



CleanEarth Public Consultation Event

For a Battery Energy Storage System (BESS)

On Land at Crutherland Farm

<https://cleanearthenergy.com/projects/crutherland-farm/>

Project Overview



Who is the Applicant?

- CleanEarth are an expert renewable energy, planning and project management team with over a decade-long record in delivering renewable energy developments.
- Managing projects from concept through to planning and construction.
- To access more information visit <https://cleaneartenergy.com/>.

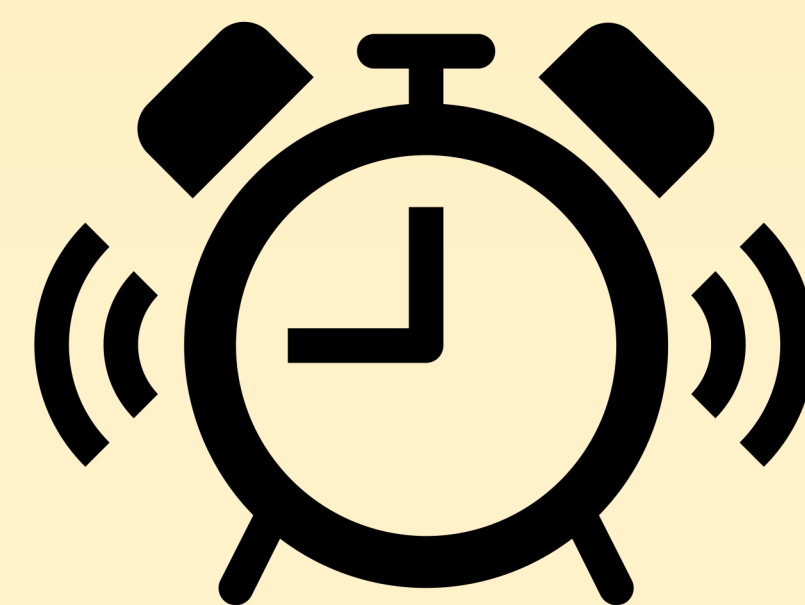


What is Battery Storage?

- Battery storage is a technology that enables energy to be stored for later use.
- The storage system charges from excess grid energy and discharges at times of peak demand.
- Battery storage plays an important role in system flexibility as renewables like wind and solar increase to meet net-zero targets.

Benefits of Battery Storage?

- Scotland is aiming to achieve net zero by 2045.
- Intermittent renewable energy generation means we still have to rely on fossil fuel generation.
- Battery projects enable grid flexibility to fill in the gap.
- Scotland has approximately 864MW of electricity storage capacity and only 2.2GW has been approved planning permission – expressing the need to increase this capacity.

