

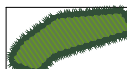



NATIVE HEDGEROW SPECIES :			
Botanical name	Common name	Size	%
Primary structure;			
<i>Crataegus monogyna</i>	Hawthorn	80-100cm / 10-12cm girth 3m br standard trees	60%
Secondary structure;			
<i>Prunus spinosa</i>	Blackthorn	80-100cm	15%
<i>Ilex aquifolium</i>	Holly	80-100cm	15%
Shrub species structure;			
<i>Salix cinerea</i>	Grey willow	40-60cm	2.5%
<i>Viburnum opulus</i>	Gelder rose	40-60cm	2.5%
<i>Rosa canina</i>	Dog-rose	40-60cm	2.5%
<i>Lonicera periclymenum</i>	Honeysuckle	40-60cm	2.5%

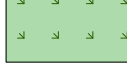
NATIVE WOODLAND MIX (906sqm):			
Botanical name	Common name	Size	%
High Canopy (Dominants):			
<i>Quercus robur</i>	Pendunculate Oak	Standard Tree, 10-12cmg, B	<20%
<i>Quercus petraea</i>	Sessile Oak	Standard Tree, 10-12cmg, B	
<i>Pinus sylvestris</i>	Scots Pine	Standard Tree, 250-300cm, RB	
Low Canopy (Sub-dominants):			
<i>Alnus glutinosa</i>	Alder	90-120cm	20-25%
<i>Betula pubescens</i>	Downy Birch	90-120cm	
<i>Prunus avium</i>	Wild Cherry	90-120cm	
Understory and fringe (higher shrubs):			
<i>Prunus Padus</i>	Bird Cherry	60-90cm	20-40%
<i>Corylus avellana</i>	Hazel	60-90cm	
<i>Ilex aquifolium</i>	Holly	60-90cm	
<i>Crataegus monogyna</i>	Hawthorn	60-90cm	
<i>Salix caprea</i>	Goat Willow	60-90cm	
<i>Salix purpurea</i>	Purple Willow	60-90cm	
Understory and edge (lower shrubs):			
<i>Prunus spinosa</i>	Blackthorn	40-60cm	15-25%
<i>Rosa-canina</i>	Dog-rose	40-60cm	
<i>Euonymus europaeus</i>	Spindle	40-60cm	
<i>Salix aurita</i>	Eared Willow	40-60cm	
<i>Rubus fruticosus</i>	Bramble	40-60cm	

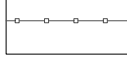



Legend:


EXISTING HEDGEROW BOLSTERED (TYPE 1)

PROPOSED HEDGEROW (TYPE 2)

GRASSLAND/MEADOW MANAGEMENT

PROPOSED FENCE LINE

PROPOSED WOODLAND

SITE BOUNDARY

**Notes:**

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

It is imperative to use native Irish species in so far as possible as they are adapted to Irish conditions and therefore more likely to thrive compared to imported stock. Selected species should also represent woodland and hedgerows in the surrounding environs although non-native species are not to be used, unless otherwise agreed with the Planning Authority.

All plants supplied shall be exactly true to name as shown in the plant schedules. Varieties with variegated and/or coloured leaves will not be accepted, and any plant found to be of this type upon leafing-out shall be replaced by the contractor. Bundles of plants shall be marked in conformity with BS3936: Part 1: 1965 and BS3936: part 4: 1966. The nursery supplier shall replace any plants which, on leafing out, are found not to conform to the labels.

**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) and advanced nursery stock (where necessary) in staggered rows at a spacing of 600mm.

All native species will be planted as whips, with the primary and secondary structure species to be of a minimum height of 80-100cm and the other shrub species to be of a minimum height of 40-60cm.

New sections of hedgerow to be planted and bolstered as per diagram LMP1.2 and maintained at a height of 3-4m unless otherwise specified.

