

**LEGEND**

- Site Boundary
- Watercourse
- Lake

**Subcatchment**

- Bilboa (SC\_010)
- Dead (SC\_010)
- Kileengarrif (SC\_010)
- Mulkear (SC\_010)
- Mulkear (SC\_020)
- Multyen East (SC\_010)
- Newport Tipperary (SC\_010)
- Suir (SC\_030)
- Suir (SC\_060)

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**sse Renewables**

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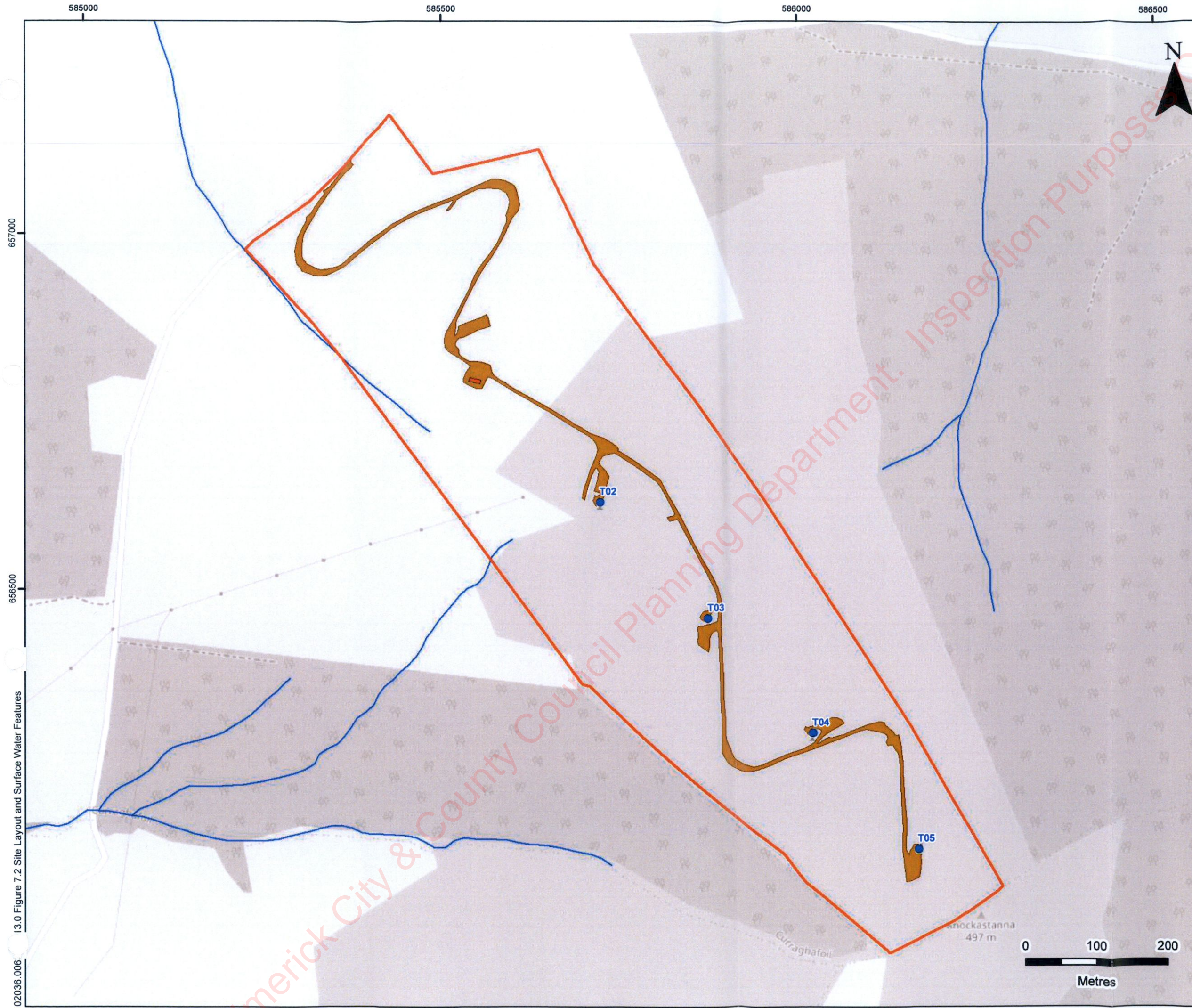
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IRELAND  
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**KNOCKASTANNA  
GEOLOGY AND HYDROLOGY  
SITE LOCATION  
WITH WATER FEATURES  
FIGURE 7.1**

Scale 1:50,000 @ A3 Date NOVEMBER 2021

12.0 Figure 7.1 Site Location and Surface Water Features





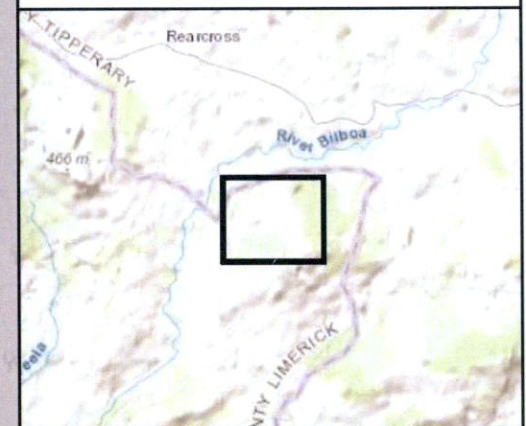
**LEGEND**

- Site Boundary
- Turbine Location
- Access Track, Turning Areas and Hardstanding
- Substation
- Watercourse

