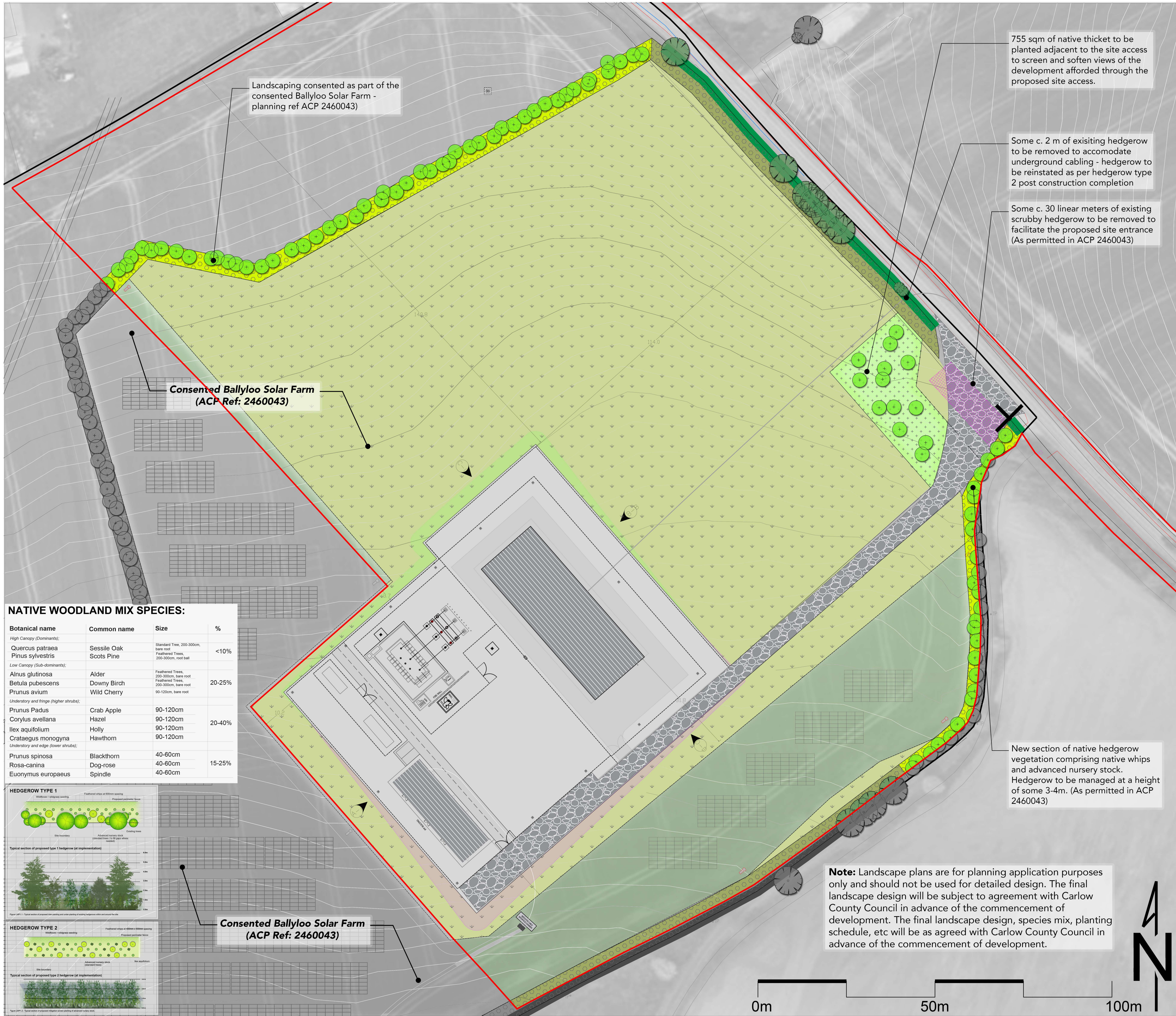
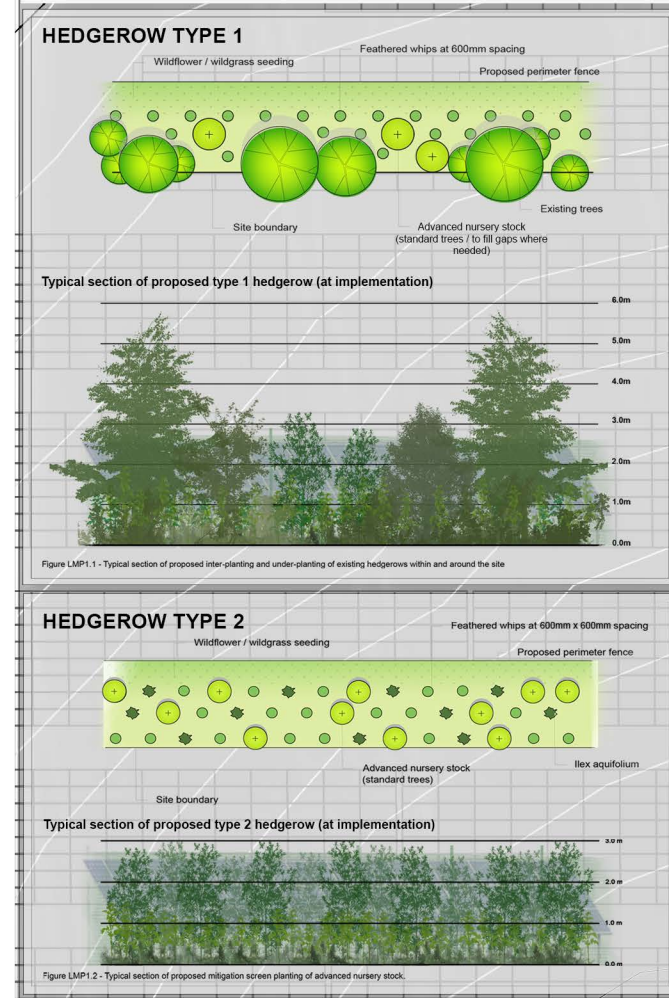




