

Figure LMP1.1 - Typical section of proposed inter-planting and under-planting of existing hedgerows within and around the site

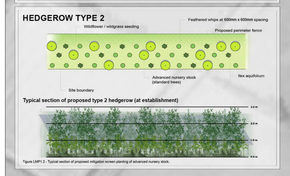


Figure LMP1.2 - Typical section of proposed mitigation screen planting of advanced nursery stock.

Proposed hedgerow type 2 comprising a native whip planting mix and advanced nursery stock. Hedgerow managed at a height of 3-4m

Proposed native woodland thicket comprising native whips and advanced nursery stock. Woodland mix allowed grow out to reach maturity (c. 8-10m high)

0m 75m 150m

LEGEND:

- Hedgerow Type 1
- Hedgerow Type 2
- Field margins/ grass seeding
- Native woodland planting
- Advanced nursery stock
- Proposed fence
- Existing hedgerows
- Site boundary

NOTES:

The function of the proposed mitigation planting is to support screening and to enhance biodiversity across the site. The new and bolstered sections of hedgerow vegetation, proposed woodland mix and wild grass verges will all reinforce the existing green infrastructure links and provide new ecological corridors within the site and throughout the wider landscape.

Mitigation screen planting shall consist of a mixture of native hedgerow species that are prevalent in the immediate area. Planting to consist of feathered whips (of various sizes) in staggered rows at a spacing of 600mm.

'Under-planting' to consist of a single row of whips to the development side of existing tree lines and hedgerows.

'Inter-planting' to consist of whips at 400mm centres to fill gaps in existing tree lines and hedgerows.

New sections of hedgerow to consist of a triple staggered row of whips and advanced nursery stock at 600mm spacing.

All native species will be planted as whips, with the primary and secondary structure species to be of a minimum height of 90cm and the other shrubs species to be of a minimum height of 60cm.

Proposed mitigation screen planting to be planted as per diagram LMP1.1-1.2 and maintained at a height of approximately 3-4m unless otherwise specified. Hedgerow type 1 to be planted as necessary for gap filling and bolstering.

Proposed mitigation to be planted in the first growing season prior to commencement of development. Hedgerows should reach full establishment (3-4 meters) within 2-3 years of planting.

Native grass seeding of local provenance to occupy any residual space between perimeter fence and nearest line of whip planting. Field margins to be managed inline with the BRIDE project management techniques.

Species mix to be finalised in conjunction with the project ecologist.

*Advanced nursery stock to be provided as Crateagus monogyna (Hawthorn) at 8-10cm girth (c. 3m) bare root standard trees.

NATIVE HEDGEROW SPECIES:

Botanical name	Common name	Size	%
Primary structure;			
Crataegus monogyna	Hawthorn	90-120cm / 8-10cm girth 3m br standard trees	60%
Secondary structure;			
Prunus spinosa	Blackthorn	90-120cm	15%
Ilex aquifolium	Holly	90-120cm	15%
Shrub species structure;			
Viburnum opulus	Guelder Rose	60-90cm	2.5%
Corylus avellana	Hazel	60-90cm	2.5%
Rosa canina	Dog-rose	60-90cm	2.5%
Euonymus europaeus	Spindle	60-90cm	2.5%

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PROJECT: Cappakeel Solar Farm, County Laois

CLIENT: Cappakeel Solar Farm

DRAWING: Landscape Mitigation Plan - Sheet 1

SCALE: 1:3000

DATE: August 2026

DWN BY: RAH

CKD BY: CD

SHEET SIZE: A1 (landscape)

DWG No. LD.CPPKL 3.1