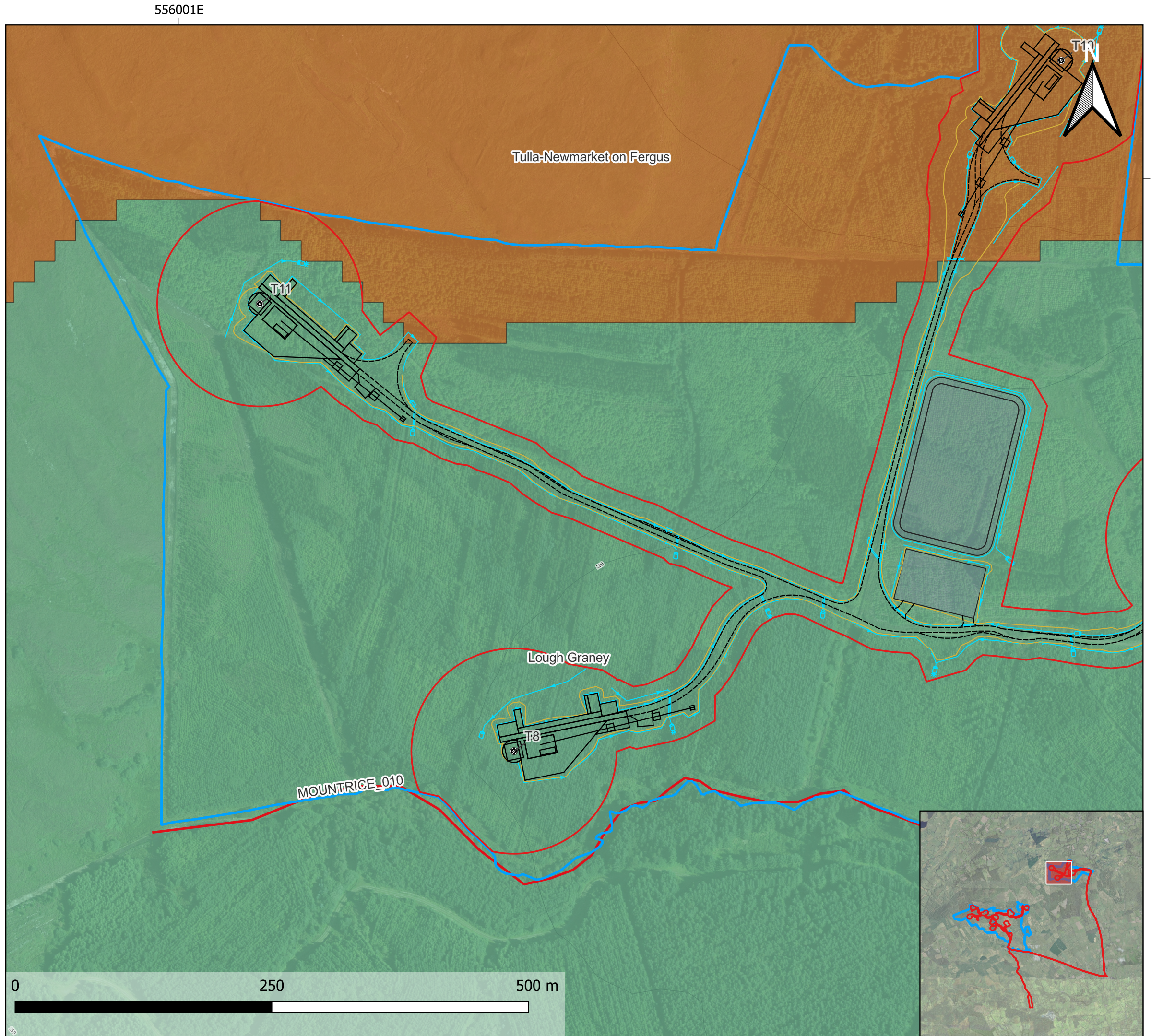
Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing / map is considered a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design puporses.

**Figure 9.5a - WFD Risk Wind Farm
- Tile 04 EDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrology
- WFDRiverWaterbodies_Risk_Cycle3
- At risk
- Hydrogeology
- Groundwater
- WFDGroundwaterbodies_Risk_Cycle3
- Not at risk
 - Review
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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 Global Digital Elevation Model (GDEM)



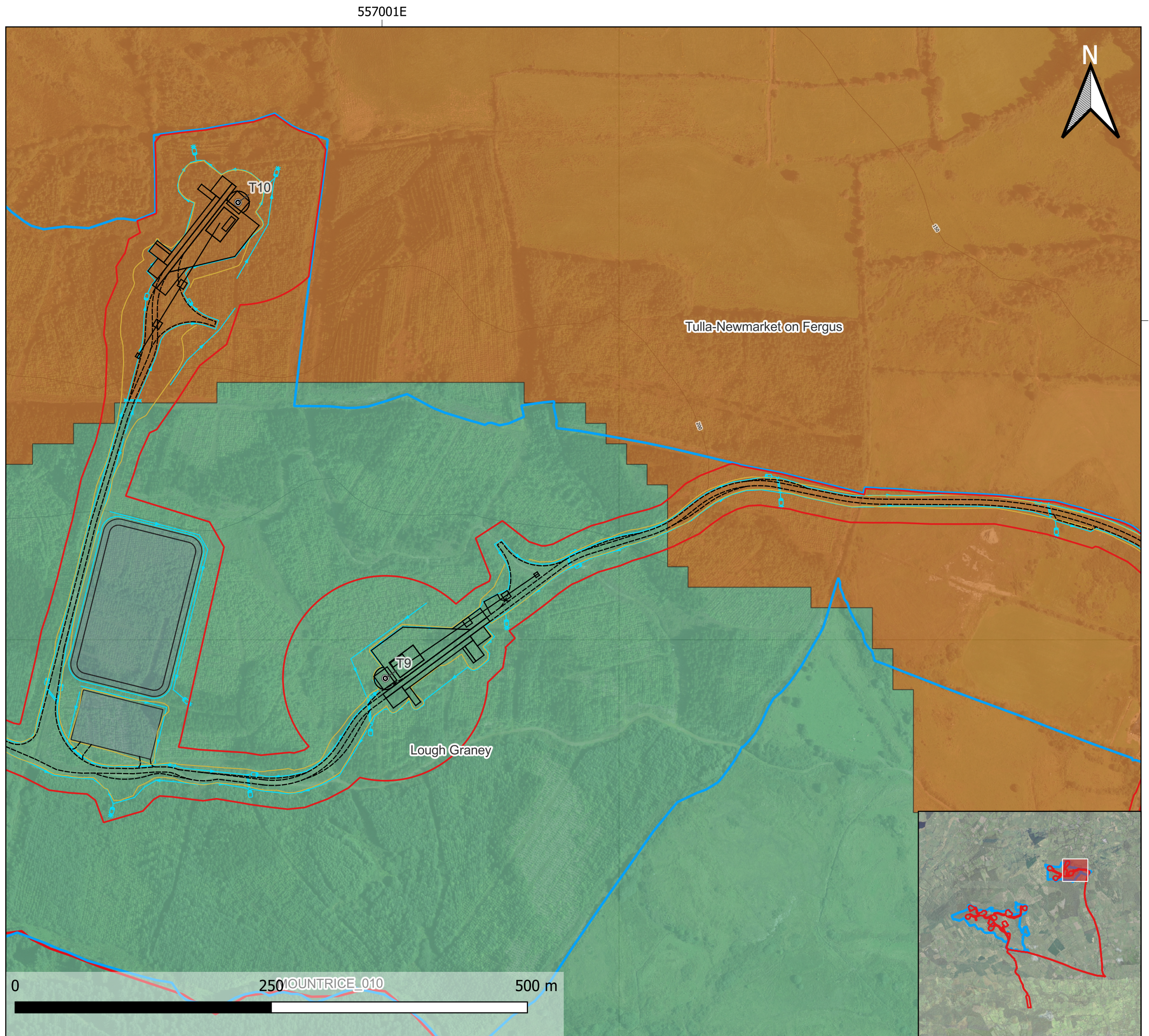
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**Figure 9.5a - WFD Risk Wind Farm
- Tile 05 EDA**

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrology
- WFDRiverWaterbodies_Risk_Cycle3
- At risk
- Hydrogeology
- Groundwater
- WFDGroundwaterbodies_Risk_Cycle3
- Not at risk
 - Review
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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References/Sources:
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 Global Digital Elevation Model (GDEM)



