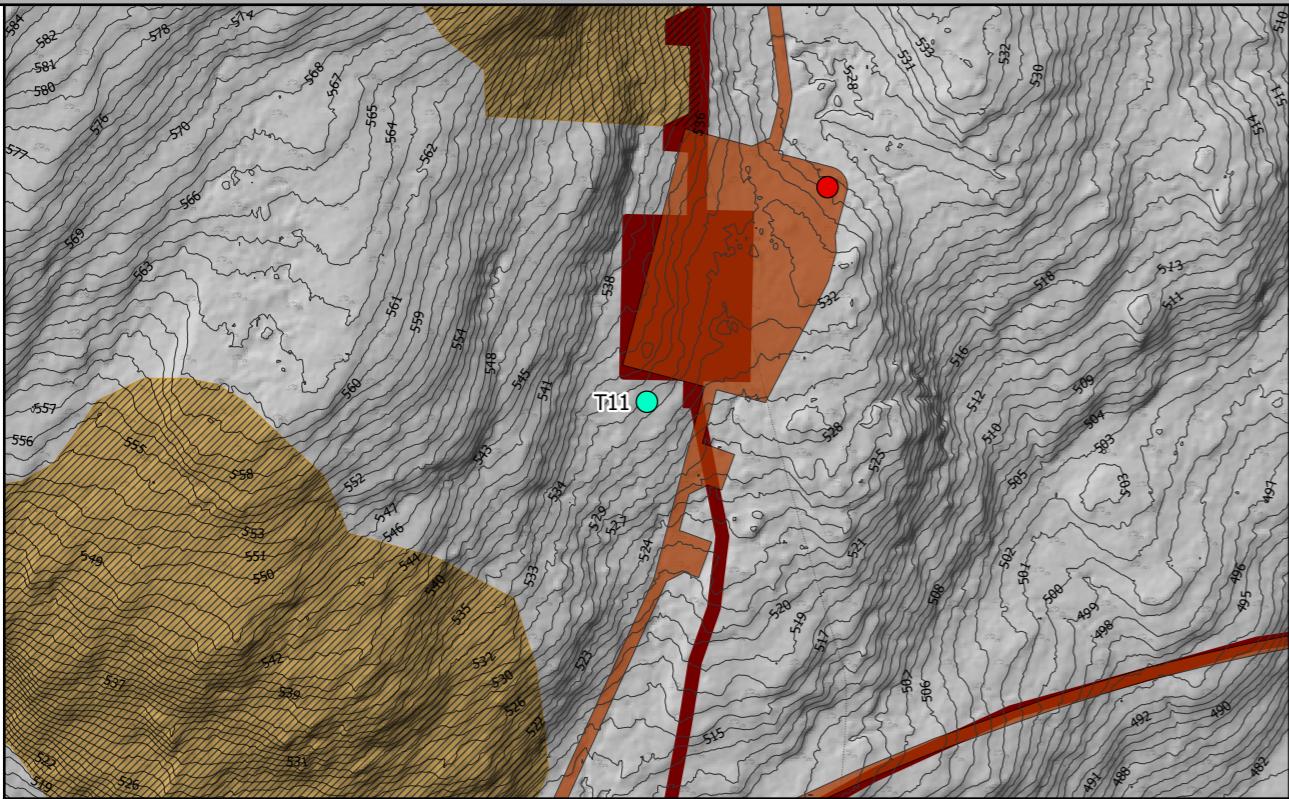
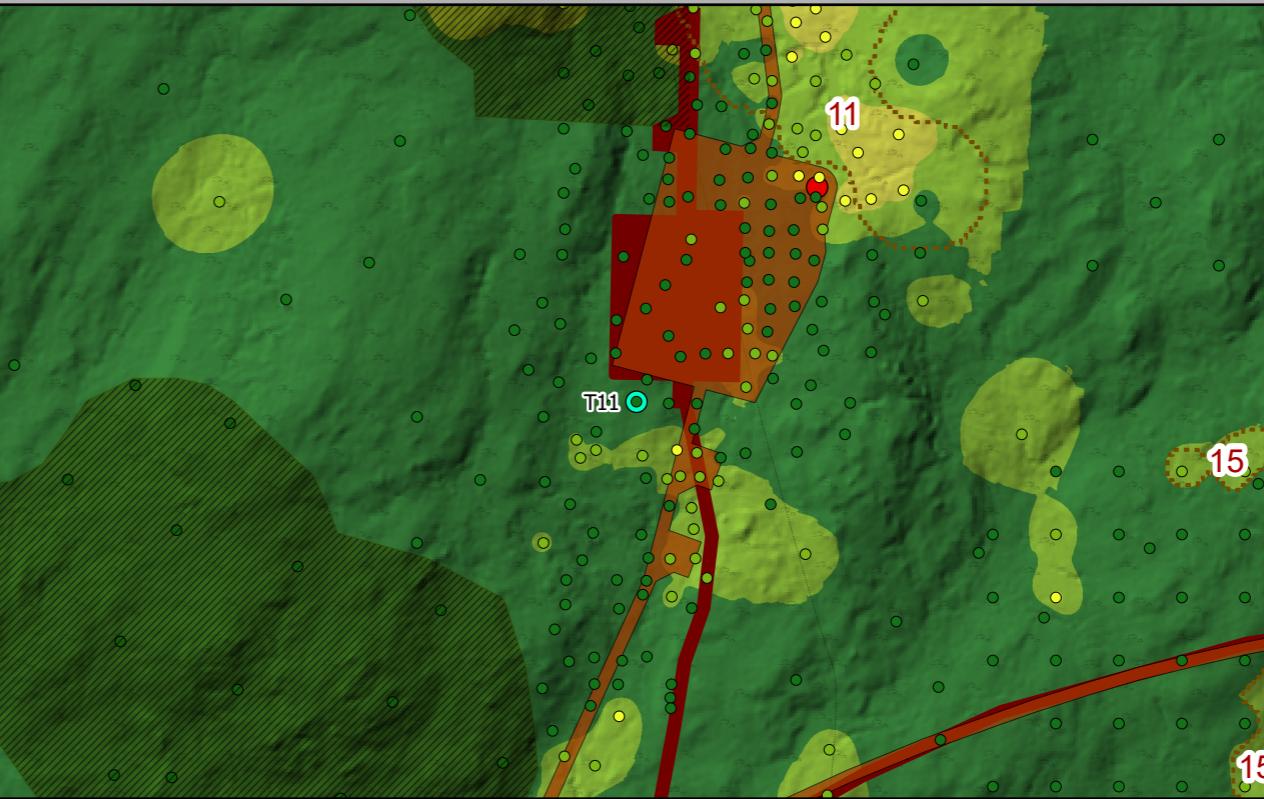