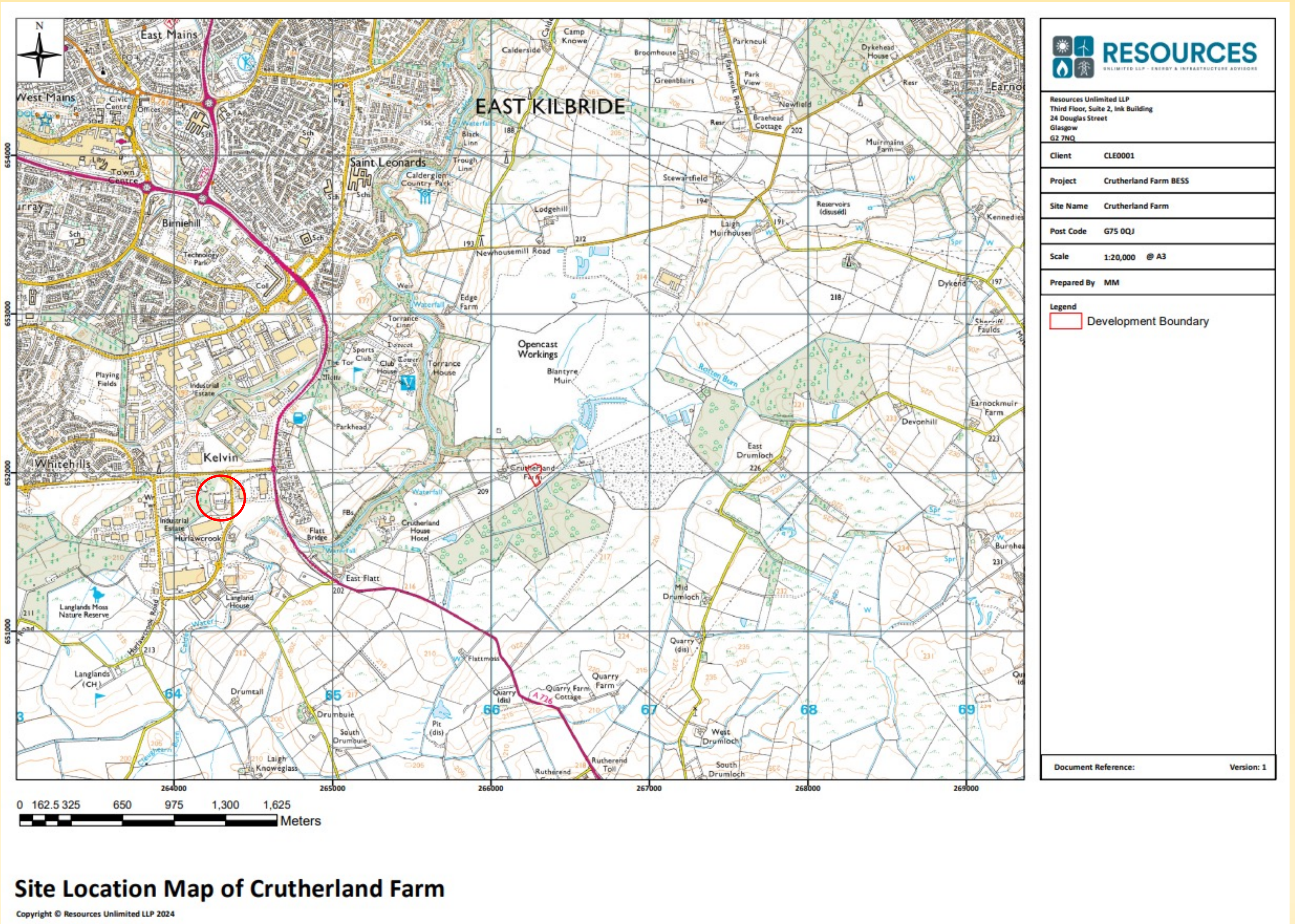




The Proposed Location

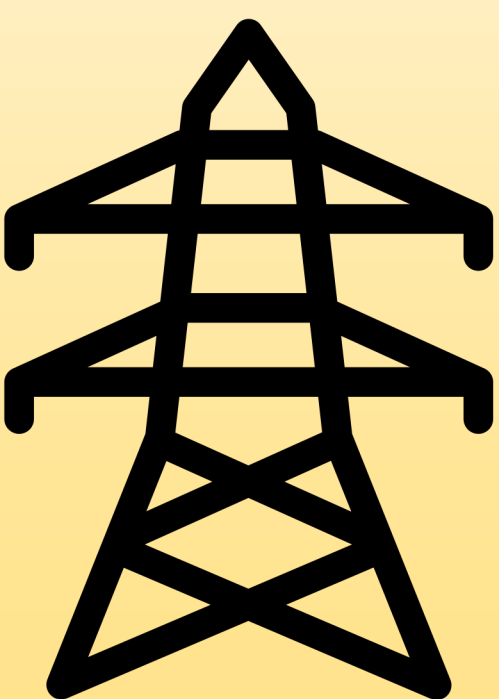
The Location:

- The proposed site is located on land approximately 1.5km south of East Kilbride.
- The site is occupied as agricultural land, which can be continued outside of the development area during the operational lifetime of the BESS.

