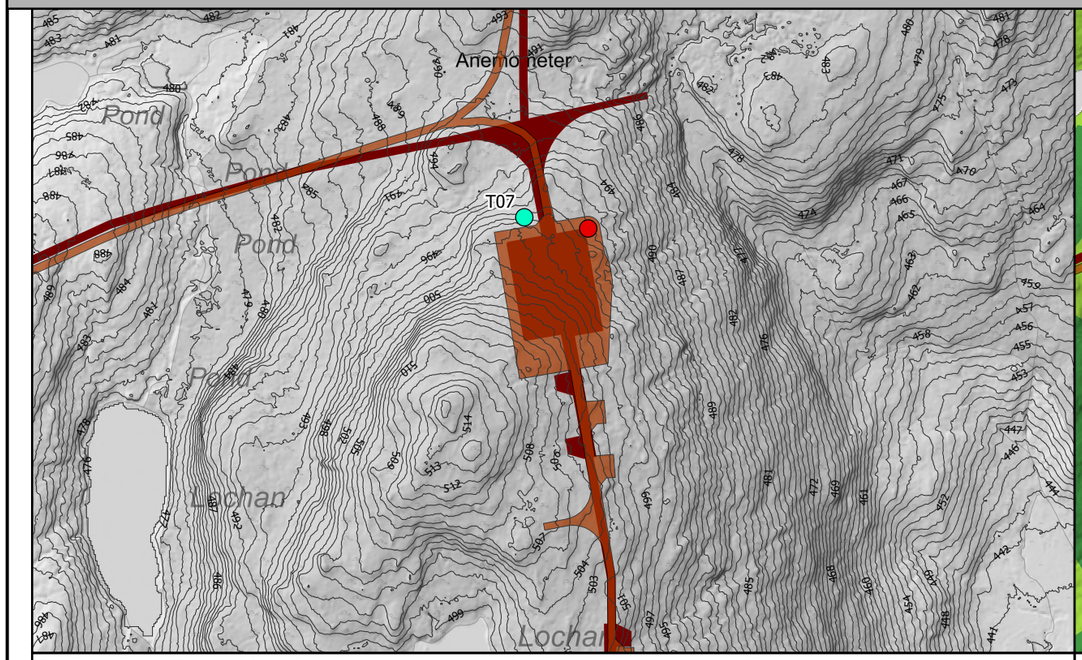
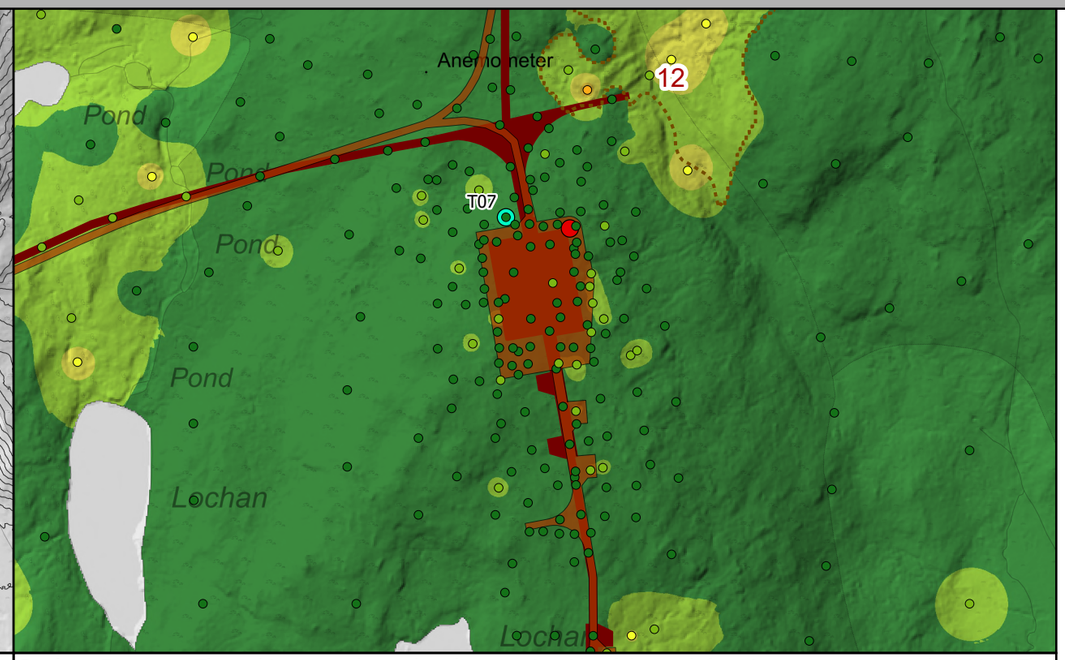
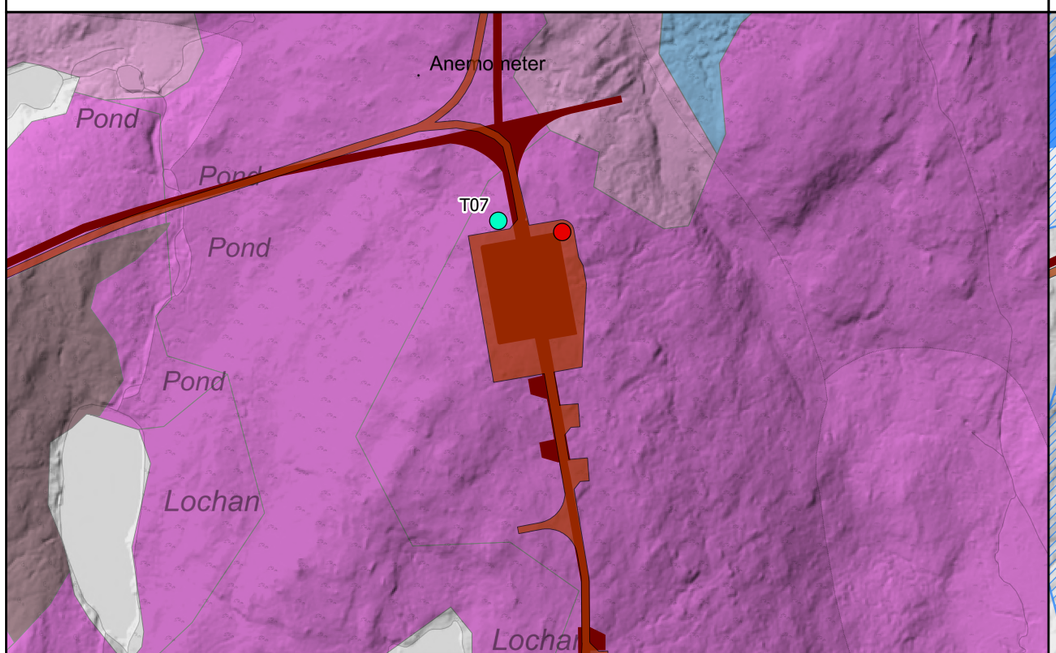
T07: Reason for Moving: Due to the optimization of turbine location T02 and increased rotor diameters, T07 has been moved south to maintain a distance of three rotor diameters from the nearest turbine.