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Planning and Development Department



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**GEOLOGY AND HYDROLOGY**

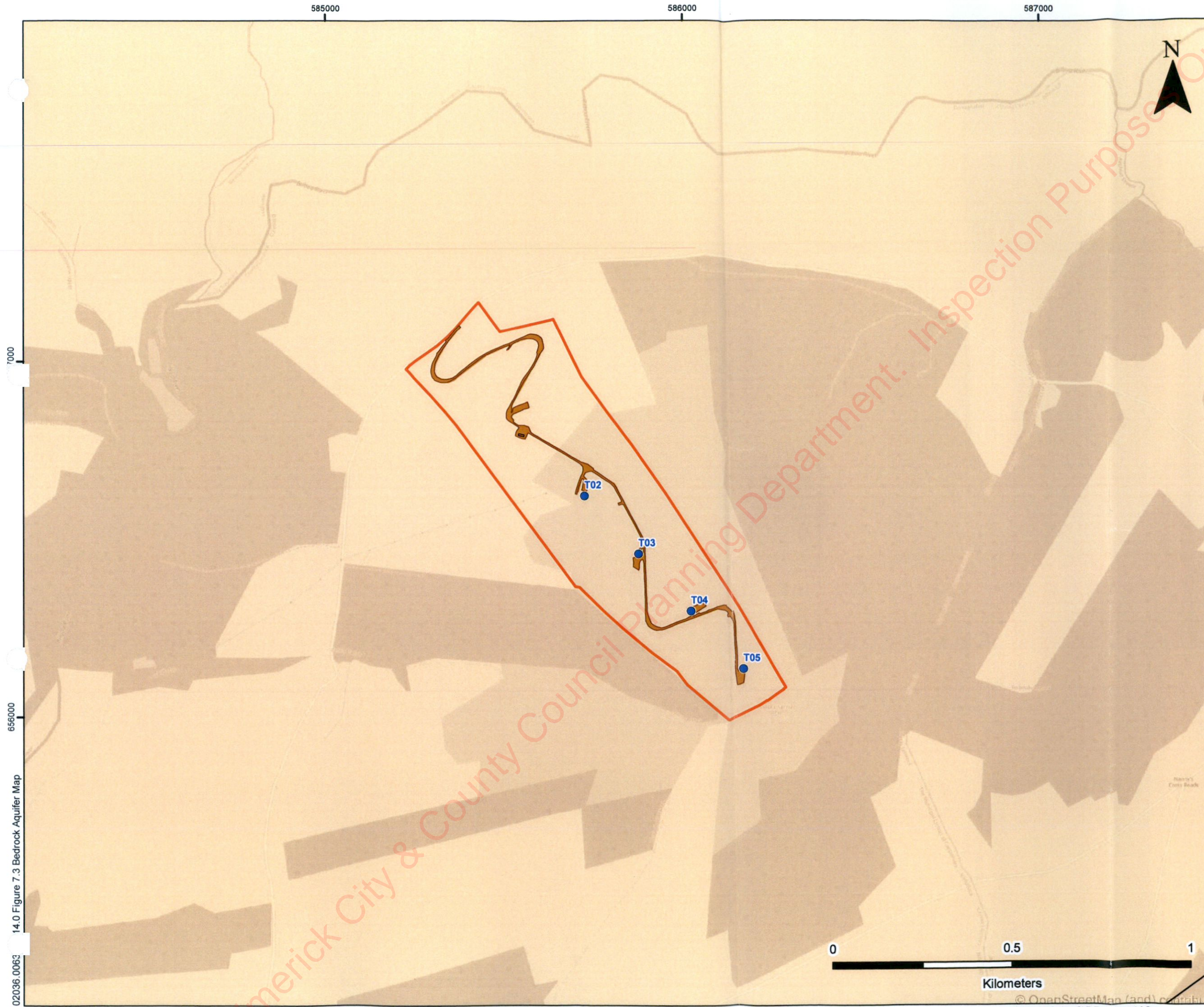
**SITE LAYOUT**

**WITH WATER FEATURES**

**FIGURE 7.2**

Scale 1:5,000 @ A3 Date NOVEMBER 2021





**NOTES**

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**LEGEND**

- Site Boundary
- Turbine Location
- Access Track, Turning Areas and Hardstanding
- Substation

**Bedrock Aquifer**

- PI - Poor Aquifer - Bedrock Which is Generally Unproductive Except for Local Zones

Bedrock Aquifer Faults

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Planning and Environmental Services