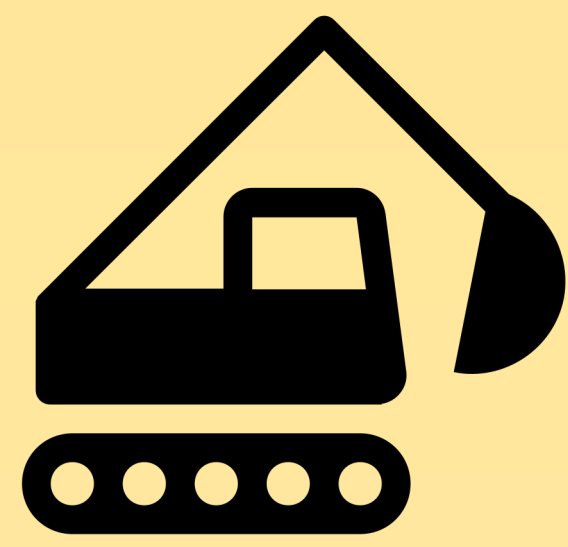


Why this Location?

- The proposed location is in close proximity to the East Kilbride Substation.
- There is available grid capacity at this location.
- There are very few suitable locations in Scotland with available grid capacity.

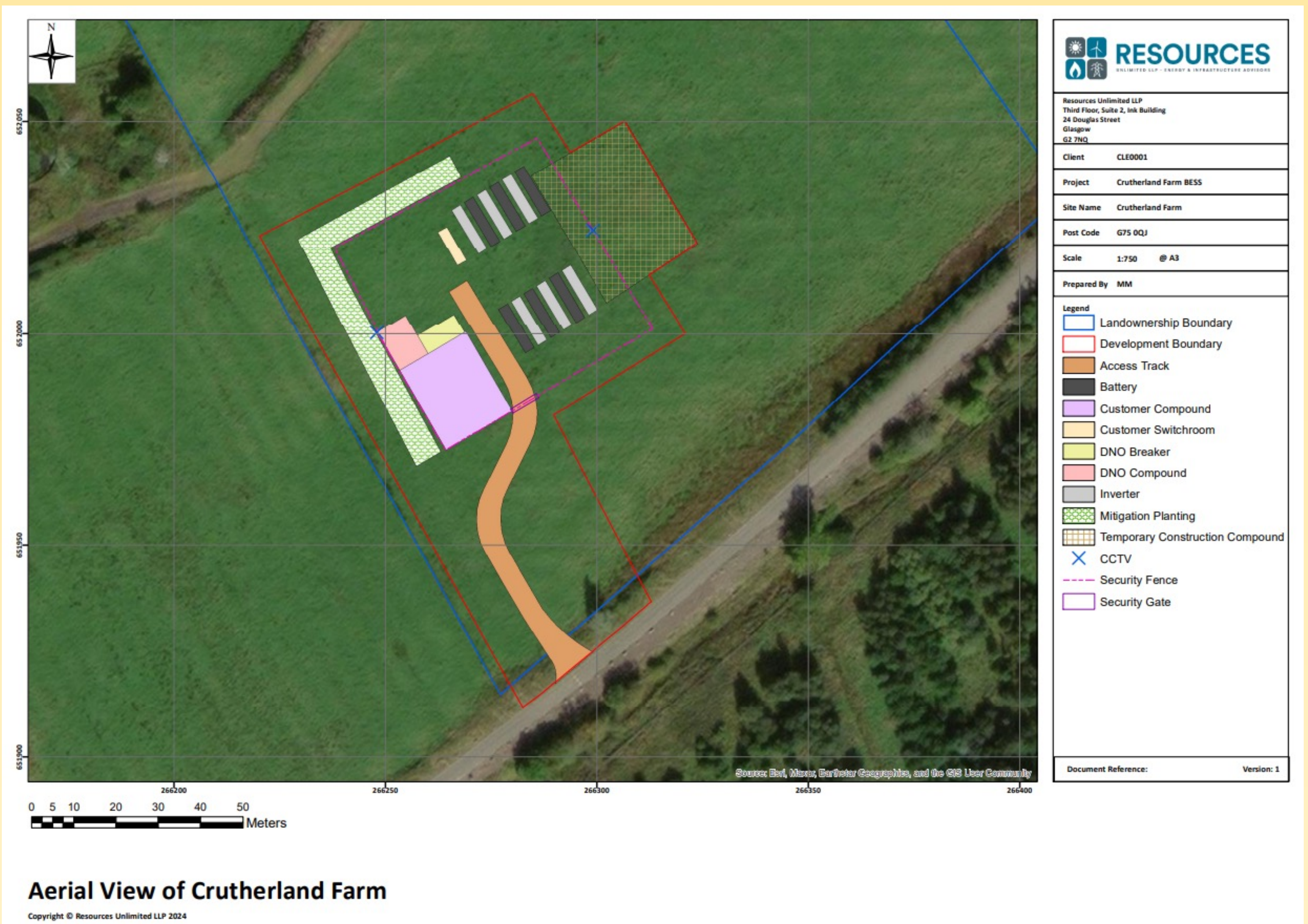


The Proposed Development



Site Development:

- The development boundary which encompasses the BESS infrastructure will occupy less than 1ha of the site.



Site Infrastructure:

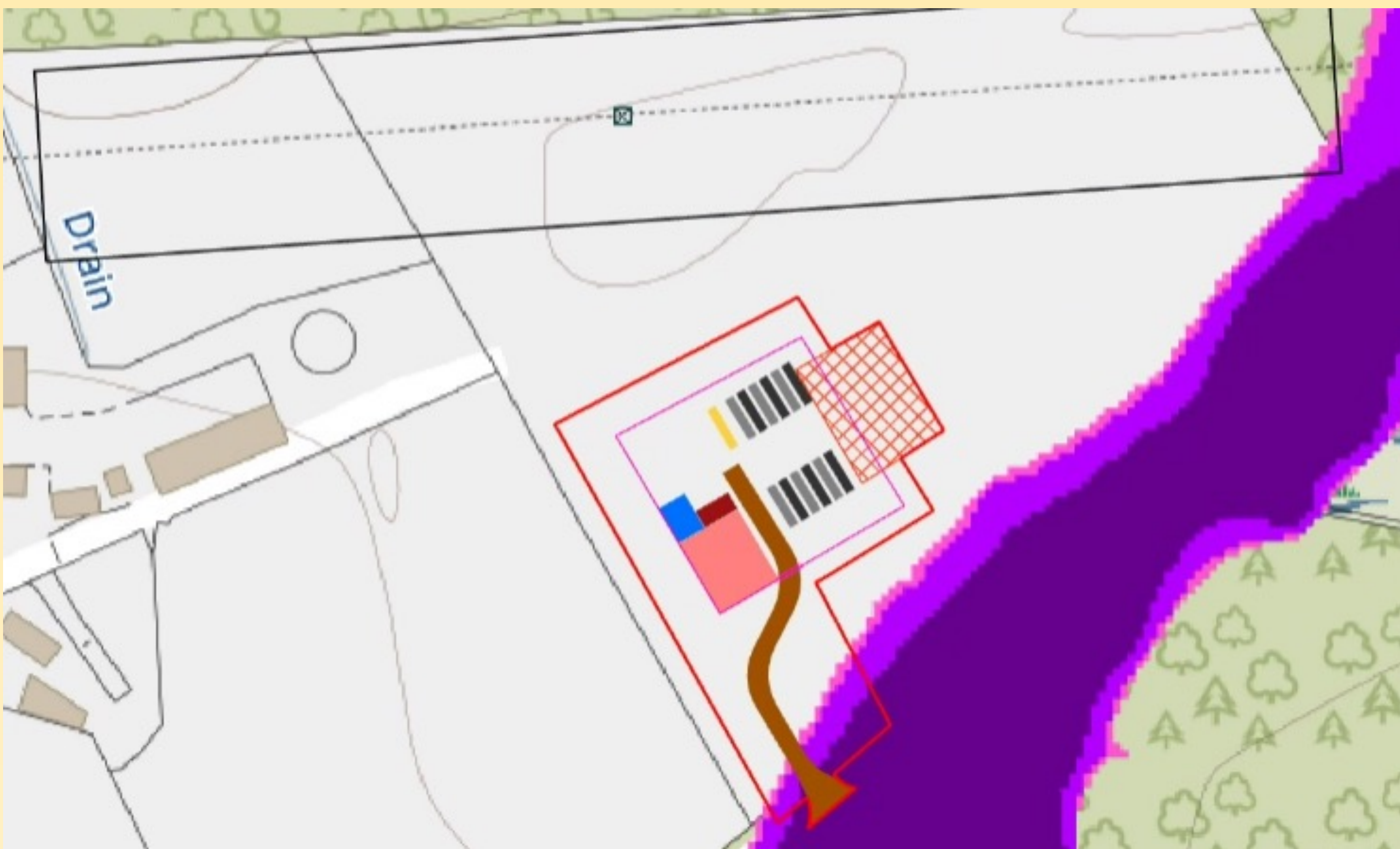
- The site layout includes containerised units housing battery energy storage systems - with a capacity of 22.8MW.
- Containers will measure approx. 2.9m height, 12.2m long, and 2.44m wide.