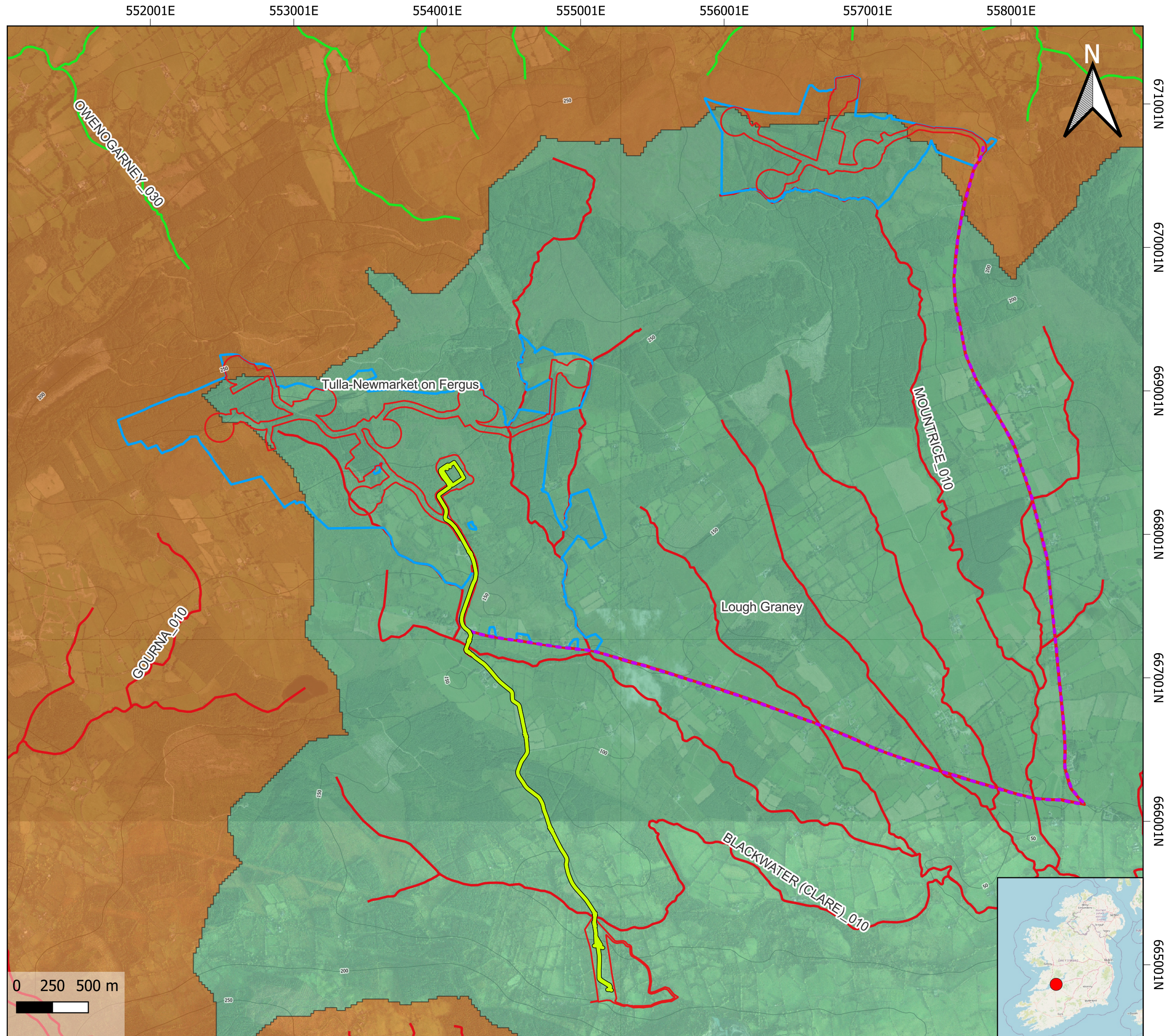
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Figure 9.5b - WFD Risk GCR and IPP

- Legend
- Project related data
- Site Layout
- Grid Connection
- GCR
- IPP Alternate
- IPP
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Constraints
- Hydrology
- WFDRiverWaterbodies_Risk_Cycle3
- At risk
 - Not at risk
- Hydrogeology
- Groundwater
- WFDGroundwaterbodies_Risk_Cycle3
- Not at risk
 - Review
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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Revised by	SK
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Figure 9.5c - WFD Risk TDR

Legend

Project related data

Site Layout

Grid Connection

IPP Alternate

Turbine Delivery Route

Site Layout

Constraints

Hydrology

WFDRiverWaterbodies_Risk_Cycle3

WFDLakeWaterbodies_Risk_Cycle3

Hydrogeology

Groundwater

Topography

Contours

Base Layers

ITM_National_High_Resolution_Imagery

At risk

Not at risk

Review

At risk

Not at risk

Review

At risk

Not at risk

Review

50m Elevation Countours

ITM_National_High_Resolution_Imagery

ITM_National_High_Resolution_Imagery

Project ID 604569

Project Name Oatfield Wind Farm, Co. Clare

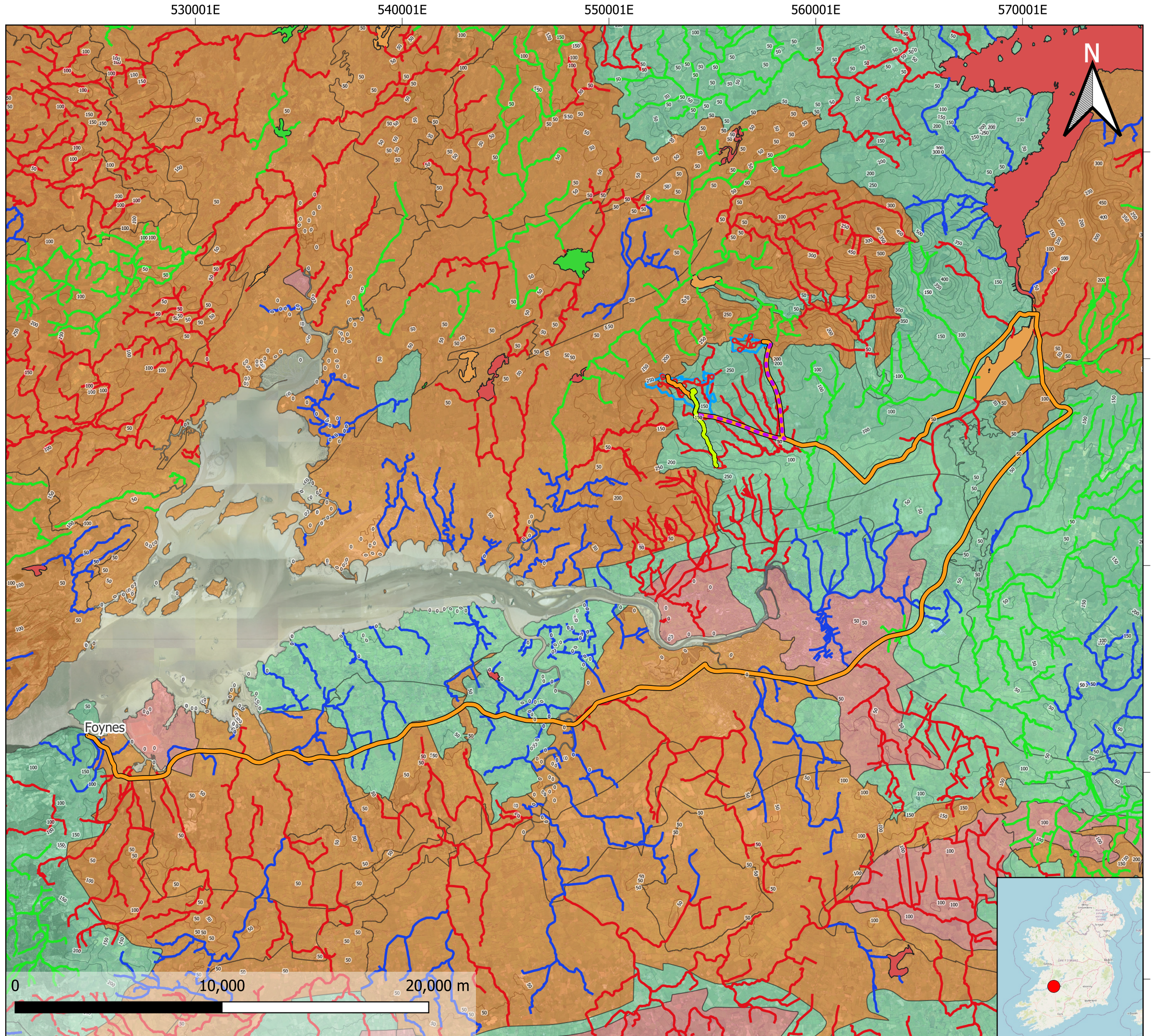
Projection ITM

Drawn by DW

Revised by SK

Version 18/12/2023

References/Sources:
 Environmental Protection Agency (EPA)
 Geological Services Ireland (GSI)
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Figure 9.6a - Surface Water & Drainage Survey - Wind Farm - Tile 01 WDA

