

Figure 9 Landscape Mitigation Plan

Kirkby Battery Energy Storage System LVA



Sandy Brow Lane

Views from Sandy Brow Lane and the wider landscape screened by existing bund and regenerating scrub.

Grassland

The Site will be enhanced to neutral grassland through seeding using species of a local provenance, ideally sourced from local wildlife sites or Sites of Special Scientific Interest (SSSI). The height of the grassland swards will be managed each year in August.



Woodland and Trees

Areas of broadleaved woodland are proposed throughout the Site to provide screening, landscape value and enhance the ecological value of the Site and support local biodiversity. This would include the planting of 2.5-3 m tall native trees including a mix of oak, field maple, sycamore, scots pine, birch, and mountain ash. Planting of native trees is also proposed along the eastern and southern boundaries of the Development, and to the north of the A-frame building, to provide further screening.

Hedgerows

The existing hedgerows will be retained on the south-eastern boundary of the Site. Planting of additional native hedgerow would take place on the northern and eastern boundaries to provide suitable screening of the Site. The additional hedgerows would be managed for the first two to three years to ensure appropriate growth and subsequently maintained at a height of 3 m. An allowance has been made for a maintenance strip and the required stand-off from the BESS area.

Cable Route To Knowsley Substation

Views from Sandy Brow Lane screened by existing bund, and proposed trees and hedge.



Proposed **wetland** and riparian vegetation to support native wildlife and support drainage on site.



Measures have been implemented to achieve a **biodiversity net gain of 10%**.

Overhead Line Wayleave

Track

Existing A-frame Building

Lane Farm

Hawthorn Cottage

Cut Lane

Views from the south screened by existing hedges and proposed trees.

Views from the wider landscape including New Cut Lane screened by existing hedge located east of the Site, and proposed hedge and trees.

Key

- Site Boundary
- BESS Enclosure
- Proposed Attenuation Basin with Wetland
- Existing Bund with Scrub
- Proposed Broadleaved Woodland
- Other Neutral Grassland, Enhanced
- Other Neutral Grassland, Moderate
- Areas of Proposed Development
- Temporary Construction Compound
- Existing Access Track
- Existing Tree
- Existing Hedge
- Proposed Native Species Hedge
- Proposed Native Species Tree

52.1m

Broadleaved Woodland/Native Species Trees			
Trees should be planted as light standard trees (6-8 cm girth; 2.5-3.0 m high; footballed) with timber stake supports and protected with 0.6 m high plastic or cellulose spiral guards.			
Common name	Latin name	% mix	Height
English oak	Quercus robur	20	2.5-3m
Field Maple	Acer campestre	20	2.5-3m
Sycamore	Acer pseudoplatanus	10	2.5-3m
Pinus sylvatica		10	2.5-3m
Birch	Betula pendula	20	2.5-3m
Mountain ash	Sorbus aucuparia	20	2.5-3m

Hedgerow			
Planted as transplants in double staggered row, 5no. per linear/m in groups of 5-7no. same species. During the first 2 to 3 years cut annually to ensure the development of bushy growth low down in the hedge. Maintain at eventual upper height of 4m.			
Common name	Latin name	% mix	Height
Field maple	Acer campestre	15	40-60
Hawthorn	Crataegus monogyna	15	40-60
Blackthorn	Prunus spinosa	30	40-60
Hazel	Corylus avellana	10	40-60
Gorse	Ulex europaeus	5	40-60
English Oak	Quercus robur	5	40-60
Elder	Sambucus nigra	5	40-60
Elm	Ulmus procera	5	40-60
Ash	Fraxinus excelsior	5	40-60
Dog Rose	Rosa canina	5	40-60