

# Design evolution

## Wind turbines

Since the scoping design, which was presented at the June 2024 public exhibitions, the number of wind turbines has been reduced from 27 to 26.

Furthermore, each wind turbine location has moved to varying degrees to refine the design and minimise impacts wherever possible. The total installed generating capacity has also reduced since the previous proposal from around 194MW to approximately 187MW due to the reduction in wind turbine numbers.

## Tracks

Existing tracks will be utilised wherever possible. Sections of new tracks have been aligned to avoid, as much as possible, crossing of watercourses and areas of deeper peat.

## On-site substation

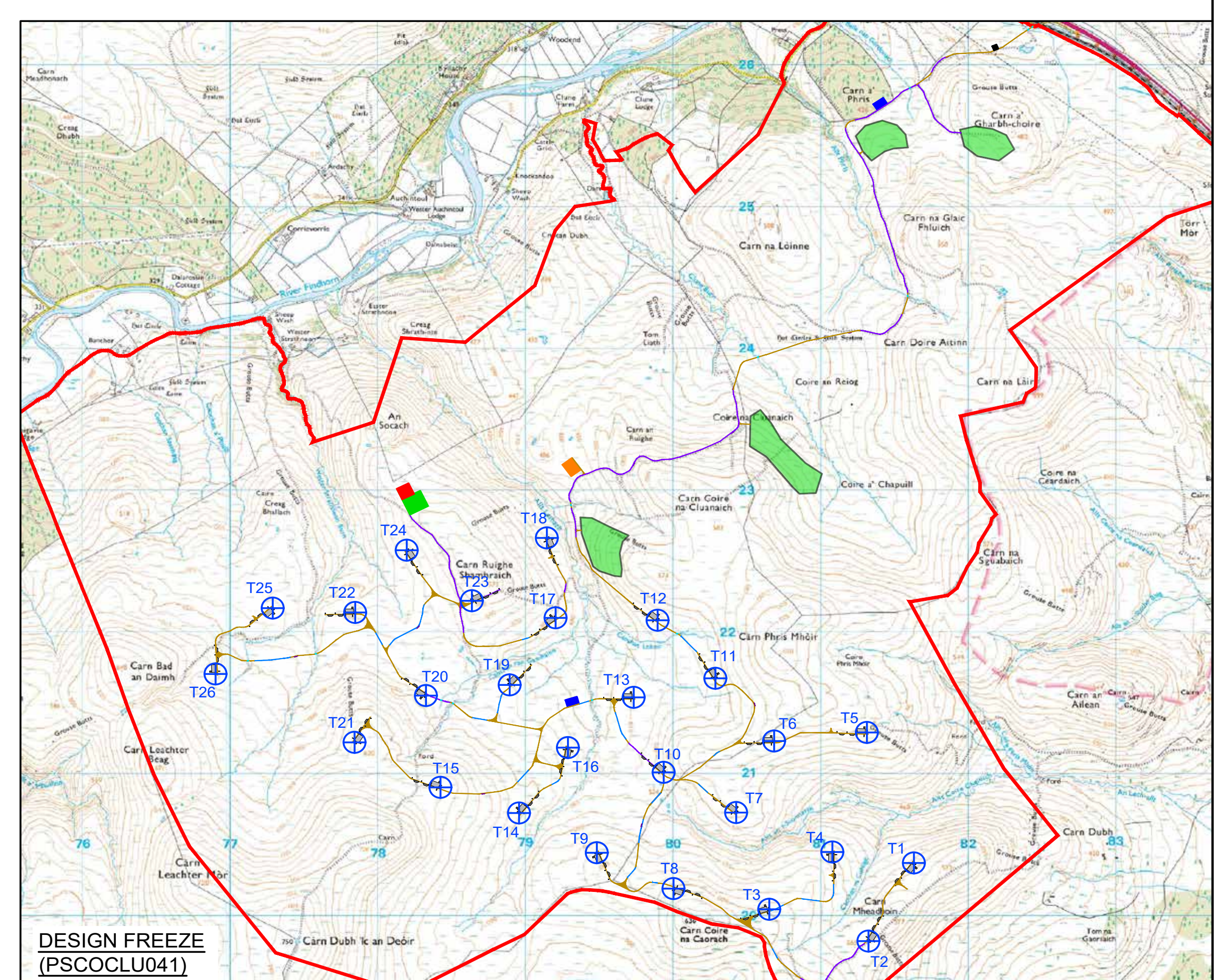
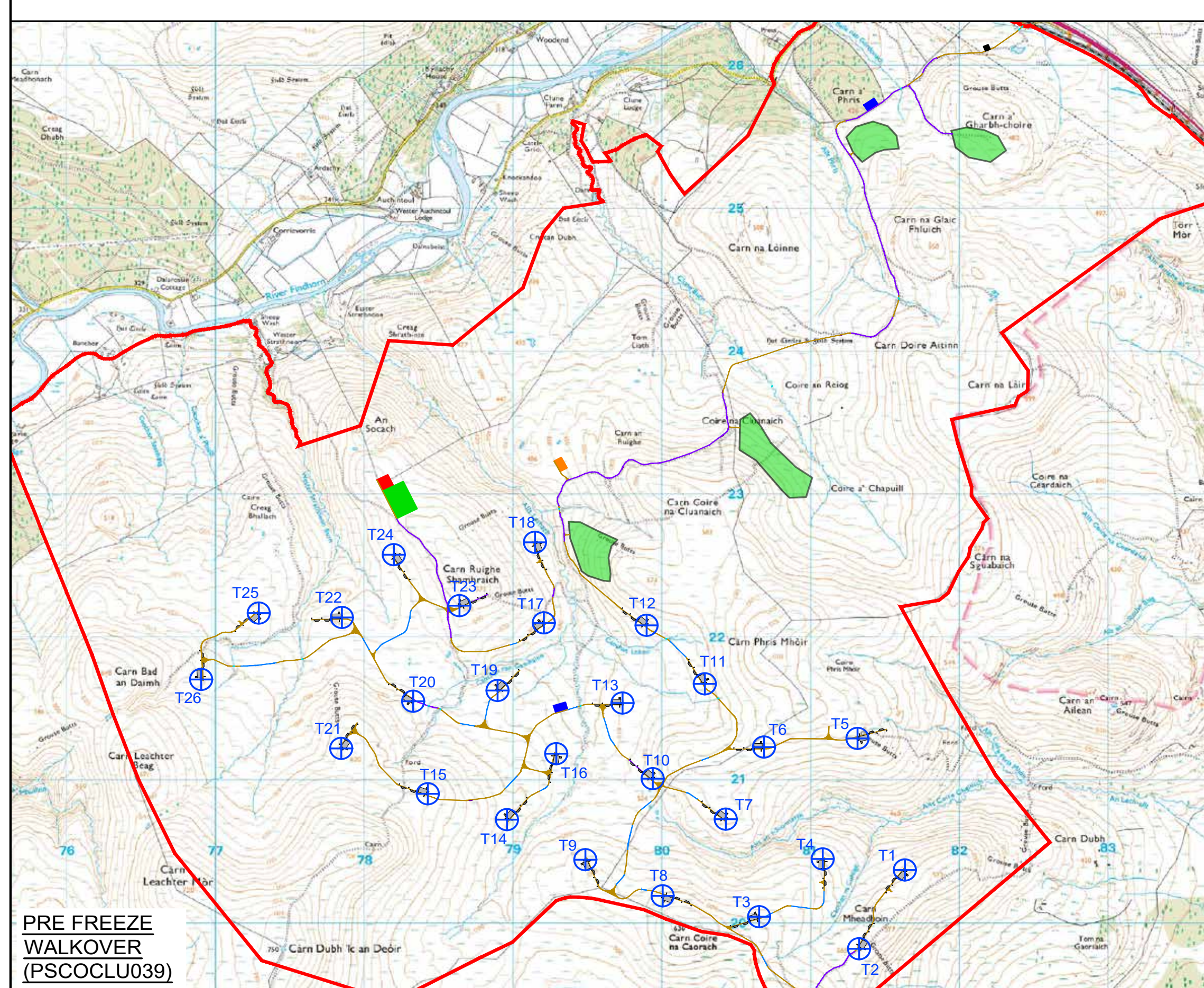
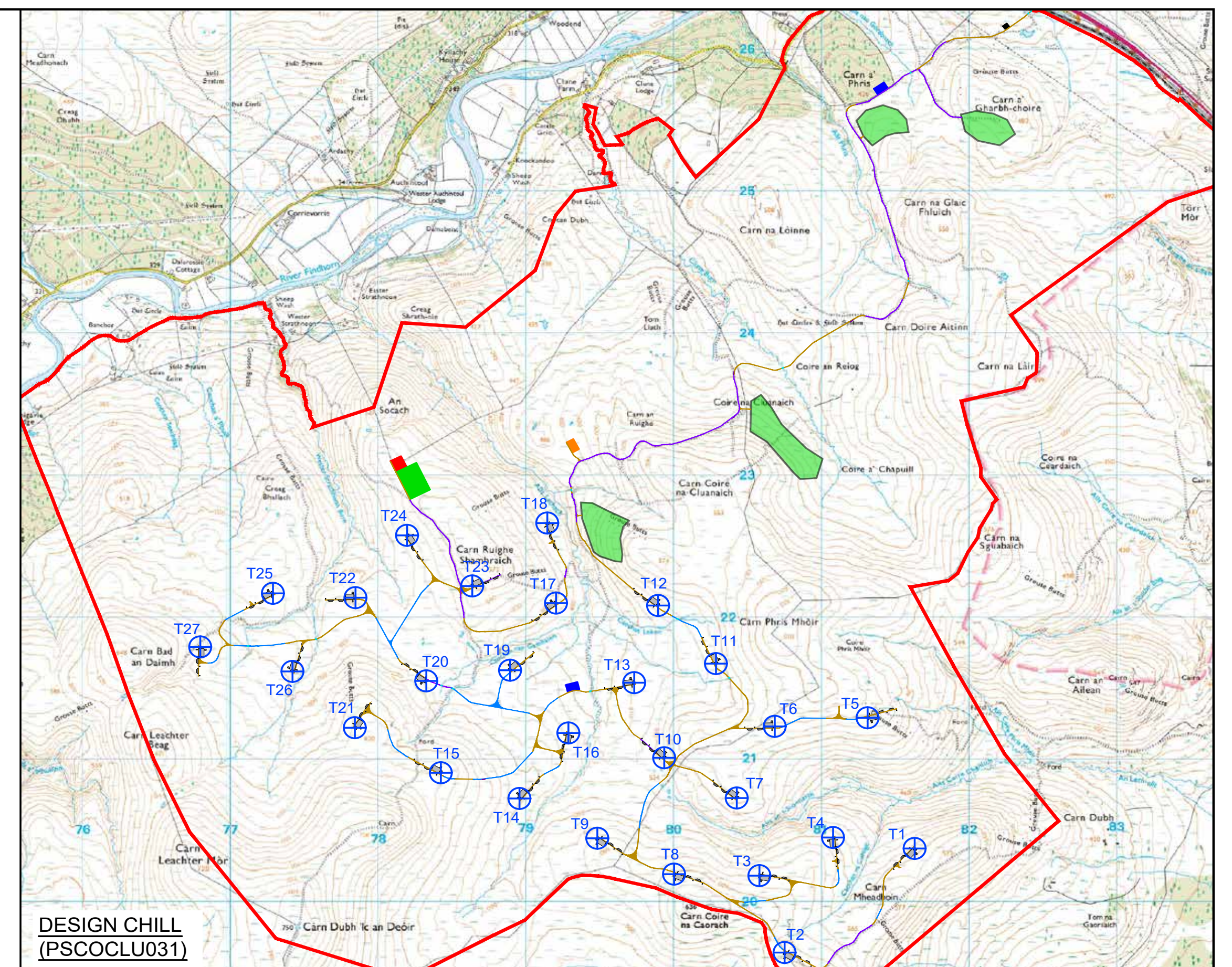
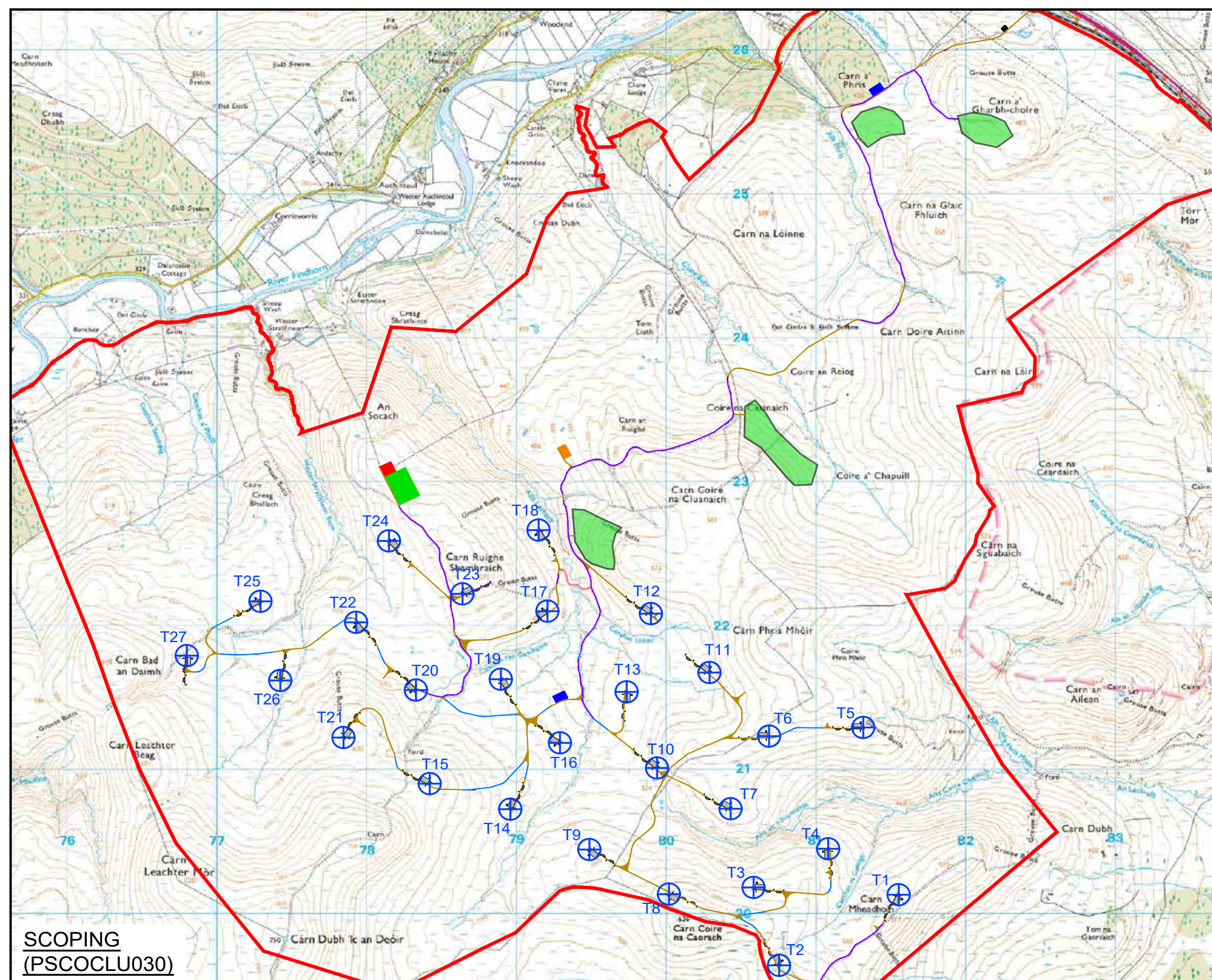
The proposal includes an on-site substation. The electricity generated from each wind turbine is low voltage and needs to be converted into a higher voltage to be exported onto the National Grid.

Underground cables organised into arrays transport the electricity generated to the on-site substation whereupon it is converted into a higher voltage (132kV in the case of Clune Wind Farm). This electricity is then transported via a 'grid connection' (a 132kV low profile pole line is expected for Clune Wind Farm) onto the National Grid.

The proposed on-site substation location can be seen on the drawing below.

## Layout design evolution

- KEY:
- SITE BOUNDARY
  - ⊕ WIND TURBINE
  - NEW TRACKS
  - UPGRADED TRACKS
  - FLOATED TRACKS
  - WATERCOURSE CROSSING
  - SUBSTATION
  - TEMP CONSTRUCTION COMPOUND
  - BATCHING PLANT
  - BATTERY ENERGY STORAGE SYSTEM
  - GATEHOUSE COMPOUND
  - BORROW PIT SEARCH AREA
  - PASSING BAY



# Clune Wind Farm - updated proposal

[www.clune-windfarm.co.uk](http://www.clune-windfarm.co.uk)