Legend

Project related data

Hydrology on site

Water Course Crossing

◆ 604569_WCC

Unmapped Drainages

Non-Mapped & Historic Drainage

— Minor - Non-mapped Drainage Features (Observed)

— Historically Mapped SW Features (Confirmed)

— Non-mapped Drainage (Inferred)

— Historically Mapped SW Features (Gone / Not Observed) (Forestry)

▶ 604569_forest_drainage_flow_direction

Drainage Areas

■ Oversaturated zone

■ Forest Drainage

Site Layout

Site Layout

— Red Line Boundary

— Blue Line Boundary

Wind Farm

--- Access Tracks

— Turbine Hardstands

○ Turbine Locations

■ Metmast

— grading

— Drainage

Topography

Contours

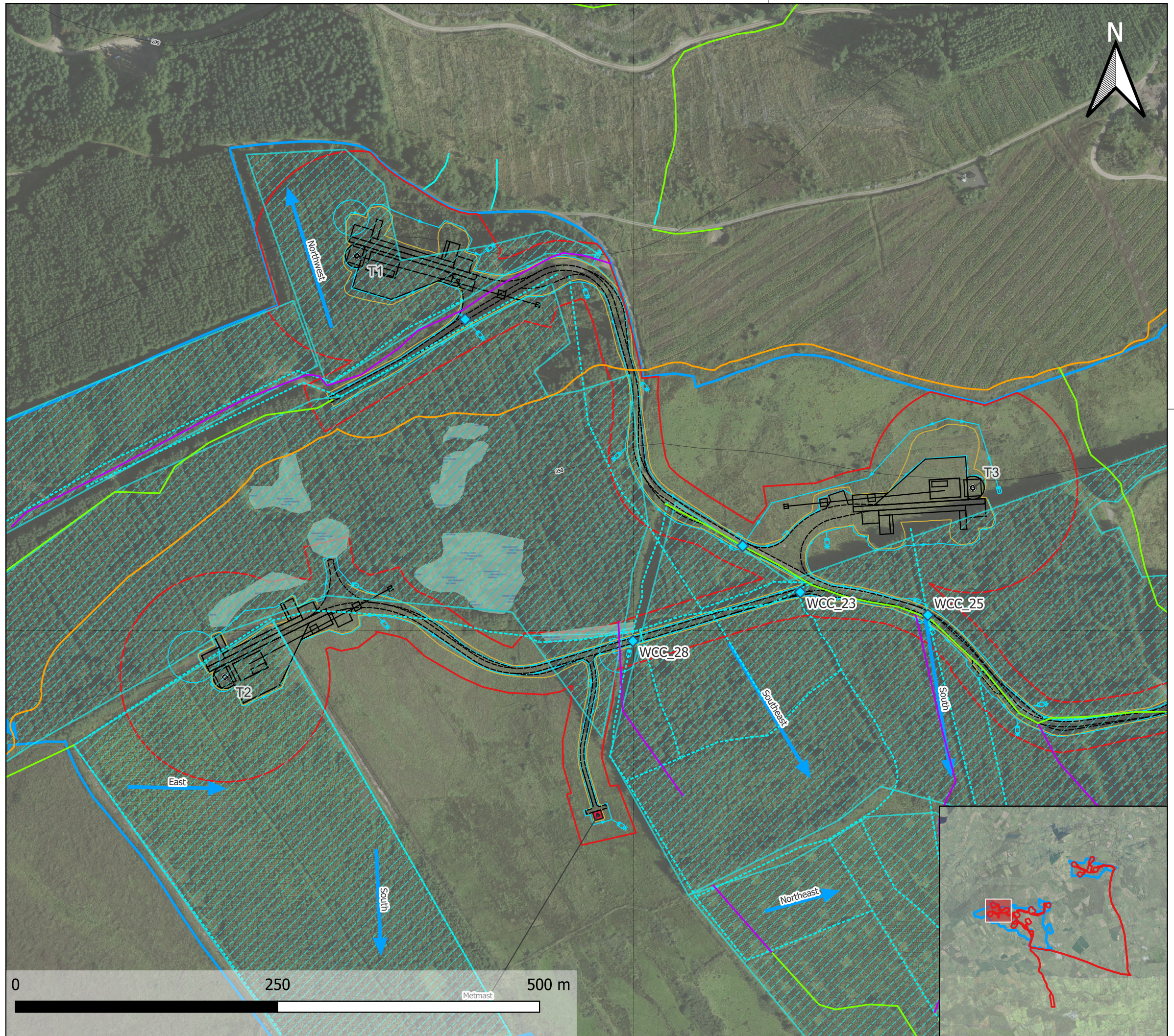
— 50m Elevation Countours

Base Layers

ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

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Figure 9.6a - Surface Water & Drainage Survey - Wind Farm - Tile 02 WDA

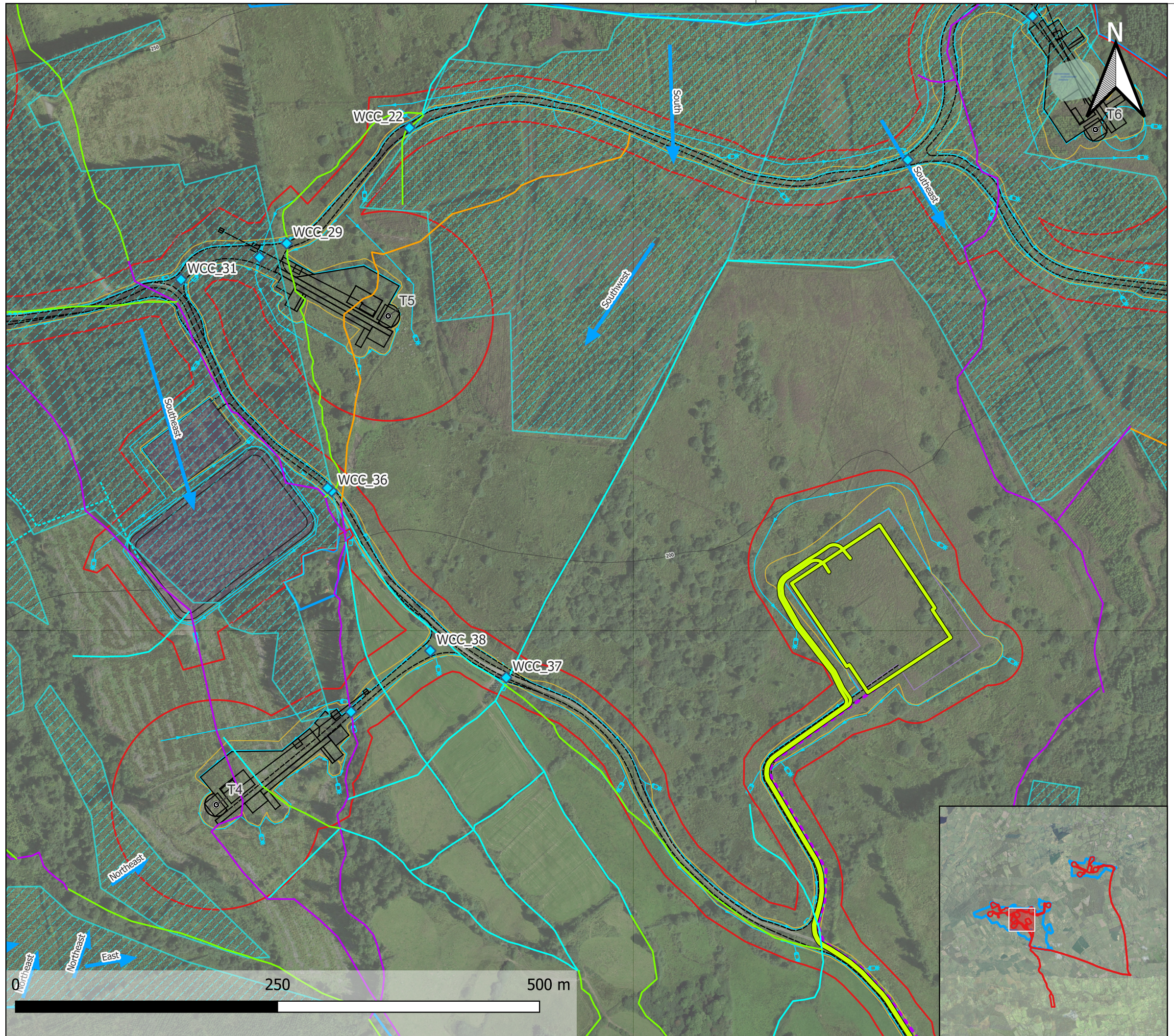
554001E

NT0069N

- Legend
- Project related data
- Hydrology on site
- Water Course Crossing
- ◆ 604569_WCC
- Unmapped Drainages
- Non-Mapped & Historic Drainage
- Minor - Non-mapped Drainage Features (Observed)
 - Historically Mapped SW Features (Confirmed)
 - Non-mapped Drainage (Inferred)
 - Historically Mapped SW Features (Gone / Not Observed) (Forestry)
- ▶ 604569_forest_drainage_flow_direction
- Drainage Areas
- Oversaturated zone
 - Forest Drainage
- Site Layout
- Grid Connection
- GCR
 - IPP
- IPP Alternate
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
 - CC Stockpile
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

