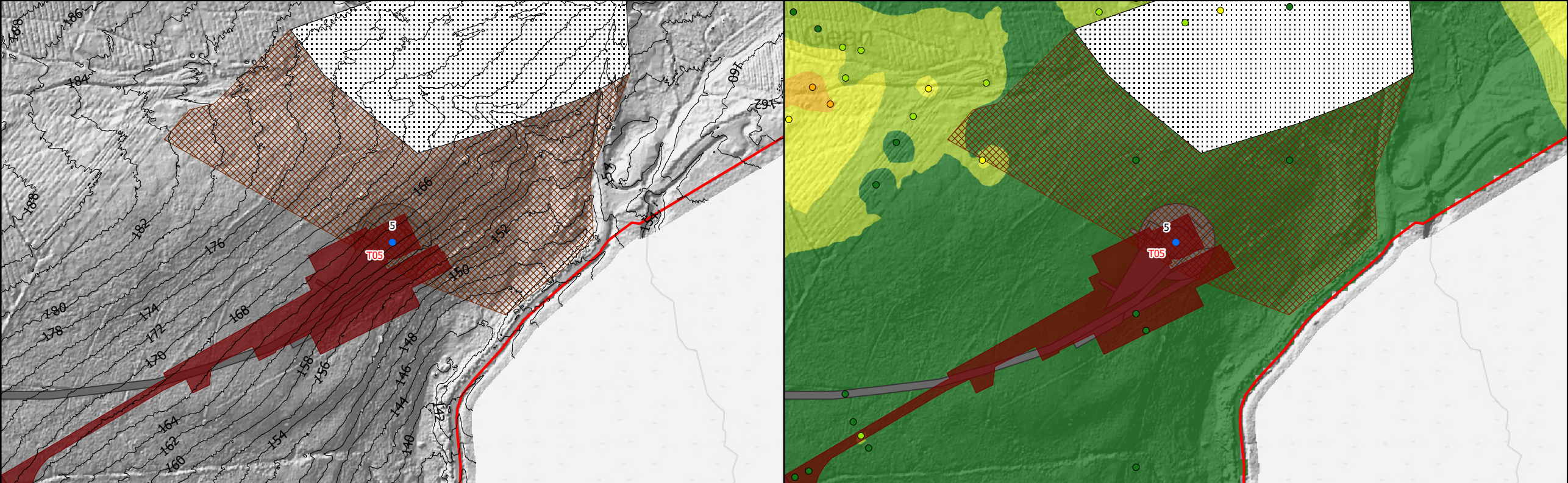
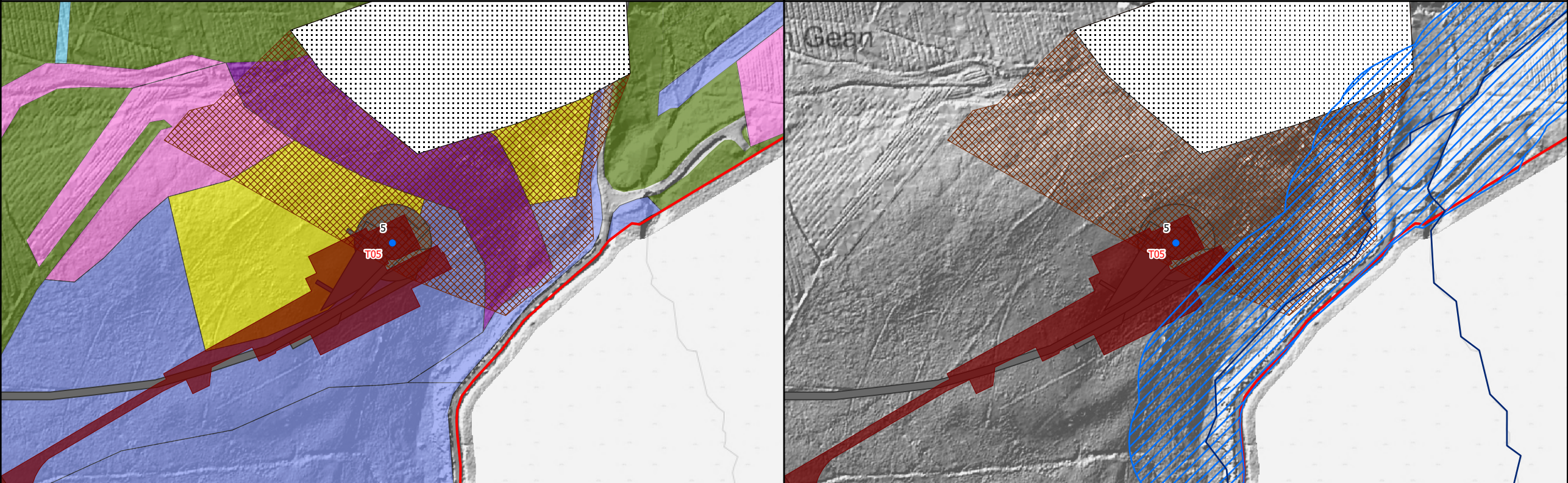


T05: Reason for Moving: This turbine location has not moved from the current consented location.



Engineering: The existing track from the operational site has been used as the approach for T04 as an approach for this location. This track will need upgrading to accommodate modern turbine deliveries. New track will be built from T04 to T05. The plan for turbine component deliveries is to drive directly onto the hardstand in a forward direction. A small unloaded turning head will be located between T04 and T05 to allow for delivery vehicles to turn and leave the site. This turning head serves both turbines. The distance back to the main windfarm spine road it further than what would be acceptable to the delivery companies, therefore the turning head is a necessary feature for this location.

Geology Impacts: The foundation has been located in an area of potentially zero peat with the remaining areas being in shallow peat.



Ecology Impacts: The new location for the infrastructure sits within the same NVC areas as the consented development. The infrastructure will be located in Mire and Grassland.

Hydrology Impacts: There is a slight encroachment into the 50m water course buffer.

- Legend**
- Site Boundary
 - Consented Turbines
 - Revised Turbine Locations
 - Consented Permanent Met Mast Location
 - Revised Permanent Met Mast Locations
 - Consented Operations Building
 - Consented Construction Compound
 - Consented Layout
 - Proposed Varied Layout
 - Borrow Pit Search Area
 - Borrow Pit Working Area

Engineering

2m Contours

Geology

Peat Depth (m)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- >4

Peat Depth (m)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- >4

Ecology

NVC

- Coniferous Woodland
- M15
- M19
- M23
- M23/M25
- U4

Hydrology

- Watercourse (OS Vector)
- Watercourse 50m Buffer

Scale 1:3,000 @ A3



Figure 2.12e
Infrastructure Design Review
- Turbine 05