NATIVE WOODLAND MIX SPECIES:

Botanical name	Common name	Size	%
<i>High Canopy (Dominants);</i>			
Quercus patraea	Sessile Oak	Standard Tree, 200-300cm, bare root	<10%
Pinus sylvestris	Scots Pine	Feathered Trees, 200-300cm, root ball	
<i>Low Canopy (Sub-dominants);</i>			
Alnus glutinosa	Alder	Feathered Trees, 200-300cm, bare root	20-25%
Betula pubescens	Downy Birch	Feathered Trees, 200-300cm, bare root	
Prunus avium	Wild Cherry	90-120cm, bare root	
<i>Understory and fringe (higher shrubs);</i>			
Prunus Padus	Crab Apple	90-120cm	20-40%
Corylus avellana	Hazel	90-120cm	
Ilex aquifolium	Holly	90-120cm	
Crataegus monogyna	Hawthorn	90-120cm	
<i>Understory and edge (lower shrubs);</i>			
Prunus spinosa	Blackthorn	40-60cm	15-25%
Rosa-canina	Dog-rose	40-60cm	
Euonymus europaeus	Spindle	40-60cm	



LEGEND:

Hedgerow Type 1

Hedgerow Type 2

Field margins/ grass seeding

Native woodland thicket

Existing hedgerows

Proposed fence

Existing trees

Advanced nursery stock

Proposed Cut

Proposed Fill

Drain

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 Crataegus monogyna (Hawthorn) at 8-10cm girth (c. 3m) bare root standard trees.

NATIVE HEDGEROW SPECIES:

Botanical name	Common name	Size	%
<i>Primary structure;</i>			
Crataegus monogyna	Hawthorn	90-120cm / 8-10cm girth 3m br standard trees	60%
<i>Secondary structure;</i>			
Prunus spinosa	Blackthorn	90-120cm	15%
Ilex aquifolium	Holly	90-120cm	15%
<i>Shrub species structure;</i>			
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%

PROJECT:

Ballyloo SID Substation RFI, County Carlow

CLIENT:

Ballyloo Solar Farm Limited

DRAWING:

Landscape Mitigation Plan - 220kV GIS

SCALE:

1:500

DATE:

August 2026

DWN BY:

CD

CKD BY:

RB

SHEET SIZE:

A1 (landscape)

DWG No.

LD.BLLYLOO-SID_RFI 3.3

Ground Floor, Hibernia House
Cherrywood Business Park
Loughlinstown, Dublin 18
Ireland
00353 (01) 2303585
info@macroworks.ie

Note: Landscape plans are for planning application purposes only and should not be used for detailed design. The final landscape design will be subject to agreement with Carlow County Council in advance of the commencement of development. The final landscape design, species mix, planting schedule, etc will be as agreed with Carlow County Council in advance of the commencement of development.