Ancillary Infrastructure:

- Transformers, switchgear units, perimeter fence, CCTV cameras and a new entrance with access track.
- Mitigation planting is proposed to reduce residual impact.

Environmental Considerations

- The proposed BESS offers a valuable opportunity to support renewable electricity integration to the grid in Scotland, to meet net zero targets.
- The proposed development has been designed to work with existing features in the landscape, seeking to retain existing habitat as best as possible, as shown below.



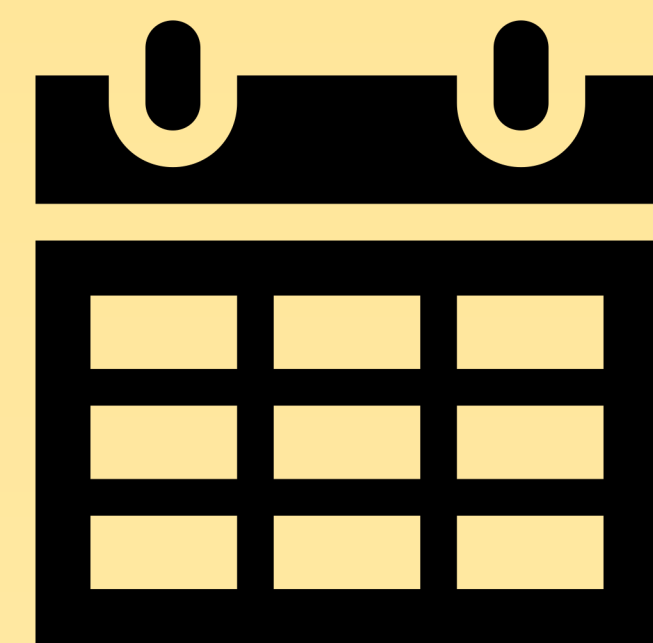
Design Examples:

- Sitting alongside hedgerow for avoidance of ecological degradation whilst providing natural landscape and residual screening.
- Sitting outside of flood risk zone for avoidance of hydrological impact.

- Environmental impacts have been considered for Landscape, Hydrology, Fire Risk, Noise, Ecology and Heritage during the design iteration process - **No constraints have been identified during this process.**
- The exact technology and type of components will be decided during the planning process - the indicative plans presented should enable understanding of what is being proposed and why the BESS has been positioned where it has.



The Planning Process



Timeline:

A Pre-Application Notice (PAN) was submitted on Wednesday the 13th December 2023.

All environmental surveys have been completed –
No constraints have been identified.

Public consultation events are occurring on 29th of January and 13th of February 2024.

An online consultation will also be available on 6th of February 2024.

A full planning application will be submitted 12-weeks after the PAN submission in Spring 2024.



Have Your Say:

Feedback can be submitted up to 21 days after the public consultation events with a deadline of 5th of March 2024.

Please Feedback by:

Email: crutherlandbess@cleaneartenergy.com

Online questionnaire available at:

<https://cleaneartenergy.com/projects/crutherland-farm/>

QR Code for website.