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**BEDROCK AQUIFER MAP**

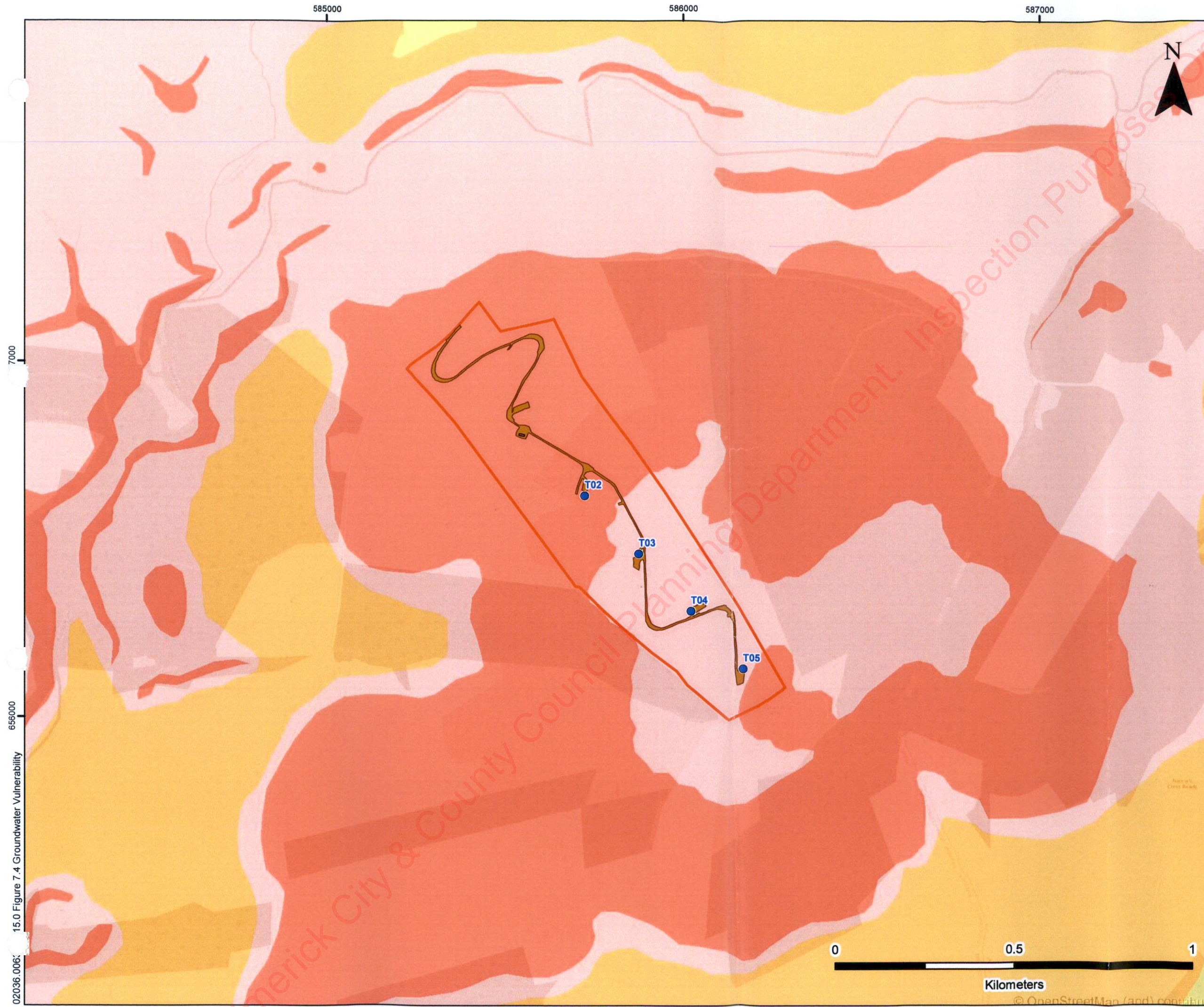
**FIGURE 7.3**

Scale 1:10,000 @ A3

Date NOVEMBER 2021

02036.0063 14.0 Figure 7.3 Bedrock Aquifer Map





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**LEGEND**

- Site Boundary
- Turbine Location
- Access Track, Turning Areas and Hardstanding
- Substation

**National Groundwater Vulnerability Ireland**

- Rock at or near Surface or Karst
- Extreme
- High
- Moderate

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Planning and Estimating Local Services

Kilkcommon

Hollyfort Village

Doon

COUNTY TIPPERARY

**sse**  
Renewables

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**GROUNDWATER VULNERABILITY**

**FIGURE 7.4**

Scale 1:10,000 @ A3

Date NOVEMBER 2021

02036.006: 15.0 Figure 7.4 Groundwater Vulnerability





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**LEGEND**

- Site Boundary
- Turbine Location
- Access Track, Turning Areas and Hardstanding
- Substation

**GSI Boreholes and Wells**

- ⊕ Borehole
- ⊕ Spring
- ⊕ Unknown BH/Well Type
- Well (500m to 1km Accuracy)

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**GSI GROUNDWATER WELLS**

**FIGURE 7.5**

Scale 1:25,000 @ A3 Date NOVEMBER 2021

