

Existing hedgerows to be bolstered - Type 1

**NATIVE HEDGEROW SPECIES:**

Botanical name	Common name	Size	%
<i>Primary structure:</i>			
<i>Crateagus monogyna</i>	Hawthorn	1+2tr 80-100cm	60%
<i>Secondary structure:</i>			
<i>Prunus spinosa</i>	Blackthorn	1+2tr 80-100cm	15%
<i>Ilex aquifolium</i>	Holly	1+2tr 80-100cm	15%
<i>Shrub species structure:</i>			
<i>Rubus fruticosus</i>	Bramble	1+1tr 40-60cm	2.5%
<i>Corylus avellana</i>	Hazel	1+1tr 40-60cm	2.5%
<i>Rosa canina</i>	Dog-rose	1+1tr 40-60cm	2.5%
<i>Euonymus europaeus</i>	Spindle	1+1tr 40-60cm	2.5%

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 adjacent 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 600mm centres to fill gaps in existing tree lines and hedgerows.

New sections of hedgerow to consist of a double staggered row of whips 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 80-100cm and the other shrubs species to be of a minimum height of 40-60cm.

Proposed mitigation screen planting to be planted as per diagram LMP Figure 1.1 + 1.2 and maintained at a height of 3-4m.

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

All species will be from certified native stock and preferably from an approved supplier of the Green, Low-Carbon, Agri-Environment Scheme (GLAS).

**NOTES:**

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL LEVELS ARE IN METRES AND RELATE TO ORDINANCE DATUM.  
DO NOT SCALE FROM ANY DRAWING. WORK TO FIGURED DIMENSIONS ONLY. ANY DISCREPANCIES IN DIMENSION ARE TO BE REFERRED TO THE DESIGNER BEFORE WORK IS PUT TO HAND.  
ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING DRAWINGS OR COMMENCING ON SITE.  
ALL WORKS BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.  
ALL WORK IS TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF THE STATUTORY AUTHORITIES AND CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS.

**LEGEND:**

- Site Boundary
- Existing Vegetation to be Retained
- Proposed Grass and Wildflower Seeding
- Proposed New Hedgerow
- Proposed Access Track
- Natural Regeneration Area

**GRASS SEEDING**  
Coburns Irish Native Wildflower Mixture, or similar and approved. Sowing rate 5g per sq m or as per suppliers recommendations. Suggested supplier: James Coburn & Sons Ltd. or equal and approved

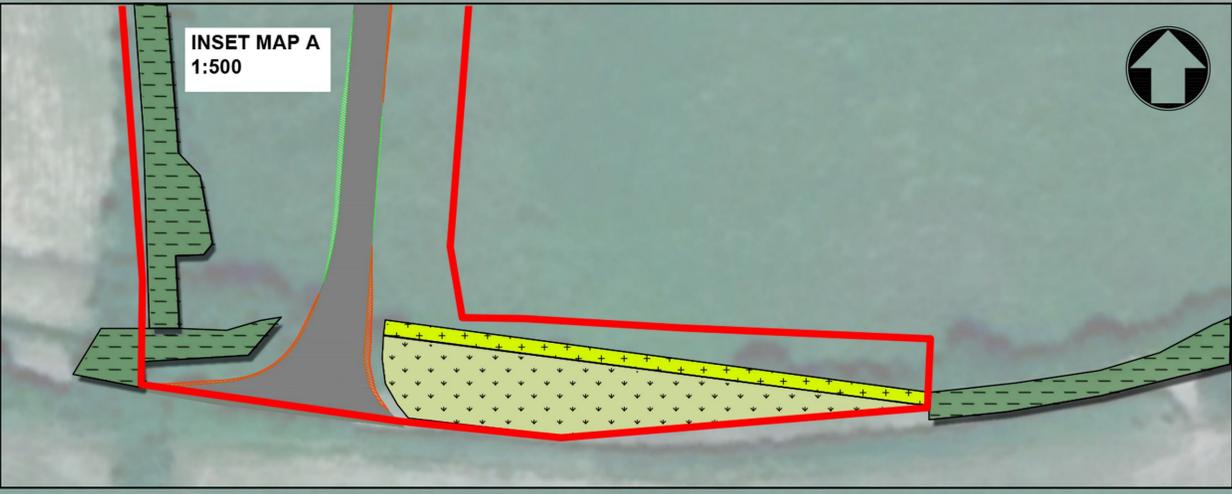
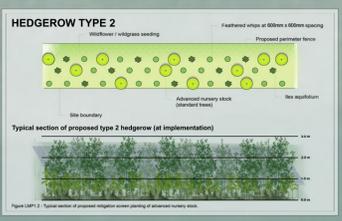
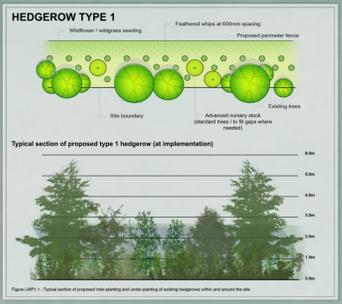
**PLANTING WORKS**

- Existing topsoil to be removed from site (depth depending on site conditions) before construction works commence and stored elsewhere to standard methods. Topsoil to be re-used on site in future planting areas.
- All planting areas to be covered with 300mm topsoil. New high quality topsoil brought on site, if required, should fulfil the following standards: Texture: medium, Soil Reaction: 6.0 to 7.5pH, reasonably free of stones, maximum size of stones in any one direction: 50mm, free of weed seeds, roots of perennial weeds, sticks, subsoil, large stones, clay and foreign matter, good crumb structure, from an approved source, fertile with a humus and fibre content or equal and approved.
- All proposed plant species which are native are to be of Irish provenance.
- All planting to be carried out as described above, and as per Soft Landscape Specification (to be prepared at construction stage).
- All new planting to be maintained by a qualified landscape contractor for a minimum of 18 months in order to maximise the chances of survival and undergo on-going monitoring for a further 42 months.

**CLIENT:**  
 Galetech Energy Services

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

<b>PROJECT:</b> Pinewoods Substation SID		
<b>CLIENT:</b> Galetech Energy Services		
<b>DRAWING:</b> Landscape Masterplan	<b>SCALE:</b> 1:500	
<b>DATE:</b> 12-07-2020	<b>DWN BY:</b> RC	<b>CKD BY:</b> CD
<b>SHEET SIZE:</b> A1 (Landscape)	<b>DWG No.</b> PNWDS-LMP-P01	



**DRAWING CONTINUES ON INSET MAP A**