



APPENDIX 27-1

LANDSCAPE MANAGEMENT PLAN

NATIVE HEDGEROW SPECIES:

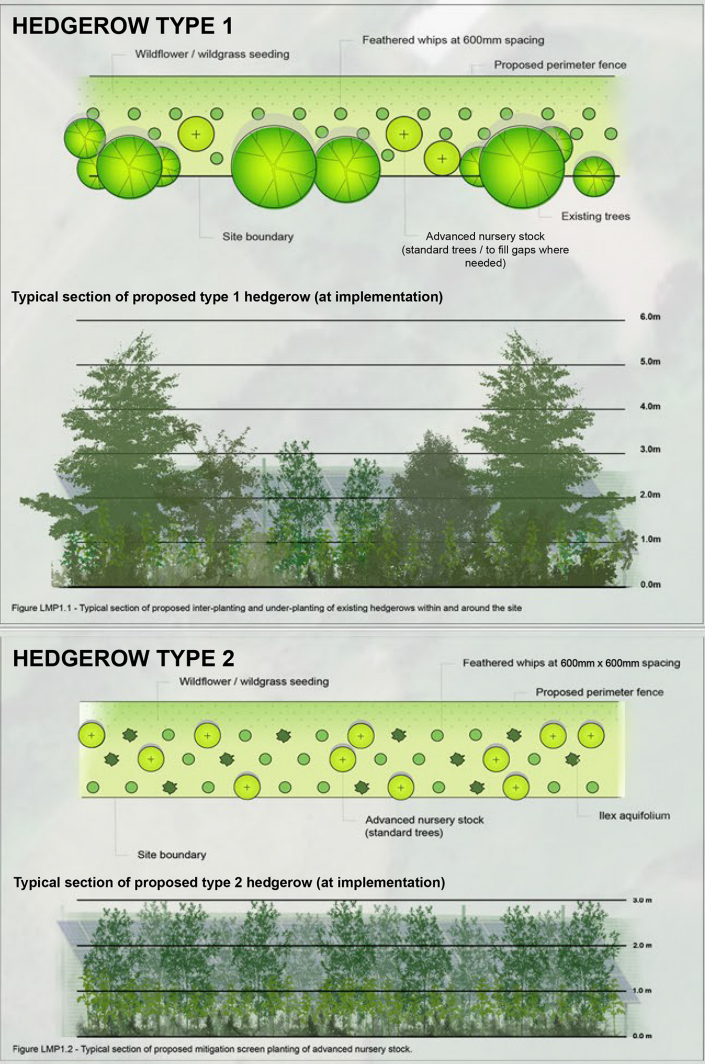
Botanical name	Common name	Size	%
Primary structure;			
Crataegus monogyna	Hawthorn	90-120cm / 8-10cm girth 3m br standard trees	60%
Secondary structure;			
Prunus spinosa	Blackthorn	90-120cm	15%
Ilex aquifolium	Holly	90-120cm	15%
Shrub species structure;			
Viburnum opulus	Guelder Rose	60-90cm	2.5%
Corylus avellana	Hazel	60-90cm	2.5%
Rosa canina	Dog-rose	60-90cm	2.5%
Euonymus europaeus	Spindle	60-90cm	2.5%

WOODLAND MIX:

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	

NOTE: A total of 1278LM of hedgerows are proposed with a total of 340LM to be removed.

TYPE 1: 870LM Existing hedgerows to be retained and bolstered
TYPE 2: 408LM New Hedgerows



Existing hedgerow to be removed
TOTAL LOSS:340LM

Cable Route

Native woodland planting mix to occupy the proposed engineered embankments that surround the site. Woodland mix to comprise native whips and advanced stock and allowed to grow out to reach maturity.
TOTAL:4431m2
NOTE: A 5m minimum clearance of the cable route is required for woodland species

Native woodland planting mix to occupy the proposed engineered embankments that surround the site. Wood-land mix to comprise native whips and advanced stock and allowed to grow out to reach maturity.
TOTAL:4030M2
NOTE: A 5m minimum clearance of the cable route is required for woodland species

Existing hedgerows along the boundary of the site to be retained and protected. Where any gaps are present, existing hedgerows are to be bolstered as per hedgerow type 1 with a native whip planting mix.
165LM

Excess spoil to be seeded with species diverse grass-land

Proposed hedgerows within the excess spoil to be planted with species as per hedgerow type 2 with a native whip planting mix.
406LM

Cable Route

Existing hedgerows along the boundary of the site to be retained and protected. Where any gaps are present, existing hedgerows are to be bolstered as per hedgerow type 1 with a native whip planting mix.
TOTAL: 705LM

LEGEND:

- Hedgerow Type 1
- Hedgerow Type 2
- Proposed woodland mix
- Proposed fence
- Field Margin

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 and advanced nursery stock at 600mm spacing.

Proposed vegetation quantities:

Hedgerow Type 1 - c. 866 linear meters
Hedgerow Type 2 - c. 406 linear meters
Proposed Woodland Mix - 8461m2

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.
*Advanced nursery stock to be provided as Crataegus monogyna (Hawthorn) at 8-10cm girth (c. 3m) bare root standard trees.

Field Margin will occupy any residual space between the perimeter fence and nearest line of whip planting. Mix to consist of species diverse grasslands.

When this is implemented the top soil of the construction area will be stripped and stored within a bunded area in the site and covered in a tarp or other material and left in-situ until construction is complete. Once the designated areas has been leveled and prepared for landscaping, the topsoil will spread in this area to ensure the species composition is of local provenance. In addition, yellow rattle (Rhinanthus minor) seed can also be sown into the area as this species Parasitises Grasses, aiding in the establishment of native broad leave species. Seeds should be acquired from as close to the subject site as possible Note there will be no application of fertilizer or other chemicals into this area.

After two growing seasons once landscaping has been complete, these areas will be cut for hay, mown (with the removal of cuttings) or grazed annually. This will be undertaken yearly in August/September to remove the sward from the site. These areas will be left fallow and livestock free for the rest of the year. Should scrub or invasive species begin to establish in this area, these will be removed, as per the relevant guidance for each.



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

PROJECT:

Sceirde Rocks Onshore Substation,
County Clare

CLIENT:

Corio

DRAWING:

Landscape Mitigation Plan

SCALE:

1:1000

DATE:

October 2024

DWN BY:

BM

CKD BY:

RB

SHEET SIZE:

A1 (landscape)

DWG No.

LD_SCRD-CMPND