References/Sources:
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 Geological Services Ireland (GSI)
 Bing Aerial / GeoHive / Open Street Map / Google Roads
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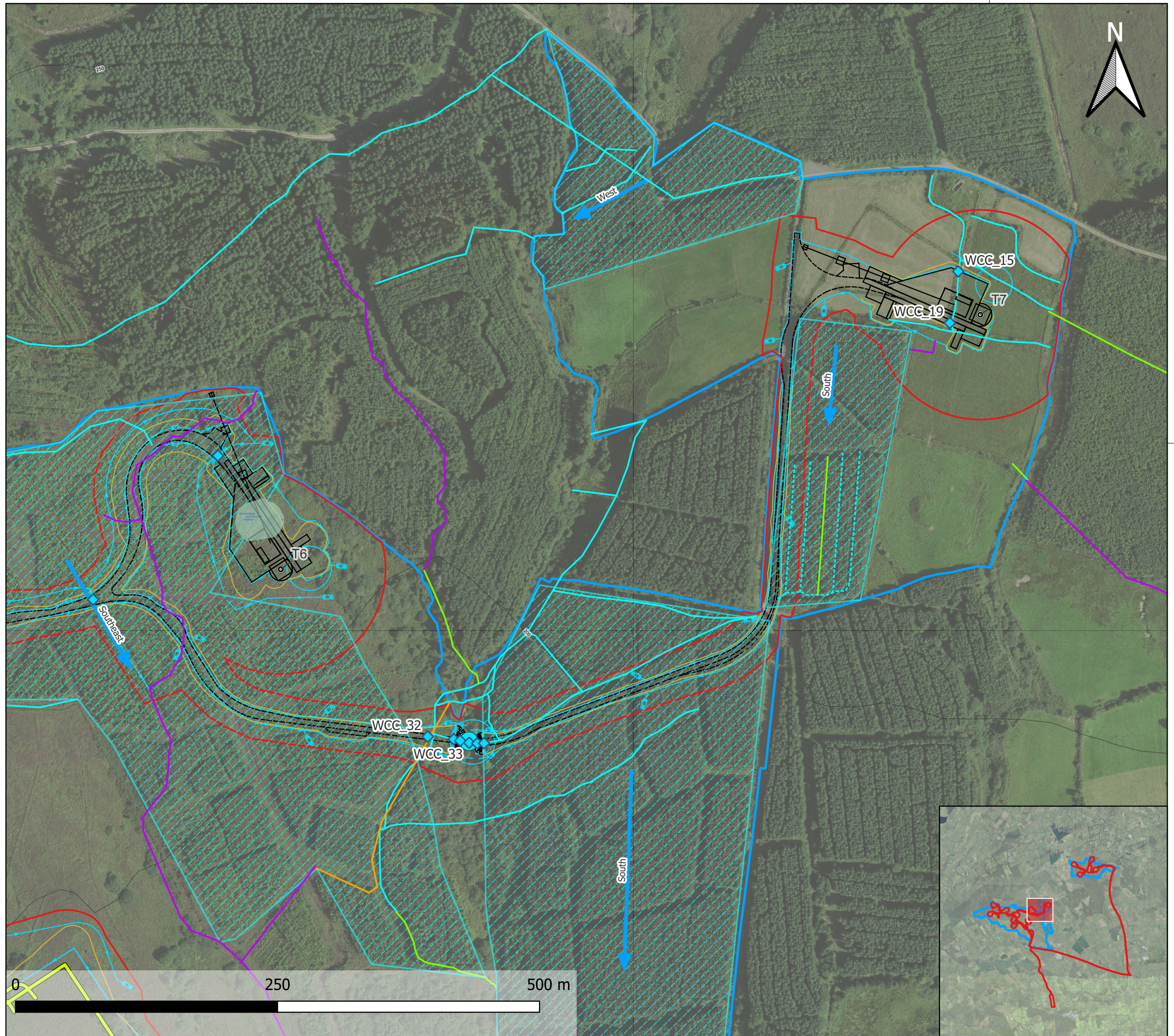
Figure 9.6a - Surface Water & Drainage Survey - Wind Farm - Tile 03 WDA

555001E

- Legend
- Project related data
- Hydrology on site
- Water Course Crossing
- ◆ 604569_WCC
 - 604569 SW sampling points
- Unmapped Drainages
- Non-Mapped & Historic Drainage
- Minor - Non-mapped Drainage Features (Observed)
 - Historically Mapped SW Features (Confirmed)
 - Non-mapped Drainage (Inferred)
 - Historically Mapped SW Features (Gone / Not Observed) (Forestry)
- ▶ 604569_forest_drainage_flow_direction
- Drainage Areas
- Oversaturated zone
 - Forest Drainage
- Site Layout
- Grid Connection
- GCR
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
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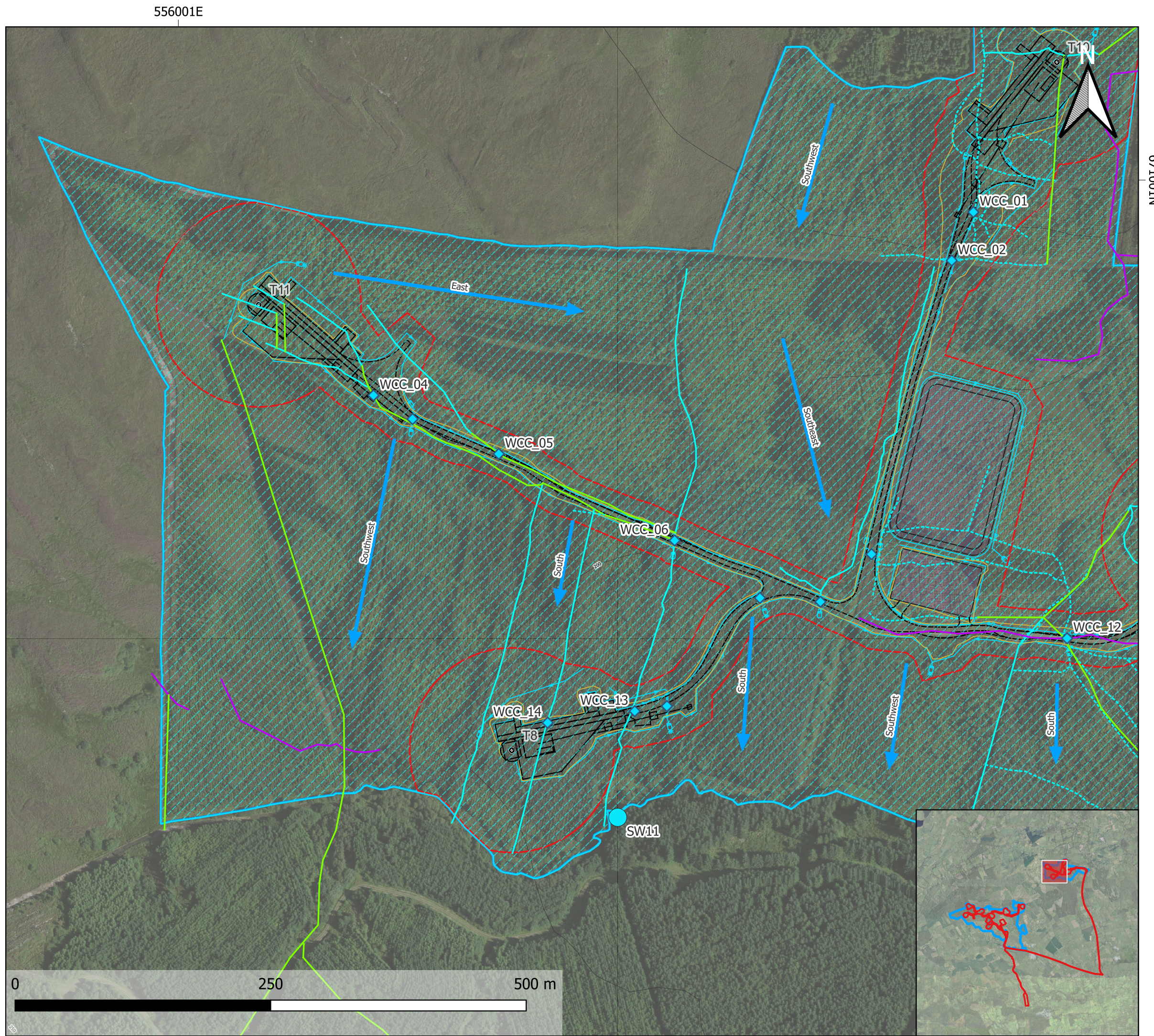
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Figure 9.6a - Surface Water & Drainage Survey - Wind Farm - Tile 04 EDA