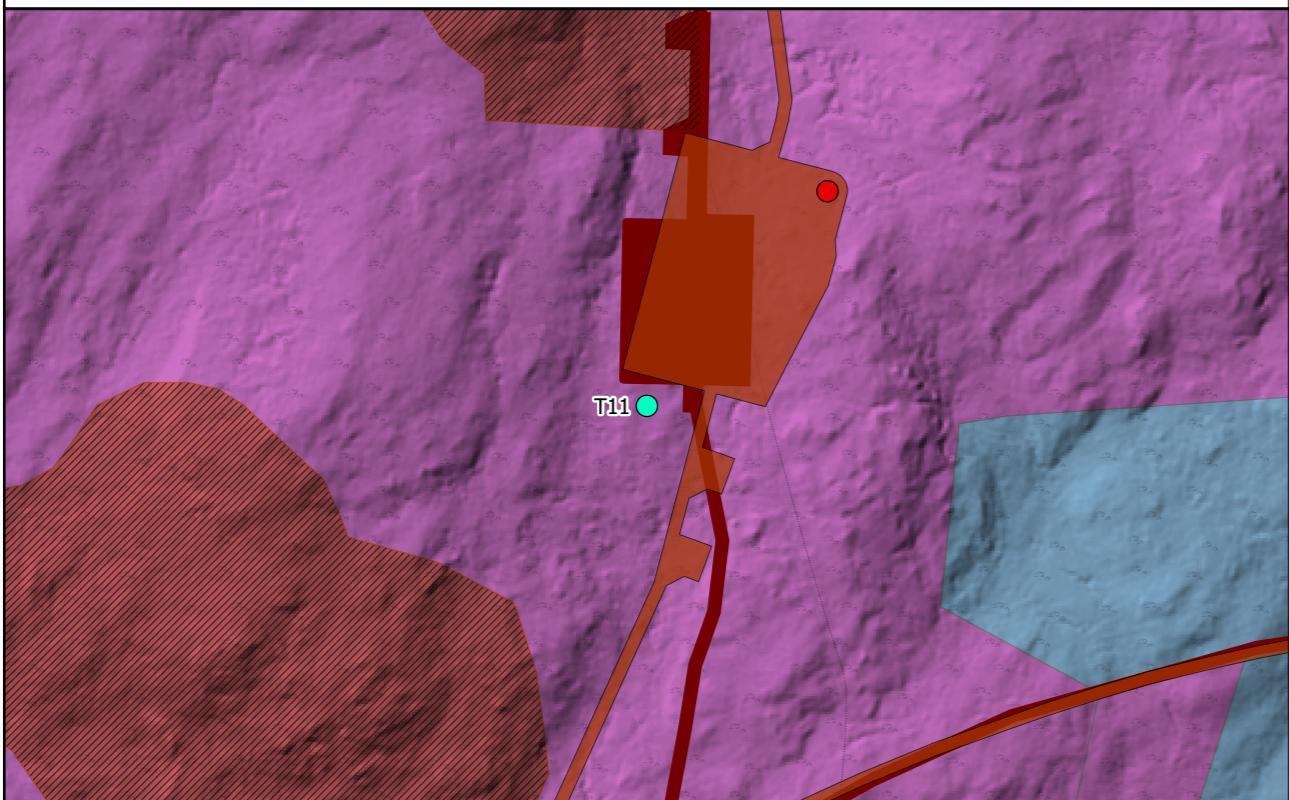
T11: Reason for Moving: This move was necessary because the consented position was too close to the substation platform. The consented position is 1.38 times the tip height of the turbine away from the closest point of the permanent area of the substation platform. To build in safety margins, it is recommended to maintain at least 1.5 times the tip height. It is noted that there is a slight overlap with the north west corner of the substation platform, however suitable distance is maintained to the fencing.