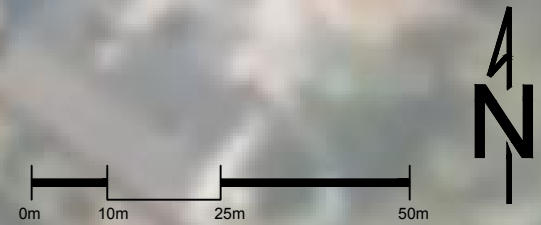
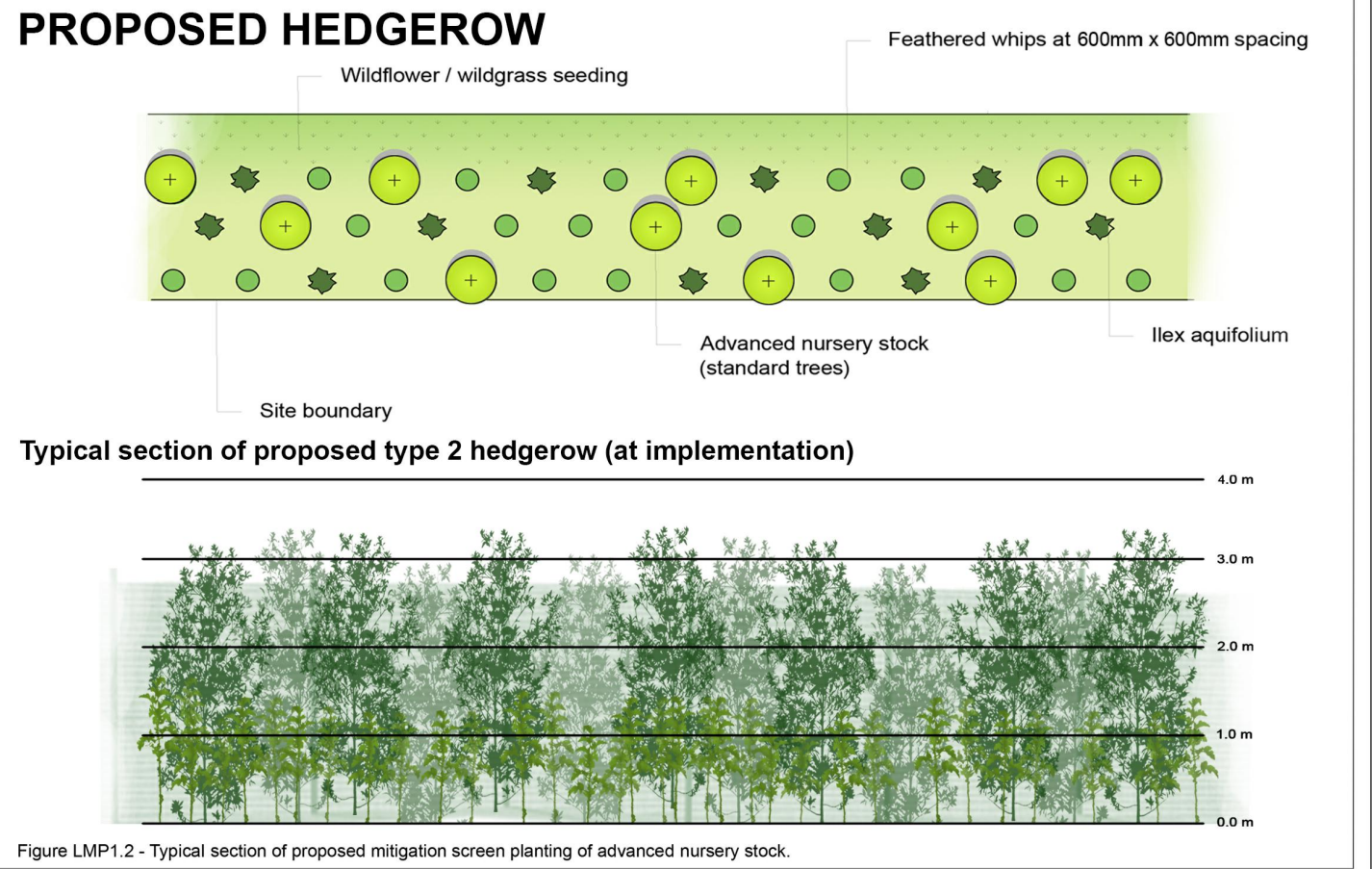
**Field Margins/Grassland Management**

Field margins to be planted and/or managed in accordance with the BRIDE project EIP techniques. A minimum width of 2m from the base of the hedgerow is recommended. It will be important to flail these margins every year during the period of September 15th to February 28th. A full management regime in accordance with best practice will be adhered to, ensuring that the species will thrive through natural regeneration. Field margin management techniques and wildflowers have been shown to increase biodiversity on substations, with numbers of pollinators clearly benefiting from these food sources and an increased presence of other animals in these margins being evident as well when compared to improved grassland margins managed more intensely.

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

**Landscape Figures**

Existing Hedgerow Bolstered (Type 1) - 359 linear meters  
Proposed Hedgerow (Type 2) - 188 linear meters  
Proposed Woodland Mix- 759 sqm



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Prepared for:  
**ESB Major Projects**

Site location:

COUNTY MEATH

Drawing Title:  
**LANDSCAPE MITIGATION PLAN**

Project:  
**FOSTERSTOWN DISTRIBUTION SUBSTATION**

Drawn by:  
RAH

Checked by:  
RC

Drawing Ref:  
**LD.FSTRSTWN-SBST 1.0**

Scale:  
1:500@ A1

Date:  
JUL Y 2024

**DRAFT**