- Legend
- Project related data
- Hydrology on site
- Water Course Crossing
- ◆ 604569_WCC
 - 604569 SW sampling points
- Unmapped Drainages
- Non-Mapped & Historic Drainage
- Minor - Non-mapped Drainage Features (Observed)
 - Historically Mapped SW Features (Confirmed)
 - Non-mapped Drainage (Inferred)
 - (Forestry)
- ▶ 604569_forest_drainage_flow_direction
- Drainage Areas
- ▨ Forest Drainage
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - ▭ CC Stockpile
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

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 Global Digital Elevation Model (GDEM)



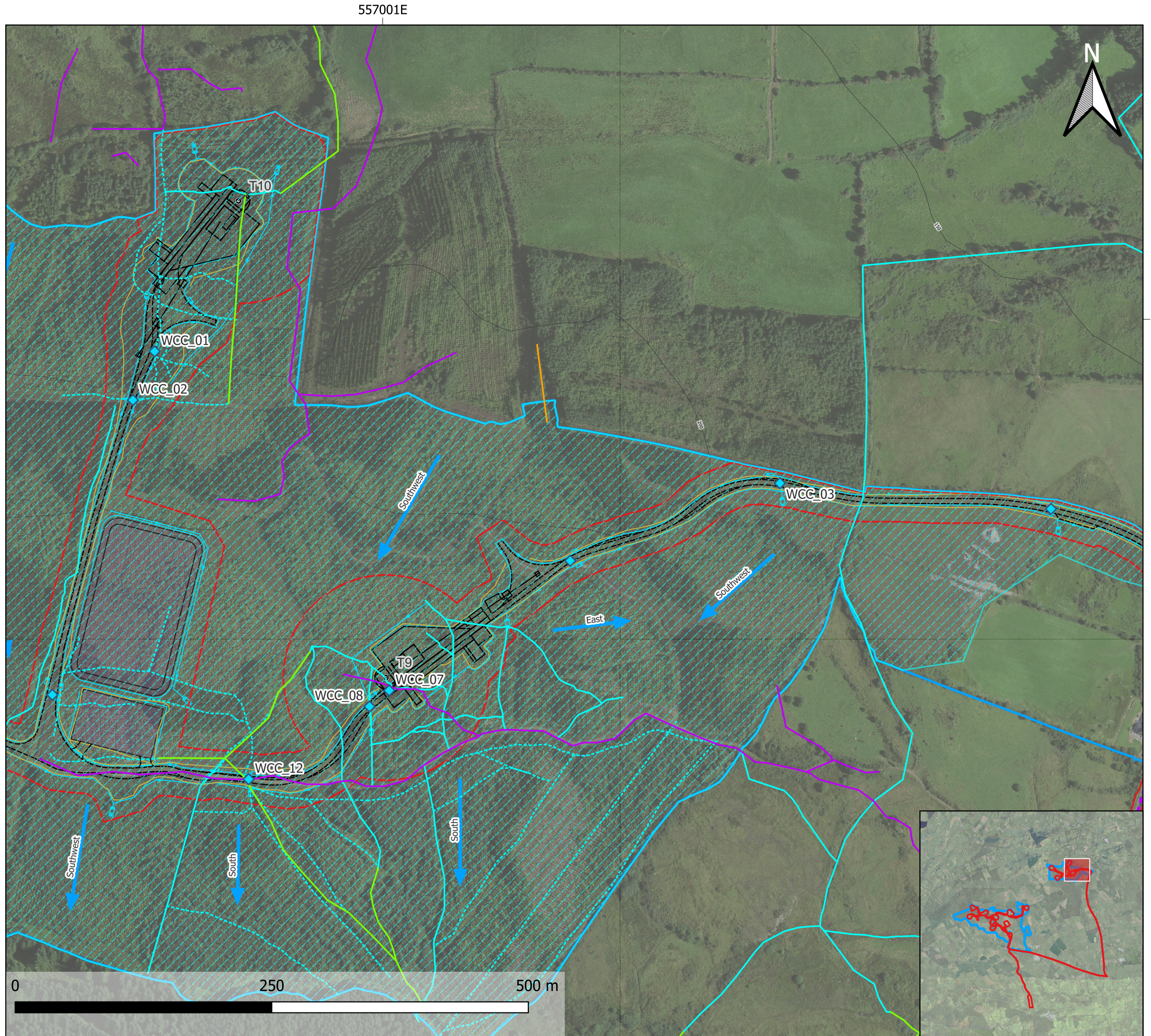
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Figure 9.6a - Surface Water & Drainage Survey - Wind Farm - Tile 05 EDA

- Legend
- Project related data
- Hydrology on site
- Water Course Crossing
- ◆ 604569_WCC
- Unmapped Drainages
- Non-Mapped & Historic Drainage
- Minor - Non-mapped Drainage Features (Observed)
 - Historically Mapped SW Features (Confirmed)
 - Non-mapped Drainage (Inferred)
 - Historically Mapped SW Features (Gone / Not Observed) (Forestry)
- ▶ 604569_forest_drainage_flow_direction
- Drainage Areas
- ▨ Forest Drainage
- Site Layout
- IPP Alternate
- IPP
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - ▭ CC Stockpile
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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Revised by	SK
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 Global Digital Elevation Model (GDEM)



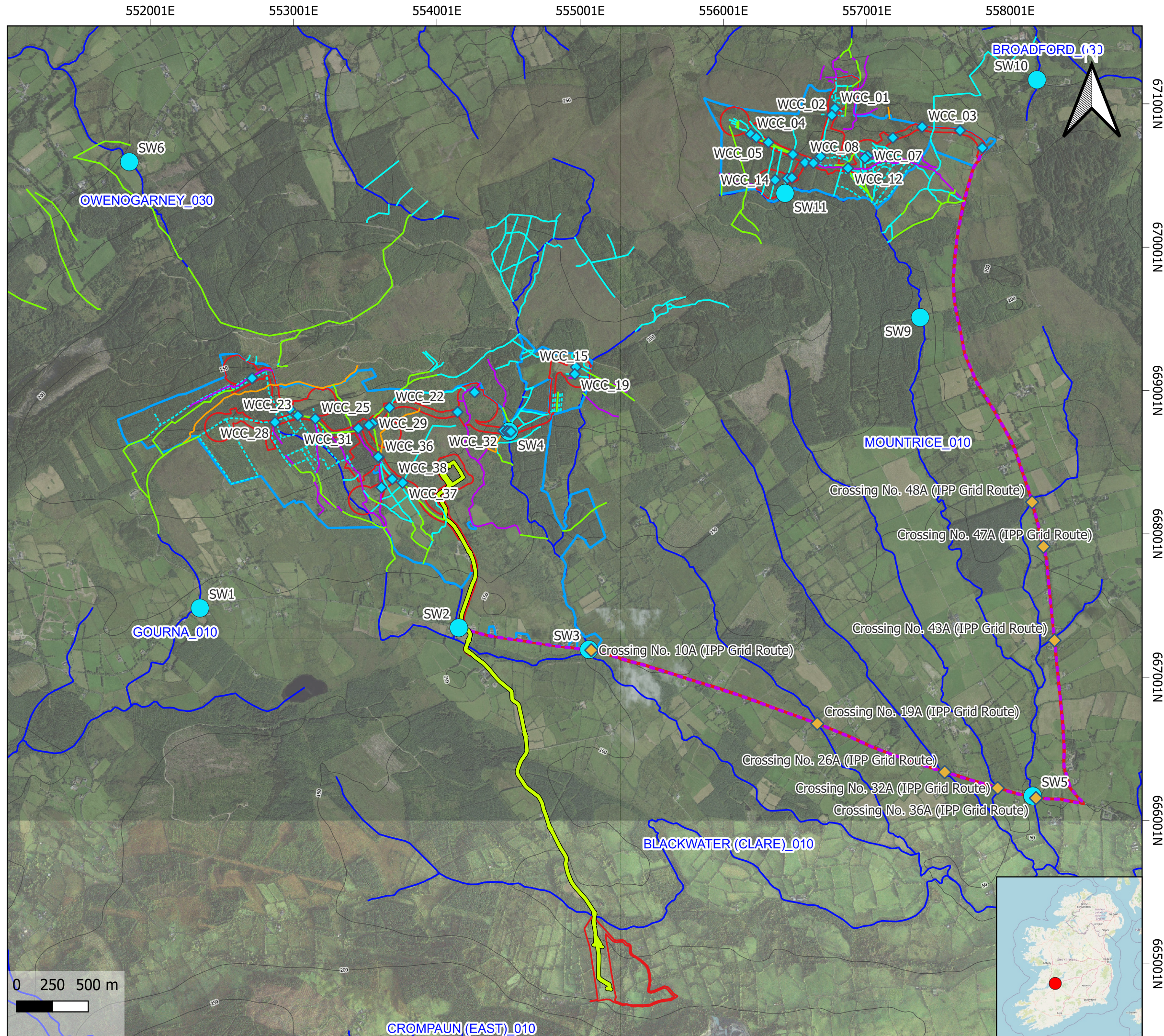
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Figure 9.6b - Surface Water Survey GCR and IPP