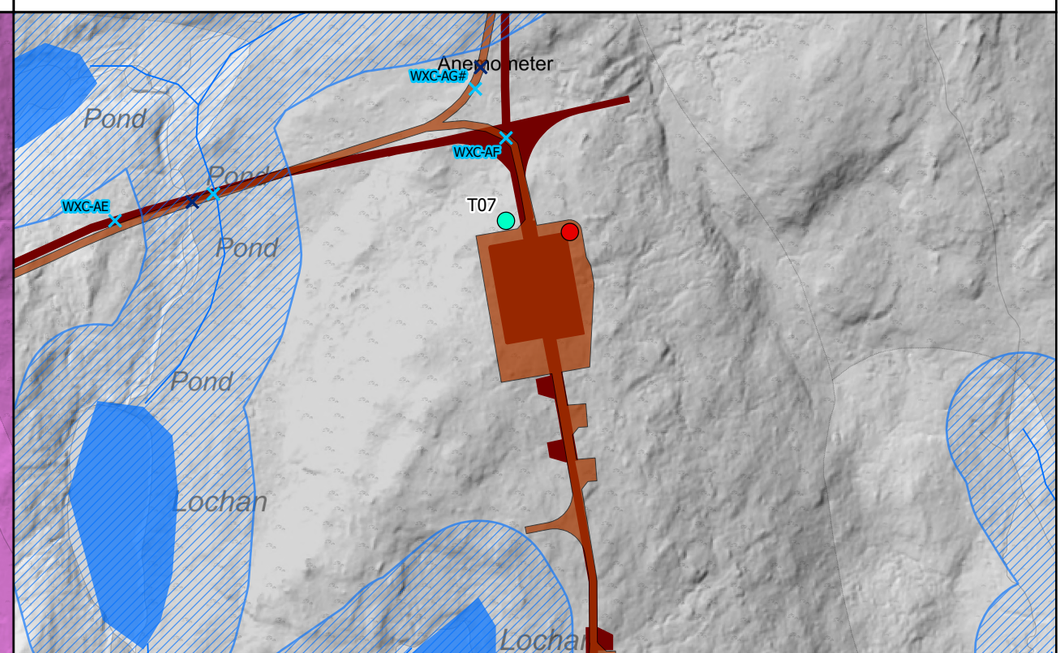
Engineering: The position of the hardstand has not significantly changed, and still attempts to follow the ridgeline as closely as possible to minimise cut-fill requirements. The turning head has been moved to avoid steep reverse driving of unloaded component vehicles.



Geology Impacts: The turbine was relocated to the opposite side of the track from its current consented position. The new location is within the 50m micrositing limit from the current consented position, accommodating the required hardstand design for the turbines being considered. All infrastructure remains within the consented 50m micrositing buffer. The turning head has been moved from the end of the spur to a flatter area of land between T07 and T08, and will be used for both locations.



Ecology Impacts: As with the current consented infrastructure, the new layout is entirely within Wet Heath (M15c).



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

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

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 1:4,000 @ A3

0 m 80

N

Figure 2.1g
Infrastructure Design Review - Turbine 07

Bhlaraidh Wind Farm Extension
S36C Varied Development

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