

Figure 9 Landscape Mitigation Plan

Kirkby Battery Energy Storage System LVA



Sandy Brow Lane

Grassland

The Site will be enhanced to neutral grassland through allowing the grass to develop naturally, ensuring species are of local provenance, and sowing yellow rattle to suppress unwanted grasses. The grassland will be monitored and additional seed added later if necessary. The height of the grassland swards will be managed each year in August.



Woodland and Trees

Areas of broadleaved trees are proposed within 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 species including field maple, alder, birch, beech, crab apple, Scots pine, Aspen, wild cherry, sessile oak, English oak and mountain ash. Planting of native trees is proposed along the eastern and southern boundaries of the Development, and to the north and south of the A-frame building, to provide further screening.

Hedgerows

The existing hedgerows would be retained on the south-eastern boundary of the Site. Additional native species hedgerows would be planted on the northern and eastern boundaries to screen views from outside the Site. A hedge would also be planted on the west side of the access road to screen any views from the residential properties at and near Sandy Lane Farm. The additional hedgerows would be managed for the first two to three years to ensure appropriate growth. All the hedgerows would be 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.

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

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

Overhead Line Wayleave

Existing A-frame Building

Hawthorn Cottage

Cut Lane

52.1m

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

Cable Route To Knowsley Substation



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%.**

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

Broadleaved Woodland/Native Species Trees

Trees should be planted as Heavy Standard size at 2.0 m centres as informal groups, with each group containing 5-50 plants of the same species. All plants would be supplied bare root and would be protected with 0.6 m high plastic spiral guards supported by bamboo canes. The proposed species mix is shown in the following table.

Common Name	Latin Name	% Mix	Girth of plants when planted (cm)
Field Maple	Acer campestre	10	12-14
Alder	Alnus glutinosa	5	12-14
Birch	Betula Pendula	5	12-14
Beech (climax)	Fagus sylvatica	15	12-14
Crab Apple	Malus sylvestris	5	12-14
Scots pine (climax)	Pinus sylvestris	15	12-14
Aspen	Populus tremula	5	12-14
Wild Cherry	Prunus avium	5	12-14
Sessile Oak (climax)	Quercus petraea	15	12-14
English Pedunculate Oak (climax)	Quercus robur	15	12-14
Mountain ash	Sorbus aucuparia	5	12-14

New Hedgerow Species Mix

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 3 m. Any gaps within existing hedgerows will also be planted using species selected from the mix identified in the following table.

Common Name	Latin Name	% Mix	Size of plants when planted (cm)
Hazel	Corylus avellana	5	40-60
Hawthorn	Crataegus monogyna	60	40-60
Holly	Ilex aquifolium	10	40-60
Honeysuckle	Lonicera periclymenum	5	40-60
Blackthorn	Prunus spinosa	5	40-60
Field Rose	Rosa arvensis	5	40-60
Dog Rose	Rosa canina agg	5	40-60
Guelder-rose	Viburnum opulus	5	40-60