RIPARIAN WOODLAND MIX:

Botanical name	Common name	Size	%
Low Canopy (Sub-dominants);			
Alnus glutinosa	Alder	Feathered Trees, 200-300cm, bare root	25-30%
Betula pendula	Sliver Birch	Feathered Trees, 200-300cm, bare root	
Betula pubescens	Downy Birch	Feathered Trees, 200-300cm, bare root	
Salix spp.	Native Willow spp	Feathered Trees, 200-300cm, bare root	
Sorbus aucuparia	Rowan	Standard Trees, 200-300cm, bare root	
Understory and fringe (higher shrubs);			
Quercus petraea	Sessile oak	90-120cm	30-40%
Prunus padus	Crab apple	90-120cm	
Understory and edge (lower shrubs);			
Viburnum opulus	Guelder Rose	40-60cm	20-30%

NATIVE WOODLAND MIX:

High Canopy and Low Canopy species to be planted at 1.5m centres. Shrubs to be planted at 900m centres

Botanical name	Common name	Size	%
High/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	Feathered Trees, 200-300cm, bare root	
Salix alba	Willlow	Feathered Trees, 200-300cm, bare root	
Quercus petraea	Sessile Oak	Feathered Trees, 200-300cm, bare root	
Understory and fringe (higher shrubs);			
Prunus Padus	Bird Cherry	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	

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	10%
Malus sylvestris	Crab apple	90-120cm	5%
Shrub species structure;			2.5%
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%

Hedgerow to be removed to facilitate temporary track. Hedgerow to be reinstated post construction

c. 7 linear meters of hedgerow removal to site facilitate access track

c. 247 linear meters of hedgerow removal to facilitate substation.

c. 9 linear meters of hedgerow removal to site facilitate access track

c. 9 linear meters of hedgerow removal to site facilitate access track

Temporary access track

Hedgerow to be removed to facilitate temporary track. Hedgerow to be reinstated post construction

c. 23 linear meters of hedgerow removal to facilitate site entrance.

Hedgerow to be removed to facilitate temporary track. Hedgerow to be reinstated post construction

Proposed riparian thicket to be planted along river corridor

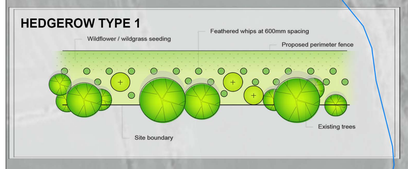
c. 9 linear meters of hedgerow removal to site facilitate access track

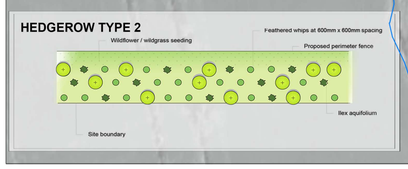
New section of hedgerow comprised of native whips. hedgerow managed at 3-4m

EMBANKMENT

EMBANKMENT

EMBANKMENT





0m 75m 150m

LEGEND:

- Existing Hedgerow bolstered (Type 1)
- Proposed hedgerow (Type 2)
- Wildflower Meadow
- Native woodland thicket
- Native Riparian Woodland
- Hedgerow Removed
- Hedgerow Removed and Reinstated
- Proposed fencline
- Overhead electrical infrastructure
- Site access tracks
- Indicative Future Agricultural Gateway
- Red line boundary

NOTES:

The function of the proposed mitigation planting is primarily for screening, but it will also enhance the ecological corridors that are already present within the hedgerows.

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.

Proposed landscape figures:

- Hedgerow Type 1 - c. 2631 linear meters
- Hedgerow Type 2- c. 707 linear meters
- Native Woodland thicket- c. 559 sqm
- Native Riparian thicket- c. 2204 sqm
- Hedgerow Removal- c. 304 linear meters

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 thicket/woodland mix will consist of high canopy (dominant) species, low canopy (sub-dominant) species, understory and fringe (higher shrubs) species, and understory and edge (lower shrub) species. They will comprise a mix of advanced nursery stock and whip planting of local provenance.

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

*Note that the proposed mitigation planting reflects the planting strategy proposed as part of the in-planning East Limerick Solar Farm development. However, it should be noted that for consent for the mitigation proposals surrounding the substation development is also being sought as part of the SID application.

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PROJECT: East Limerick SID Application , County Limerick	**CLIENT:** Gravis Planning
DRAWING: Landscape Mitigation Plan	**SCALE:** 1:1500
DATE: September 2026	**DWN BY:** RAH / **CKD BY:** PC
SHEET SIZE: A1 (landscape)	**DWG No.** LD.EAST-LMRCK-SID 1.1