

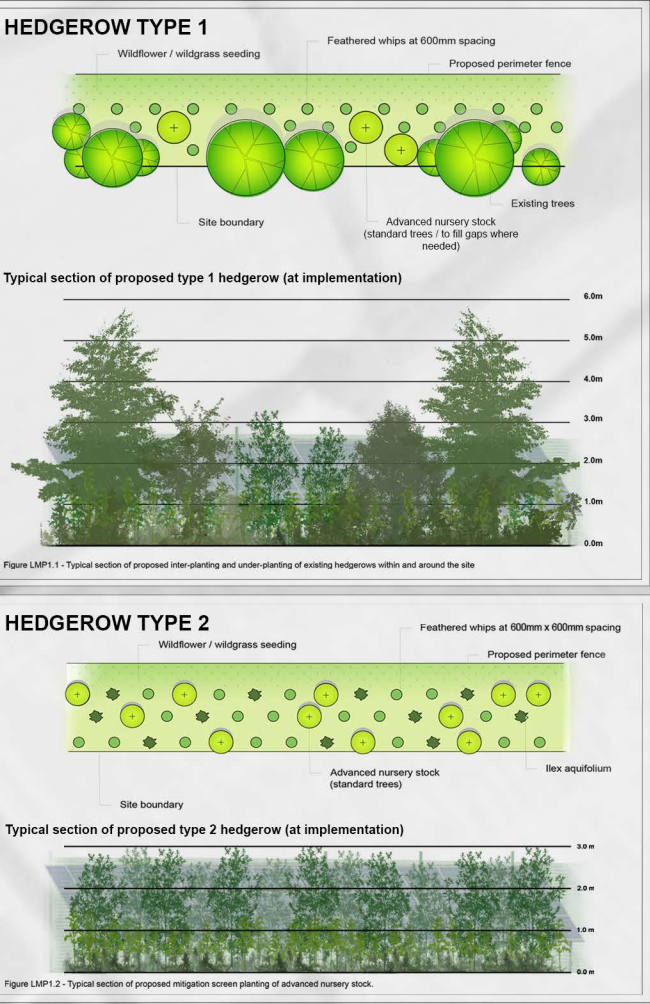


NATIVE HEDGEROW SPECIES:

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%

NATIVE WOODLAND MIX SPECIES:

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



LEGEND:

- Hedgerow Type 1 - Hedgerow Enhancement
- Hedgerow Type 2 - New Hedgerow
- Hedgerow Removal
- Proposed Native Woodland
- Field margins/ species rich grassland
- 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 hedgerow 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. All existing trees within existing hedgerow corridors to be retained and allowed grow out.

Native woodland mix to consist of native woodland species prevalent in the surrounding area. Proposed woodland planting can be separated into four groups ranging from larger to smaller species.

High canopy, also known as dominants will make up <10% of the total planting mix and will comprise of a max of Pendunculate Oak (Quercus robur) and Scots Pine (Pinus sylvestris). Low Canopy also known as sub-dominants will total 20-25% of the proposed woodland planting mix and will consist of a mix of Alder (Alnus glutinosa), Downy Birch (Betula pubescens) and Wild Cherry (Prunus avium). Understory and Fringe also known as higher shrubs will make up 20-40% of the total woodland planting mix and will comprise of Crab Apple (Prunus Padus), Hawthorn (Crataegus monogyna), Hazel (Corylus avellana) and Holly (Ilex aquifolium). Under story and Edge also known as lower shrubs will total 15-25% of the total woodland planting mix and comprise of Blackthorn (Prunus spinosa), Dog-rose (Rosa-canina) and Spindle (Euonymus europaeus).

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.

Species rich 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.



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PROJECT: Greenhills Solar Farm, County Cork	CLIENT: Orsted
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DRAWING: Landscape Mitigation Plan - Sheet 4	SCALE: 1:2000
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DATE: October 2025	DWN BY: CD	CKD BY: RB
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SHEET SIZE: A1 (landscape)	DWG No. LD.GRNHLLS 1.4
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