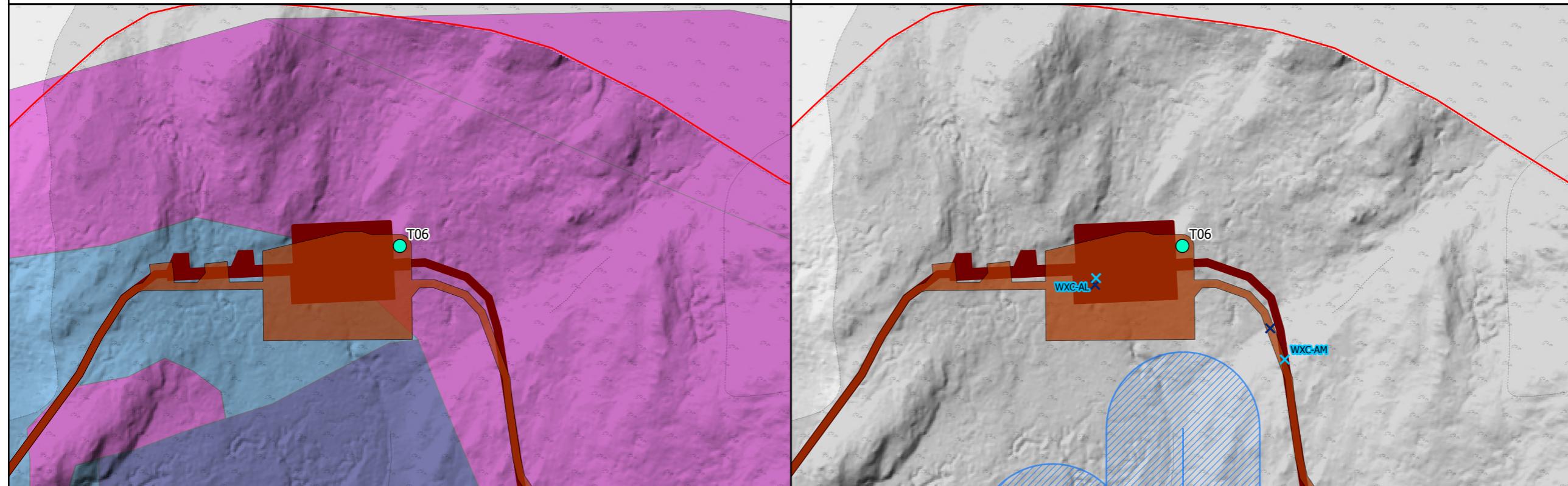


Engineering: The hardstand size has been increased on the shallowest gradients to reduce earthworks.

Geology Impacts: The use of larger turbines requires for hardstands to be used with a greater surface area to those contained within the current consent. This introduces the requirement to construct infrastructure in some areas of medium depth peat. The increased hardstand size fits within the current consented 50m micrositing buffer. There is an opportunity to improve the site tracks at both ends of the hardstand for constructability and to avoid peat pockets. There is no impact on the proposed HMP peatland restoration area.



Ecology Impacts: As the turbine location has not changed the impact is caused by the need to construct larger infrastructure. There is marginally less impact to the Wet Heath (M15c) and a greater area of Blanket Mire (M17/M17a/M18a/M19a) taken by the constructed hardstand.

Hydrology Impacts: The proposed location is outside the 50m water buffers.

Legend

- Site Boundary
- Consented Turbine Location
- Proposed Varied Turbine Location
- Proposed Varied Development Layout
- Consented Development Layout
- No Change to Consented Development
- Consented Borrow Pit Excluded From Proposed Varied Development

Engineering

— 1m Contour

Geology

Peat Depth (m)

- 0 - 0.5
- 0.5 - 1
- 1 - 1.5
- 1.5 - 2
- > 2

■ 0 - 0.5

■ 0.5 - 1

■ 1 - 1.5

■ 1.5 - 2

■ > 2

■ Potential Peatland Restoration Areas

Ecology

NVC

- H9e
- M15c
- M17/M17a/M18a/M19a

Hydrology

■ Consented Water Crossing

■ Revised Water Crossings

— Watercourses (Based on OS 50k)

■ Waterbodies (Based on OS 50k)

■ 50m Water Buffer (Based on OS 50k)

Scale 1:3,000 @ A3

0 80 m



Figure 2.1f

Infrastructure Design Review - Turbine 06

Bhlaraidh Wind Farm Extension S36C Varied Development