

SITE DETAILS

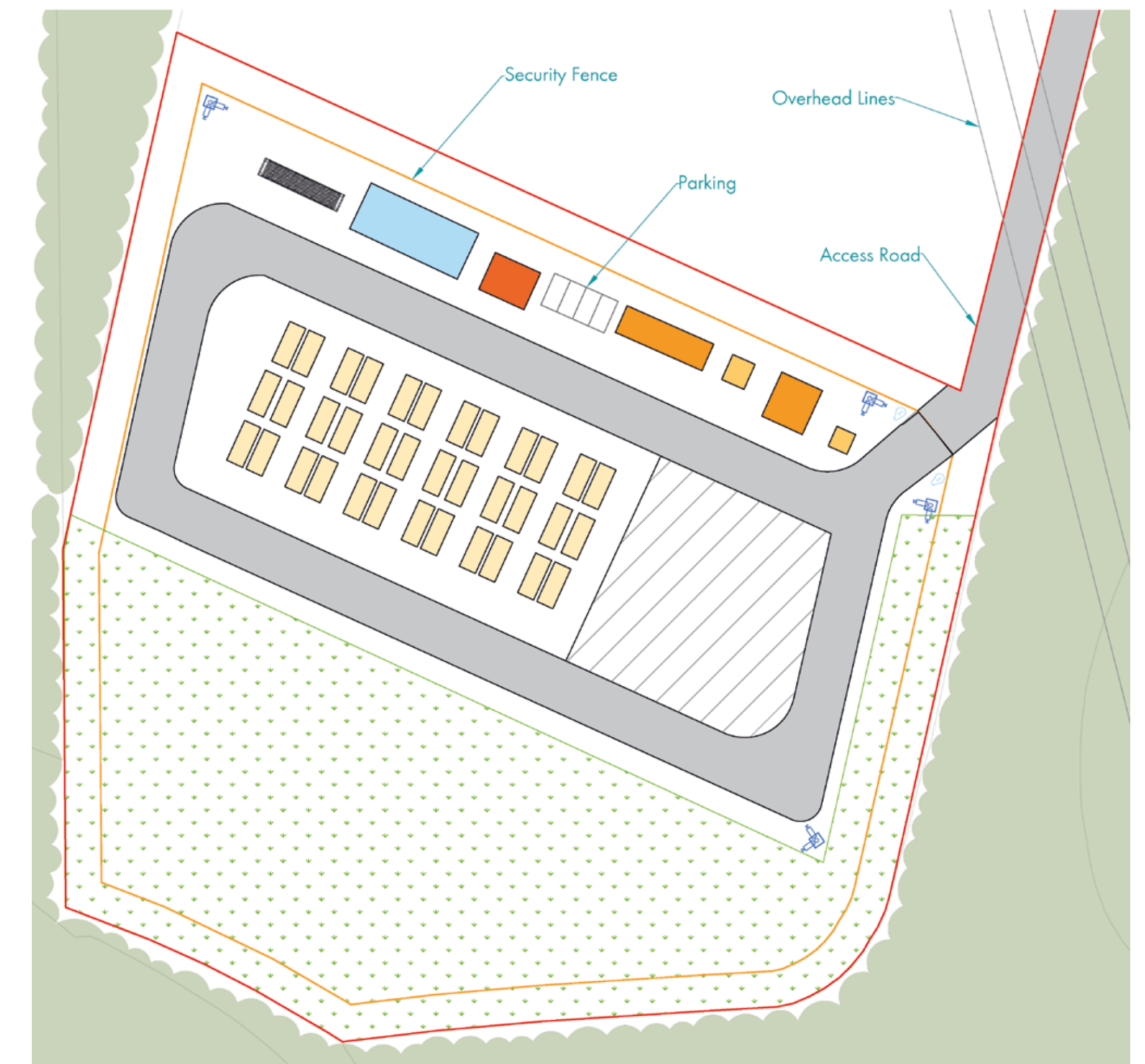


WHAT IS BESS?

BESS are developments that store electricity at times of high generation and low demand via rechargeable batteries, which then release this energy back into the grid at times of high demand.

As electricity generation in the UK begins to rely more heavily on the intermittent generation of various renewable energy technologies (wind and solar), there is an increased need to store and release energy when there are variances in supply and demand. Battery storage developments are becoming more common across the UK to negate the need for fossil-fueled energy sources.

The BESS will help provide energy security by storing excess energy to feed directly into the Local Distribution network, working towards offsetting the requirement for fossil-fueled sources of power. The drive for this development is the increasing need for renewable generation uptake to diversify the energy mix, working towards nationwide Net Zero targets for 2050. Developments such as that proposed will play a vital role in achieving such targets and provide a level of energy security that renewable developments alone cannot achieve.



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Proposed is a Battery Energy Storage System (BESS) to be stored in multiple 40ft shipping containers situated on steel frames approximately 1ft above ground level, with a minimum capacity of 49.5MW.

The site is located approximately 400m west of Blantyre, with the Rotten Calder River flowing to the south and east of the area proposed for development. The site boundary is circa 1.6ha, with access from Loanend Road at Malcolmwood Farm. The current site is covered by grassland and is enclosed by trees on the west, south and east.

SITE HISTORY

The site was redesigned in relation to feedback received in the Screening Opinion to account for fire safety regulations. A secondary access point was added for emergency vehicles.