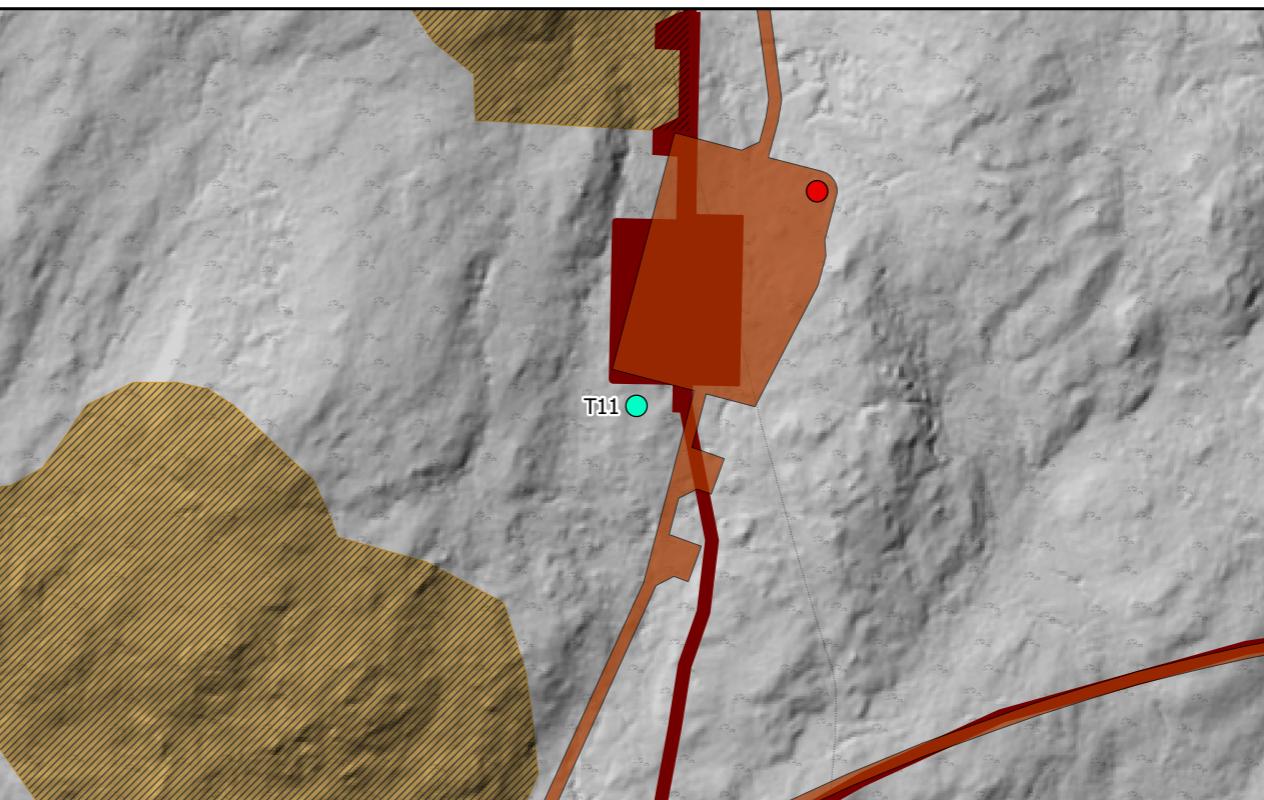
Engineering: The realigned access track leading to T11 meets the main spine at level closer to the proposed hardstand level, allowing for shallower access for component delivery. Also, the orientation of the hardstand is aligned with Vestas 'standard delivery' direction, minimising reverse delivery requirements.



Geology Impacts: Both the consented and proposed infrastructure is located predominantly in shallow peat with small pockets of medium depth peat. The hardstand has been reoriented to maintain the infrastructure in mainly shallow peat. Due to the area of the platform requiring to be flat across the entire length, the track been realigned to accommodate a shallower track up to the start of the hardstand. All proposed infrastructure is located in the consented 50m micrositing buffer.



Ecology Impacts: Both the consented and proposed infrastructure sits entirely in Wet Heath (M15c). The proposed layout removes most of the impact of the site track going through a patch of "M11 Yellow Saxifrage" to the north of the hardstand. On balance the proposed track alignment is required to pass across the end of a patch of "M11 Yellow Saxifrage" to the south. The proposed track alignment to the north passes through a section of "HMO Peat Restoration Area".



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/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 2.1k
Infrastructure Design Review
- Turbine 11

Bhlaraidh Wind Farm Extension
S36C Varied Development