- Legend
- Project related data
- Hydrology on site
- Water Course Crossing
- 604569_Crossing_fromreport_20231108
- Watercourse
 - 604569_WCC
 - 604569 SW sampling points
- Unmapped Drainages
- Non-Mapped & Historic Drainage
- Minor - Non-mapped Drainage Features (Observed)
 - Historically Mapped SW Features (Confirmed)
 - Non-mapped Drainage (Inferred)
 - Historically Mapped SW Features (Gone / Not Observed)
 - (Forestry)
- Site Layout
- Grid Connection
- GCR
 - IPP
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Constraints
- Hydrology
- 604569 WFD RiverWaterBodiesActive_Cycle3 [451]
- Topography
- Contours
- 50m Elevation Countours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
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References/Sources:
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 Global Digital Elevation Model (GDEM)



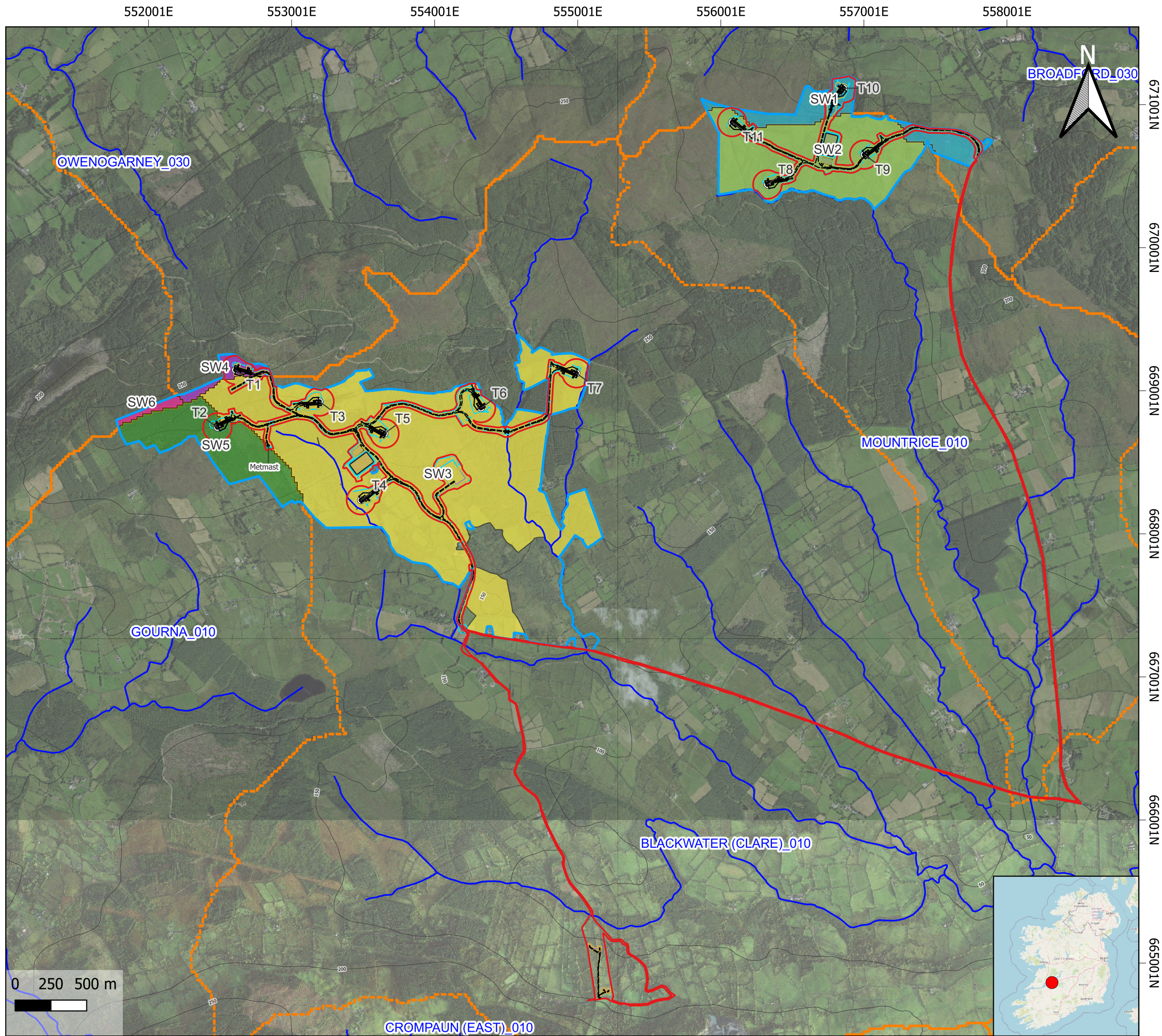
Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing / map is considered a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Figure 9.7 - Microcatchment Wind Farm Overview

- Legend**
- Project related data**
- Site Layout**
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm**
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - Metmast
 - grading
 - Drainage
 - Onsite SS
 - OHL Mast Hardstands
 - CC Stockpile
- Constraints**
- Hydrology**
- 604569 WFD RiverWaterBodiesActive_Cycle3 [451]
 - 604569_microcatchments_20231107
 - BLACKWATER (CLARE)_010
 - BROADFORD_030
 - GOURNA_010
 - MOUNTRICE_010
 - OWENOGARNEY_030
 - OWENOGARNEY_040
 - WFD_RiverSubBasins_Cycle3
- Topography**
- Contours**
- 50m Elevation Countours
- Base Layers**
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
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Figure 9.8a - Bedrock Aquifer Wind Farm - Tile 01 WDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - Metmast
 - grading
 - Drainage
- Constraints
- Hydrogeology
- Groundwater
- IE_GSI_Bedrock_Aquifers_100K_IE32_ITM
- LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
 - PI - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
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Figure 9.8a - Bedrock Aquifer Wind Farm - Tile 02 WDA

- Legend**
- Project related data**
- Site Layout**
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm**
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
 - CC Stockpile
- Constraints**
- Hydrogeology**
- Groundwater**
- IE_GSI_Bedrock_Aquifers_100K_IE32_ITM**
- LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
 - PI - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
- Topography**
- Contours**
- 10m Elevation Contours
- Base Layers**
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
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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)



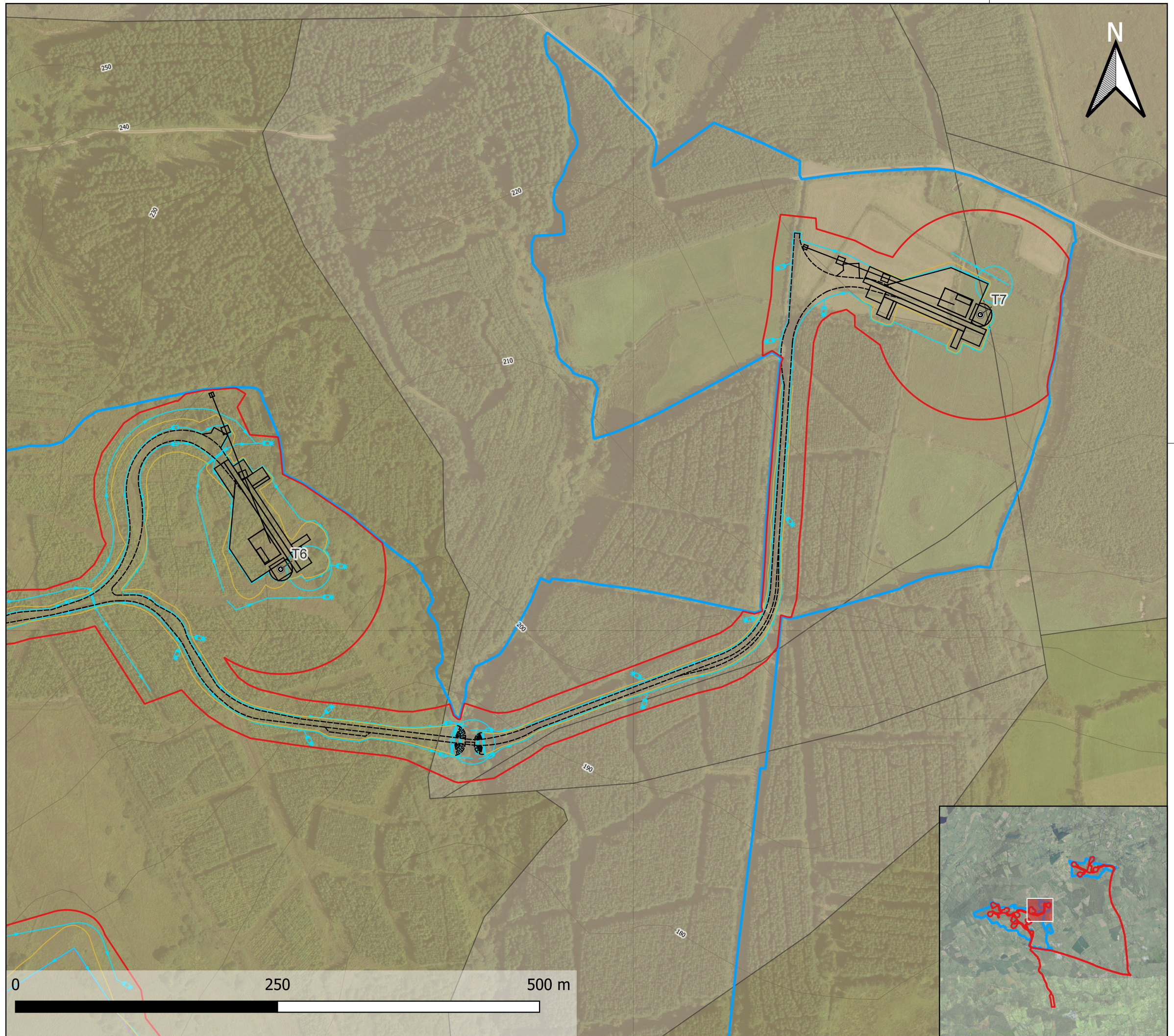
Note: Data points presented are georeferenced using open source data and/or a handheld GPS. This drawing / map is considered a conceptual model with reasonable accuracy for the purposes of environmental assessment. This drawing should not be relied upon for detailed design purposes.

Figure 9.8a - Bedrock Aquifer Wind Farm - Tile 03 WDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - Onsite SS
- Constraints
- Hydrogeology
- Groundwater
- IE_GSI_Bedrock_Aquifers_100K_IE32_ITM
- LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
 - PI - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

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



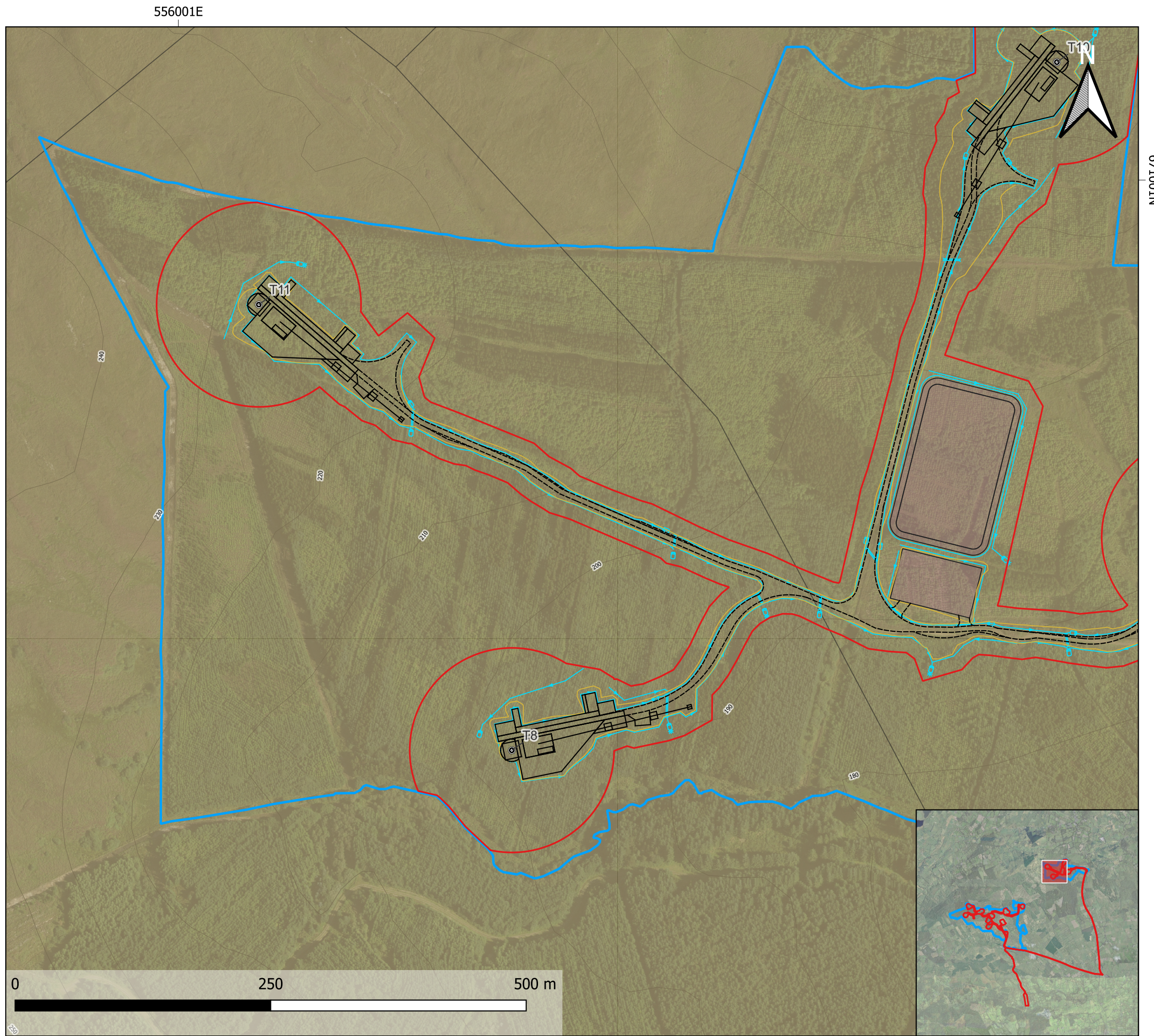
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Figure 9.8a - Bedrock Aquifer Wind Farm - Tile 04 EDA

- Legend
- Project related data
- Site Layout
- Site Layout
- Red Line Boundary
 - Blue Line Boundary
- Wind Farm
- Access Tracks
 - Turbine Hardstands
 - Turbine Locations
 - grading
 - Drainage
 - CC Stockpile
- Constraints
- Hydrogeology
- Groundwater
- IE_GSI_Bedrock_Aquifers_100K_IE32_ITM
- LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
- Topography
- Contours
- 10m Elevation Contours
- Base Layers
- ITM_National_High_Resolution_Imagery

Project ID	604569
Project Name	Oatfield Wind Farm, Co. Clare
Projection	ITM
Drawn by	DW
Revised by	SK
Version	18/12/2023

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



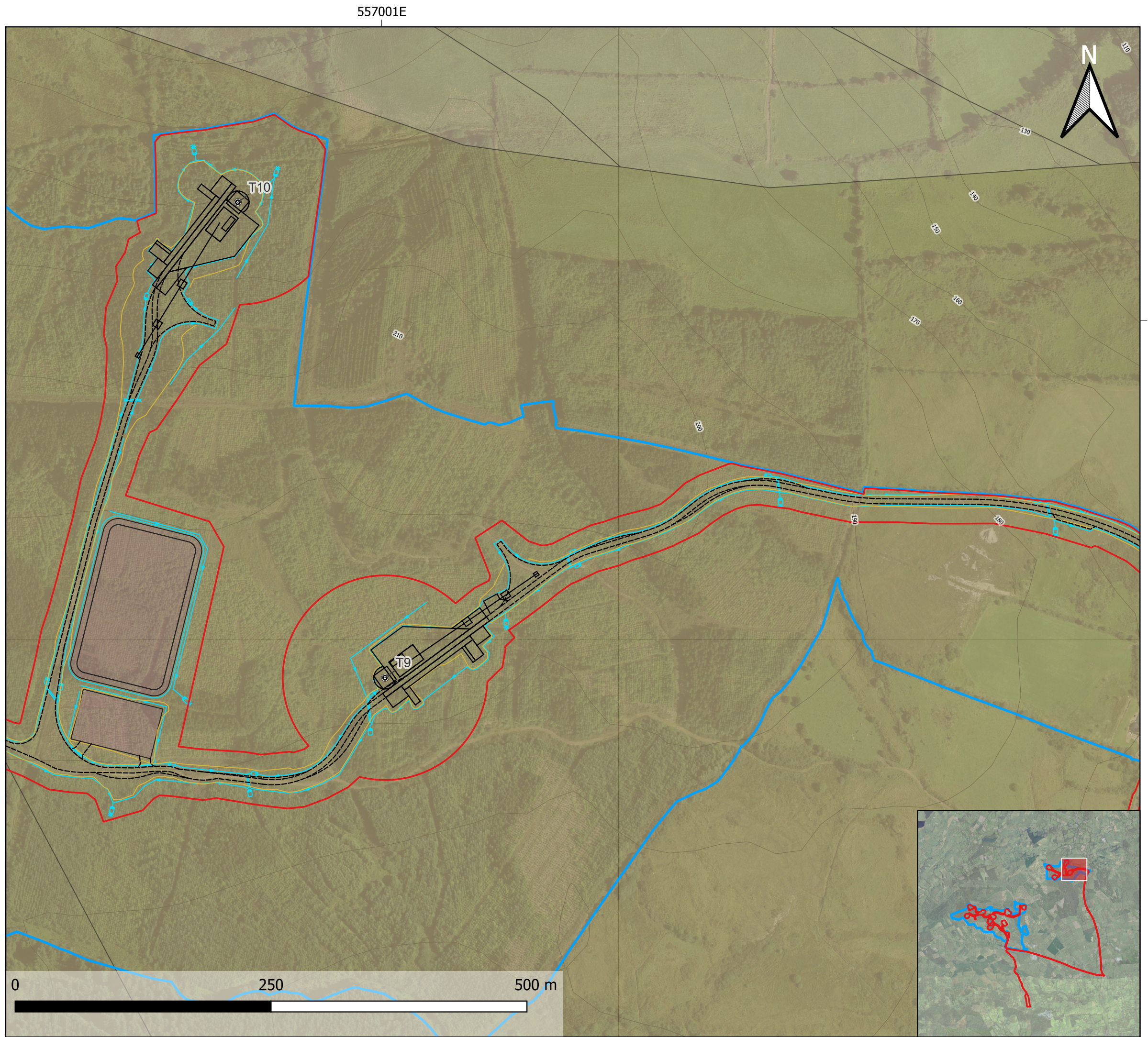
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Figure 9.8a - Bedrock Aquifer Wind Farm - Tile 05 EDA

- Legend**
- Project related data**
- Site Layout**
- Red Line Boundary
Blue Line Boundary
- Wind Farm**
- Access Tracks
— Turbine Hardstands
○ Turbine Locations
— grading
— Drainage
□ CC Stockpile
- Constraints**
- Hydrogeology**
- Groundwater**
- IE_GSI_Bedrock_Aquifers_100K_IE32_ITM
- LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
PI - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
- Topography**
- Contours**
- 10m Elevation Contours
- Base Layers**
- ITM_National_High_Resolution_Imagery

Project ID	604569
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Figure 9.8b - Bedrock Aquifer GCR and IPP

Legend

Project related data

Site Layout

Grid Connection

IPP Alternate

Site Layout

Constraints

Hydrogeology

Groundwater

IE_GSI_Bedrock_Aquifers_100K_IE32_ITM

Topography

Contours

Base Layers

- LJ - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
- PI - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones

Contours

Base Layers

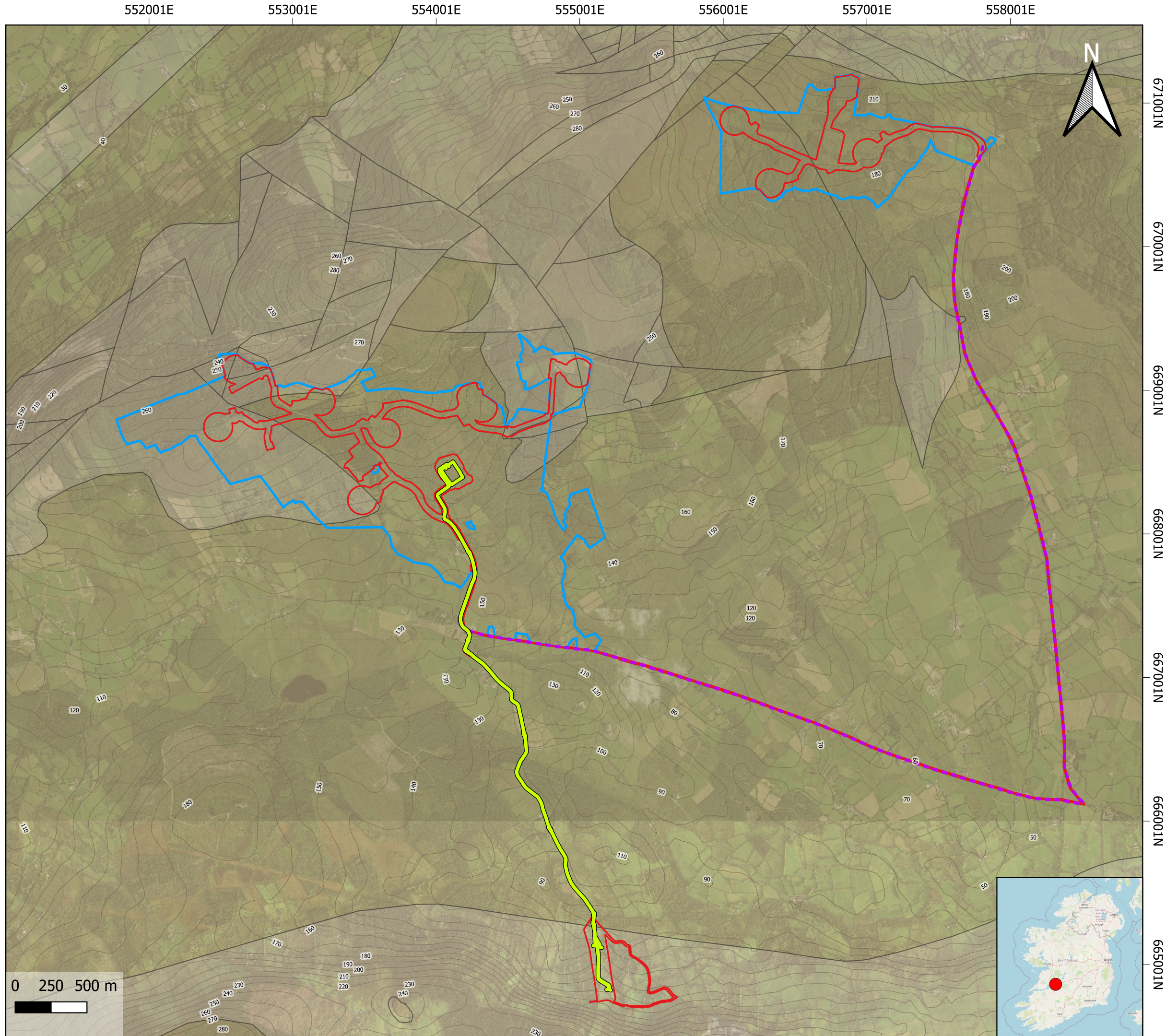
ITM_National_High_Resolution_Imagery

— 10m Elevation Contours

ITM_National_High_Resolution_Imagery

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